COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

IN THE MATTER OF THE ADJUSTMENT
OF ELECTRIC RATES OF DUKE ENERGY KENTUCKY, INC.

CASE NO. 2024-00354

FILING REQUIREMENTS

VOLUME 6

Duke Energy Kentucky, Inc.
Case No. 2024-00354
Forecasted Test Period Filing Requirements
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1	6	807 KAR 5:001 Section 14(3)	If a limited liability company, the applicant shall identify in the application the state in which it is organized and the date on which it was organized, attest that it is in good standing in the state in which it is organized, and, if it is not a Kentucky limited liability company, state if it is authorized to transact business in Kentucky.	Amy B. Spiller
1	7	807 KAR 5:001 Section 14(4)	If the applicant is a limited partnership, a certified copy of its limited partnership agreement and all amendments, if any, shall be annexed to the application, or a written statement attesting that its partnership agreement and all amendments have been filed with the commission in a prior proceeding and referencing the case number of the prior proceeding.	Amy B. Spiller
1	8	807 KAR 5:001 Section 16 (1)(b)(1)	Reason adjustment is required.	Amy B. Spiller Sarah E. Lawler
1	9	807 KAR 5:001 Section 16 (1)(b)(2)	Certified copy of certificate of assumed name required by KRS 365.015 or statement that certificate not necessary.	Amy B. Spiller
1	10	807 KAR 5:001 Section 16 (1)(b)(3)	New or revised tariff sheets, if applicable in a format that complies with 807 KAR 5:011 with an effective date not less than thirty (30) days from the date the application is filed	Bruce L. Sailers
1	11	807 KAR 5:001 Section 16 (1)(b)(4)	Proposed tariff changes shown by present and proposed tariffs in comparative form or by indicating additions in italics or by underscoring and striking over deletions in current tariff.	Bruce L. Sailers
1	12	807 KAR 5:001 Section 16 (1)(b)(5)	A statement that notice has been given in compliance with Section 17 of this administrative regulation with a copy of the notice.	Amy B. Spiller
1	13	807 KAR 5:001 Section 16(2)	If gross annual revenues exceed $5,000,000, written notice of intent filed at least 30 days, but not more than 60 days prior to application. Notice shall state whether application will be supported by historical or fully forecasted test period.	Amy B. Spiller
1	14	807 KAR 5:001 Section 16(3)	Notice given pursuant to Section 17 of this administrative regulation shall satisfy the requirements of 807 KAR 5:051, Section 2.	Amy B. Spiller
1	15	807 KAR 5:001 Section 16(6)(a)	The financial data for the forecasted period shall be presented in the form of pro forma adjustments to the base period.	Grady "Tripp" S. Carpenter
1	16	807 KAR 5:001 Section 16(6)(b)	Forecasted adjustments shall be limited to the twelve (12) months immediately following the suspension period.	Lisa D. Steinkuhl Grady "Tripp" S. Carpenter Sharif S. Mitchell Jacob S. Colley
1	17	807 KAR 5:001 Section 16(6)(c)	Capitalization and net investment rate base shall be based on a thirteen (13) month average for the forecasted period.	Lisa D. Steinkuhl
1	18	807 KAR 5:001 Section 16(6)(d)	After an application based on a forecasted test period is filed, there shall be no revisions to the forecast, except for the correction of mathematical errors, unless the revisions reflect statutory or regulatory enactments that could not, with reasonable diligence, have been included in the forecast on the date it was filed. There shall be no revisions filed within thirty (30) days of a scheduled hearing on the rate application.	Grady "Tripp" S. Carpenter

1	19	807 KAR 5:001 Section 16(6)(e)	The commission may require the utility to prepare an alternative forecast based on a reasonable number of changes in the variables, assumptions, and other factors used as the basis for the utility's forecast.	Grady "Tripp" S. Carpenter
1	20	807 KAR 5:001 Section 16(6)(f)	The utility shall provide a reconciliation of the rate base and capital used to determine its revenue requirements.	Lisa D. Steinkuhl
1	21	807 KAR 5:001 Section 16(7)(a)	Prepared testimony of each witness supporting its application including testimony from chief officer in charge of Kentucky operations on the existing programs to achieve improvements in efficiency and productivity, including an explanation of the purpose of the program.	All Witnesses
1	22	807 KAR 5:001 Section 16(7)(b)	Most recent capital construction budget containing at minimum 3 year forecast of construction expenditures.	Grady "Tripp" S. Carpenter William C. Luke Marc W. Arnold
1	23	807 KAR 5:001 Section 16(7)(c)	Complete description, which may be in prefiled testimony form, of all factors used to prepare forecast period. All econometric models, variables, assumptions, escalation factors, contingency provisions, and changes in activity levels shall be quantified, explained, and properly supported.	Grady "Tripp" S. Carpenter
1	24	807 KAR 5:001 Section 16(7)(d)	Annual and monthly budget for the 12 months preceding filing date, base period and forecasted period.	Grady "Tripp" S. Carpenter
1	25	807 KAR 5:001 Section 16(7)(e)	Attestation signed by utility's chief officer in charge of Kentucky operations providing: 1. That forecast is reasonable, reliable, made in good faith and that all basic assumptions used have been identified and justified; and 2. That forecast contains same assumptions and methodologies used in forecast prepared for use by management, or an identification and explanation for any differences; and 3. That productivity and efficiency gains are included in the forecast.	Amy B. Spiller
1	26	807 KAR 5:001 Section 16(7)(f)	For each major construction project constituting 5% or more of annual construction budget within 3 year forecast, following information shall be filed: 1. Date project began or estimated starting date; 2. Estimated completion date; 3. Total estimated cost of construction by year exclusive and inclusive of Allowance for Funds Used During construction ("AFUDC") or Interest During construction Credit; and 4. Most recent available total costs incurred exclusive and inclusive of AFUDC or Interest During Construction Credit.	Grady "Tripp" S. Carpenter William C. Luke Marc W. Arnold
1	27	807 KAR 5:001 Section 16(7)(g)	For all construction projects constituting less than 5% of annual construction budget within 3 year forecast, file aggregate of information requested in paragraph (f) 3 and 4 of this subsection.	Grady "Tripp" S. Carpenter William C. Luke Marc W. Arnold

1	28	807 KAR 5:001 Section 16(7)(h)	Financial forecast for each of 3 forecasted years included in capital construction budget supported by underlying assumptions made in projecting results of operations and including the following information: 1. Operating income statement (exclusive of dividends per share or earnings per share); 2. Balance sheet; 3. Statement of cash flows; 4. Revenue requirements necessary to support the forecasted rate of return; 5. Load forecast including energy and demand (electric); 6. Access line forecast (telephone); 7. Mix of generation (electric); 8. Mix of gas supply (gas); 9. Employee level; 10.Labor cost changes; 11.Capital structure requirements; 12.Rate base; 13.Gallons of water projected to be sold (water); 14.Customer forecast (gas, water); 15.MCF sales forecasts (gas); 16.Toll and access forecast of number of calls and number of minutes (telephone); and 17.A detailed explanation of any other information provided.	Grady "Tripp" S. Carpenter John D. Swez Ibrar A. Khera
1	29	807 KAR 5:001 Section 16(7)(i)	Most recent FERC or FCC audit reports.	Danielle L. Weatherston
1	30	807 KAR 5:001 Section 16(7)(j)	Prospectuses of most recent stock or bond offerings.	Thomas J. Heath, Jr.
1	31	807 KAR 5:001 Section 16(7)(k)	Most recent FERC Form 1 (electric), FERC Form 2 (gas), or PSC Form T (telephone).	Danielle L. Weatherston
2	32	807 KAR 5:001 Section 16(7)(l)	Annual report to shareholders or members and statistical supplements for the most recent 2 years prior to application filing date.	Thomas J. Heath, Jr.
3	33	807 KAR 5:001 Section 16(7)(m)	Current chart of accounts if more detailed than Uniform System of Accounts charts.	Danielle L. Weatherston
3	34	807 KAR 5:001 Section 16(7)(n)	Latest 12 months of the monthly managerial reports providing financial results of operations in comparison to forecast.	Danielle L. Weatherston
3	35	807 KAR 5:001 Section 16(7)(o)	Complete monthly budget variance reports, with narrative explanations, for the 12 months prior to base period, each month of base period, and subsequent months, as available.	Danielle L. Weatherston Grady "Tripp" S. Carpenter
3-9	36	807 KAR 5:001 Section 16(7)(p)	SEC's annual report for most recent 2 years, Form 10-Ks and any Form 8-Ks issued during prior 2 years and any Form 10-Qs issued during past 6 quarters.	Danielle L. Weatherston
9	37	807 KAR 5:001 Section 16(7)(q)	Independent auditor's annual opinion report, with any written communication which indicates the existence of a material weakness in internal controls.	Danielle L. Weatherston
9	38	807 KAR 5:001 Section 16(7)(r)	Quarterly reports to the stockholders for the most recent 5 quarters.	Thomas J. Heath, Jr.

9	39	807 KAR 5:001 Section 16(7)(s)	Summary of latest depreciation study with schedules itemized by major plant accounts, except that telecommunications utilities adopting PSC's average depreciation rates shall identify current and base period depreciation rates used by major plant accounts. If information has been filed in another PSC case, refer to that case's number and style.	John J. Spanos
9	40	807 KAR 5:001 Section 16(7)(t)	List all commercial or in-house computer software, programs, and models used to develop schedules and work papers associated with application. Include each software, program, or model; its use; identify the supplier of each; briefly describe software, program, or model; specifications for computer hardware and operating system required to run program	Lisa D. Steinkuhl
9	41	807 KAR 5:001 Section 16(7)(u)	If utility had any amounts charged or allocated to it by affiliate or general or home office or paid any monies to affiliate or general or home office during the base period or during previous 3 calendar years, file: 1. Detailed description of method of calculation and amounts allocated or charged to utility by affiliate or general or home office for each allocation or payment; 2. method and amounts allocated during base period and method and estimated amounts to be allocated during forecasted test period; 3. Explain how allocator for both base and forecasted test period was determined; and 4. All facts relied upon, including other regulatory approval, to demonstrate that each amount charged, allocated or paid during base period is reasonable.	Rebekah E. Buck
10	42	807 KAR 5:001 Section 16(7)(v)	If gas, electric or water utility with annual gross revenues greater than $5,000,000, cost of service study based on methodology generally accepted in industry and based on current and reliable data from single time period.	James E. Ziolkowski
10	43	807 KAR 5:001 Section 16(7)(w)	Local exchange carriers with fewer than 50,000 access lines need not file cost of service studies, except as specifically directed by PSC. Local exchange carriers with more than 50,000 access lines shall file: 1. Jurisdictional separations study consistent with Part 36 of the FCC's rules and regulations; and 2. Service specific cost studies supporting pricing of services generating annual revenue greater than $1,000,000 except local exchange access: a. Based on current and reliable data from single time period; and b. Using generally recognized fully allocated, embedded, or incremental cost principles.	N/A
10	44	807 KAR 5:001 Section 16(8)(a)	Jurisdictional financial summary for both base and forecasted periods detailing how utility derived amount of requested revenue increase.	Lisa D. Steinkuhl

10	45	807 KAR 5:001 Section 16(8)(b)	Jurisdictional rate base summary for both base and forecasted periods with supporting schedules which include detailed analyses of each component of the rate base.	Lisa D. Steinkuhl Sharif S. Mitchell Grady "Tripp" S. Carpenter John R. Panizza James E. Ziolkowski Danielle L. Weatherston
10	46	807 KAR 5:001 Section 16(8)(c)	Jurisdictional operating income summary for both base and forecasted periods with supporting schedules which provide breakdowns by major account group and by individual account.	Lisa D. Steinkuhl
10	47	807 KAR 5:001 Section 16(8)(d)	Summary of jurisdictional adjustments to operating income by major account with supporting schedules for individual adjustments and jurisdictional factors.	Lisa D. Steinkuhl Sharif S. Mitchell Grady "Tripp" S. Carpenter Jacob S. Colley James E. Ziolkowski
10	48	807 KAR 5:001 Section 16(8)(e)	Jurisdictional federal and state income tax summary for both base and forecasted periods with all supporting schedules of the various components of jurisdictional income taxes.	John R. Panizza
10	49	807 KAR 5:001 Section 16(8)(f)	Summary schedules for both base and forecasted periods (utility may also provide summary segregating items it proposes to recover in rates) of organization membership dues; initiation fees; expenditures for country club; charitable contributions; marketing, sales, and advertising; professional services; civic and political activities; employee parties and outings; employee gifts; and rate cases.	Lisa D. Steinkuhl
10	50	807 KAR 5:001 Section 16(8)(g)	Analyses of payroll costs including schedules for wages and salaries, employee benefits, payroll taxes, straight time and overtime hours, and executive compensation by title.	Lisa D. Steinkuhl Shannon A. Caldwell
10	51	807 KAR 5:001 Section 16(8)(h)	Computation of gross revenue conversion factor for forecasted period.	Lisa D. Steinkuhl
10	52	807 KAR 5:001 Section 16(8)(i)	Comparative income statements (exclusive of dividends per share or earnings per share), revenue statistics and sales statistics for 5 calendar years prior to application filing date, base period, forecasted period, and 2 calendar years beyond forecast period.	Danielle L. Weatherston Grady "Tripp" S. Carpenter
10	53	807 KAR 5:001 Section 16(8)(j)	Cost of capital summary for both base and forecasted periods with supporting schedules providing details on each component of the capital structure.	Thomas J. Heath, Jr.
10	54	807 KAR 5:001 Section 16(8)(k)	Comparative financial data and earnings measures for the 10 most recent calendar years, base period, and forecast period.	Sharif S. Mitchell Grady "Tripp" S. Carpenter Thomas J. Heath, Jr. Danielle L. Weatherston
10	55	807 KAR 5:001 Section 16(8)(l)	Narrative description and explanation of all proposed tariff changes.	Bruce L. Sailers
10	56	807 KAR 5:001 Section 16(8)(m)	Revenue summary for both base and forecasted periods with supporting schedules which provide detailed billing analyses for all customer classes.	Bruce L. Sailers
10	57	807 KAR 5:001 Section 16(8)(n)	Typical bill comparison under present and proposed rates for all customer classes.	Bruce L. Sailers
10	58	807 KAR 5:001 Section 16(9)	The commission shall notify the applicant of any deficiencies in the application within thirty (30) days of the application's submission. An application shall not be accepted for filing until the utility has cured all noted deficiencies.	Sarah E. Lawler

10	59	807 KAR 5:001 Section 16(10)	Request for waivers from the requirements of this section shall include the specific reasons for the request. The commission shall grant the request upon good cause shown by the utility.	Legal
10	60	807 KAR 5:001 Section (17)(1)	(1) Public postings. (a) A utility shall post at its place of business a copy of the notice no later than the date the application is submitted to the commission. (b) A utility that maintains a Web site shall, within five (5) business days of the date the application is submitted to the commission, post on its Web sites: 1. A copy of the public notice; and 2. A hyperlink to the location on the commission's Web site where the case documents are available. (c) The information required in paragraphs (a) and (b) of this subsection shall not be removed until the commission issues a final decision on the application.	Amy B. Spiller
10	61	807 KAR 5:001 Section 17(2)	(2) Customer Notice. (a) If a utility has twenty (20) or fewer customers, the utility shall mail a written notice to each customer no later than the date on which the application is submitted to the commission. (b) If a utility has more than twenty (20) customers, it shall provide notice by: 1. Including notice with customer bills mailed no later than the date the application is submitted to the commission; 2. Mailing a written notice to each customer no later than the date the application is submitted to the commission; 3. Publishing notice once a week for three (3) consecutive weeks in a prominent manner in a newspaper of general circulation in the utility's service area, the first publication to be made no later than the date the application is submitted to the commission; or 4. Publishing notice in a trade publication or newsletter delivered to all customers no later than the date the application is submitted to the commission. (c) A utility that provides service in more than one (1) county may use a combination of the notice methods listed in paragraph (b) of this subsection.	Amy B. Spiller

10	62	807 KAR 5:001 Section 17(3)	(3) Proof of Notice. A utility shall file with the commission no later than forty-five (45) days from the date the application was initially submitted to the commission: (a) If notice is mailed to its customers, an affidavit from an authorized representative of the utility verifying the contents of the notice, that notice was mailed to all customers, and the date of the mailing; (b) If notice is published in a newspaper of general circulation in the utility's service area, an affidavit from the publisher verifying the contents of the notice, that the notice was published, and the dates of the notice's publication; or (c) If notice is published in a trade publication or newsletter delivered to all customers, an affidavit from an authorized representative of the utility verifying the contents of the notice, the mailing of the trade publication or newsletter, that notice was included in the publication or newsletter, and the date of mailing.	Amy B. Spiller

10	63	807 KAR 5:001 Section 17(4)	(4) Notice Content. Each notice issued in accordance with this section shall contain: (a) The proposed effective date and the date the proposed rates are expected to be filed with the commission; (b) The present rates and proposed rates for each customer classification to which the proposed rates will apply; (c) The amount of the change requested in both dollar amounts and percentage change for each customer classification to which the proposed rates will apply; (d) The amount of the average usage and the effect upon the average bill for each customer classification to which the proposed rates will apply, except for local exchange companies, which shall include the effect upon the average bill for each customer classification for the proposed rate change in basic local service; (e) A statement that a person may examine this application at the offices of (utility name) located at (utility address); (f) A statement that a person may examine this application at the commission's offices located at 211 Sower Boulevard, Frankfort, Kentucky, Monday through Friday, 8:00 a.m. to 4:30 p.m., or through the commission's Web site at http://psc.ky.gov; (g) A statement that comments regarding the application may be submitted to the Public Service Commission through its Web site or by mail to Public Service Commission, Post Office Box 615, Frankfort, Kentucky 40602; (h) A statement that the rates contained in this notice are the rates proposed by (utility name) but that the Public Service Commission may order rates to be charged that differ from the proposed rates contained in this notice; (i) A statement that a person may submit a timely written request for intervention to the Public Service Commission, Post Office Box 615, Frankfort, Kentucky 40602, establishing the grounds for the request including the status and interest of the party; and (j) A statement that if the commission does not receive a written request for intervention within thirty (30) days of initial publication or mailing of the notice, the commission may take final action on the application.	Bruce L. Sailers
10	64	807 KAR 5:001 Section 17(5)	(5) Abbreviated form of notice. Upon written request, the commission may grant a utility permission to use an abbreviated form of published notice of the proposed rates, provided the notice includes a coupon that may be used to obtain all the required information.	N/A

11	-	807 KAR 5:001 Section 16(8)(a) through (k)	Schedule Book (Schedules A-K)	Various
12	-	807 KAR 5:001 Section 16(8)(l) through (n)	Schedule Book (Schedules L-N)	Bruce L. Sailers
13	-	-	Work Papers	Various
14	-	807 KAR 5:001 Section 16(7)(a)	Testimony (Volume 1 of 4)	Various
15	-	807 KAR 5:001 Section 16(7)(a)	Testimony (Volume 2 of 4)	Various
16	-	807 KAR 5:001 Section 16(7)(a)	Testimony (Volume 3 of 4)	Various
17	-	807 KAR 5:001 Section 16(7)(a)	Testimony (Volume 4 of 4)	Various
18-19	-	KRS 278.2205(6)	Cost Allocation Manual	Legal

TAB 36 CONTINUED

UNITED STATES SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, D.C. 20549

FORM 10-Q

(Mark One)

☒ **QUARTERLY REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934**

For the quarterly period ended June 30, 2023

OR

☐ **TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934**

For the transition period from _________to_________

Commission File Number	Registrant, State of Incorporation or Organization, Address of Principal Executive Offices, Zip Code and Telephone Number	IRS Employer Identification No.
1-32853	**DUKE ENERGY CORPORATION** (a Delaware corporation) 526 South Church Street Charlotte, North Carolina 28202-1803 704-382-3853	20-2777218
1-4928	**DUKE ENERGY CAROLINAS, LLC** (a North Carolina limited liability company) 526 South Church Street Charlotte, North Carolina 28202-1803 704-382-3853	56-0205520
1-15929	**PROGRESS ENERGY, INC.** (a North Carolina corporation) 410 South Wilmington Street Raleigh, North Carolina 27601-1748 704-382-3853	56-2155481
1-3382	**DUKE ENERGY PROGRESS, LLC** (a North Carolina limited liability company) 410 South Wilmington Street Raleigh, North Carolina 27601-1748 704-382-3853	56-0165465
1-3274	**DUKE ENERGY FLORIDA, LLC** (a Florida limited liability company) 299 First Avenue North St. Petersburg, Florida 33701 704-382-3853	59-0247770
1-1232	**DUKE ENERGY OHIO, INC.** (an Ohio corporation) 139 East Fourth Street Cincinnati, Ohio 45202 704-382-3853	31-0240030
1-3543	**DUKE ENERGY INDIANA, LLC** (an Indiana limited liability company) 1000 East Main Street Plainfield, Indiana 46168 704-382-3853	35-0594457
1-6196	**PIEDMONT NATURAL GAS COMPANY, INC.** (a North Carolina corporation) 4720 Piedmont Row Drive Charlotte, North Carolina 28210 704-364-3120	56-0556998

SECURITIES REGISTERED PURSUANT TO SECTION 12(b) OF THE ACT:

Registrant	Title of each class	Trading symbols	Name of each exchange on which registered
Duke Energy	Common Stock, $0.001 par value	DUK	New York Stock Exchange LLC
Duke Energy	5.625% Junior Subordinated Debentures due September 15, 2078	DUKB	New York Stock Exchange LLC
Duke Energy	Depositary Shares, each representing a 1/1,000th interest in a share of 5.75% Series A Cumulative Redeemable Perpetual Preferred Stock, par value $0.001 per share	DUK PR A	New York Stock Exchange LLC
Duke Energy	3.10% Senior Notes due 2028	DUK 28A	New York Stock Exchange LLC
Duke Energy	3.85% Senior Notes due 2034	DUK 34	New York Stock Exchange LLC

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days.

Duke Energy Corporation (Duke Energy)	Yes ☒	No ☐	Duke Energy Florida, LLC (Duke Energy Florida)	Yes ☒	No ☐
Duke Energy Carolinas, LLC (Duke Energy Carolinas)	Yes ☒	No ☐	Duke Energy Ohio, Inc. (Duke Energy Ohio)	Yes ☒	No ☐
Progress Energy, Inc. (Progress Energy)	Yes ☒	No ☐	Duke Energy Indiana, LLC (Duke Energy Indiana)	Yes ☒	No ☐
Duke Energy Progress, LLC (Duke Energy Progress)	Yes ☒	No ☐	Piedmont Natural Gas Company, Inc. (Piedmont)	Yes ☒	No ☐

Indicate by check mark whether the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T (§232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit such files).

Duke Energy	Yes ☒	No ☐	Duke Energy Florida	Yes ☒	No ☐
Duke Energy Carolinas	Yes ☒	No ☐	Duke Energy Ohio	Yes ☒	No ☐
Progress Energy	Yes ☒	No ☐	Duke Energy Indiana	Yes ☒	No ☐
Duke Energy Progress	Yes ☒	No ☐	Piedmont	Yes ☒	No ☐

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, a smaller reporting company or an emerging growth company. See the definitions of “large accelerated filer,” “accelerated filer,” “smaller reporting company” and "emerging growth company" in Rule 12b-2 of the Exchange Act.

Duke Energy	Large Accelerated Filer ☒	Accelerated filer ☐	Non-accelerated Filer ☐	Smaller reporting company ☐	Emerging growth company ☐
Duke Energy Carolinas	Large Accelerated Filer ☐	Accelerated filer ☐	Non-accelerated Filer ☒	Smaller reporting company ☐	Emerging growth company ☐
Progress Energy	Large Accelerated Filer ☐	Accelerated filer ☐	Non-accelerated Filer ☒	Smaller reporting company ☐	Emerging growth company ☐
Duke Energy Progress	Large Accelerated Filer ☐	Accelerated filer ☐	Non-accelerated Filer ☒	Smaller reporting company ☐	Emerging growth company ☐
Duke Energy Florida	Large Accelerated Filer ☐	Accelerated filer ☐	Non-accelerated Filer ☒	Smaller reporting company ☐	Emerging growth company ☐
Duke Energy Ohio	Large Accelerated Filer ☐	Accelerated filer ☐	Non-accelerated Filer ☒	Smaller reporting company ☐	Emerging growth company ☐
Duke Energy Indiana	Large Accelerated Filer ☐	Accelerated filer ☐	Non-accelerated Filer ☒	Smaller reporting company ☐	Emerging growth company ☐
Piedmont	Large Accelerated Filer ☐	Accelerated filer ☐	Non-accelerated Filer ☒	Smaller reporting company ☐	Emerging growth company ☐

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act. ☐

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act).

Duke Energy	Yes ☐	No ☒	Duke Energy Florida	Yes ☐	No ☒
Duke Energy Carolinas	Yes ☐	No ☒	Duke Energy Ohio	Yes ☐	No ☒
Progress Energy	Yes ☐	No ☒	Duke Energy Indiana	Yes ☐	No ☒
Duke Energy Progress	Yes ☐	No ☒	Piedmont	Yes ☐	No ☒

Number of shares of common stock outstanding at July 31, 2023:

Registrant	Description	Shares
Duke Energy	Common stock, $0.001 par value	770,707,545
Duke Energy Carolinas	All of the registrant's limited liability company member interests are directly owned by Duke Energy.	N/A
Progress Energy	All of the registrant's common stock is directly owned by Duke Energy.	100
Duke Energy Progress	All of the registrant's limited liability company member interests are indirectly owned by Duke Energy.	N/A
Duke Energy Florida	All of the registrant's limited liability company member interests are indirectly owned by Duke Energy.	N/A
Duke Energy Ohio	All of the registrant's common stock is indirectly owned by Duke Energy.	89,663,086
Duke Energy Indiana	All of the registrant's limited liability company member interests are owned by a Duke Energy subsidiary that is 80.1% indirectly owned by Duke Energy.	N/A
Piedmont	All of the registrant's common stock is directly owned by Duke Energy.	100

This combined Form 10-Q is filed separately by eight registrants: Duke Energy, Duke Energy Carolinas, Progress Energy, Duke Energy Progress, Duke Energy Florida, Duke Energy Ohio, Duke Energy Indiana and Piedmont (collectively the Duke Energy Registrants). Information contained herein relating to any individual registrant is filed by such registrant solely on its own behalf. Each registrant makes no representation as to information relating exclusively to the other registrants.

Duke Energy Carolinas, Progress Energy, Duke Energy Progress, Duke Energy Florida, Duke Energy Ohio, Duke Energy Indiana and Piedmont meet the conditions set forth in General Instructions H(1)(a) and (b) of Form 10-Q and are therefore filing this form with the reduced disclosure format specified in General Instructions H(2) of Form 10-Q.

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Glossary of Terms

The following terms or acronyms used in this Form 10-Q are defined below:

Term or Acronym	Definition
2021 Settlement	Settlement Agreement in 2021 among Duke Energy Florida, the Florida Office of Public Counsel, the Florida Industrial Power Users Group, White Springs Agricultural Chemicals, Inc. d/b/a PSC Phosphate and NUCOR Steel Florida, Inc.
AFUDC	Allowance for funds used during construction
ArcLight	ArcLight Capital Partners, LLC
ARO	Asset retirement obligations
Bison	Bison Insurance Company Limited
Brookfield	Brookfield Renewable Partners L.P.
CEP	Capital Expenditure Program
the Company	Duke Energy Corporation and its subsidiaries
Commercial Renewables Disposal Groups	Commercial Renewables business segment, excluding the offshore wind contract for Carolina Long Bay, separated into the utility-scale solar and wind group, the distributed generation group and the remaining assets
COVID-19	Coronavirus Disease 2019
CRC	Cinergy Receivables Company, LLC
Crystal River Unit 3	Crystal River Unit 3 Nuclear Plant
DEFR	Duke Energy Florida Receivables, LLC
DEPR	Duke Energy Progress Receivables, LLC
DERF	Duke Energy Receivables Finance Company, LLC
Duke Energy	Duke Energy Corporation (collectively with its subsidiaries)
Duke Energy Ohio	Duke Energy Ohio, Inc.
Duke Energy Progress	Duke Energy Progress, LLC
Duke Energy Carolinas	Duke Energy Carolinas, LLC
Duke Energy Florida	Duke Energy Florida, LLC
Duke Energy Indiana	Duke Energy Indiana, LLC
Duke Energy Registrants	Duke Energy, Duke Energy Carolinas, Progress Energy, Duke Energy Progress, Duke Energy Florida, Duke Energy Ohio, Duke Energy Indiana and Piedmont
EDIT	Excess deferred income tax
EPA	United States Environmental Protection Agency
EPS	Earnings (Loss) Per Share
ERCOT	Electric Reliability Council of Texas
ETR	Effective tax rate
EU&I	Electric Utilities and Infrastructure
Exchange Act	Securities Exchange Act of 1934
FERC	Federal Energy Regulatory Commission
FPSC	Florida Public Service Commission
FTR	Financial transmission rights
GAAP	Generally accepted accounting principles in the U.S.
GAAP Reported Earnings	Net Income Available to Duke Energy Corporation Common Stockholders
GAAP Reported EPS	Basic Earnings Per Share Available to Duke Energy Corporation common stockholders
GIC	GIC Private Limited, Singapore's sovereign wealth fund and an experienced investor in U.S. infrastructure
GU&I	Gas Utilities and Infrastructure
GWh	Gigawatt-hours

GLOSSARY OF TERMS

HB 951	The Energy Solutions for North Carolina, or House Bill 951, passed in October 2021
IMR	Integrity Management Rider
IRA	Inflation Reduction Act
IRS	Internal Revenue Service
IURC	Indiana Utility Regulatory Commission
KPSC	Kentucky Public Service Commission
LLC	Limited Liability Company
MGP	Manufactured gas plant
MGP Settlement	Stipulation and Recommendation filed jointly by Duke Energy Ohio the staff of the PUCO, the Office of the Ohio Consumers' Counsel and the Ohio Energy Group on August 31, 2021
MW	Megawatt
MWh	Megawatt-hour
MYRP	Multiyear rate plan
NCUC	North Carolina Utilities Commission
NDTF	Nuclear decommissioning trust funds
NPNS	Normal purchase/normal sale
NYSE	The New York Stock Exchange
OCC	Ohio Consumers' Counsel
OPEB	Other Post-Retirement Benefit Obligations
the Parent	Duke Energy Corporation holding company
PBR	Performance-based regulation
Piedmont	Piedmont Natural Gas Company, Inc.
Progress Energy	Progress Energy, Inc.
PSCSC	Public Service Commission of South Carolina
PUCO	Public Utilities Commission of Ohio
RTO	Regional Transmission Organization
Subsidiary Registrants	Duke Energy Carolinas, Progress Energy, Duke Energy Progress, Duke Energy Florida, Duke Energy Ohio, Duke Energy Indiana and Piedmont
TPUC	Tennessee Public Utility Commission
U.S.	United States
VIE	Variable Interest Entity

CAUTIONARY STATEMENT REGARDING FORWARD-LOOKING INFORMATION

This document includes forward-looking statements within the meaning of Section 27A of the Securities Act of 1933 and Section 21E of the Securities Exchange Act of 1934. Forward-looking statements are based on management's beliefs and assumptions and can often be identified by terms and phrases that include "anticipate," "believe," "intend," "estimate," "expect," "continue," "should," "could," "may," "plan," "project," "predict," "will," "potential," "forecast," "target," "guidance," "outlook" or other similar terminology. Various factors may cause actual results to be materially different than the suggested outcomes within forward-looking statements; accordingly, there is no assurance that such results will be realized. These factors include, but are not limited to:

- The ability to implement our business strategy, including our carbon emission reduction goals;
- State, federal and foreign legislative and regulatory initiatives, including costs of compliance with existing and future environmental requirements, including those related to climate change, as well as rulings that affect cost and investment recovery or have an impact on rate structures or market prices;
- The extent and timing of costs and liabilities to comply with federal and state laws, regulations and legal requirements related to coal ash remediation, including amounts for required closure of certain ash impoundments, are uncertain and difficult to estimate;
- The ability to recover eligible costs, including amounts associated with coal ash impoundment retirement obligations, asset retirement and construction costs related to carbon emissions reductions, and costs related to significant weather events, and to earn an adequate return on investment through rate case proceedings and the regulatory process;
- The costs of decommissioning nuclear facilities could prove to be more extensive than amounts estimated and all costs may not be fully recoverable through the regulatory process;
- The impact of extraordinary external events, such as the pandemic health event resulting from COVID-19, and their collateral consequences, including the disruption of global supply chains or the economic activity in our service territories;
- Costs and effects of legal and administrative proceedings, settlements, investigations and claims;
- Industrial, commercial and residential growth or decline in service territories or customer bases resulting from sustained downturns of the economy, reduced customer usage due to cost pressures from inflation or fuel costs, and the economic health of our service territories or variations in customer usage patterns, including energy efficiency efforts, natural gas building and appliance electrification, and use of alternative energy sources, such as self-generation and distributed generation technologies;
- Federal and state regulations, laws and other efforts designed to promote and expand the use of energy efficiency measures, natural gas electrification, and distributed generation technologies, such as private solar and battery storage, in Duke Energy service territories could result in a reduced number of customers, excess generation resources as well as stranded costs;
- Advancements in technology;
- Additional competition in electric and natural gas markets and continued industry consolidation;
- The influence of weather and other natural phenomena on operations, including the economic, operational and other effects of severe storms, hurricanes, droughts, earthquakes and tornadoes, including extreme weather associated with climate change;
- Changing investor, customer and other stakeholder expectations and demands including heightened emphasis on environmental, social and governance concerns and costs related thereto;
- The ability to successfully operate electric generating facilities and deliver electricity to customers including direct or indirect effects to the Company resulting from an incident that affects the United States electric grid or generating resources;
- Operational interruptions to our natural gas distribution and transmission activities;
- The availability of adequate interstate pipeline transportation capacity and natural gas supply;
- The impact on facilities and business from a terrorist or other attack, war, vandalism, cybersecurity threats, data security breaches, operational events, information technology failures or other catastrophic events, such as fires, explosions, pandemic health events or other similar occurrences;
- The inherent risks associated with the operation of nuclear facilities, including environmental, health, safety, regulatory and financial risks, including the financial stability of third-party service providers;
- The timing and extent of changes in commodity prices and interest rates and the ability to recover such costs through the regulatory process, where appropriate, and their impact on liquidity positions and the value of underlying assets;
- The results of financing efforts, including the ability to obtain financing on favorable terms, which can be affected by various factors, including credit ratings, interest rate fluctuations, compliance with debt covenants and conditions, an individual utility's generation mix, and general market and economic conditions;
- Credit ratings of the Duke Energy Registrants may be different from what is expected;
- Declines in the market prices of equity and fixed-income securities and resultant cash funding requirements for defined benefit pension plans, other post-retirement benefit plans and nuclear decommissioning trust funds;

FORWARD-LOOKING STATEMENTS

- Construction and development risks associated with the completion of the Duke Energy Registrants’ capital investment projects, including risks related to financing, timing and receipt of necessary regulatory approvals, obtaining and complying with terms of permits, meeting construction budgets and schedules and satisfying operating and environmental performance standards, as well as the ability to recover costs from customers in a timely manner, or at all;
- Changes in rules for regional transmission organizations, including changes in rate designs and new and evolving capacity markets, and risks related to obligations created by the default of other participants;
- The ability to control operation and maintenance costs;
- The level of creditworthiness of counterparties to transactions;
- The ability to obtain adequate insurance at acceptable costs;
- Employee workforce factors, including the potential inability to attract and retain key personnel;
- The ability of subsidiaries to pay dividends or distributions to Duke Energy Corporation holding company (the Parent);
- The performance of projects undertaken by our nonregulated businesses and the success of efforts to invest in and develop new opportunities, as well as the successful sale of the Commercial Renewables Disposal Groups;
- The effect of accounting and reporting pronouncements issued periodically by accounting standard-setting bodies and the SEC;
- The impact of United States tax legislation to our financial condition, results of operations or cash flows and our credit ratings;
- The impacts from potential impairments of goodwill or equity method investment carrying values;
- Asset or business acquisitions and dispositions may not yield the anticipated benefits; and
- The actions of activist shareholders could disrupt our operations, impact our ability to execute on our business strategy, or cause fluctuations in the trading price of our common stock.

Additional risks and uncertainties are identified and discussed in the Duke Energy Registrants' reports filed with the SEC and available at the SEC's website at sec.gov. In light of these risks, uncertainties and assumptions, the events described in the forward-looking statements might not occur or might occur to a different extent or at a different time than described. Forward-looking statements speak only as of the date they are made and the Duke Energy Registrants expressly disclaim any obligation to publicly update or revise any forward-looking statements, whether as a result of new information, future events or otherwise.

ITEM 1. FINANCIAL STATEMENTS

DUKE ENERGY CORPORATION
Condensed Consolidated Statements of Operations
(Unaudited)

	Three Months Ended June 30,		Six Months Ended June 30,	
(in millions, except per share amounts)	**2023**	**2022**	**2023**	**2022**
Operating Revenues				
Regulated electric	$ 6,176	$ 6,075	$ 12,500	$ 12,008
Regulated natural gas	331	425	1,213	1,427
Nonregulated electric and other	71	64	141	140
Total operating revenues	6,578	6,564	13,854	13,575
Operating Expenses				
Fuel used in electric generation and purchased power	2,039	1,972	4,416	3,789
Cost of natural gas	79	189	377	670
Operation, maintenance and other	1,375	1,367	2,685	2,915
Depreciation and amortization	1,333	1,237	2,560	2,494
Property and other taxes	353	368	742	750
Impairment of assets and other charges	—	(9)	8	206
Total operating expenses	5,179	5,124	10,788	10,824
Gains on Sales of Other Assets and Other, net	31	8	38	11
Operating Income	1,430	1,448	3,104	2,762
Other Income and Expenses				
Equity in earnings of unconsolidated affiliates	20	38	40	64
Other income and expenses, net	147	114	298	203
Total other income and expenses	167	152	338	267
Interest Expense	727	588	1,447	1,157
Income From Continuing Operations Before Income Taxes	870	1,012	1,995	1,872
Income Tax Expense From Continuing Operations	119	114	274	139
Income From Continuing Operations	751	898	1,721	1,733
Loss From Discontinued Operations, net of tax	(955)	(18)	(1,164)	(33)
Net (Loss) Income	(204)	880	557	1,700
Add: Net (Income) Loss Attributable to Noncontrolling Interests	(16)	27	27	64
Net (Loss) Income Attributable to Duke Energy Corporation	(220)	907	584	1,764
Less: Preferred Dividends	14	14	53	53
Net (Loss) Income Available to Duke Energy Corporation Common Stockholders	$ (234)	$ 893	$ 531	$ 1,711
Earnings Per Share – Basic and Diluted				
Income from continuing operations available to Duke Energy Corporation common stockholders				
Basic and Diluted	$ 0.91	$ 1.11	$ 2.10	$ 2.17
(Loss) Income from discontinued operations attributable to Duke Energy Corporation common stockholders				
Basic and Diluted	$ (1.23)	$ 0.03	$ (1.41)	$ 0.05
Net (loss) income available to Duke Energy Corporation common stockholders				
Basic and Diluted	$ (0.32)	$ 1.14	$ 0.69	$ 2.22
Weighted Average Shares Outstanding				
Basic and Diluted	771	770	770	770

See Notes to Condensed Consolidated Financial Statements

FINANCIAL STATEMENTS

DUKE ENERGY CORPORATION
Condensed Consolidated Statements of Comprehensive Income
(Unaudited)

(in millions)	Three Months Ended June 30, 2023	Three Months Ended June 30, 2022	Six Months Ended June 30, 2023	Six Months Ended June 30, 2022
Net (Loss) Income	**$ (204)**	$ 880	**$ 557**	$ 1,700
Other Comprehensive Income (Loss), net of tax[(a)]				
Pension and OPEB adjustments	**1**	2	**—**	4
Net unrealized gains on cash flow hedges	**26**	149	**6**	262
Reclassification into earnings from cash flow hedges	**4**	4	**4**	9
Net unrealized gains (losses) on fair value hedges	**26**	(12)	**15**	(12)
Unrealized (losses) gains on available-for-sale securities	**(2)**	(8)	**4**	(21)
Other Comprehensive Income, net of tax	**55**	135	**29**	242
Comprehensive (Loss) Income	**(149)**	1,015	**586**	1,942
Add: Comprehensive (Income) Loss Attributable to Noncontrolling Interests	**(16)**	23	**27**	52
Comprehensive (Loss) Income Attributable to Duke Energy	**(165)**	1,038	**613**	1,994
Less: Preferred Dividends	**14**	14	**53**	53
Comprehensive (Loss) Income Available to Duke Energy Corporation Common Stockholders	**$ (179)**	$ 1,024	**$ 560**	$ 1,941

(a) Net of income tax expense of approximately $16 million and $40 million for the three months ended June 30, 2023, and 2022, respectively and approximately $9 million and $72 million for the six months ended June 30, 2023, and 2022, respectively.

See Notes to Condensed Consolidated Financial Statements

DUKE ENERGY CORPORATION
Condensed Consolidated Balance Sheets
(Unaudited)

(in millions)	June 30, 2023	December 31, 2022
ASSETS		
Current Assets		
Cash and cash equivalents	**$ 377**	$ 409
Receivables (net of allowance for doubtful accounts of $47 at 2023 and $40 at 2022)	**1,016**	1,309
Receivables of VIEs (net of allowance for doubtful accounts of $152 at 2023 and $176 at 2022)	**2,812**	3,106
Inventory	**4,100**	3,584
Regulatory assets (includes $107 at 2023 and $106 at 2022 related to VIEs)	**3,760**	3,485
Assets held for sale	**390**	356
Other (includes $73 at 2023 and $116 at 2022 related to VIEs)	**633**	973
Total current assets	**13,088**	13,222
Property, Plant and Equipment		
Cost	**168,506**	163,839
Accumulated depreciation and amortization	**(54,030)**	(52,100)
Facilities to be retired, net	**4**	9
Net property, plant and equipment	**114,480**	111,748
Other Noncurrent Assets		
Goodwill	**19,303**	19,303
Regulatory assets (includes $1,667 at 2023 and $1,715 at 2022 related to VIEs)	**14,147**	14,645
Nuclear decommissioning trust funds	**9,565**	8,637
Operating lease right-of-use assets, net	**1,009**	1,042
Investments in equity method unconsolidated affiliates	**479**	455
Assets held for sale	**4,561**	5,634
Other (includes $45 at 2023 and $52 at 2022 related to VIEs)	**3,444**	3,400
Total other noncurrent assets	**52,508**	53,116
Total Assets	**$ 180,076**	$ 178,086
LIABILITIES AND EQUITY		
Current Liabilities		
Accounts payable	**$ 3,225**	$ 4,754
Notes payable and commercial paper	**3,455**	3,952
Taxes accrued	**708**	722
Interest accrued	**714**	626
Current maturities of long-term debt (includes $426 at 2023 and $350 at 2022 related to VIEs)	**4,609**	3,878
Asset retirement obligations	**692**	773
Regulatory liabilities	**1,303**	1,466
Liabilities associated with assets held for sale	**575**	535
Other	**2,094**	2,167
Total current liabilities	**17,375**	18,873
Long-Term Debt (includes $3,051 at 2023 and $3,108 at 2022 related to VIEs)	**69,914**	65,873
Other Noncurrent Liabilities		
Deferred income taxes	**10,210**	9,964
Asset retirement obligations	**11,991**	11,955
Regulatory liabilities	**13,944**	13,582
Operating lease liabilities	**841**	876
Accrued pension and other post-retirement benefit costs	**808**	832
Investment tax credits	**849**	849
Liabilities associated with assets held for sale	**1,720**	1,927
Other	**1,353**	1,502
Total other noncurrent liabilities	**41,716**	41,487
Commitments and Contingencies		
Equity		
Preferred stock, Series A, $0.001 par value, 40 million depositary shares authorized and outstanding at 2023 and 2022	**973**	973
Preferred stock, Series B, $0.001 par value, 1 million shares authorized and outstanding at 2023 and 2022	**989**	989
Common stock, $0.001 par value, 2 billion shares authorized; 771 million and 770 million shares outstanding at 2023 and 2022	**1**	1
Additional paid-in capital	**44,866**	44,862
Retained earnings	**1,615**	2,637
Accumulated other comprehensive loss	**(111)**	(140)
Total Duke Energy Corporation stockholders' equity	**48,333**	49,322
Noncontrolling interests	**2,738**	2,531
Total equity	**51,071**	51,853
Total Liabilities and Equity	**$ 180,076**	$ 178,086

See Notes to Condensed Consolidated Financial Statements

DUKE ENERGY CORPORATION
Condensed Consolidated Statements of Cash Flows
(Unaudited)

	Six Months Ended June 30,	
(in millions)	**2023**	**2022**
CASH FLOWS FROM OPERATING ACTIVITIES		
Net income	$ 557	$ 1,700
Adjustments to reconcile net income to net cash provided by operating activities:		
Depreciation, amortization and accretion (including amortization of nuclear fuel)	2,916	2,923
Equity component of AFUDC	(97)	(99)
Gains on sales of other assets	(38)	(10)
Impairment of assets and other charges	1,442	206
Deferred income taxes	(52)	67
Equity in earnings of unconsolidated affiliates	(29)	(61)
Payments for asset retirement obligations	(261)	(255)
Provision for rate refunds	(57)	(65)
(Increase) decrease in		
Net realized and unrealized mark-to-market and hedging transactions	93	351
Receivables	586	(180)
Inventory	(517)	(12)
Other current assets	(41)	(1,144)
Increase (decrease) in		
Accounts payable	(1,245)	408
Taxes accrued	(8)	(49)
Other current liabilities	(154)	99
Other assets	608	65
Other liabilities	82	91
Net cash provided by operating activities	3,785	4,035
CASH FLOWS FROM INVESTING ACTIVITIES		
Capital expenditures	(6,265)	(5,117)
Contributions to equity method investments	(22)	(32)
Purchases of debt and equity securities	(1,594)	(2,184)
Proceeds from sales and maturities of debt and equity securities	1,628	2,225
Net proceeds from the sales of other assets	111	—
Other	(366)	(384)
Net cash used in investing activities	(6,508)	(5,492)
CASH FLOWS FROM FINANCING ACTIVITIES		
Proceeds from the:		
Issuance of long-term debt	7,094	5,714
Payments for the redemption of long-term debt	(2,372)	(3,147)
Proceeds from the issuance of short-term debt with original maturities greater than 90 days	60	30
Payments for the redemption of short-term debt with original maturities greater than 90 days	(52)	(257)
Notes payable and commercial paper	(590)	785
Contributions from noncontrolling interests	248	126
Dividends paid	(1,606)	(1,574)
Other	(95)	(101)
Net cash provided by financing activities	2,687	1,576
Net (decrease) increase in cash, cash equivalents and restricted cash	(36)	119
Cash, cash equivalents and restricted cash at beginning of period	603	520
Cash, cash equivalents and restricted cash at end of period	$ 567	$ 639
Supplemental Disclosures:		
Significant non-cash transactions:		
Accrued capital expenditures	$ 1,398	$ 1,264

See Notes to Condensed Consolidated Financial Statements

DUKE ENERGY CORPORATION
Condensed Consolidated Statements of Changes in Equity
(Unaudited)

	Three Months Ended June 30, 2022 and 2023										
						Accumulated Other Comprehensive (Loss) Income					
(in millions)	Preferred Stock	Common Stock Shares	Common Stock	Additional Paid-in Capital	Retained Earnings	Net Gains (Losses) on Hedges[b]	Net Unrealized (Losses) Gains on Available-for-Sale-Securities	Pension and OPEB Adjustments	Total Duke Energy Corporation Stockholders' Equity	Non-controlling Interests	Total Equity
Balance at March 31, 2022	$ 1,962	770	$ 1	$ 44,364	$ 3,323	$ (122)	$ (15)	$ (67)	$ 49,446	$ 1,806	$ 51,252
Net income (loss)	—	—	—	—	893	—	—	—	893	(27)	866
Other comprehensive income (loss)	—	—	—	—	—	137	(8)	2	131	4	135
Common stock issuances, including dividend reinvestment and employee benefits	—	—	—	27	—	—	—	—	27	—	27
Common stock dividends	—	—	—	—	(761)	—	—	—	(761)	—	(761)
Sale of noncontrolling interest	—	—	—	(17)	—	—	—	—	(17)	38	21
Contribution from noncontrolling interests, net of transaction costs[a]	—	—	—	—	—	—	—	—	—	65	65
Distributions to noncontrolling interest in subsidiaries	—	—	—	—	—	—	—	—	—	(22)	(22)
Other	—	—	—	(1)	2	—	—	—	1	—	1
Balance at June 30, 2022	$ 1,962	$ 770	$ 1	$ 44,373	$ 3,457	$ 15	$ (23)	$ (65)	$ 49,720	$ 1,864	$ 51,584
Balance at March 31, 2023	$ 1,962	771	$ 1	$ 44,837	$ 2,626	$ (60)	$ (17)	$ (89)	$ 49,260	$ 2,691	$ 51,951
Net (loss) income	**—**	**—**	**—**	**—**	**(234)**	**—**	**—**	**—**	**(234)**	**16**	**(218)**
Other comprehensive income (loss)	**—**	**—**	**—**	**—**	**—**	**56**	**(2)**	**1**	**55**	**—**	**55**
Common stock issuances, including dividend reinvestment and employee benefits	**—**	**—**	**—**	**31**	**—**	**—**	**—**	**—**	**31**	**—**	**31**
Common stock dividends	**—**	**—**	**—**	**—**	**(777)**	**—**	**—**	**—**	**(777)**	**—**	**(777)**
Contribution from noncontrolling interests, net of transaction costs[a]	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**42**	**42**
Distributions to noncontrolling interest in subsidiaries	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**(12)**	**(12)**
Other	**—**	**—**	**—**	**(2)**	**—**	**—**	**—**	**—**	**(2)**	**1**	**(1)**
Balance at June 30, 2023	**$ 1,962**	**$ 771**	**$ 1**	**$ 44,866**	**$ 1,615**	**$ (4)**	**$ (19)**	**$ (88)**	**$ 48,333**	**$ 2,738**	**$ 51,071**

See Notes to Condensed Consolidated Financial Statements

FINANCIAL STATEMENTS

DUKE ENERGY CORPORATION
Condensed Consolidated Statements of Changes in Equity
(Unaudited)

	Six Months Ended June 30, 2022 and 2023										
						Accumulated Other Comprehensive (Loss) Income					
(in millions)	Preferred Stock	Common Stock Shares	Common Stock	Additional Paid-in Capital	Retained Earnings	Net Gains (Losses) on Hedges[b]	Net Unrealized Gains (Losses) on Available-for-Sale-Securities	Pension and OPEB Adjustments	Total Duke Energy Corporation Stockholders' Equity	Non-controlling Interests	Total Equity
Balance at December 31, 2021	$ 1,962	769	$ 1	$ 44,371	$ 3,265	$ (232)	$ (2)	$ (69)	$ 49,296	$ 1,840	$ 51,136
Net income (loss)	—	—	—	—	1,711	—	—	—	1,711	(64)	1,647
Other comprehensive income (loss)	—	—	—	—	—	247	(21)	4	230	12	242
Common stock issuances, including dividend reinvestment and employee benefits	—	1	—	20	—	—	—	—	20	—	20
Common stock dividends	—	—	—	—	(1,521)	—	—	—	(1,521)	—	(1,521)
Sale of noncontrolling interest	—	—	—	(17)	—	—	—	—	(17)	38	21
Contributions from noncontrolling interests, net of transaction costs[a]	—	—	—	—	—	—	—	—	—	88	88
Distributions to noncontrolling interest in subsidiaries	—	—	—	—	—	—	—	—	—	(50)	(50)
Other	—	—	—	(1)	2	—	—	—	1	—	1
Balance at June 30, 2022	$ 1,962	770	$ 1	$ 44,373	$ 3,457	$ 15	$ (23)	$ (65)	$ 49,720	$ 1,864	$ 51,584
Balance at December 31, 2022	$ 1,962	770	$ 1	$ 44,862	$ 2,637	$ (29)	$ (23)	$ (88)	$ 49,322	$ 2,531	$ 51,853
Net income (loss)	**—**	**—**	**—**	**—**	**531**	**—**	**—**	**—**	**531**	**(27)**	**504**
Other comprehensive income (loss)	**—**	**—**	**—**	**—**	**—**	**25**	**4**	**—**	**29**	**—**	**29**
Common stock issuances, including dividend reinvestment and employee benefits	**—**	**1**	**—**	**21**	**—**	**—**	**—**	**—**	**21**	**—**	**21**
Common stock dividends	**—**	**—**	**—**	**—**	**(1,553)**	**—**	**—**	**—**	**(1,553)**	**—**	**(1,553)**
Sale of noncontrolling interest	**—**	**—**	**—**	**(13)**	**—**	**—**	**—**	**—**	**(13)**	**10**	**(3)**
Contributions from noncontrolling interests, net of transaction costs[a]	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**248**	**248**
Distributions to noncontrolling interest in subsidiaries	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**(25)**	**(25)**
Other	**—**	**—**	**—**	**(4)**	**—**	**—**	**—**	**—**	**(4)**	**1**	**(3)**
Balance at June 30, 2023	**$ 1,962**	**771**	**$ 1**	**$ 44,866**	**$ 1,615**	**$ (4)**	**$ (19)**	**$ (88)**	**$ 48,333**	**$ 2,738**	**$ 51,071**

(a) Relates primarily to tax equity financing activity in the Commercial Renewables Disposal Groups.
(b) See Duke Energy Condensed Consolidated Statements of Comprehensive Income for detailed activity related to Cash Flow and Fair Value hedges.

See Notes to Condensed Consolidated Financial Statements

FINANCIAL STATEMENTS

DUKE ENERGY CAROLINAS, LLC
Condensed Consolidated Statements of Operations and Comprehensive Income
(Unaudited)

	Three Months Ended June 30,		Six Months Ended June 30,	
(in millions)	**2023**	**2022**	**2023**	**2022**
Operating Revenues	**$ 1,828**	$ 1,781	**$ 3,762**	$ 3,669
Operating Expenses				
Fuel used in electric generation and purchased power	**510**	431	**1,133**	879
Operation, maintenance and other	**421**	462	**861**	974
Depreciation and amortization	**413**	384	**779**	763
Property and other taxes	**91**	77	**186**	170
Impairment of assets and other charges	**4**	(12)	**6**	(9)
Total operating expenses	**1,439**	1,342	**2,965**	2,777
Gains on Sales of Other Assets and Other, net	**26**	—	**26**	—
Operating Income	**415**	439	**823**	892
Other Income and Expenses, net	**59**	58	**118**	113
Interest Expense	**172**	143	**332**	284
Income Before Income Taxes	**302**	354	**609**	721
Income Tax Expense	**32**	26	**67**	53
Net Income and Comprehensive Income	**$ 270**	$ 328	**$ 542**	$ 668

See Notes to Condensed Consolidated Financial Statements

DUKE ENERGY CAROLINAS, LLC
Condensed Consolidated Balance Sheets
(Unaudited)

(in millions)	June 30, 2023	December 31, 2022
ASSETS		
Current Assets		
Cash and cash equivalents	$ 20	$ 44
Receivables (net of allowance for doubtful accounts of $6 at 2023 and $3 at 2022)	324	338
Receivables of VIEs (net of allowance for doubtful accounts of $51 at 2023 and $65 at 2022)	855	928
Receivables from affiliated companies	156	390
Inventory	1,403	1,164
Regulatory assets (includes $12 at 2023 and 2022 related to VIEs)	1,483	1,095
Other (includes $8 at 2023 and 2022 related to VIEs)	61	216
Total current assets	4,302	4,175
Property, Plant and Equipment		
Cost	56,116	54,650
Accumulated depreciation and amortization	(19,328)	(18,669)
Net property, plant and equipment	36,788	35,981
Other Noncurrent Assets		
Regulatory assets (includes $202 at 2023 and $208 at 2022 related to VIEs)	4,056	4,293
Nuclear decommissioning trust funds	5,332	4,783
Operating lease right-of-use assets, net	71	78
Other	1,005	1,036
Total other noncurrent assets	10,464	10,190
Total Assets	$ 51,554	$ 50,346
LIABILITIES AND EQUITY		
Current Liabilities		
Accounts payable	$ 821	$ 1,472
Accounts payable to affiliated companies	139	209
Notes payable to affiliated companies	578	1,233
Taxes accrued	276	228
Interest accrued	169	120
Current maturities of long-term debt (includes $10 at 2023 and 2022 related to VIEs)	18	1,018
Asset retirement obligations	237	261
Regulatory liabilities	464	530
Other	598	580
Total current liabilities	3,300	5,651
Long-Term Debt (includes $701 at 2023 and $689 at 2022 related to VIEs)	15,648	12,948
Long-Term Debt Payable to Affiliated Companies	300	300
Other Noncurrent Liabilities		
Deferred income taxes	4,302	4,153
Asset retirement obligations	5,166	5,121
Regulatory liabilities	5,887	5,783
Operating lease liabilities	72	83
Accrued pension and other post-retirement benefit costs	36	38
Investment tax credits	298	300
Other	561	527
Total other noncurrent liabilities	16,322	16,005
Commitments and Contingencies		
Equity		
Member's equity	15,990	15,448
Accumulated other comprehensive loss	(6)	(6)
Total equity	15,984	15,442
Total Liabilities and Equity	$ 51,554	$ 50,346

See Notes to Condensed Consolidated Financial Statements

DUKE ENERGY CAROLINAS, LLC
Condensed Consolidated Statements of Cash Flows
(Unaudited)

	Six Months Ended June 30,	
(in millions)	**2023**	**2022**
CASH FLOWS FROM OPERATING ACTIVITIES		
Net income	**$ 542**	$ 668
Adjustments to reconcile net income to net cash provided by operating activities:		
Depreciation and amortization (including amortization of nuclear fuel)	**906**	892
Equity component of AFUDC	**(48)**	(47)
Gains on sales of other assets	**(26)**	—
Impairment of assets and other charges	**6**	(9)
Deferred income taxes	**(5)**	95
Payments for asset retirement obligations	**(87)**	(87)
Provision for rate refunds	**(33)**	(36)
(Increase) decrease in		
Net realized and unrealized mark-to-market and hedging transactions	**—**	55
Receivables	**91**	23
Receivables from affiliated companies	**234**	(51)
Inventory	**(239)**	(7)
Other current assets	**(482)**	(514)
Increase (decrease) in		
Accounts payable	**(652)**	124
Accounts payable to affiliated companies	**(70)**	(95)
Taxes accrued	**48**	(97)
Other current liabilities	**6**	151
Other assets	**542**	(9)
Other liabilities	**97**	(33)
Net cash provided by operating activities	**830**	1,023
CASH FLOWS FROM INVESTING ACTIVITIES		
Capital expenditures	**(1,795)**	(1,523)
Purchases of debt and equity securities	**(936)**	(1,073)
Proceeds from sales and maturities of debt and equity securities	**936**	1,073
Net proceeds from the sales of other assets	**30**	—
Other	**(129)**	(118)
Net cash used in investing activities	**(1,894)**	(1,641)
CASH FLOWS FROM FINANCING ACTIVITIES		
Proceeds from the issuance of long-term debt	**2,729**	1,287
Payments for the redemption of long-term debt	**(1,033)**	(382)
Notes payable to affiliated companies	**(655)**	(197)
Distributions to parent	**—**	(50)
Other	**(1)**	(1)
Net cash provided by financing activities	**1,040**	657
Net (decrease) increase in cash, cash equivalents and restricted cash	**(24)**	39
Cash, cash equivalents and restricted cash at beginning of period	**53**	8
Cash, cash equivalents and restricted cash at end of period	**$ 29**	$ 47
Supplemental Disclosures:		
Significant non-cash transactions:		
Accrued capital expenditures	**$ 456**	$ 413

See Notes to Condensed Consolidated Financial Statements

FINANCIAL STATEMENTS

DUKE ENERGY CAROLINAS, LLC
Condensed Consolidated Statements of Changes in Equity
(Unaudited)

	Three Months Ended June 30, 2022 and 2023		
		Accumulated Other Comprehensive Loss	
(in millions)	Member's Equity	Net Losses on Cash Flow Hedges	Total Equity
Balance at March 31, 2022	$ 14,188	$ (6)	$ 14,182
Net income	328	—	328
Other	(1)	—	(1)
Balance at June 30, 2022	$ 14,515	$ (6)	$ 14,509
Balance at March 31, 2023	$ 15,720	$ (6)	$ 15,714
Net income	**270**	**—**	**270**
Balance at June 30, 2023	**$ 15,990**	**$ (6)**	**$ 15,984**

	Six Months Ended June 30, 2022 and 2023		
		Accumulated Other Comprehensive Loss	
(in millions)	Member's Equity	Net Losses on Cash Flow Hedges	Total Equity
Balance at December 31, 2021	$ 13,897	$ (6)	$ 13,891
Net income	668	—	668
Distributions to parent	(50)	—	(50)
Balance at June 30, 2022	$ 14,515	$ (6)	$ 14,509
Balance at December 31, 2022	$ 15,448	$ (6)	$ 15,442
Net income	**542**	**—**	**542**
Balance at June 30, 2023	**$ 15,990**	**$ (6)**	**$ 15,984**

See Notes to Condensed Consolidated Financial Statements

PROGRESS ENERGY, INC.
Condensed Consolidated Statements of Operations and Comprehensive Income
(Unaudited)

	Three Months Ended June 30,		Six Months Ended June 30,	
(in millions)	**2023**	**2022**	**2023**	**2022**
Operating Revenues	**$ 3,212**	$ 3,214	**$ 6,260**	$ 6,206
Operating Expenses				
Fuel used in electric generation and purchased power	**1,176**	1,258	**2,367**	2,322
Operation, maintenance and other	**684**	603	**1,252**	1,248
Depreciation and amortization	**542**	509	**1,046**	1,045
Property and other taxes	**173**	151	**341**	303
Impairment of assets and other charges	**—**	4	**5**	4
Total operating expenses	**2,575**	2,525	**5,011**	4,922
Gains on Sales of Other Assets and Other, net	**6**	1	**12**	3
Operating Income	**643**	690	**1,261**	1,287
Other Income and Expenses, net	**38**	70	**97**	105
Interest Expense	**219**	208	**465**	419
Income Before Income Taxes	**462**	552	**893**	973
Income Tax Expense	**77**	93	**149**	160
Net Income	**$ 385**	$ 459	**$ 744**	$ 813
Other Comprehensive Income, net of tax				
Net unrealized gains on cash flow hedges	**—**	—	**—**	1
Unrealized (losses) gains on available-for-sale securities	**—**	(1)	**2**	(3)
Other Comprehensive (Loss) Income, net of tax	**—**	(1)	**2**	(2)
Comprehensive Income	**$ 385**	$ 458	**$ 746**	$ 811

See Notes to Condensed Consolidated Financial Statements

PROGRESS ENERGY, INC.
Condensed Consolidated Balance Sheets
(Unaudited)

(in millions)	June 30, 2023	December 31, 2022
ASSETS		
Current Assets		
Cash and cash equivalents	$ 77	$ 108
Receivables (net of allowance for doubtful accounts of $15 at 2023 and $13 at 2022)	289	318
Receivables of VIEs (net of allowance for doubtful accounts of $58 at 2023 and $68 at 2022)	1,312	1,289
Receivables from affiliated companies	23	22
Notes receivable from affiliated companies	25	—
Inventory	1,817	1,579
Regulatory assets (includes $95 at 2023 and 2022 related to VIEs)	1,927	1,833
Other (includes $61 at 2023 and $88 at 2022 related to VIEs)	146	342
Total current assets	5,616	5,491
Property, Plant and Equipment		
Cost	66,881	64,822
Accumulated depreciation and amortization	(21,399)	(20,584)
Net property, plant and equipment	45,482	44,238
Other Noncurrent Assets		
Goodwill	3,655	3,655
Regulatory assets (includes $1,465 at 2023 and $1,507 at 2022 related to VIEs)	6,819	7,146
Nuclear decommissioning trust funds	4,233	3,855
Operating lease right-of-use assets, net	581	628
Other	1,105	1,066
Total other noncurrent assets	16,393	16,350
Total Assets	$ 67,491	$ 66,079
LIABILITIES AND EQUITY		
Current Liabilities		
Accounts payable	$ 1,078	$ 1,481
Accounts payable to affiliated companies	438	712
Notes payable to affiliated companies	816	843
Taxes accrued	288	135
Interest accrued	235	206
Current maturities of long-term debt (includes $416 at 2023 and $340 at 2022 related to VIEs)	1,571	697
Asset retirement obligations	256	289
Regulatory liabilities	455	576
Other	813	782
Total current liabilities	5,950	5,721
Long-Term Debt (includes $1,956 at 2023 and $2,003 at 2022 related to VIEs)	21,718	21,592
Long-Term Debt Payable to Affiliated Companies	150	150
Other Noncurrent Liabilities		
Deferred income taxes	5,250	5,147
Asset retirement obligations	5,890	5,892
Regulatory liabilities	5,023	4,753
Operating lease liabilities	503	546
Accrued pension and other post-retirement benefit costs	281	292
Investment tax credits	361	358
Other	215	222
Total other noncurrent liabilities	17,523	17,210
Commitments and Contingencies		
Equity		
Common Stock, $0.01 par value, 100 shares authorized and outstanding at 2023 and 2022	—	—
Additional paid-in capital	11,830	11,832
Retained earnings	10,329	9,585
Accumulated other comprehensive loss	(9)	(11)
Total equity	22,150	21,406
Total Liabilities and Equity	$ 67,491	$ 66,079

See Notes to Condensed Consolidated Financial Statements

PROGRESS ENERGY, INC.
Condensed Consolidated Statements of Cash Flows
(Unaudited)

	Six Months Ended June 30,	
(in millions)	**2023**	**2022**
CASH FLOWS FROM OPERATING ACTIVITIES		
Net income	**$ 744**	$ 813
Adjustments to reconcile net income to net cash provided by operating activities:		
Depreciation, amortization and accretion (including amortization of nuclear fuel)	**1,265**	1,209
Equity component of AFUDC	**(33)**	(33)
Impairment of assets and other charges	**5**	4
Deferred income taxes	**27**	95
Payments for asset retirement obligations	**(131)**	(137)
Provision for rate refunds	**(24)**	(30)
(Increase) decrease in		
Net realized and unrealized mark-to-market and hedging transactions	**—**	314
Receivables	**6**	(246)
Receivables from affiliated companies	**(1)**	117
Inventory	**(238)**	(30)
Other current assets	**332**	(417)
Increase (decrease) in		
Accounts payable	**(293)**	161
Accounts payable to affiliated companies	**(274)**	459
Taxes accrued	**153**	93
Other current liabilities	**(62)**	74
Other assets	**85**	(76)
Other liabilities	**14**	(2)
Net cash provided by operating activities	**1,575**	2,368
CASH FLOWS FROM INVESTING ACTIVITIES		
Capital expenditures	**(2,425)**	(1,944)
Purchases of debt and equity securities	**(574)**	(996)
Proceeds from sales and maturities of debt and equity securities	**608**	1,032
Notes receivable from affiliated companies	**(25)**	(108)
Other	**(163)**	(21)
Net cash used in investing activities	**(2,579)**	(2,037)
CASH FLOWS FROM FINANCING ACTIVITIES		
Proceeds from the issuance of long-term debt	**1,073**	940
Payments for the redemption of long-term debt	**(79)**	(1,019)
Notes payable to affiliated companies	**(27)**	80
Dividends to parent	**—**	(250)
Other	**(1)**	(3)
Net cash provided by (used in) financing activities	**966**	(252)
Net (decrease) increase in cash, cash equivalents and restricted cash	**(38)**	79
Cash, cash equivalents and restricted cash at beginning of period	**184**	113
Cash, cash equivalents and restricted cash at end of period	**$ 146**	$ 192
Supplemental Disclosures:		
Significant non-cash transactions:		
Accrued capital expenditures	**$ 544**	$ 455

See Notes to Condensed Consolidated Financial Statements

FINANCIAL STATEMENTS

PROGRESS ENERGY, INC.
Condensed Consolidated Statements of Changes in Equity
(Unaudited)

	Three Months Ended June 30, 2022 and 2023							
			Accumulated Other Comprehensive Loss					
(in millions)	Additional Paid-in Capital	Retained Earnings	Net Gains (Losses) on Cash Flow Hedges	Net Unrealized Gains (Losses) on Available-for-Sale Securities	Pension and OPEB Adjustments	Total Progress Energy, Inc. Stockholders' Equity	Noncontrolling Interests	Total Equity
Balance at March 31, 2022	$ 9,149	$ 10,543	$ (1)	$ (4)	$ (7)	$ 19,680	$ 2	$ 19,682
Net income	—	458	—	—	—	458	1	459
Other comprehensive loss	—	—	—	(1)	—	(1)	—	(1)
Balance at June 30, 2022	$ 9,149	$ 11,001	$ (1)	$ (5)	$ (7)	$ 20,137	$ 3	$ 20,140
Balance at March 31, 2023	$ 11,830	$ 9,944	$ (1)	$ (6)	$ (2)	$ 21,765	$ —	$ 21,765
Net income	**—**	**385**	**—**	**—**	**—**	**385**	**—**	**385**
Balance at June 30, 2023	**$ 11,830**	**$ 10,329**	**$ (1)**	**$ (6)**	**$ (2)**	**$ 22,150**	**$ —**	**$ 22,150**

	Six Months Ended June 30, 2022 and 2023							
			Accumulated Other Comprehensive Loss					
	Additional Paid-in Capital	Retained Earnings	Net Gains (Losses) on Cash Flow Hedges	Net Unrealized Gains (Losses) on Available-for-Sale Securities	Pension and OPEB Adjustments	Total Progress Energy, Inc. Stockholders' Equity	Noncontrolling Interests	Total Equity
Balance at December 31, 2021	$ 9,149	$ 8,007	$ (2)	$ (2)	$ (7)	$ 17,145	$ 3	$ 17,148
Net income	—	812	—	—	—	812	1	813
Other comprehensive income (loss)	—	—	1	(3)	—	(2)	—	(2)
Distributions to noncontrolling interests	—	—	—	—	—	—	(1)	(1)
Dividends to parent	—	(250)	—	—	—	(250)	—	(250)
Equitization of certain notes payable to affiliates	—	2,431	—	—	—	2,431	—	2,431
Other	—	1	—	—	—	1	—	1
Balance at June 30, 2022	$ 9,149	$ 11,001	$ (1)	$ (5)	$ (7)	$ 20,137	$ 3	$ 20,140
Balance at December 31, 2022	$ 11,832	$ 9,585	$ (1)	$ (8)	$ (2)	$ 21,406	$ —	$ 21,406
Net income	**—**	**744**	**—**	**—**	**—**	**744**	**—**	**744**
Other comprehensive income	**—**	**—**	**—**	**2**	**—**	**2**	**—**	**2**
Other	**(2)**	**—**	**—**	**—**	**—**	**(2)**	**—**	**(2)**
Balance at June 30, 2023	**$ 11,830**	**$ 10,329**	**$ (1)**	**$ (6)**	**$ (2)**	**$ 22,150**	**$ —**	**$ 22,150**

See Notes to Condensed Consolidated Financial Statements

DUKE ENERGY PROGRESS, LLC
Condensed Consolidated Statements of Operations and Comprehensive Income
(Unaudited)

	Three Months Ended June 30,		Six Months Ended June 30,	
(in millions)	**2023**	**2022**	**2023**	**2022**
Operating Revenues	**$ 1,425**	$ 1,581	**$ 2,958**	$ 3,213
Operating Expenses				
Fuel used in electric generation and purchased power	**489**	593	**1,034**	1,167
Operation, maintenance and other	**356**	360	**706**	751
Depreciation and amortization	**296**	271	**611**	577
Property and other taxes	**47**	41	**95**	90
Impairment of assets and other charges	**3**	4	**7**	4
Total operating expenses	**1,191**	1,269	**2,453**	2,589
Gains on Sales of Other Assets and Other, net	**1**	—	**1**	1
Operating Income	**235**	312	**506**	625
Other Income and Expenses, net	**32**	32	**61**	54
Interest Expense	**104**	90	**206**	175
Income Before Income Taxes	**163**	254	**361**	504
Income Tax Expense	**23**	35	**52**	70
Net Income and Comprehensive Income	**$ 140**	$ 219	**$ 309**	$ 434

See Notes to Condensed Consolidated Financial Statements

DUKE ENERGY PROGRESS, LLC
Condensed Consolidated Balance Sheets
(Unaudited)

(in millions)	June 30, 2023	December 31, 2022
ASSETS		
Current Assets		
Cash and cash equivalents	$ 21	$ 49
Receivables (net of allowance for doubtful accounts of $6 at 2023 and $4 at 2022)	158	167
Receivables of VIEs (net of allowance for doubtful accounts of $37 at 2023 and $40 at 2022)	694	793
Receivables from affiliated companies	30	25
Notes receivable from affiliated companies	37	—
Inventory	1,164	1,006
Regulatory assets (includes $39 at 2023 and 2022 related to VIEs)	888	690
Other (includes $25 at 2023 and $42 at 2022 related to VIEs)	61	174
Total current assets	3,053	2,904
Property, Plant and Equipment		
Cost	39,779	38,875
Accumulated depreciation and amortization	(14,598)	(14,201)
Net property, plant and equipment	25,181	24,674
Other Noncurrent Assets		
Regulatory assets (includes $662 at 2023 and $681 at 2022 related to VIEs)	4,658	4,724
Nuclear decommissioning trust funds	3,828	3,430
Operating lease right-of-use assets, net	343	370
Other	651	650
Total other noncurrent assets	9,480	9,174
Total Assets	$ 37,714	$ 36,752
LIABILITIES AND EQUITY		
Current Liabilities		
Accounts payable	$ 506	$ 601
Accounts payable to affiliated companies	250	508
Notes payable to affiliated companies	—	238
Taxes accrued	121	77
Interest accrued	120	101
Current maturities of long-term debt (includes $34 at 2023 and 2022 related to VIEs)	370	369
Asset retirement obligations	256	288
Regulatory liabilities	267	332
Other	440	384
Total current liabilities	2,330	2,898
Long-Term Debt (includes $1,096 at 2023 and $1,114 at 2022 related to VIEs)	11,521	10,568
Long-Term Debt Payable to Affiliated Companies	150	150
Other Noncurrent Liabilities		
Deferred income taxes	2,571	2,477
Asset retirement obligations	5,555	5,535
Regulatory liabilities	4,284	4,120
Operating lease liabilities	313	335
Accrued pension and other post-retirement benefit costs	155	160
Investment tax credits	128	124
Other	89	76
Total other noncurrent liabilities	13,095	12,827
Commitments and Contingencies		
Equity		
Member's Equity	10,618	10,309
Total Liabilities and Equity	$ 37,714	$ 36,752

See Notes to Condensed Consolidated Financial Statements

DUKE ENERGY PROGRESS, LLC
Condensed Consolidated Statements of Cash Flows
(Unaudited)

	Six Months Ended June 30,	
(in millions)	**2023**	**2022**
CASH FLOWS FROM OPERATING ACTIVITIES		
Net income	**$ 309**	$ 434
Adjustments to reconcile net income to net cash provided by operating activities:		
Depreciation and amortization (including amortization of nuclear fuel)	**708**	672
Equity component of AFUDC	**(27)**	(22)
Impairment of assets and other charges	**7**	4
Deferred income taxes	**32**	32
Payments for asset retirement obligations	**(106)**	(90)
Provision for rate refunds	**(24)**	(30)
(Increase) decrease in		
Net realized and unrealized mark-to-market and hedging transactions	**—**	314
Receivables	**108**	(25)
Receivables from affiliated companies	**(5)**	63
Inventory	**(158)**	(27)
Other current assets	**(146)**	(83)
Increase (decrease) in		
Accounts payable	**(33)**	(7)
Accounts payable to affiliated companies	**(258)**	32
Taxes accrued	**44**	(49)
Other current liabilities	**(21)**	(9)
Other assets	**107**	(75)
Other liabilities	**37**	9
Net cash provided by operating activities	**574**	1,143
CASH FLOWS FROM INVESTING ACTIVITIES		
Capital expenditures	**(1,193)**	(926)
Purchases of debt and equity securities	**(490)**	(887)
Proceeds from sales and maturities of debt and equity securities	**486**	882
Notes receivable from affiliated companies	**(37)**	(154)
Other	**(81)**	22
Net cash used in investing activities	**(1,315)**	(1,063)
CASH FLOWS FROM FINANCING ACTIVITIES		
Proceeds from the issuance of long-term debt	**991**	939
Payments for the redemption of long-term debt	**(39)**	(530)
Notes payable to affiliated companies	**(239)**	(172)
Distributions to parent	**—**	(250)
Other	**(1)**	(1)
Net cash provided by (used in) financing activities	**712**	(14)
Net (decrease) increase in cash, cash equivalents and restricted cash	**(29)**	66
Cash, cash equivalents and restricted cash at beginning of period	**79**	39
Cash, cash equivalents and restricted cash at end of period	**$ 50**	$ 105
Supplemental Disclosures:		
Significant non-cash transactions:		
Accrued capital expenditures	**$ 198**	$ 158

See Notes to Condensed Consolidated Financial Statements

DUKE ENERGY PROGRESS, LLC
Condensed Consolidated Statements of Changes in Equity
(Unaudited)

(in millions)	Three Months Ended June 30, 2022 and 2023 Member's Equity
Balance at March 31, 2022	$ 9,517
Net income	219
Other	(1)
Balance at June 30, 2022	$ 9,735
Balance at March 31, 2023	$ 10,478
Net income	**140**
Balance at June 30, 2023	**$ 10,618**

(in millions)	Six Months Ended June 30, 2022 and 2023 Member's Equity
Balance at December 31, 2021	$ 9,551
Net income	434
Distributions to parent	(250)
Balance at June 30, 2022	$ 9,735
Balance at December 31, 2022	$ 10,309
Net income	**309**
Balance at June 30, 2023	**$ 10,618**

See Notes to Condensed Consolidated Financial Statements

DUKE ENERGY FLORIDA, LLC
Condensed Consolidated Statements of Operations and Comprehensive Income
(Unaudited)

(in millions)	Three Months Ended June 30, 2023	Three Months Ended June 30, 2022	Six Months Ended June 30, 2023	Six Months Ended June 30, 2022
Operating Revenues	**$ 1,782**	$ 1,628	**$ 3,292**	$ 2,983
Operating Expenses				
Fuel used in electric generation and purchased power	**687**	665	**1,333**	1,155
Operation, maintenance and other	**324**	241	**537**	490
Depreciation and amortization	**245**	237	**435**	468
Property and other taxes	**126**	109	**246**	212
Impairment of assets and other charges	**(2)**	—	**(1)**	—
Total operating expenses	**1,380**	1,252	**2,550**	2,325
Gains on Sales of Other Assets and Other, net	**—**	1	**1**	2
Operating Income	**402**	377	**743**	660
Other Income and Expenses, net	**7**	40	**37**	55
Interest Expense	**87**	90	**202**	174
Income Before Income Taxes	**322**	327	**578**	541
Income Tax Expense	**64**	66	**115**	109
Net Income	**$ 258**	$ 261	**$ 463**	$ 432
Other Comprehensive (Loss) Gain, net of tax				
Unrealized (losses) gains on available-for-sale securities	**—**	(1)	**2**	(2)
Comprehensive Income	**$ 258**	$ 260	**$ 465**	$ 430

See Notes to Condensed Consolidated Financial Statements

DUKE ENERGY FLORIDA, LLC
Condensed Consolidated Balance Sheets
(Unaudited)

(in millions)	June 30, 2023	December 31, 2022
ASSETS		
Current Assets		
Cash and cash equivalents	$ 37	$ 45
Receivables (net of allowance for doubtful accounts of $9 at 2023 and $8 at 2022)	129	148
Receivables of VIEs (net of allowance for doubtful accounts of $21 at 2023 and $28 at 2022)	618	496
Receivables from affiliated companies	5	2
Inventory	653	573
Regulatory assets (includes $56 at 2023 and $55 at 2022 related to VIEs)	1,039	1,143
Other (includes $36 at 2023 and $46 at 2022 related to VIEs)	100	108
Total current assets	2,581	2,515
Property, Plant and Equipment		
Cost	27,094	25,940
Accumulated depreciation and amortization	(6,794)	(6,377)
Net property, plant and equipment	20,300	19,563
Other Noncurrent Assets		
Regulatory assets (includes $803 at 2023 and $826 at 2022 related to VIEs)	2,161	2,422
Nuclear decommissioning trust funds	405	424
Operating lease right-of-use assets, net	238	258
Other	409	372
Total other noncurrent assets	3,213	3,476
Total Assets	$ 26,094	$ 25,554
LIABILITIES AND EQUITY		
Current Liabilities		
Accounts payable	$ 572	$ 880
Accounts payable to affiliated companies	112	177
Notes payable to affiliated companies	829	605
Taxes accrued	261	53
Interest accrued	89	80
Current maturities of long-term debt (includes $382 at 2023 and $306 at 2022 related to VIEs)	1,201	328
Asset retirement obligations	1	1
Regulatory liabilities	188	244
Other	335	363
Total current liabilities	3,588	2,731
Long-Term Debt (includes $859 at 2023 and $890 at 2022 related to VIEs)	8,554	9,381
Other Noncurrent Liabilities		
Deferred income taxes	2,785	2,789
Asset retirement obligations	335	357
Regulatory liabilities	739	633
Operating lease liabilities	190	211
Accrued pension and other post-retirement benefit costs	105	111
Investment tax credits	233	234
Other	77	84
Total other noncurrent liabilities	4,464	4,419
Commitments and Contingencies		
Equity		
Member's equity	9,494	9,031
Accumulated other comprehensive loss	(6)	(8)
Total equity	9,488	9,023
Total Liabilities and Equity	$ 26,094	$ 25,554

See Notes to Condensed Consolidated Financial Statements

DUKE ENERGY FLORIDA, LLC
Condensed Consolidated Statements of Cash Flows
(Unaudited)

	Six Months Ended June 30,	
(in millions)	**2023**	**2022**
CASH FLOWS FROM OPERATING ACTIVITIES		
Net income	**$ 463**	$ 432
Adjustments to reconcile net income to net cash provided by operating activities:		
Depreciation, amortization and accretion	**556**	535
Equity component of AFUDC	**(6)**	(10)
Impairment of assets and other charges	**(1)**	—
Deferred income taxes	**(16)**	66
Payments for asset retirement obligations	**(25)**	(47)
(Increase) decrease in		
Receivables	**(103)**	(222)
Receivables from affiliated companies	**(3)**	11
Inventory	**(80)**	(4)
Other current assets	**403**	(307)
Increase (decrease) in		
Accounts payable	**(261)**	168
Accounts payable to affiliated companies	**(65)**	(62)
Taxes accrued	**208**	134
Other current liabilities	**(41)**	87
Other assets	**(23)**	(3)
Other liabilities	**(9)**	(11)
Net cash provided by operating activities	**997**	767
CASH FLOWS FROM INVESTING ACTIVITIES		
Capital expenditures	**(1,232)**	(1,018)
Purchases of debt and equity securities	**(83)**	(109)
Proceeds from sales and maturities of debt and equity securities	**121**	151
Other	**(81)**	(43)
Net cash used in investing activities	**(1,275)**	(1,019)
CASH FLOWS FROM FINANCING ACTIVITIES		
Proceeds from the issuance of long-term debt	**82**	—
Payments for the redemption of long-term debt	**(40)**	(39)
Notes payable to affiliated companies	**224**	306
Other	**(1)**	—
Net cash provided by financing activities	**265**	267
Net decrease in cash, cash equivalents and restricted cash	**(13)**	15
Cash, cash equivalents and restricted cash at beginning of period	**86**	62
Cash, cash equivalents and restricted cash at end of period	**$ 73**	$ 77
Supplemental Disclosures:		
Significant non-cash transactions:		
Accrued capital expenditures	**$ 346**	$ 297

See Notes to Condensed Consolidated Financial Statements

DUKE ENERGY FLORIDA, LLC
Condensed Consolidated Statements of Changes in Equity
(Unaudited)

	Three Months Ended June 30, 2022 and 2023		
		Accumulated Other Comprehensive Loss	
(in millions)	Member's Equity	Net Unrealized Losses on Available-for-Sale Securities	Total Equity
Balance at March 31, 2022	$ 8,469	$ (4)	$ 8,465
Net income	261	—	261
Other comprehensive loss	—	(1)	(1)
Balance at June 30, 2022	$ 8,730	$ (5)	$ 8,725
Balance at March 31, 2023	$ 9,237	$ (6)	$ 9,231
Net income	**258**	**—**	**258**
Other	**(1)**	**—**	**(1)**
Balance at June 30, 2023	**$ 9,494**	**$ (6)**	**$ 9,488**

	Six Months Ended June 30, 2022 and 2023		
		Accumulated Other Comprehensive Loss	
(in millions)	Member's Equity	Net Unrealized Gains (Losses) on Available-for-Sale Securities	Total Equity
Balance at December 31, 2021	$ 8,298	$ (3)	$ 8,295
Net income	432	—	432
Other comprehensive loss	—	(2)	(2)
Balance at June 30, 2022	$ 8,730	$ (5)	$ 8,725
Balance at December 31, 2022	$ 9,031	$ (8)	$ 9,023
Net income	**463**	**—**	**463**
Other comprehensive income	**—**	**2**	**2**
Balance at June 30, 2023	**$ 9,494**	**$ (6)**	**$ 9,488**

See Notes to Condensed Consolidated Financial Statements

DUKE ENERGY OHIO, INC.
Condensed Consolidated Statements of Operations and Comprehensive Income
(Unaudited)

	Three Months Ended June 30,		Six Months Ended June 30,	
(in millions)	**2023**	**2022**	**2023**	**2022**
Operating Revenues				
Regulated electric	**$ 465**	$ 401	**$ 939**	$ 813
Regulated natural gas	**124**	144	**359**	370
Total operating revenues	**589**	545	**1,298**	1,183
Operating Expenses				
Fuel used in electric generation and purchased power	**164**	127	**340**	254
Cost of natural gas	**20**	46	**112**	153
Operation, maintenance and other	**121**	109	**244**	287
Depreciation and amortization	**86**	83	**176**	163
Property and other taxes	**84**	92	**164**	193
Total operating expenses	**475**	457	**1,036**	1,050
Gains on Sales of Other Assets and Other, net	**—**	1	**—**	1
Operating Income	**114**	89	**262**	134
Other Income and Expenses, net	**13**	6	**21**	12
Interest Expense	**43**	30	**79**	60
Income Before Income Taxes	**84**	65	**204**	86
Income Tax Expense (Benefit)	**13**	9	**33**	(47)
Net Income and Comprehensive Income	**$ 71**	$ 56	**$ 171**	$ 133

See Notes to Condensed Consolidated Financial Statements

DUKE ENERGY OHIO, INC.
Condensed Consolidated Balance Sheets
(Unaudited)

(in millions)	June 30, 2023	December 31, 2022
ASSETS		
Current Assets		
Cash and cash equivalents	$ 8	$ 16
Receivables (net of allowance for doubtful accounts of $8 at 2023 and $6 at 2022)	89	73
Receivables from affiliated companies	180	247
Notes receivable from affiliated companies	160	—
Inventory	178	144
Regulatory assets	47	103
Other	44	86
Total current assets	706	669
Property, Plant and Equipment		
Cost	12,762	12,497
Accumulated depreciation and amortization	(3,339)	(3,250)
Net property, plant and equipment	9,423	9,247
Other Noncurrent Assets		
Goodwill	920	920
Regulatory assets	651	581
Operating lease right-of-use assets, net	17	18
Other	74	71
Total other noncurrent assets	1,662	1,590
Total Assets	$ 11,791	$ 11,506
LIABILITIES AND EQUITY		
Current Liabilities		
Accounts payable	$ 347	$ 380
Accounts payable to affiliated companies	60	72
Notes payable to affiliated companies	109	497
Taxes accrued	181	317
Interest accrued	40	29
Current maturities of long-term debt	475	475
Asset retirement obligations	12	17
Regulatory liabilities	51	99
Other	66	74
Total current liabilities	1,341	1,960
Long-Term Debt	3,491	2,745
Long-Term Debt Payable to Affiliated Companies	25	25
Other Noncurrent Liabilities		
Deferred income taxes	1,165	1,136
Asset retirement obligations	140	137
Regulatory liabilities	487	534
Operating lease liabilities	17	17
Accrued pension and other post-retirement benefit costs	93	90
Other	95	96
Total other noncurrent liabilities	1,997	2,010
Commitments and Contingencies		
Equity		
Common Stock, $8.50 par value, 120 million shares authorized; 90 million shares outstanding at 2023 and 2022	762	762
Additional paid-in capital	3,100	3,100
Retained earnings	1,075	904
Total equity	4,937	4,766
Total Liabilities and Equity	$ 11,791	$ 11,506

See Notes to Condensed Consolidated Financial Statements

FINANCIAL STATEMENTS

DUKE ENERGY OHIO, INC.
Condensed Consolidated Statements of Cash Flows
(Unaudited)

	Six Months Ended June 30,	
(in millions)	**2023**	**2022**
CASH FLOWS FROM OPERATING ACTIVITIES		
Net income	**$ 171**	$ 133
Adjustments to reconcile net income to net cash provided by operating activities:		
Depreciation and amortization	**178**	165
Equity component of AFUDC	**(3)**	(6)
Deferred income taxes	**12**	(41)
Payments for asset retirement obligations	**(5)**	(1)
Provision for rate refunds	**—**	5
(Increase) decrease in		
Receivables	**(14)**	13
Receivables from affiliated companies	**—**	(3)
Inventory	**(33)**	3
Other current assets	**105**	13
Increase (decrease) in		
Accounts payable	**(30)**	57
Accounts payable to affiliated companies	**(12)**	—
Taxes accrued	**(135)**	(95)
Other current liabilities	**(48)**	(47)
Other assets	**(19)**	(46)
Other liabilities	**(44)**	72
Net cash provided by operating activities	**123**	222
CASH FLOWS FROM INVESTING ACTIVITIES		
Capital expenditures	**(435)**	(406)
Net proceeds from the sales of other assets	**75**	—
Notes receivable from affiliated companies	**(93)**	(37)
Other	**(34)**	(25)
Net cash used in investing activities	**(487)**	(468)
CASH FLOWS FROM FINANCING ACTIVITIES		
Proceeds from the issuance of long-term debt	**749**	50
Notes payable to affiliated companies	**(388)**	199
Other	**(5)**	(1)
Net cash provided by financing activities	**356**	248
Net (decrease) increase in cash and cash equivalents	**(8)**	2
Cash and cash equivalents at beginning of period	**16**	13
Cash and cash equivalents at end of period	**$ 8**	$ 15
Supplemental Disclosures:		
Significant non-cash transactions:		
Accrued capital expenditures	**$ 120**	$ 102

See Notes to Condensed Consolidated Financial Statements

DUKE ENERGY OHIO, INC.
Condensed Consolidated Statements of Changes in Equity
(Unaudited)

	Three Months Ended June 30, 2022 and 2023			
(in millions)	Common Stock	Additional Paid-in Capital	Retained Earnings	Total Equity
Balance at March 31, 2022	$ 762	$ 3,100	$ 680	$ 4,542
Net income	—	—	56	56
Other	—	—	(1)	(1)
Balance at June 30, 2022	$ 762	$ 3,100	$ 735	$ 4,597
Balance at March 31, 2023	$ 762	$ 3,100	$ 1,004	$ 4,866
Net income	**—**	**—**	**71**	**71**
Balance at June 30, 2023	**$ 762**	**$ 3,100**	**$ 1,075**	**$ 4,937**

	Six Months Ended June 30, 2022 and 2023			
(in millions)	Common Stock	Additional Paid-in Capital	Retained Earnings	Total Equity
Balance at December 31, 2021	$ 762	$ 3,100	$ 602	$ 4,464
Net income	—	—	133	133
Balance at June 30, 2022	$ 762	$ 3,100	$ 735	$ 4,597
Balance at December 31, 2022	$ 762	$ 3,100	$ 904	$ 4,766
Net income	**—**	**—**	**171**	**171**
Balance at June 30, 2023	**$ 762**	**$ 3,100**	**$ 1,075**	**$ 4,937**

See Notes to Condensed Consolidated Financial Statements

DUKE ENERGY INDIANA, LLC
Condensed Consolidated Statements of Operations and Comprehensive Income
(Unaudited)

	Three Months Ended June 30,		Six Months Ended June 30,	
(in millions)	**2023**	**2022**	**2023**	**2022**
Operating Revenues	**$ 780**	$ 918	**$ 1,755**	$ 1,740
Operating Expenses				
Fuel used in electric generation and purchased power	**248**	359	**697**	678
Operation, maintenance and other	**180**	182	**364**	374
Depreciation and amortization	**169**	155	**327**	311
Property and other taxes	**7**	22	**25**	47
Impairment of assets and other charges	**—**	—	**—**	211
Total operating expenses	**604**	718	**1,413**	1,621
Operating Income	**176**	200	**342**	119
Other Income and Expenses, net	**14**	8	**28**	18
Interest Expense	**52**	45	**104**	90
Income Before Income Taxes	**138**	163	**266**	47
Income Tax Expense (Benefit)	**24**	14	**46**	(23)
Net Income and Comprehensive Income	**$ 114**	$ 149	**$ 220**	$ 70

See Notes to Condensed Consolidated Financial Statements

DUKE ENERGY INDIANA, LLC
Condensed Consolidated Balance Sheets
(Unaudited)

(in millions)	June 30, 2023	December 31, 2022
ASSETS		
Current Assets		
Cash and cash equivalents	$ 11	$ 31
Receivables (net of allowance for doubtful accounts of $4 at 2023 and 2022)	178	112
Receivables from affiliated companies	164	298
Inventory	593	489
Regulatory assets	97	249
Other	90	197
Total current assets	1,133	1,376
Property, Plant and Equipment		
Cost	18,514	18,121
Accumulated depreciation and amortization	(6,253)	(6,021)
Net property, plant and equipment	12,261	12,100
Other Noncurrent Assets		
Regulatory assets	896	875
Operating lease right-of-use assets, net	47	49
Other	278	254
Total other noncurrent assets	1,221	1,178
Total Assets	$ 14,615	$ 14,654
LIABILITIES AND EQUITY		
Current Liabilities		
Accounts payable	$ 291	$ 391
Accounts payable to affiliated companies	97	206
Notes payable to affiliated companies	209	435
Taxes accrued	80	92
Interest accrued	56	48
Current maturities of long-term debt	3	303
Asset retirement obligations	187	207
Regulatory liabilities	222	187
Other	179	161
Total current liabilities	1,324	2,030
Long-Term Debt	4,350	3,854
Long-Term Debt Payable to Affiliated Companies	150	150
Other Noncurrent Liabilities		
Deferred income taxes	1,323	1,299
Asset retirement obligations	737	744
Regulatory liabilities	1,523	1,454
Operating lease liabilities	45	47
Accrued pension and other post-retirement benefit costs	124	122
Investment tax credits	186	186
Other	26	65
Total other noncurrent liabilities	3,964	3,917
Commitments and Contingencies		
Equity		
Member's equity	4,826	4,702
Accumulated other comprehensive income	1	1
Total equity	4,827	4,703
Total Liabilities and Equity	$ 14,615	$ 14,654

See Notes to Condensed Consolidated Financial Statements

DUKE ENERGY INDIANA, LLC
Condensed Consolidated Statements of Cash Flows
(Unaudited)

	Six Months Ended June 30,	
(in millions)	**2023**	**2022**
CASH FLOWS FROM OPERATING ACTIVITIES		
Net income	**$ 220**	$ 70
Adjustments to reconcile net income to net cash provided by operating activities:		
Depreciation, amortization and accretion	**328**	312
Equity component of AFUDC	**(3)**	(10)
Impairment of assets and other charges	**—**	212
Deferred income taxes	**—**	(80)
Payments for asset retirement obligations	**(38)**	(31)
(Increase) decrease in		
Net realized and unrealized mark-to-market and hedging transactions	**—**	(53)
Receivables	**(81)**	21
Receivables from affiliated companies	**—**	2
Inventory	**(104)**	(23)
Other current assets	**185**	(166)
Increase (decrease) in		
Accounts payable	**(94)**	59
Accounts payable to affiliated companies	**(17)**	7
Taxes accrued	**(12)**	19
Other current liabilities	**124**	52
Other assets	**(26)**	(20)
Other liabilities	**78**	50
Net cash provided by operating activities	**560**	421
CASH FLOWS FROM INVESTING ACTIVITIES		
Capital expenditures	**(450)**	(433)
Purchases of debt and equity securities	**(44)**	(26)
Proceeds from sales and maturities of debt and equity securities	**38**	21
Notes receivable from affiliated companies	**134**	9
Other	**(39)**	(23)
Net cash used in investing activities	**(361)**	(452)
CASH FLOWS FROM FINANCING ACTIVITIES		
Proceeds from the issuance of long-term debt	**495**	67
Payments for the redemption of long-term debt	**(300)**	(53)
Notes payable to affiliated companies	**(225)**	275
Distributions to parent	**(188)**	(237)
Other	**(1)**	(1)
Net cash (used in) provided by financing activities	**(219)**	51
Net (decrease) increase in cash and cash equivalents	**(20)**	20
Cash and cash equivalents at beginning of period	**31**	6
Cash and cash equivalents at end of period	**$ 11**	$ 26
Supplemental Disclosures:		
Significant non-cash transactions:		
Accrued capital expenditures	**$ 116**	$ 94

See Notes to Condensed Consolidated Financial Statements

DUKE ENERGY INDIANA, LLC
Condensed Consolidated Statements of Changes in Equity
(Unaudited)

		Accumulated Other Comprehensive Income	
(in millions)	**Member's Equity**	**Pension and OPEB Adjustments**	**Total Equity**
Balance at March 31, 2022	$ 4,824	$ —	$ 4,824
Net income	149	—	149
Distributions to parent	(112)	—	(112)
Balance at June 30, 2022	$ 4,861	$ —	$ 4,861
Balance at March 31, 2023	$ 4,733	$ 1	$ 4,734
Net income	**114**	**—**	**114**
Distributions to parent	**(21)**	**—**	**(21)**
Balance at June 30, 2023	**$ 4,826**	**$ 1**	**$ 4,827**

		Accumulated Other Comprehensive Income	
(in millions)	**Member's Equity**	**Pension and OPEB Adjustments**	**Total Equity**
Balance at December 31, 2021	$ 5,015	$ —	$ 5,015
Net loss	70	—	70
Distributions to parent	(225)	—	(225)
Other	1	—	1
Balance at June 30, 2022	$ 4,861	$ —	$ 4,861
Balance at December 31, 2022	$ 4,702	$ 1	$ 4,703
Net income	**220**	**—**	**220**
Distributions to parent	**(96)**	**—**	**(96)**
Balance at June 30, 2023	**$ 4,826**	**$ 1**	**$ 4,827**

See Notes to Condensed Consolidated Financial Statements

PIEDMONT NATURAL GAS COMPANY, INC.
Condensed Consolidated Statements of Operations and Comprehensive Income
(Unaudited)

	Three Months Ended June 30,		Six Months Ended June 30,	
(in millions)	**2023**	**2022**	**2023**	**2022**
Operating Revenues	**$ 236**	$ 310	**$ 911**	$ 1,115
Operating Expenses				
Cost of natural gas	**59**	143	**265**	517
Operation, maintenance and other	**82**	88	**171**	183
Depreciation and amortization	**59**	56	**116**	110
Property and other taxes	**14**	15	**30**	31
Impairment of assets and other charges	**(5)**	—	**(4)**	—
Total operating expenses	**209**	302	**578**	841
Gains on Sales of Other Assets and Other, net	**—**	4	**—**	4
Operating Income	**27**	12	**333**	278
Other Income and Expenses, net	**16**	15	**32**	28
Interest Expense	**39**	34	**79**	66
Income (Loss) Before Income Taxes	**4**	(7)	**286**	240
Income Tax Expense (Benefit)	**1**	(6)	**51**	27
Net Income (Loss) and Comprehensive Income (Loss)	**$ 3**	$ (1)	**$ 235**	$ 213

See Notes to Condensed Consolidated Financial Statements

PIEDMONT NATURAL GAS COMPANY, INC.
Condensed Consolidated Balance Sheets
(Unaudited)

(in millions)	June 30, 2023	December 31, 2022
ASSETS		
Current Assets		
Receivables (net of allowance for doubtful accounts of $13 at 2023 and $14 at 2022)	$ 117	$ 436
Receivables from affiliated companies	13	11
Inventory	73	172
Regulatory assets	121	119
Other	57	4
Total current assets	381	742
Property, Plant and Equipment		
Cost	11,343	10,869
Accumulated depreciation and amortization	(2,189)	(2,081)
Facilities to be retired, net	4	9
Net property, plant and equipment	9,158	8,797
Other Noncurrent Assets		
Goodwill	49	49
Regulatory assets	401	392
Operating lease right-of-use assets, net	3	4
Investments in equity method unconsolidated affiliates	78	79
Other	280	272
Total other noncurrent assets	811	796
Total Assets	$ 10,350	$ 10,335
LIABILITIES AND EQUITY		
Current Liabilities		
Accounts payable	$ 180	$ 345
Accounts payable to affiliated companies	44	51
Notes payable to affiliated companies	104	514
Taxes accrued	30	74
Interest accrued	41	40
Current maturities of long-term debt	45	45
Regulatory liabilities	111	74
Other	66	81
Total current liabilities	621	1,224
Long-Term Debt	3,667	3,318
Other Noncurrent Liabilities		
Deferred income taxes	924	870
Asset retirement obligations	27	26
Regulatory liabilities	1,006	1,024
Operating lease liabilities	11	13
Accrued pension and other post-retirement benefit costs	6	7
Other	180	180
Total other noncurrent liabilities	2,154	2,120
Commitments and Contingencies		
Equity		
Common stock, no par value: 100 shares authorized and outstanding at 2023 and 2022	1,635	1,635
Retained earnings	2,272	2,037
Total Piedmont Natural Gas Company, Inc. stockholder's equity	3,907	3,672
Noncontrolling interests	1	1
Total equity	3,908	3,673
Total Liabilities and Equity	$ 10,350	$ 10,335

See Notes to Condensed Consolidated Financial Statements

PIEDMONT NATURAL GAS COMPANY, INC.
Condensed Consolidated Statements of Cash Flows
(Unaudited)

	Six Months Ended June 30,	
(in millions)	**2023**	**2022**
CASH FLOWS FROM OPERATING ACTIVITIES		
Net income	**$ 235**	$ 213
Adjustments to reconcile net income to net cash provided by operating activities:		
Depreciation and amortization	**117**	111
Equity component of AFUDC	**(10)**	(4)
Impairment of assets and other charges	**(4)**	—
Deferred income taxes	**33**	(4)
Equity in earnings from unconsolidated affiliates	**(4)**	(4)
Provision for rate refunds	**—**	(3)
(Increase) decrease in		
Receivables	**317**	168
Receivables from affiliated companies	**(2)**	—
Inventory	**98**	40
Other current assets	**(57)**	(63)
Increase (decrease) in		
Accounts payable	**(84)**	31
Accounts payable to affiliated companies	**(7)**	4
Taxes accrued	**(44)**	(32)
Other current liabilities	**27**	44
Other assets	**(7)**	(6)
Other liabilities	**4**	(1)
Net cash provided by operating activities	**612**	494
CASH FLOWS FROM INVESTING ACTIVITIES		
Capital expenditures	**(535)**	(385)
Contributions to equity method investments	**—**	(8)
Other	**(15)**	(9)
Net cash used in investing activities	**(550)**	(402)
CASH FLOWS FROM FINANCING ACTIVITIES		
Proceeds from the issuance of long-term debt	**348**	394
Notes payable to affiliated companies	**(410)**	(485)
Other	**—**	(1)
Net cash used in financing activities	**(62)**	(92)
Net increase in cash and cash equivalents	**—**	—
Cash and cash equivalents at beginning of period	**—**	—
Cash and cash equivalents at end of period	**$ —**	$ —
Supplemental Disclosures:		
Significant non-cash transactions:		
Accrued capital expenditures	**$ 126**	$ 124
Transfer of ownership interest of certain equity method investees to parent	**—**	—

See Notes to Condensed Consolidated Financial Statements

FINANCIAL STATEMENTS

PIEDMONT NATURAL GAS COMPANY, INC.
Condensed Consolidated Statements of Changes in Equity
(Unaudited)

	Three Months Ended June 30, 2022 and 2023				
(in millions)	**Common Stock**	**Retained Earnings**	**Total Piedmont Natural Gas Company, Inc. Equity**	**Noncontrolling Interests**	**Total Equity**
Balance at March 31, 2022	$ 1,635	$ 1,928	$ 3,563	$ —	$ 3,563
Net loss	—	(1)	(1)	—	(1)
Balance at June 30, 2022	$ 1,635	$ 1,927	$ 3,562	$ —	$ 3,562
Balance at March 31, 2023	$ 1,635	$ 2,269	$ 3,904	$ 1	$ 3,905
Net income	**—**	**3**	**3**	**—**	3
Balance at June 30, 2023	**$ 1,635**	**$ 2,272**	**$ 3,907**	**$ 1**	**$ 3,908**

	Six Months Ended June 30, 2022 and 2023				
(in millions)	**Common Stock**	**Retained Earnings**	**Total Piedmont Natural Gas Company, Inc. Equity**	**Noncontrolling Interests**	**Total Equity**
Balance at December 31, 2021	$ 1,635	$ 1,714	$ 3,349	$ —	$ 3,349
Net income	—	213	213	—	213
Balance at June 30, 2022	$ 1,635	$ 1,927	$ 3,562	$ —	$ 3,562
Balance at December 31, 2022	$ 1,635	$ 2,037	$ 3,672	$ 1	$ 3,673
Net income	**—**	**235**	**235**	**—**	**235**
Balance at June 30, 2023	**$ 1,635**	**$ 2,272**	**$ 3,907**	**$ 1**	**$ 3,908**

See Notes to Condensed Consolidated Financial Statements

Index to Combined Notes to Condensed Consolidated Financial Statements

The unaudited notes to the Condensed Consolidated Financial Statements that follow are a combined presentation. The following list indicates the registrants to which the footnotes apply.

	Applicable Notes																
Registrant	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**
Duke Energy	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•
Duke Energy Carolinas	•		•	•	•	•		•	•	•	•	•	•		•	•	•
Progress Energy	•		•	•	•	•	•	•	•	•	•	•	•		•	•	•
Duke Energy Progress	•		•	•	•	•		•	•	•	•	•	•		•	•	•
Duke Energy Florida	•		•	•	•	•		•	•	•	•	•	•		•	•	•
Duke Energy Ohio	•		•	•	•	•	•	•	•		•	•	•		•	•	•
Duke Energy Indiana	•		•	•	•	•		•	•	•	•	•	•		•	•	•
Piedmont	•		•	•	•	•	•	•	•		•		•		•	•	•

Tables within the notes may not sum across due to (i) Progress Energy's consolidation of Duke Energy Progress, Duke Energy Florida and other subsidiaries that are not registrants and (ii) subsidiaries that are not registrants but included in the consolidated Duke Energy balances.

1. ORGANIZATION AND BASIS OF PRESENTATION

BASIS OF PRESENTATION

These Condensed Consolidated Financial Statements have been prepared in accordance with GAAP for interim financial information and with the instructions to Form 10-Q and Regulation S-X. Accordingly, these Condensed Consolidated Financial Statements do not include all information and notes required by GAAP for annual financial statements and should be read in conjunction with the Consolidated Financial Statements in the Duke Energy's Annual Report on Form 10-K for the year ended December 31, 2022.

The information in these combined notes relates to each of the Duke Energy Registrants as noted in the Index to Combined Notes to Condensed Consolidated Financial Statements. However, none of the registrants make any representations as to information related solely to Duke Energy or the subsidiaries of Duke Energy other than itself.

These Condensed Consolidated Financial Statements, in the opinion of the respective companies' management, reflect all normal recurring adjustments necessary to fairly present the financial position and results of operations of each of the Duke Energy Registrants. Amounts reported in Duke Energy's interim Condensed Consolidated Statements of Operations and each of the Subsidiary Registrants' interim Condensed Consolidated Statements of Operations and Comprehensive Income are not necessarily indicative of amounts expected for the respective annual periods due to effects of seasonal temperature variations on energy consumption, regulatory rulings, timing of maintenance on electric generating units, changes in mark-to-market valuations, changing commodity prices and other factors.

In preparing financial statements that conform to GAAP, management must make estimates and assumptions that affect the reported amounts of assets and liabilities, the reported amounts of revenues and expenses and the disclosure of contingent assets and liabilities at the date of the financial statements. Actual results could differ from those estimates.

BASIS OF CONSOLIDATION

These Condensed Consolidated Financial Statements include, after eliminating intercompany transactions and balances, the accounts of the Duke Energy Registrants and subsidiaries or VIEs where the respective Duke Energy Registrants have control. See Note 12 for additional information on VIEs. These Condensed Consolidated Financial Statements also reflect the Duke Energy Registrants' proportionate share of certain jointly owned generation and transmission facilities.

Discontinued Operations

Duke Energy has elected to present cash flows of discontinued operations combined with cash flows of continuing operations. Unless otherwise noted, the notes to these condensed consolidated financial statements exclude amounts related to discontinued operations for all periods presented. For the six months ended June 30, 2023, and 2022, the Loss From Discontinued Operations, net of tax on Duke Energy's Condensed Consolidated Statements of Operations includes amounts related to noncontrolling interests. A portion of Noncontrolling interests on Duke Energy's Condensed Consolidated Balance Sheets relates to discontinued operations for the periods presented. See Note 2 for discussion of discontinued operations related to the Commercial Renewables Disposal Groups.

NONCONTROLLING INTEREST

Duke Energy maintains a controlling financial interest in certain less than wholly owned subsidiaries. As a result, Duke Energy consolidates these subsidiaries and presents the third-party investors' portion of Duke Energy's net income (loss), net assets and comprehensive income (loss) as noncontrolling interest. Noncontrolling interest is included as a component of equity on the Condensed Consolidated Balance Sheets. Operating agreements of Duke Energy's subsidiaries with noncontrolling interest allocate profit and loss based on their pro rata shares of the ownership interest in the respective subsidiary. Therefore, Duke Energy allocates net income or loss and other comprehensive income or loss of these subsidiaries to the owners based on their pro rata shares.

CASH, CASH EQUIVALENTS AND RESTRICTED CASH

Duke Energy, Duke Energy Carolinas, Progress Energy, Duke Energy Progress and Duke Energy Florida have restricted cash balances related primarily to collateral assets, escrow deposits and VIEs. See Notes 10 and 12 for additional information. Restricted cash amounts are included in Other within Current Assets and Other Noncurrent Assets on the Condensed Consolidated Balance Sheets. The following table presents the components of cash, cash equivalents and restricted cash included in the Condensed Consolidated Balance Sheets.

	June 30, 2023					December 31, 2022				
	Duke Energy	Duke Energy Carolinas	Progress Energy	Duke Energy Progress	Duke Energy Florida	Duke Energy[(a)]	Duke Energy Carolinas	Progress Energy	Duke Energy Progress	Duke Energy Florida
Current Assets										
Cash and cash equivalents	**$ 377**	**$ 20**	**$ 77**	**$ 21**	**$ 37**	$ 409	$ 44	$ 108	$ 49	$ 45
Other	**73**	**8**	**65**	**25**	**36**	82	8	74	28	41
Other Noncurrent Assets										
Other	**11**	**1**	**4**	**4**	**—**	11	1	2	2	—
Total cash, cash equivalents and restricted cash	**$ 461**	**$ 29**	**$ 146**	**$ 50**	**$ 73**	$ 502	$ 53	$ 184	$ 79	$ 86

(a) Certain prior year balances have been adjusted for held for sale presentation. See Note 2 for additional information.

INVENTORY

Provisions for inventory write-offs were not material at June 30, 2023, and December 31, 2022. The components of inventory are presented in the tables below.

	June 30, 2023							
(in millions)	Duke Energy	Duke Energy Carolinas	Progress Energy	Duke Energy Progress	Duke Energy Florida	Duke Energy Ohio	Duke Energy Indiana	Piedmont
Materials and supplies	**$ 2,924**	**$ 1,012**	**$ 1,359**	**$ 905**	**$ 454**	**$ 131**	**$ 372**	**$ 14**
Coal	**850**	**345**	**251**	**149**	**102**	**35**	**219**	**—**
Natural gas, oil and other fuel	**326**	**46**	**207**	**110**	**97**	**12**	**2**	**59**
Total inventory	**$ 4,100**	**$ 1,403**	**$ 1,817**	**$ 1,164**	**$ 653**	**$ 178**	**$ 593**	**$ 73**

	December 31, 2022							
(in millions)	Duke Energy	Duke Energy Carolinas	Progress Energy	Duke Energy Progress	Duke Energy Florida	Duke Energy Ohio	Duke Energy Indiana	Piedmont
Materials and supplies	$ 2,604	$ 876	$ 1,232	$ 819	$ 413	$ 105	$ 342	$ 12
Coal	620	253	190	99	91	34	144	—
Natural gas, oil and other fuel	360	35	157	88	69	5	3	160
Total inventory	$ 3,584	$ 1,164	$ 1,579	$ 1,006	$ 573	$ 144	$ 489	$ 172

OTHER NONCURRENT ASSETS

Duke Energy, through a nonregulated subsidiary, was the winner of the Carolina Long Bay offshore wind auction in May 2022 and recorded an asset of $150 million related to the arrangement in Other within Other noncurrent assets. In November 2022, Duke Energy committed to a plan to sell the Commercial Renewables business segment, excluding the offshore wind contract for Carolina Long Bay, which was moved to the Electric Utilities and Infrastructure (EU&I) segment. See Notes 2 and 3 for further information.

ACCOUNTS PAYABLE

Duke Energy maintains a supply chain finance program (the “program”) with a global financial institution. The program is voluntary and allows Duke Energy suppliers, at their sole discretion, to sell their receivables from Duke Energy to the financial institution at a rate that leverages Duke Energy’s credit rating and which may result in favorable terms compared to the rate available to the supplier on their own credit rating. Suppliers participating in the program determine at their sole discretion which invoices they will sell to the financial institution. Duke Energy confirms invoices sold by suppliers under the program to the financial institution and pays the financial institution based on commercial terms negotiated between Duke Energy and the supplier regardless of program participation. Suppliers’ decisions on which invoices are sold do not impact Duke Energy’s payment terms. The commercial terms negotiated between Duke Energy and its suppliers are consistent regardless of whether the supplier elects to participate in the program. Duke Energy does not issue any guarantees with respect to the program and does not participate in negotiations between suppliers and the financial institution. Duke Energy does not have an economic interest in the supplier’s decision to participate in the program and receives no interest, fees or other benefit from the financial institution based on supplier participation in the program.

The following table represents the changes in confirmed obligations outstanding for the three and six months ended June 30, 2023, and 2022.

	Three months ended June 30, 2022 and 2023							
(in millions)	Duke Energy	Duke Energy Carolinas	Progress Energy	Duke Energy Progress	Duke Energy Florida	Duke Energy Ohio	Duke Energy Indiana	Piedmont
Confirmed obligations outstanding at the March 31, 2022	$ 19	$ 1	$ 9	$ 1	$ 8	$ 4	$ 1	$ 5
Invoices confirmed during the period	64	12	20	8	12	9	(1)	23
Confirmed invoices paid during the period	(37)	(4)	(18)	(6)	(12)	(4)	—	(11)
Confirmed obligations outstanding at June 30, 2022	$ 46	$ 9	$ 11	$ 3	$ 8	$ 9	$ —	$ 17
Confirmed obligations outstanding at the March 31, 2023	$ 52	$ 7	$ 15	$ 6	$ 9	$ —	$ —	$ 29
Invoices confirmed during the period	**55**	**10**	**20**	**12**	**8**	**2**	**—**	**24**
Confirmed invoices paid during the period	**(67)**	**(12)**	**(21)**	**(6)**	**(15)**	**—**	**—**	**(34)**
Confirmed obligations outstanding at June 30, 2023	**$ 40**	**$ 5**	**$ 14**	**$ 12**	**$ 2**	**$ 2**	**$ —**	**$ 19**

	Six months ended June 30, 2022 and 2023							
(in millions)	Duke Energy	Duke Energy Carolinas	Progress Energy	Duke Energy Progress	Duke Energy Florida	Duke Energy Ohio	Duke Energy Indiana	Piedmont
Confirmed obligations outstanding at the December 31, 2021	$ 19	$ —	$ 9	$ —	$ 9	$ 6	$ —	$ 4
Invoices confirmed during the period	95	14	31	10	21	15	1	34
Confirmed invoices paid during the period	(68)	(5)	(29)	(7)	(22)	(12)	(1)	(21)
Confirmed obligations outstanding at June 30, 2022	$ 46	$ 9	$ 11	$ 3	$ 8	$ 9	$ —	$ 17
Confirmed obligations outstanding at the December 31, 2022	$ 87	$ 6	$ 19	$ 8	$ 11	$ 5	$ —	$ 57
Invoices confirmed during the period	**114**	**20**	**42**	**23**	**19**	**3**	**—**	**49**
Confirmed invoices paid during the period	**(161)**	**(21)**	**(47)**	**(19)**	**(28)**	**(6)**	**—**	**(87)**
Confirmed obligations outstanding at June 30, 2023	**$ 40**	**$ 5**	**$ 14**	**$ 12**	**$ 2**	**$ 2**	**$ —**	**$ 19**

NEW ACCOUNTING STANDARDS

No new accounting standards were adopted by the Duke Energy Registrants in 2023.

2. DISPOSITIONS

Sale of Commercial Renewables Segment

In August 2022, Duke Energy announced a strategic review of its commercial renewables business. Since 2007, Duke Energy has built a portfolio of commercial wind, solar and battery projects across the U.S., and established a development pipeline. Duke Energy has developed a strategy to focus on renewables, grid and other investment opportunities within its regulated operations. In November 2022, Duke Energy committed to a plan to sell the Commercial Renewables business segment, excluding the offshore wind contract for Carolina Long Bay, which was moved to the EU&I segment. In June 2023, Duke Energy announced that it had entered into a purchase and sale agreement with affiliates of Brookfield for the sale of the utility-scale solar and wind group for expected proceeds of $1.1 billion, subject to closing adjustments, with approximately half of the proceeds due at closing and the remainder due 18 months after closing. In July 2023, Duke Energy announced that it had entered into a purchase and sale agreement with affiliates of ArcLight for the distributed generation group for expected proceeds of $259 million, subject to closing adjustments, with proceeds due at closing. Both transactions are expected to close by the end of 2023. In March 2023, assets for certain projects were removed from the utility-scale solar and wind group and placed in a separate disposal group. The disposal processes for the remaining assets is ongoing and Duke Energy still expects to dispose of these assets in the second half of 2023.

Assets Held For Sale and Discontinued Operations

The utility-scale solar and wind group, the distributed generation group and the remaining assets (collectively, Commercial Renewables Disposal Groups) were classified as held for sale and as discontinued operations in the fourth quarter of 2022. Originally debt and the related restricted cash and interest rate swaps were not expected to transfer to a buyer but during the marketing process it was determined they would be included with the sale and were classified as held for sale in March 2023. As a result, adjustments were made to the December 31, 2022, Consolidated Balance Sheet to present debt and the related restricted cash and interest rate swaps as held for sale. No adjustments were made to the historical activity within the Consolidated Statements of Comprehensive Income, Consolidated Statements of Cash Flows or the Consolidated Statements of Changes in Equity. Unless otherwise noted, the notes to these consolidated financial statements exclude amounts related to discontinued operations for all periods presented.

No interest from corporate level debt was allocated to discontinued operations.

The following table presents the carrying values of the major classes of Assets held for sale and Liabilities associated with assets held for sale included in Duke Energy's Consolidated Balance Sheets.

(in millions)	June 30, 2023	December 31, 2022
Current Assets Held for Sale		
Cash and cash equivalents	$ 28	$ 10
Receivables, net	124	107
Inventory	87	88
Other	151	151
Total current assets held for sale	390	356
Noncurrent Assets Held for Sale		
Property, Plant and Equipment		
Cost	5,343	6,444
Accumulated depreciation and amortization	(1,651)	(1,651)
Net property, plant and equipment	3,692	4,793
Operating lease right-of-use assets, net	144	140
Investments in equity method unconsolidated affiliates	509	522
Other	216	179
Total other noncurrent assets held for sale	869	841
Total Assets Held for Sale	$ 4,951	$ 5,990
Current Liabilities Associated with Assets Held for Sale		
Accounts payable	$ 80	$ 122
Taxes accrued	16	17
Current maturities of long-term debt	277	276
Other	202	120
Total current liabilities associated with assets held for sale	575	535
Noncurrent Liabilities Associated with Assets Held for Sale		
Long-Term debt	1,108	1,188
Operating lease liabilities	153	150
Asset retirement obligations	197	190
Other	262	399
Total other noncurrent liabilities associated with assets held for sale	1,720	1,927
Total Liabilities Associated with Assets Held for Sale	$ 2,295	$ 2,462

As of June 30, 2023, and December 31, 2022, the noncontrolling interest balance is $1.8 billion and $1.6 billion, respectively.

The following table presents the results of the Commercial Renewables Disposal Groups, which are included in Loss from Discontinued Operations, net of tax in Duke Energy's Consolidated Statements of Operations.

	Three Months Ended June 30,		Six Months Ended June 30,	
(in millions)	2023	2022	2023	2022
Operating revenues	$ 110	$ 122	$ 190	$ 243
Operation, maintenance and other	88	82	177	163
Depreciation and amortization[(a)]	—	64	—	128
Property and other taxes	9	11	19	21
Other income and expenses, net	(3)	(3)	(7)	(3)
Interest expense	12	18	43	37
Loss on disposal	1,214	—	1,434	—
Loss before income taxes	(1,216)	(56)	(1,490)	(109)
Income tax benefit	(261)	(38)	(326)	(76)
Loss from discontinued operations	$ (955)	$ (18)	$ (1,164)	$ (33)
Add: Net loss attributable to noncontrolling interest included in discontinued operations	7	45	71	72
Net (loss) income from discontinued operations attributable to Duke Energy Corporation	$ (948)	$ 27	$ (1,093)	$ 39

(a) Upon meeting the criteria for assets held for sale, beginning in November 2022 depreciation and amortization expense were ceased.

The Commercial Renewables Disposal Groups' held for sale assets reflected pretax impairments of approximately $1.7 billion as of December 31, 2022, and an incremental pretax impairment of $220 million as of March 31, 2023. The final purchase and sale agreements were signed with Brookfield in June 2023 for the utility-scale solar and wind group and with ArcLight in July 2023 for the distributed generation group, and accordingly, in the second quarter of 2023, pretax impairments of approximately $1.2 billion were recorded to write-down the carrying amount of property, plant and equipment assets to the estimated fair value of the business, based on the expected selling price less estimated costs to sell. The impairments were included in Loss from Discontinued Operations, net of tax, in Duke Energy's Condensed Consolidated Statements of Operations and Comprehensive Income for the periods presented. The fair value was primarily determined from purchase and sale agreements for the utility scale and distributed generation groups and discounted cash flow analysis for the remainder of the assets. The discounted cash flow model utilized Level 2 and Level 3 inputs. The fair value hierarchy levels are further discussed in Note 11. For utility scale and distributed generation groups, the impairment will be updated, if necessary, based on customary adjustments at closing, including variances in working capital compared to target amounts, and post-closing adjustments for variances in capital expenditures and third-party tax equity financing for development projects compared to target amounts. The impairment for the remaining assets will be updated, if necessary, based on market changes or the final sales prices.

Duke Energy has elected not to separately disclose discontinued operations on Duke Energy's Consolidated Statements of Cash Flows. The following table summarizes Duke Energy's cash flows from discontinued operations related to the Commercial Renewables Disposal Groups.

	Six Months Ended June 30,	
(in millions)	**2023**	**2022**
Cash flows provided by (used in):		
Operating activities	**$ 274**	$ 212
Investing activities	**(417)**	(223)

Other Sale-Related Matters

Duke Energy (Parent) and several Duke Energy renewables project companies, located in the ERCOT market, were named in several lawsuits arising out of Texas Storm Uri, which occurred in February 2021. The legal actions related to renewables project companies in this matter will transfer to affiliates of Brookfield, and the plaintiffs have represented to the court that they will dismiss Duke Energy (Parent) from all cases. See Note 5 for more information.

As part of the purchase and sale agreement for the distributed generation group, Duke Energy has agreed to retain certain guarantees, with expiration dates between 2029 through 2034, related to tax equity partners' assets and operations that will be disposed of via sale. Duke Energy has obtained certain guarantees from the buyers in regards to future performance obligations to assist in limiting Duke Energy's exposure under the retained guarantees. The fair value of the guarantees is immaterial as Duke Energy does not believe conditions are likely for performance under these guarantees.

3. BUSINESS SEGMENTS

Duke Energy

Due to Duke Energy's commitment in the fourth quarter of 2022 to sell the Commercial Renewables business segment, Duke Energy's segment structure now includes the following two segments: EU&I and GU&I. Prior period information has been recast to conform to the current segment structure. See Note 2 for further information on the Commercial Renewables Disposal Groups.

The EU&I segment primarily includes Duke Energy's regulated electric utilities in the Carolinas, Florida and the Midwest. EU&I also includes Duke Energy's electric transmission infrastructure investments and the offshore wind contract for Carolina Long Bay. Refer to Note 2 for further information.

The GU&I segment includes Piedmont, Duke Energy's natural gas local distribution companies in Ohio and Kentucky and Duke Energy's natural gas storage, midstream pipeline and renewable natural gas investments.

The remainder of Duke Energy’s operations is presented as Other, which is primarily comprised of interest expense on holding company debt, unallocated corporate costs, Duke Energy’s wholly owned captive insurance company, Bison, and Duke Energy's ownership interest in National Methanol Company.

Business segment information is presented in the following tables. Segment assets presented exclude intercompany assets.

	Three Months Ended June 30, 2023					
(in millions)	Electric Utilities and Infrastructure	Gas Utilities and Infrastructure	Total Reportable Segments	Other	Eliminations	Total
Unaffiliated revenues	$ 6,232	$ 337	$ 6,569	$ 9	$ —	$ 6,578
Intersegment revenues	18	22	40	25	(65)	—
Total revenues	$ 6,250	$ 359	$ 6,609	$ 34	$ (65)	$ 6,578
Segment income (loss)	$ 850	$ 25	$ 875	$ (161)	$ —	$ 714
Less: Noncontrolling interests						(16)
Add: Preferred stock dividend						14
Discontinued operations						(948)
Net Loss						$ (204)
Segment assets[(a)]	$ 154,983	$ 16,385	$ 171,368	$ 8,708	$ —	$ 180,076

	Three Months Ended June 30, 2022					
(in millions)	Electric Utilities and Infrastructure	Gas Utilities and Infrastructure	Total Reportable Segments	Other	Eliminations	Total
Unaffiliated revenues	$ 6,126	$ 430	$ 6,556	$ 8	$ —	$ 6,564
Intersegment revenues	9	23	32	23	(55)	—
Total revenues	$ 6,135	$ 453	$ 6,588	$ 31	$ (55)	$ 6,564
Segment income (loss)	$ 974	$ 19	$ 993	$ (126)	$ (1)	$ 866
Less: Noncontrolling interests						27
Add: Preferred stock dividend						14
Discontinued operations						27
Net Income						$ 880

(a) Other includes Assets Held for Sale balances related to the Commercial Renewables Disposal Groups. Refer to Note 2 for further information.

	Six Months Ended June 30, 2023					
(in millions)	Electric Utilities and Infrastructure	Gas Utilities and Infrastructure	Total Reportable Segments	Other	Eliminations	Total
Unaffiliated revenues	$ 12,613	$ 1,225	$ 13,838	$ 16	$ —	$ 13,854
Intersegment revenues	35	45	80	49	(129)	—
Total revenues	$ 12,648	$ 1,270	$ 13,918	$ 65	$ (129)	$ 13,854
Segment income (loss)	$ 1,641	$ 312	$ 1,953	$ (329)	$ —	$ 1,624
Less: Noncontrolling interests						27
Add: Preferred stock dividend						53
Discontinued operations						(1,093)
Net Income						$ 557

	Six Months Ended June 30, 2022					
(in millions)	Electric Utilities and Infrastructure	Gas Utilities and Infrastructure	Total Reportable Segments	Other	Eliminations	Total
Unaffiliated revenues	$ 12,121	$ 1,439	$ 13,560	$ 15	$ —	$ 13,575
Intersegment revenues	16	46	62	46	(108)	—
Total revenues	$ 12,137	$ 1,485	$ 13,622	$ 61	$ (108)	$ 13,575
Segment income (loss)[(a)]	$ 1,697	$ 273	$ 1,970	$ (297)	$ (1)	$ 1,672
Less: Noncontrolling interests						64
Add: Preferred stock dividend						53
Discontinued operations						39
Net Income						$ 1,700

(a) EU&I includes $211 million recorded within Impairment of assets and other charges, $46 million within Operating revenues and $20 million within Noncontrolling Interests on the Condensed Consolidated Statements of Operations related to a Duke Energy Indiana Supreme Court ruling. See Note 4 for additional information.

Duke Energy Ohio

Duke Energy Ohio has two reportable segments, EU&I and GU&I. The remainder of Duke Energy Ohio's operations is presented as Other.

	Three Months Ended June 30, 2023					
(in millions)	Electric Utilities and Infrastructure	Gas Utilities and Infrastructure	Total Reportable Segments	Other	Eliminations	Total
Total revenues	**$ 465**	**$ 124**	**$ 589**	**$ —**	**$ —**	**$ 589**
Segment income (loss)/Net income	**$ 54**	**$ 18**	**$ 72**	**$ (1)**	**$ —**	**$ 71**
Segment assets	**$ 7,683**	**$ 4,111**	**$ 11,794**	**$ 10**	**$ (13)**	**$ 11,791**

	Three Months Ended June 30, 2022				
(in millions)	Electric Utilities and Infrastructure	Gas Utilities and Infrastructure	Total Reportable Segments	Other	Total
Total revenues	$ 401	$ 144	$ 545	$ —	$ 545
Segment income/Net income	$ 37	$ 19	$ 56	$ —	$ 56

	Six Months Ended June 30, 2023				
(in millions)	Electric Utilities and Infrastructure	Gas Utilities and Infrastructure	Total Reportable Segments	Other	Total
Total revenues	**$ 939**	**$ 359**	**$ 1,298**	**$ —**	**$ 1,298**
Segment income (loss)/Net income	**$ 103**	**$ 70**	**$ 173**	**$ (2)**	**$ 171**

	Six Months Ended June 30, 2022				
(in millions)	Electric Utilities and Infrastructure	Gas Utilities and Infrastructure	Total Reportable Segments	Other	Total
Total revenues	$ 813	$ 370	$ 1,183	$ —	$ 1,183
Segment income (loss)/Net income	$ 78	$ 57	$ 135	$ (2)	$ 133

4. REGULATORY MATTERS

RATE-RELATED INFORMATION

The NCUC, PSCSC, FPSC, IURC, PUCO, TPUC and KPSC approve rates for retail electric and natural gas services within their states. The FERC approves rates for electric sales to wholesale customers served under cost-based rates (excluding Ohio and Indiana), as well as sales of transmission service. The FERC also regulates certification and siting of new interstate natural gas pipeline projects.

Duke Energy Carolinas and Duke Energy Progress

Nuclear Station Subsequent License Renewal

On June 7, 2021, Duke Energy Carolinas filed a subsequent license renewal (SLR) application for the Oconee Nuclear Station (ONS) with the U.S. Nuclear Regulatory Commission (NRC) to renew ONS's operating license for an additional 20 years. The SLR would extend operations of the facility from 60 to 80 years. The current licenses for units 1 and 2 expire in 2033 and the license for unit 3 expires in 2034. By a Federal Register Notice dated July 28, 2021, the NRC provided a 60-day comment period for persons whose interest may be affected by the issuance of a subsequent renewed license for ONS to file a request for a hearing and a petition for leave to intervene. On September 27, 2021, Beyond Nuclear and Sierra Club (Petitioners) filed a Hearing Request and Petition to Intervene (Hearing Request) and a Petition for Waiver. The Hearing Request proposed three contentions and claimed that Duke Energy Carolinas did not satisfy the National Environmental Policy Act (NEPA) of 1969, as amended, or the NRC's NEPA-implementing regulations. Following Duke Energy Carolinas' answer and the Petitioners' reply, on February 11, 2022, the Atomic Safety and Licensing Board (ASLB) issued its decision on the Hearing Request and found that the Petitioners failed to establish that the proposed contentions are litigable. The ASLB also denied the Petitioners' Petition for Waiver and terminated the proceeding.

On February 24, 2022, the NRC issued a decision in the SLR appeal related to Florida Power and Light's Turkey Point nuclear generating station in Florida. The NRC ruled that the NRC's license renewal Generic Environmental Impact Statement (GEIS) does not apply to SLR because the GEIS does not address SLR. The decision overturned a 2020 NRC decision that found the GEIS applies to SLR. Although Turkey Point is not owned or operated by a Duke Energy Registrant, the NRC's order applies to all SLR applicants, including ONS. The NRC order also indicated no subsequent renewed licenses will be issued until the NRC staff has completed an adequate NEPA review for each application. On April 5, 2022, the NRC approved a 24-month rulemaking plan that will enable the NRC staff to complete an adequate NEPA review. Although an SLR applicant may wait until the rulemaking is completed, the NRC also noted that an applicant may submit a supplement to its environmental report providing information on environmental impacts during the SLR period prior to the rulemaking being completed. On November 7, 2022, Duke Energy Carolinas submitted a supplement to its environmental report addressing environmental impacts during the SLR period. On December 19, 2022, the NRC published a notice in the Federal Register that the NRC will conduct a limited scoping process to gather additional information necessary to prepare an environmental impact statement (EIS) to evaluate the environmental impacts at ONS during the SLR period. The NRC received comments from the EPA and the Petitioners and these comments identify 18 potential impacts that should be considered by the NRC in the EIS, which include, but are not limited to, climate change and flooding, environmental justice, severe accidents, and external events. Currently, the NRC expects to publish a draft EIS in October 2023.

On December 19, 2022, the NRC issued the Safety Evaluation Report (SER) for the safety portion of the SLR application. The NRC determined Duke Energy Carolinas met the requirements of the applicable regulations and identified actions that have been taken or will be taken to manage the effects of aging and address time-limited analyses. Duke Energy Carolinas and the NRC met with the Advisory Committee on Reactor Safeguards (ACRS) on February 2, 2023, to discuss issues regarding the SER and SLR application. On February 25, 2023, the ACRS issued a report to the NRC on the safety aspects of the ONS SLR application, which concluded that the established programs and commitments made by Duke Energy Carolinas to manage age-related degradation provide confidence that ONS can be operated in accordance with its current licensing basis for the subsequent period of extended operation without undue risk to the health and safety of the public and the SLR application for ONS should be approved.

Although the NRC's GEIS applicability decision will delay completion of the SLR proceeding, Duke Energy Carolinas does not believe it changes the probability that the ONS subsequent renewed licenses will ultimately be issued, although Duke Energy Carolinas cannot guarantee the outcome of the license application process.

Duke Energy Carolinas and Duke Energy Progress intend to seek renewal of operating licenses and 20-year license extensions for all of their nuclear stations. New depreciation rates were implemented for all of the nuclear facilities during the second quarter of 2021. Duke Energy Carolinas and Duke Energy Progress cannot predict the outcome of these additional relicensing proceedings.

Duke Energy Carolinas

2023 North Carolina Rate Case

On January 19, 2023, Duke Energy Carolinas filed a PBR application with the NCUC to request an increase in base rate retail revenues. The PBR Application includes an MYRP to recover projected capital investments during the three-year MYRP period. In addition to the MYRP, the PBR Application includes an Earnings Sharing Mechanism, Residential Decoupling Mechanism and Performance Incentive Mechanisms (PIMS) as required by HB 951. The application as originally filed requested an overall retail revenue increase of $501 million in Year 1, $172 million in Year 2 and $150 million in Year 3, for a combined total of $823 million, or 15.7%, by early 2026. The rate increase is driven primarily by major transmission and distribution investments since the last rate case and projected in the MYRP, as well as investments in energy storage and solar assets included in the MYRP consistent with the Carolinas Carbon Plan (Carbon Plan). Public Staff and intervenor testimony was filed on July 19, 2023, and Duke Energy Carolinas' rebuttal testimony was filed on August 4, 2023. Duke Energy Carolinas plans to implement interim rates, subject to refund, on September 1, 2023, and has requested permanent rates be effective by January 1, 2024. The evidentiary hearing has been scheduled to begin on August 28, 2023. Duke Energy Carolinas expects a decision on its application in this case in the fourth quarter of this year. Duke Energy Carolinas cannot predict the outcome of this matter.

Duke Energy Progress

2022 North Carolina Rate Case

On October 6, 2022, Duke Energy Progress filed a PBR application with the NCUC to request an increase in base rate retail revenues. The rate request before the NCUC includes an MYRP to recover projected capital investments during the three-year MYRP period. In addition to the MYRP, the PBR Application includes an Earnings Sharing Mechanism, Residential Decoupling Mechanism and PIMs as required by HB 951. The overall retail revenue increase as originally filed would be $326 million in Year 1, $151 million in Year 2 and $138 million in Year 3, for a combined total of $615 million, or 16%, by late 2025. The rate increase is driven primarily by major transmission and distribution investments since the last rate case and projected in the MYRP, as well as investments in energy storage and solar assets included in the MYRP consistent with the Carbon Plan. Duke Energy Progress implemented interim rates, subject to refund, on June 1, 2023, and has requested permanent rates be effective by October 1, 2023.

Testimony was filed by various parties on March 27, 2023, and Duke Energy Progress rebuttal testimony was filed on April 14, 2023. On April 26, 2023, Duke Energy Progress filed a partial settlement with Public Staff, which includes agreement on many aspects of Duke Energy Progress' three-year MYRP proposal. In May 2023, the Carolina Industrial Group for Fair Utility Rates II (CIGFUR) joined this partial settlement and Public Staff and CIGFUR filed a separate settlement reaching agreement on PIMs, Tracking Metrics and the residential decoupling mechanism under the PBR application. The key unsettled issues to be determined by the NCUC include the return on equity, capital structure, recovery of the COVID-19 cost deferral and treatment of certain regulatory asset and liability amortizations. The evidentiary hearings began on May 4, 2023, and continued through May 16, 2023. Post-hearing briefs and proposed orders were filed on June 9, 2023. However, the hearing was held open in order to allow Public Staff to complete its audit of the March 2023 capital update. On June 27, 2023, Duke Energy Progress and Public Staff filed a supplemental settlement to resolve disputed issues regarding the March capital update. The hearing was reopened on July 24, 2023, to allow the supplemental settlement into the record and to give parties an opportunity to be heard concerning the settlement and related issues. Supplemental briefing solely on these narrow issues was filed on July 31, 2023. Duke Energy Progress' proposed revenue requirement in the case, as adjusted for supplemental updates and the partial settlement, is $320 million in Year 1, $127 million in Year 2 and $140 million in Year 3, for a combined total of $587 million, or 15%, by late 2025. Duke Energy Progress expects a decision on its application in this case in the third quarter of this year. Duke Energy Progress cannot predict the outcome of this matter.

2023 South Carolina Storm Securitization

On May 31, 2023, Duke Energy Progress filed a petition with the PSCSC requesting authorization for the financing of Duke Energy Progress' storm recovery costs in the amount of approximately $171 million, through securitization, due to storm recovery activities required as a result of the following storms: Pax, Ulysses, Matthew, Florence, Michael, Dorian, Izzy and Jasper. On June 9, 2023, the PSCSC issued a procedural schedule that sets the hearing date for the petition for September 6, 2023. Testimony was filed by various parties in July 2023. Duke Energy Progress cannot predict the outcome of this matter.

2022 South Carolina Rate Case

On September 1, 2022, Duke Energy Progress filed an application with the PSCSC to request an increase in base rate retail revenues. On January 12, 2023, Duke Energy Progress and the ORS, as well as other consumer, environmental, and industrial intervening parties, filed a comprehensive Agreement and Stipulation of Settlement resolving all issues in the base rate proceeding. The major components of the stipulation include:

- A $52 million annual customer rate increase prior to the reduction from the accelerated return to customers of federal unprotected Property, Plant and Equipment related EDIT. After extending the remaining EDIT giveback to customers to 33 months, the net annual retail rate increase is approximately $36 million.
- ROE of 9.6% based on a capital structure of 52.43% equity and 47.57% debt.
- Continuation of deferral treatment of coal ash basin closure costs. Supports an amortization period for remaining coal ash closure costs in this rate case of seven years. Duke Energy Progress agreed not to seek recovery of approximately $50 million of deferred coal ash expenditures related to retired sites in this rate case (South Carolina retail allocation).
- Acceptance of the 2021 Depreciation Study as proposed in this case, as adjusted for certain recommendations from ORS and includes accelerated retirement dates for certain coal units as originally proposed.
- Establishment of a storm reserve to help offset the costs of major storms.

The PSCSC held a hearing on January 17, 2023, to consider evidence supporting the stipulation and unanimously voted to approve the comprehensive agreement on February 9, 2023. A final written order was issued on March 8, 2023. New rates went into effect April 1, 2023.

Duke Energy Florida

2021 Settlement Agreement

On January 14, 2021, Duke Energy Florida filed a Settlement Agreement (the “2021 Settlement”) with the FPSC. The parties to the 2021 Settlement include Duke Energy Florida, the Office of Public Counsel (OPC), the Florida Industrial Power Users Group, White Springs Agricultural Chemicals, Inc. d/b/a PCS Phosphate and NUCOR Steel Florida, Inc. (collectively, the “Parties”).

Pursuant to the 2021 Settlement, the Parties agreed to a base rate stay-out provision that expires year-end 2024; however, Duke Energy Florida is allowed an increase to its base rates of an incremental $67 million in 2022, $49 million in 2023 and $79 million in 2024, subject to adjustment in the event of tax reform during the years 2021, 2022 and 2023. The Parties also agreed to an ROE band of 8.85% to 10.85% with a midpoint of 9.85% based on a capital structure of 53% equity and 47% debt. The ROE band can be increased by 25 basis points if the average 30-year U.S. Treasury rate increases 50 basis points or more over a six-month period in which case the midpoint ROE would rise from 9.85% to 10.10%. On July 25, 2022, this provision was triggered. Duke Energy Florida filed a petition with the FPSC on August 12, 2022, to increase the ROE effective August 2022 with a base rate increase effective January 1, 2023. The FPSC approved this request on October 4, 2022. The 2021 Settlement Agreement also provided that Duke Energy Florida will be able to retain $173 million of the expected Department of Energy (DOE) award from its lawsuit to recover spent nuclear fuel to mitigate customer rates over the term of the 2021 Settlement. Duke Energy Florida is permitted to recognize the $173 million into earnings through the approved settlement period. Duke Energy Florida settled the DOE lawsuit and received payment of approximately $180 million on June 15, 2022, of which the retail portion was approximately $154 million. The 2021 Settlement authorizes Duke Energy Florida to collect the difference between $173 million and the $154 million retail portion of the amount received through the capacity cost recovery clause. As of June 30, 2023, Duke Energy Florida has recognized $62 million into earnings. The remaining $111 million is expected to be recognized over the remainder of 2023 and 2024, while also remaining within the approved return on equity band.

The 2021 Settlement also contained a provision to recover or flow back the effects of tax law changes. As a result of the IRA enacted on August 16, 2022, Duke Energy Florida is eligible for Production Tax Credits (PTCs) associated with solar facilities placed in service beginning in January 2022. Duke Energy Florida filed a petition with the FPSC on October 17, 2022, to reduce base rates effective January 1, 2023, by $56 million to flow back the expected 2023 PTCs and to flow back the expected 2022 PTCs via an adjustment to the capacity cost recovery clause. On December 14, 2022, the FPSC issued an order approving Duke Energy Florida's petition.

In addition to these terms, the 2021 Settlement contained provisions related to the accelerated depreciation of Crystal River Units 4-5, the approval of approximately $1 billion in future investments in new cost-effective solar power, the implementation of a new Electric Vehicle Charging Station Program and the deferral and recovery of costs in connection with the implementation of Duke Energy Florida’s Vision Florida program, which explores various emerging non-carbon emitting generation technology, distributed technologies and resiliency projects, among other things. The 2021 Settlement also resolved remaining unrecovered storm costs for Hurricane Michael and Hurricane Dorian.

The FPSC approved the 2021 Settlement on May 4, 2021, issuing an order on June 4, 2021. Revised customer rates became effective January 1, 2022, with subsequent base rate increases effective January 1, 2023, and January 1, 2024.

Clean Energy Connection

On July 1, 2020, Duke Energy Florida petitioned the FPSC for approval of a voluntary solar program. The program consists of 10 new solar generating facilities with combined capacity of approximately 750 MW. The program allows participants to support cost-effective solar development in Florida by paying a subscription fee based on per kilowatt subscriptions and receiving a credit on their bill based on the actual generation associated with their portion of the solar portfolio. The estimated cost of the 10 new solar generation facilities is approximately $1 billion and the projects are expected to be completed by the end of 2024. This investment will be included in base rates offset by the revenue from the subscription fees and the credits will be included for recovery in the fuel cost recovery clause. The FPSC approved the program in January 2021.

On February 24, 2021, the League of United Latin American Citizens (LULAC) filed a notice of appeal of the FPSC’s order approving the Clean Energy Connection to the Supreme Court of Florida. The Supreme Court of Florida heard oral arguments in the appeal on February 9, 2022. On May 27, 2022, the Supreme Court of Florida issued an order remanding the case to the FPSC so that the FPSC can amend its order to better address some of the arguments raised by LULAC. On September 23, 2022, the FPSC issued a revised order and submitted it on September 26, 2022, to the Supreme Court of Florida. The Supreme Court of Florida requested that the parties file supplemental briefs regarding the revised order, which were filed February 6, 2023. LULAC has filed a request for Oral Argument on the issues discussed in the supplemental briefs, but the Court has yet to rule on that request. The FPSC approval order remains in effect pending the outcome of the appeal. Duke Energy Florida cannot predict the outcome of this matter.

Storm Protection Plan

On April 11, 2022, Duke Energy Florida filed a Storm Protection Plan for approval with the FPSC. The plan, which covers investments for the 2023-2032 time frame, reflects approximately $7 billion of capital investment in transmission and distribution meant to strengthen its infrastructure, reduce outage times associated with extreme weather events, reduce restoration costs and improve overall service reliability. The evidentiary hearing began on August 2, 2022. On October 4, 2022, the FPSC voted to approve Duke Energy Florida’s plan with one modification to remove the transmission loop radially fed program, representing a reduction of approximately $80 million over the 10-year period starting in 2025. On December 9, 2022, the OPC filed a notice of appeal of this order to the Florida Supreme Court. The OPC's initial brief was filed on April 18, 2023. Duke Energy Florida filed its brief on July 17, 2023. Duke Energy Florida cannot predict the outcome of this matter.

Hurricane Ian

On September 28, 2022, much of Duke Energy Florida’s service territory was impacted by Hurricane Ian, which caused significant damage resulting in more than 1.1 million outages. Duke Energy Florida's June 30, 2023 Condensed Consolidated Balance Sheets includes an estimate of approximately $357 million in regulatory assets related to deferred Hurricane Ian storm costs consistent with the FPSC's storm rule. After depleting any existing storm reserves, which were approximately $107 million before Hurricane Ian, Duke Energy Florida is permitted to petition the FPSC for recovery of additional incremental operation and maintenance costs resulting from the storm and to replenish the retail customer storm reserve to approximately $132 million. Duke Energy Florida filed its petition for cost recovery of various storms, including Hurricane Ian, and replenishment of the storm reserve on January 23, 2023, seeking recovery of $442 million, for recovery over 12 months beginning with the first billing cycle in April 2023. On March 7, 2023, the FPSC approved this request for interim recovery, subject to refund, and ordered Duke Energy Florida to file documentation of the total actual storm costs, once known. Duke Energy Florida cannot predict the outcome of this matter.

Duke Energy Ohio

Duke Energy Ohio Electric Base Rate Case

Duke Energy Ohio filed with the PUCO an electric distribution base rate case application on October 1, 2021, with supporting testimony filed on October 15, 2021, requesting an increase in electric distribution base rates of approximately $55 million and an ROE of 10.3%. On September 19, 2022, Duke Energy Ohio filed a Stipulation and Recommendation with the PUCO, which includes an increase in overall electric distribution base rates of approximately $23 million and an ROE of 9.5%. The stipulation is among all but one party to the proceeding. The PUCO issued an order on December 14, 2022, approving the Stipulation without material modification. Rates went into effect on January 3, 2023. The OCC filed an application for rehearing on January 13, 2023, arguing the Stipulation was unreasonable, discriminatory, and denied OCC due process. On February 8, 2023, the PUCO granted the OCC's application for rehearing for further consideration. Duke Energy Ohio cannot predict the outcome of this matter.

Energy Efficiency Cost Recovery

In response to changes in Ohio law that eliminated Ohio's energy efficiency mandates, the PUCO issued an order on February 26, 2020, directing utilities to wind down their demand-side management programs by September 30, 2020, and to terminate the programs by December 31, 2020. Duke Energy Ohio took the following actions:

- On March 27, 2020, Duke Energy Ohio filed an application for rehearing seeking clarification on the final true up and reconciliation process after 2020. On November 18, 2020, the PUCO issued an order replacing the cost cap previously imposed upon Duke Energy Ohio with a cap on shared savings recovery. On December 18, 2020, Duke Energy Ohio filed an additional application for rehearing challenging, among other things, the imposition of the cap on shared savings. On January 13, 2021, the application for rehearing was granted for further consideration.
- On October 9, 2020, Duke Energy Ohio filed an application to implement a voluntary energy efficiency program portfolio to commence on January 1, 2021. The application proposed a mechanism for recovery of program costs and a benefit associated with avoided transmission and distribution costs. This application remains under review.
- On November 18, 2020, the PUCO issued an order directing all utilities to set their energy efficiency riders to zero effective January 1, 2021, and to file a separate application for final reconciliation of all energy efficiency costs prior to December 31, 2020. Effective January 1, 2021, Duke Energy Ohio suspended its energy efficiency programs.
- On June 14, 2021, the PUCO requested each utility to file by July 15, 2021, a proposal to reestablish low-income programs through December 31, 2021. Duke Energy Ohio filed its application on July 14, 2021.
- On February 23, 2022, the PUCO issued its Fifth Entry on Rehearing that 1) affirmed its reduction in Duke Energy Ohio's shared savings cap; 2) denied rehearing/clarification regarding lost distribution revenues and shared savings recovery for periods after December 31, 2020; and 3) directed Duke Energy Ohio to submit an updated application with exhibits. On March 25, 2022, Duke Energy Ohio filed its Amended Application consistent with the PUCO's order.
- On March 17, 2023, the Staff of the PUCO submitted its Staff Review and Recommendation. This Staff Report, like prior such reports, recommends certain disallowances related to incentives.
- On March 27, 2023, the PUCO established a procedural schedule. Intervention/comments were filed on April 26, 2023, and Duke Energy Ohio filed reply comments on May 11, 2023.

Duke Energy Ohio cannot predict the outcome of this matter.

Duke Energy Ohio Natural Gas Base Rate Case

Duke Energy Ohio filed with the PUCO a natural gas base rate case application on June 30, 2022, with supporting testimony filed on July 14, 2022, requesting an increase in natural gas base rates of approximately $49 million and an ROE of 10.3%. This is an approximate 5.6% average increase in the customer's total bill across all customer classes. The drivers for this case are capital invested since Duke Energy Ohio's last natural gas base rate case in 2012. Duke Energy Ohio is also seeking to adjust the caps on its CEP rider. The report of the Staff of the PUCO was issued on December 21, 2022, recommending an increase in natural gas base rates of $24 million to $36 million, with an equity ratio of 52.32% and an ROE range of 9.03% to 10.04%. On April 28, 2023, Duke Energy Ohio filed a stipulation with all parties to the case except the OCC. In the stipulation, the parties agreed to approximately $32 million in revenue increases with an equity ratio of 52.32% and an ROE of 9.6%, and adjustments to the CEP Rider caps. The stipulation was opposed by the OCC at an evidentiary hearing that concluded on May 24, 2023. Initial briefs were filed June 16, 2023, and reply briefs were filed on July 14, 2023. The record in this case is now complete and an order is anticipated in the third quarter of this year. Duke Energy Ohio cannot predict the outcome of this matter.

Duke Energy Kentucky Electric Base Rate Case

On December 1, 2022, Duke Energy Kentucky filed a rate case with the KPSC requesting an annualized increase in electric base rates of approximately $75 million and an ROE of 10.35%. This is an overall increase in rates of approximately 17.8%. The request for rate increase is driven by capital investments to strengthen the electricity generation and delivery systems along with adjusted depreciation rates for the East Bend and Woodsdale generation stations. Duke Energy Kentucky is also requesting approval for new programs for the benefit of customers and tariff updates, including a voluntary community-based renewable subscription program and two electric vehicle charging programs. Intervenor testimony was filed March 10, 2023, and rebuttal testimony was filed April 14, 2023. The Kentucky Attorney General recommended an increase of $31 million and an ROE of 9.55%. An evidentiary hearing concluded on May 11, 2023, with simultaneous briefs filed June 9, 2023, and replies filed on June 19, 2023. The record in this case is now complete and an order is expected in the third quarter of this year. Duke Energy Kentucky cannot predict the outcome of this matter.

Duke Energy Indiana

2019 Indiana Rate Case

On July 2, 2019, Duke Energy Indiana filed a general rate case with the IURC for a rate increase for retail customers of approximately $395 million. The rebuttal case, filed on December 4, 2019, updated the requested revenue requirement to result in a 15.6%, or $396 million, average retail rate increase, including the impacts of the utility receipts tax. On June 29, 2020, the IURC issued an order in the rate case approving a revenue increase of $146 million before certain adjustments and ratemaking refinements. The order approved Duke Energy Indiana’s requested forecasted rate base of $10.2 billion as of December 31, 2020, including the Edwardsport Integrated Gasification Combined Cycle (IGCC) Plant. The IURC reduced Duke Energy Indiana’s request by slightly more than $200 million, when accounting for the utility receipts tax and other adjustments. Approximately 50% of the reduction was due to a prospective change in depreciation and use of regulatory asset for the end-of-life inventory at retired generating plants, approximately 20% was due to the approved ROE of 9.7% versus the requested ROE of 10.4% and approximately 20% was related to miscellaneous earnings neutral adjustments. Step one rates were estimated to be approximately 75% of the total and became effective on July 30, 2020. Step two rates estimated to be the remaining 25% of the total rate increase were approved on July 28, 2021, and implemented in August 2021.

Several groups appealed the IURC order to the Indiana Court of Appeals. The Indiana Court of Appeals affirmed the IURC decision on May 13, 2021. However, upon appeal by the Indiana Office of Utility Consumer Counselor (OUCC) and the Duke Industrial Group on March 10, 2022, the Indiana Supreme Court found that the IURC erred in allowing Duke Energy Indiana to recover coal ash costs incurred before the IURC’s rate case order in June 2020. The Indiana Supreme Court found that allowing Duke Energy Indiana to recover coal ash costs incurred between rate cases that exceeded the amount built into base rates violated the prohibition against retroactive ratemaking. The IURC’s order has been remanded to the IURC for additional proceedings consistent with the Indiana Supreme Court’s opinion. As a result of the court's opinion, Duke Energy Indiana recognized pretax charges of approximately $211 million to Impairment of assets and other charges and $46 million to Operating revenues in the Condensed Consolidated Statements of Operations for the three months ended March 31, 2022. Duke Energy Indiana filed a request for rehearing with the Supreme Court on April 11, 2022, which the court denied on May 26, 2022. Duke Energy Indiana filed its testimony in the remand proceeding on August 18, 2022. On February 3, 2023, Duke Energy Indiana filed a settlement agreement reached with the OUCC and Duke Industrial Group, which includes an agreed amount of approximately $70 million of refunds to be paid to customers. The IURC approved this settlement agreement in its entirety on April 12, 2023. In June of 2023, Duke Energy Indiana commenced refunding the approximate $70 million to customers in accordance with the settlement agreement.

2020 Indiana Coal Ash Recovery Case

In Duke Energy Indiana’s 2019 rate case, the IURC also opened a subdocket for post-2018 coal ash related expenditures. Duke Energy Indiana filed testimony on April 15, 2020, in the coal ash subdocket requesting recovery for the post-2018 coal ash basin closure costs for plans that have been approved by the Indiana Department of Environmental Management (IDEM) as well as continuing deferral, with carrying costs, on the balance. An evidentiary hearing was held on September 14, 2020. Briefing was completed by mid-September 2021. On November 3, 2021, the IURC issued an order allowing recovery for post-2018 coal ash basin closure costs for the plans that have been approved by IDEM, as well as continuing deferral, with carrying costs, on the balance. The OUCC and the Duke Industrial Group appealed. The Indiana Court of Appeals issued its opinion on February 21, 2023, reversing the IURC's order to the extent that it allowed Duke Energy Indiana to recover federally mandated costs incurred prior to the IURC's November 3, 2021 order. In addition, the court found that any costs incurred pre-petition to determine federally mandated compliance options were not specifically authorized by the statute and should also be disallowed. As a result of the Court's opinion, Duke Energy Indiana recognized a pretax charge of approximately $175 million to Impairment of assets and other charges for the year ended December 31, 2022. Duke Energy Indiana has filed its proposal to remove from rates certain costs incurred prior to the IURC's November 3, 2021 order date. An evidentiary hearing is scheduled for August 9, 2023. Duke Energy Indiana cannot predict the outcome of this matter.

TDSIC 2.0

On November 23, 2021, Duke Energy Indiana filed for approval of the Transmission, Distribution, Storage Improvement Charge 2.0 investment plan for 2023-2028 (TDSIC 2.0). On June 15, 2022, the IURC approved, without modification, TDSIC 2.0, which includes approximately $2 billion in transmission and distribution investments selected to improve customer reliability, harden and improve resiliency of the grid, enable expansion of renewable and distributed energy projects and encourage economic development. In addition, the IURC set up a subdocket to consider the targeted economic development project, which the IURC approved on March 2, 2022. On July 15, 2022, the OUCC filed a notice of appeal to the Indiana Court of Appeals in Duke Energy Indiana’s TDSIC 2.0 proceeding. An appellant brief was filed on October 28, 2022, and Duke Energy Indiana filed its responsive brief on December 28, 2022. The Indiana Court of Appeals issued its opinion on March 9, 2023, affirming the IURC’s order in its entirety. The Duke Industrial Group filed a petition to transfer to the Indiana Supreme Court. The Indiana Supreme Court granted transfer and scheduled an oral argument for September 28, 2023. Duke Energy Indiana cannot predict the outcome of this matter.

Piedmont

Tennessee Annual Review Mechanism

On October 10, 2022, the TPUC approved Piedmont’s petition to adopt an Annual Review Mechanism (ARM) as allowed by Tennessee law. Under the ARM, Piedmont will adjust rates annually to achieve its allowed 9.80% ROE over the upcoming year and to true up any variance between its allowed ROE and actual ROE from the prior calendar year. The initial year subject to the true up is 2022, and Piedmont filed the initial rate adjustments request on May 19, 2023, for rates effective October 1, 2023. The current hearing date is set for September 11, 2023, and Piedmont and the Consumer Advocate Division of the Tennessee Attorney General's office have agreed to both a Joint Proposed Protective Order and Joint Proposed Procedural Schedule, both filed with Piedmont's ARM filing.

5. COMMITMENTS AND CONTINGENCIES

ENVIRONMENTAL

The Duke Energy Registrants are subject to federal, state and local regulations regarding air and water quality, hazardous and solid waste disposal, coal ash and other environmental matters. These regulations can be changed from time to time, imposing new obligations on the Duke Energy Registrants. The following environmental matters impact all Duke Energy Registrants.

Remediation Activities

In addition to AROs recorded as a result of various environmental regulations, the Duke Energy Registrants are responsible for environmental remediation at various sites. These include certain properties that are part of ongoing operations and sites formerly owned or used by Duke Energy entities. These sites are in various stages of investigation, remediation and monitoring. Managed in conjunction with relevant federal, state and local agencies, remediation activities vary based on site conditions and location, remediation requirements, complexity and sharing of responsibility. If remediation activities involve joint and several liability provisions, strict liability, or cost recovery or contribution actions, the Duke Energy Registrants could potentially be held responsible for environmental impacts caused by other potentially responsible parties and may also benefit from insurance policies or contractual indemnities that cover some or all cleanup costs. Liabilities are recorded when losses become probable and are reasonably estimable. The total costs that may be incurred cannot be estimated because the extent of environmental impact, allocation among potentially responsible parties, remediation alternatives and/or regulatory decisions have not yet been determined at all sites. Additional costs associated with remediation activities are likely to be incurred in the future and could be significant. Costs are typically expensed as Operation, maintenance and other on the Condensed Consolidated Statements of Operations unless regulatory recovery of the costs is deemed probable.

The following table contains information regarding reserves for probable and estimable costs related to the various environmental sites. These reserves are recorded in Other within Other Noncurrent Liabilities on the Condensed Consolidated Balance Sheets.

(in millions)	June 30, 2023	December 31, 2022
Reserves for Environmental Remediation		
Duke Energy	**$ 92**	$ 84
Duke Energy Carolinas	**23**	22
Progress Energy	**23**	19
Duke Energy Progress	**11**	8
Duke Energy Florida	**11**	11
Duke Energy Ohio	**36**	33
Duke Energy Indiana	**2**	3
Piedmont	**8**	7

Additional losses in excess of recorded reserves that could be incurred for the stages of investigation, remediation and monitoring for environmental sites that have been evaluated at this time are not material.

LITIGATION

Duke Energy

Texas Storm Uri Tort Litigation

Duke Energy (Parent), several Duke Energy renewables project companies, and others in the ERCOT market were named in multiple lawsuits arising out of Texas Storm Uri, which occurred in February 2021. These lawsuits seek recovery for property damages, personal injury and wrongful death allegedly caused by the power outages that plaintiffs claim were the collective failure of generators, transmission and distribution operators (TDUs), retail energy providers, and all others, including ERCOT. The cases were consolidated into a Texas state court multidistrict litigation (MDL) proceeding for discovery and pre-trial motions. Five MDL cases were designated as lead cases in which motions to dismiss were filed and all other cases were stayed. On January 28, 2023, the Court denied certain motions including those by the generator defendants and TDUs and granted others. The generators and TDUs filed petitions for Writ of Mandamus to the Texas Court of Appeals seeking to overturn the denials. The TDUs' petition, filed first, was accepted and is set for oral argument in August 2023. The generators' petition has not yet been set for argument. After the rulings on the motions to dismiss, plaintiffs filed new lawsuits against Duke Energy (Parent), Duke Energy Renewables, LLC, and several Duke Energy renewable entities, which are included in the MDL proceeding and are currently stayed. The plaintiffs have represented to the court that they will dismiss Duke Energy (Parent) from all cases. Duke Energy cannot predict the outcome of this matter. See Note 2 for more information related to the sale of the Commercial Renewables Disposal Groups.

Duke Energy Carolinas

Ruben Villano, et al. v. Duke Energy Carolinas, LLC

On June 16, 2021, a group of nine individuals went over a low-head dam adjacent to the Dan River Steam Station in Eden, North Carolina, while water tubing. Emergency personnel rescued four people and five others were confirmed deceased. On August 11, 2021, Duke Energy Carolinas was served with the complaint filed in Durham County Superior Court on behalf of four survivors, which was later amended to include all the decedents along with the survivors. The lawsuit alleges that Duke Energy Carolinas knew that the river was used for recreational purposes, did not adequately warn about the dam, and created a dangerous and hidden hazard on the Dan River by building and maintaining the low-head dam. Duke Energy Carolinas has reached an agreement that will resolve this matter to the parties' mutual satisfaction. The resolution, which did not have a material financial impact, has been approved by the Durham County Superior Court. The case was dismissed on June 6, 2023.

NTE Carolinas II, LLC Litigation

In November 2017, Duke Energy Carolinas entered into a standard FERC large generator interconnection agreement (LGIA) with NTE Carolinas II, LLC (NTE), a company that proposed to build a combined-cycle natural gas plant in Rockingham County, North Carolina. On September 6, 2019, Duke Energy Carolinas filed a lawsuit in Mecklenburg County Superior Court against NTE for breach of contract, alleging that NTE's failure to pay benchmark payments for Duke Energy Carolinas' transmission system upgrades required under the interconnection agreement constituted a termination of the interconnection agreement. Duke Energy Carolinas sought a monetary judgment against NTE because NTE failed to make multiple milestone payments. The lawsuit was moved to federal court in North Carolina. NTE filed a motion to dismiss Duke Energy Carolinas' complaint and brought counterclaims alleging anti-competitive conduct and violations of state and federal statutes. Duke Energy Carolinas filed a motion to dismiss NTE's counterclaims. Both NTE's and Duke Energy Carolinas' motions to dismiss were subsequently denied by the court.

On May 21, 2020, in response to a NTE petition challenging Duke Energy Carolinas' termination of the LGIA, FERC issued a ruling that 1) it has exclusive jurisdiction to determine whether a transmission provider may terminate a LGIA; 2) FERC approval is required to terminate a conforming LGIA if objected to by the interconnection customer; and 3) Duke Energy may not announce the termination of a conforming LGIA unless FERC has approved the termination. FERC's Office of Enforcement also initiated an investigation of Duke Energy Carolinas into matters pertaining to the LGIA. On April 6, 2023, Duke Energy Carolinas received notice from the FERC Office of Enforcement that they have closed their non-public investigation with no further action recommended.

Following completion of discovery, Duke Energy Carolinas filed a motion for summary judgment seeking a ruling in its favor as to some of its affirmative claims against NTE and to all of NTE's counterclaims. On June 24, 2022, the court issued an order partially granting Duke Energy Carolinas' motion by dismissing NTE's counterclaims that Duke Energy Carolinas engaged in anti-competitive behavior in violation of state and federal statutes. On October 12, 2022, the parties executed a settlement agreement with respect to the remaining breach of contract claims in the litigation and a Stipulation of Dismissal was filed with the court on October 13, 2022. On November 11, 2022, NTE filed its Notice of Appeal to the U.S. Court of Appeals for the Fourth Circuit as to the District Court's summary judgment ruling in Duke Energy Carolinas' favor on NTE's antitrust and unfair competition claims. Briefing on NTE's appeal was completed on June 30, 2023. Duke Energy Carolinas cannot predict the outcome of this matter.

Asbestos-related Injuries and Damages Claims

Duke Energy Carolinas has experienced numerous claims for indemnification and medical cost reimbursement related to asbestos exposure. These claims relate to damages for bodily injuries alleged to have arisen from exposure to or use of asbestos in connection with construction and maintenance activities conducted on its electric generation plants prior to 1985.

Duke Energy Carolinas has recognized asbestos-related reserves of $446 million at June 30, 2023, and $457 million at December 31, 2022. These reserves are classified in Other within Other Noncurrent Liabilities and Other within Current Liabilities on the Condensed Consolidated Balance Sheets. These reserves are based on Duke Energy Carolinas' best estimate for current and future asbestos claims through 2042 and are recorded on an undiscounted basis. In light of the uncertainties inherent in a longer-term forecast, management does not believe they can reasonably estimate the indemnity and medical costs that might be incurred after 2042 related to such potential claims. It is possible Duke Energy Carolinas may incur asbestos liabilities in excess of the recorded reserves.

Duke Energy Carolinas has third-party insurance to cover certain losses related to asbestos-related injuries and damages above an aggregate self-insured retention. Receivables for insurance recoveries were $595 million at June 30, 2023, and at December 31, 2022. These amounts are classified in Other within Other Noncurrent Assets and Receivables within Current Assets on the Condensed Consolidated Balance Sheets. Any future payments up to the policy limit will be reimbursed by the third-party insurance carrier. Duke Energy Carolinas is not aware of any uncertainties regarding the legal sufficiency of insurance claims. Duke Energy Carolinas believes the insurance recovery asset is probable of recovery as the insurance carrier continues to have a strong financial strength rating.

The reserve for credit losses for insurance receivables is $12 million for Duke Energy and Duke Energy Carolinas as of June 30, 2023, and December 31, 2022. The insurance receivable is evaluated based on the risk of default and the historical losses, current conditions and expected conditions around collectability. Management evaluates the risk of default annually based on payment history, credit rating and changes in the risk of default from credit agencies.

Duke Energy Indiana

Coal Ash Insurance Coverage Litigation

In June 2022, Duke Energy Indiana filed a civil action in Indiana Superior Court against various insurance companies seeking declaratory relief with respect to insurance coverage for coal combustion residuals-related expenses and liabilities covered by third-party liability insurance policies. The insurance policies cover the 1969-1972 and 1984-1985 periods and provide third-party liability insurance for claims and suits alleging property damage, bodily injury and personal injury (or a combination thereof). A trial date has not yet been set. On June 30, 2023, Duke Energy Indiana and Associated Electric and Gas Insurance Services (AEGIS) reached a confidential settlement, the results of which were not material, and as a result, AEGIS was dismissed from the litigation on July 13, 2023. The lawsuit remains pending as to the other insurers, but is stayed until October 21, 2023, to allow for further settlement negotiations. Duke Energy Indiana cannot predict the outcome of this matter.

Other Litigation and Legal Proceedings

The Duke Energy Registrants are involved in other legal, tax and regulatory proceedings arising in the ordinary course of business, some of which involve significant amounts. The Duke Energy Registrants believe the final disposition of these proceedings will not have a material effect on their results of operations, cash flows or financial position. Reserves are classified on the Condensed Consolidated Balance Sheets in Other within Other Noncurrent Liabilities and Other within Current Liabilities.

OTHER COMMITMENTS AND CONTINGENCIES

General

As part of their normal business, the Duke Energy Registrants are party to various financial guarantees, performance guarantees and other contractual commitments to extend guarantees of credit and other assistance to various subsidiaries, investees and other third parties. These guarantees involve elements of performance and credit risk, which are not fully recognized on the Condensed Consolidated Balance Sheets and have uncapped maximum potential payments. However, the Duke Energy Registrants do not believe these guarantees will have a material effect on their results of operations, cash flows or financial position.

In addition, the Duke Energy Registrants enter into various fixed-price, noncancelable commitments to purchase or sell power or natural gas, take-or-pay arrangements, transportation, or throughput agreements and other contracts that may or may not be recognized on their respective Condensed Consolidated Balance Sheets. Some of these arrangements may be recognized at fair value on their respective Condensed Consolidated Balance Sheets if such contracts meet the definition of a derivative and the NPNS exception does not apply. In most cases, the Duke Energy Registrants' purchase obligation contracts contain provisions for price adjustments, minimum purchase levels and other financial commitments.

6. DEBT AND CREDIT FACILITIES

Debt related to the Commercial Renewables Disposal Groups is now classified as held for sale and is excluded from the following disclosures. See Note 2 for further information.

SUMMARY OF SIGNIFICANT DEBT ISSUANCES

The following table summarizes significant debt issuances (in millions).

			Six Months Ended June 30, 2023						
Issuance Date	Maturity Date	Interest Rate	Duke Energy	Duke Energy (Parent)	Duke Energy Carolinas	Duke Energy Progress	Duke Energy Ohio	Duke Energy Indiana	Piedmont
Unsecured Debt									
April 2023[(a)]	April 2026	4.125 %	$ **1,725**	$ **1,725**	$ **—**	$ **—**	$ **—**	$ **—**	$ **—**
June 2023[(b)]	June 2033	5.400 %	**350**	**—**	**—**	**—**	**—**	**—**	**350**
First Mortgage Bonds									
January 2023[(c)]	January 2033	4.950 %	**900**	**—**	**900**	**—**	**—**	**—**	**—**
January 2023[(c)]	January 2053	5.350 %	**900**	**—**	**900**	**—**	**—**	**—**	**—**
March 2023[(d)]	March 2033	5.250 %	**500**	**—**	**—**	**500**	**—**	**—**	**—**
March 2023[(d)]	March 2053	5.350 %	**500**	**—**	**—**	**500**	**—**	**—**	**—**
March 2023[(e)]	April 2033	5.250 %	**375**	**—**	**—**	**—**	**375**	**—**	**—**
March 2023[(e)]	April 2053	5.650 %	**375**	**—**	**—**	**—**	**375**	**—**	**—**
March 2023[(f)]	April 2053	5.400 %	**500**	**—**	**—**	**—**	**—**	**500**	**—**
June 2023[(g)]	January 2033	4.950 %	**350**	**—**	**350**	**—**	**—**	**—**	**—**
June 2023[(g)]	January 2054	5.400 %	**500**	**—**	**500**	**—**	**—**	**—**	**—**
Total issuances			$ **6,975**	$ **1,725**	$ **2,650**	$ **1,000**	$ **750**	$ **500**	$ **350**

(a) See "Duke Energy (Parent) Convertible Senior Notes" below for additional information.
(b) Proceeds will be used to repay $45 million of maturities due October 2023, to pay down a portion of short-term debt and for general corporate purposes.
(c) Proceeds were used to repay $1 billion of maturities due March 2023, to pay down a portion of short-term debt and for general company purposes.
(d) Proceeds will be used to repay $300 million of maturities due September 2023, to pay down a portion of short-term debt and for general company purposes.
(e) Proceeds will be used to repay $300 million of maturities due September 2023 and a portion of the $100 million term loan due October 2023. Remaining proceeds will be used to repay a portion of short-term debt and for general corporate purposes.
(f) Proceeds were used to repay the $300 million term loan due October 2023. Remaining proceeds will be used to repay a portion of short-term debt and for general company purposes.
(g) Proceeds were used to pay down a portion of short-term debt and for general company purposes.

Duke Energy (Parent) Convertible Senior Notes

In April 2023, Duke Energy (Parent) completed the sale of $1.7 billion 4.125% Convertible Senior Notes due April 2026 (convertible notes). The convertible notes are senior unsecured obligations of Duke Energy, and will mature on April 15, 2026, unless earlier converted or repurchased in accordance with their terms. The convertible notes bear interest at a fixed rate of 4.125% per year, payable semiannually in arrears on April 15 and October 15 of each year, beginning on October 15, 2023. Proceeds were used to repay a portion of outstanding commercial paper and for general corporate purposes.

Prior to the close of business on the business day immediately preceding January 15, 2026, the convertible notes will be convertible at the option of the holders when the following conditions are met:

- during any calendar quarter commencing after the calendar quarter ending on June 30, 2023 (and only during such calendar quarter), if the last reported sale price of Duke Energy common stock for at least 20 trading days (whether or not consecutive) during a period of 30 consecutive trading days ending on, and including, the last trading day of the immediately preceding calendar quarter is greater than or equal to 130% of the conversion price on each applicable trading day;
- during the five consecutive business day period after any ten consecutive trading day period (the measurement period) in which the trading price, as defined, per $1,000 principal amount of notes for each trading day of the measurement period was less than 98% of the product of the last reported sale price of Duke Energy common stock and the conversion rate on each such trading day; or
- upon the occurrence of specified corporate events described in the indenture agreement.

On or after January 15, 2026, until the close of business on the second scheduled trading day immediately preceding the maturity date, holders of the convertible notes may convert all or any portion of their convertible notes at their option at any time at the conversion rate then in effect, irrespective of these conditions. Duke Energy will settle conversions of the convertible notes by paying cash up to the aggregate principal amount of the convertible notes to be converted and paying or delivering, as the case may be, cash, shares of Duke Energy's common stock, $0.001 par value per share, or a combination of cash and shares of its common stock, at its election, in respect of the remainder, if any, of its conversion obligation in excess of the aggregate principal amount of the convertible notes being converted.

The conversion rate for the convertible notes is initially 8.4131 shares of Duke Energy's common stock per $1,000 principal amount of convertible notes. The initial conversion price of the convertible notes represents a premium of approximately 25% over the last reported sale price of Duke Energy’s common stock on the NYSE on April 3, 2023. The conversion rate and the corresponding conversion price will not be adjusted for any accrued and unpaid interest but will be subject to adjustment in some instances, such as stock splits or share combinations, certain distributions to common stockholders, or tender offers at off-market rates. The changes in the conversion rates are intended to make convertible note holders whole for changes in the fair value of Duke Energy common stock resulting from such events. Duke Energy may not redeem the convertible notes prior to the maturity date.

Duke Energy issued the convertible notes pursuant to an indenture, dated as of April 6, 2023, by and between Duke Energy and The Bank of New York Mellon Trust Company, N.A., as trustee. The terms of the convertible notes include customary fundamental change provisions that require repayment of the notes with interest upon certain events, such as a stockholder approved plan of liquidation or if Duke Energy's common stock ceases to be listed on the NYSE.

CURRENT MATURITIES OF LONG-TERM DEBT

The following table shows the significant components of Current maturities of long-term debt on the Condensed Consolidated Balance Sheets. The Duke Energy Registrants currently anticipate satisfying these obligations with cash on hand and proceeds from additional borrowings.

(in millions)	Maturity Date	Interest Rate	June 30, 2023
Unsecured Debt			
Duke Energy Ohio[(a)]	October 2023	5.546 %	$ **150**
Duke Energy (Parent)	October 2023	3.950 %	**400**
Duke Energy (Parent) Term Loan Facility[(a)]	March 2024	5.645 %	**1,000**
Duke Energy (Parent)	April 2024	3.750 %	**1,000**
Duke Energy Florida[(a)]	April 2024	5.921 %	**800**
First Mortgage Bonds			
Duke Energy Progress	September 2023	3.375 %	**300**
Duke Energy Ohio	September 2023	3.800 %	**300**
Other[(b)]			**659**
Current maturities of long-term debt			$ **4,609**

(a) Debt has a floating interest rate.
(b) Includes finance lease obligations, amortizing debt, tax-exempt bonds with mandatory put options and small bullet maturities.

AVAILABLE CREDIT FACILITIES

Master Credit Facility

In March 2023, Duke Energy amended its existing Master Credit Facility of $9 billion to extend the termination date to March 2028. The Duke Energy Registrants, excluding Progress Energy, have borrowing capacity under the Master Credit Facility up to a specified sublimit for each borrower. Duke Energy has the unilateral ability at any time to increase or decrease the borrowing sublimits of each borrower, subject to a maximum sublimit for each borrower. The amount available under the Master Credit Facility has been reduced to backstop issuances of commercial paper, certain letters of credit and variable-rate demand tax-exempt bonds that may be put to the Duke Energy Registrants at the option of the holder. An amendment in conjunction with the issuance of the Convertible Senior Notes due April 2026 clarifies that payments due as a result of a conversion of a convertible note would not constitute an event of default.

The table below includes the current borrowing sublimits and available capacity under these credit facilities.

	June 30, 2023							
(in millions)	Duke Energy	Duke Energy (Parent)	Duke Energy Carolinas	Duke Energy Progress	Duke Energy Florida	Duke Energy Ohio	Duke Energy Indiana	Piedmont
Facility size[(a)]	$ 9,000	$ 2,275	$ 2,025	$ 900	$ 1,350	$ 700	$ 950	$ 800
Reduction to backstop issuances								
Commercial paper[(b)]	(3,143)	(837)	(829)	(150)	(759)	(132)	(341)	(95)
Outstanding letters of credit	(39)	(27)	(4)	(1)	(7)	—	—	—
Tax-exempt bonds	(81)	—	—	—	—	—	(81)	—
Available capacity under the Master Credit Facility	$ 5,737	$ 1,411	$ 1,192	$ 749	$ 584	$ 568	$ 528	$ 705

(a) Represents the sublimit of each borrower.
(b) Duke Energy issued $625 million of commercial paper and loaned the proceeds through the money pool to Duke Energy Carolinas, Duke Energy Progress, Duke Energy Ohio and Duke Energy Indiana. The balances are classified as Long-Term Debt Payable to Affiliated Companies on the Condensed Consolidated Balance Sheets.

Other Credit Facilities

Duke Energy (Parent) Term Loan Facility

In March 2022, Duke Energy (Parent) entered into a Term Loan Credit Agreement (Credit Agreement) with commitments totaling $1.4 billion maturing March 2024. The maturity date of the Credit Agreement may be extended for up to two years by request of Duke Energy (Parent), upon satisfaction of certain conditions contained in the Credit Agreement. Borrowings under the facility were used to repay amounts drawn under the Three-Year Revolving Credit Facility and for general corporate purposes, including repayment of a portion of Duke Energy's outstanding commercial paper. The balance is classified as Current maturities of long-term debt on Duke Energy's Condensed Consolidated Balance Sheets.

In March 2023, Duke Energy amended its existing Credit Agreement in conjunction with the issuance of the Convertible Senior Notes due April 2026 to clarify that payments due as a result of a conversion of a convertible note would not constitute an event of default.

7. GOODWILL

Duke Energy

Duke Energy's Goodwill balance of $19.3 billion is allocated $17.4 billion to EU&I and $1.9 billion to GU&I on Duke Energy's Condensed Consolidated Balance Sheets at June 30, 2023, and December 31, 2022. There are no accumulated impairment charges.

Duke Energy Ohio

Duke Energy Ohio's Goodwill balance of $920 million, allocated $596 million to EU&I and $324 million to GU&I, is presented net of accumulated impairment charges of $216 million on the Condensed Consolidated Balance Sheets at June 30, 2023, and December 31, 2022.

Progress Energy

Progress Energy's Goodwill is included in the EU&I segment and there are no accumulated impairment charges.

Piedmont

Piedmont's Goodwill is included in the GU&I segment and there are no accumulated impairment charges.

8. RELATED PARTY TRANSACTIONS

The Subsidiary Registrants engage in related party transactions in accordance with applicable state and federal commission regulations. Refer to the Condensed Consolidated Balance Sheets of the Subsidiary Registrants for balances due to or due from related parties. Material amounts related to transactions with related parties included on the Condensed Consolidated Statements of Operations and Comprehensive Income are presented in the following table.

	Three Months Ended June 30,		Six Months Ended June 30,	
(in millions)	2023	2022	2023	2022
Duke Energy Carolinas				
Corporate governance and shared service expenses[(a)]	**$ 192**	$ 191	**$ 388**	$ 397
Indemnification coverages[(b)]	**8**	7	**17**	14
Joint Dispatch Agreement (JDA) revenue[(c)]	**8**	12	**21**	38
JDA expense[(c)]	**34**	173	**63**	267
Intercompany natural gas purchases[(d)]	**4**	5	**9**	9
Progress Energy				
Corporate governance and shared service expenses[(a)]	**$ 172**	$ 184	**$ 350**	$ 380
Indemnification coverages[(b)]	**12**	11	**24**	22
JDA revenue[(c)]	**34**	173	**63**	267
JDA expense[(c)]	**8**	12	**21**	38
Intercompany natural gas purchases[(d)]	**18**	19	**37**	38
Duke Energy Progress				
Corporate governance and shared service expenses[(a)]	**$ 104**	$ 108	**$ 211**	$ 227
Indemnification coverages[(b)]	**5**	5	**10**	10
JDA revenue[(c)]	**34**	173	**63**	267
JDA expense[(c)]	**8**	12	**21**	38
Intercompany natural gas purchases[(d)]	**18**	19	**37**	38
Duke Energy Florida				
Corporate governance and shared service expenses[(a)]	**$ 68**	$ 76	**$ 139**	$ 153
Indemnification coverages[(b)]	**7**	6	**14**	12
Duke Energy Ohio				
Corporate governance and shared service expenses[(a)]	**$ 76**	$ 82	**$ 149**	$ 164
Indemnification coverages[(b)]	**2**	1	**3**	2
Duke Energy Indiana				
Corporate governance and shared service expenses[(a)]	**$ 84**	$ 91	**$ 183**	$ 215
Indemnification coverages[(b)]	**2**	2	**4**	4
Piedmont				
Corporate governance and shared service expenses[(a)]	**$ 37**	$ 37	**$ 75**	$ 72
Indemnification coverages[(b)]	**1**	2	**2**	3
Intercompany natural gas sales[(d)]	**22**	24	**46**	47
Natural gas storage and transportation costs[(e)]	**6**	5	**12**	11

(a) The Subsidiary Registrants are charged their proportionate share of corporate governance and other shared services costs, primarily related to human resources, employee benefits, information technology, legal and accounting fees, as well as other third-party costs. These amounts are primarily recorded in Operation, maintenance and other and Impairment of assets and other charges on the Condensed Consolidated Statements of Operations and Comprehensive Income.

(b) The Subsidiary Registrants incur expenses related to certain indemnification coverages through Bison, Duke Energy's wholly owned captive insurance subsidiary. These expenses are recorded in Operation, maintenance and other on the Condensed Consolidated Statements of Operations and Comprehensive Income.

(c) Duke Energy Carolinas and Duke Energy Progress participate in a JDA, which allows the collective dispatch of power plants between the service territories to reduce customer rates. Revenues from the sale of power and expenses from the purchase of power pursuant to the JDA are recorded in Operating Revenues and Fuel used in electric generation and purchased power, respectively, on the Condensed Consolidated Statements of Operations and Comprehensive Income.

(d) Piedmont provides long-term natural gas delivery service to certain Duke Energy Carolinas and Duke Energy Progress natural gas-fired generation facilities. Piedmont records the sales in Operating Revenues, and Duke Energy Carolinas and Duke Energy Progress record the related purchases as a component of Fuel used in electric generation and purchased power on their respective Condensed Consolidated Statements of Operations and Comprehensive Income.

(e) Piedmont has related party transactions as a customer of its equity method investments in Pine Needle LNG Company, LLC, Hardy Storage Company, LLC and Cardinal Pipeline Company, LLC natural gas storage and transportation facilities. These expenses are included in Cost of natural gas on Piedmont's Condensed Consolidated Statements of Operations and Comprehensive Income.

In addition to the amounts presented above, the Subsidiary Registrants have other affiliate transactions, including rental of office space, participation in a money pool arrangement, other operational transactions, such as pipeline lease arrangements, and their proportionate share of certain charged expenses. These transactions of the Subsidiary Registrants are incurred in the ordinary course of business and are eliminated in consolidation.

As discussed in Note 12, certain trade receivables have been sold by Duke Energy Ohio and Duke Energy Indiana to CRC, an affiliate formed by a subsidiary of Duke Energy. The proceeds obtained from the sales of receivables are largely cash but do include a subordinated note from CRC for a portion of the purchase price.

Intercompany Income Taxes

Duke Energy and the Subsidiary Registrants file a consolidated federal income tax return and other state and jurisdictional returns. The Subsidiary Registrants have a tax sharing agreement with Duke Energy for the allocation of consolidated tax liabilities and benefits. Income taxes recorded represent amounts the Subsidiary Registrants would incur as separate C-Corporations. The following table includes the balance of intercompany income tax receivables and payables for the Subsidiary Registrants.

(in millions)	Duke Energy Carolinas	Progress Energy	Duke Energy Progress	Duke Energy Florida	Duke Energy Ohio	Duke Energy Indiana	Piedmont
June 30, 2023							
Intercompany income tax receivable	**$ —**	**$ —**	**$ —**	**$ —**	**$ 2**	**$ —**	**$ 24**
Intercompany income tax payable	**89**	**50**	**28**	**95**	**—**	**26**	**—**
December 31, 2022							
Intercompany income tax receivable	$ —	$ 95	$ 36	$ 17	$ —	$ —	$ —
Intercompany income tax payable	37	—	—	—	17	18	38

9. DERIVATIVES AND HEDGING

The Duke Energy Registrants use commodity, interest rate and foreign currency contracts to manage commodity price risk, interest rate risk and foreign currency exchange rate risk. The primary use of commodity derivatives is to hedge the generation portfolio against changes in the prices of electricity and natural gas. Piedmont enters into natural gas supply contracts to provide diversification, reliability and natural gas cost benefits to its customers. Interest rate derivatives are used to manage interest rate risk associated with borrowings. Foreign currency derivatives are used to manage risk related to foreign currency exchange rates on certain issuances of debt. Derivatives related to interest rate risk for the Commercial Renewables Disposal Groups are now classified as held for sale and are excluded from the following disclosures. See Note 2 for further information.

All derivative instruments not identified as NPNS are recorded at fair value as assets or liabilities on the Condensed Consolidated Balance Sheets. Cash collateral related to derivative instruments executed under master netting arrangements is offset against the collateralized derivatives on the Condensed Consolidated Balance Sheets. The cash impacts of settled derivatives are recorded as operating activities or financing activities on the Condensed Consolidated Statements of Cash Flows consistent with the classification of the hedged transaction.

INTEREST RATE RISK

The Duke Energy Registrants are exposed to changes in interest rates as a result of their issuance or anticipated issuance of variable-rate and fixed-rate debt and commercial paper. Interest rate risk is managed by limiting variable-rate exposures to a percentage of total debt and by monitoring changes in interest rates. To manage risk associated with changes in interest rates, the Duke Energy Registrants may enter into interest rate swaps, U.S. Treasury lock agreements and other financial contracts. In anticipation of certain fixed-rate debt issuances, a series of forward-starting interest rate swaps or Treasury locks may be executed to lock in components of current market interest rates. These instruments are later terminated prior to or upon the issuance of the corresponding debt.

Cash Flow Hedges

For a derivative designated as hedging the exposure to variable cash flows of a future transaction, referred to as a cash flow hedge, the effective portion of the derivative's gain or loss is initially reported as a component of other comprehensive income and subsequently reclassified into earnings once the future transaction impacts earnings. Amounts for interest rate contracts are reclassified to earnings as interest expense over the term of the related debt. Gains and losses reclassified out of accumulated other comprehensive income (loss) for the three and six months ended June 30, 2023, and 2022, were not material. Duke Energy's interest rate derivatives designated as hedges include forward-starting interest rate swaps not accounted for under regulatory accounting.

Undesignated Contracts

Undesignated contracts primarily include contracts not designated as a hedge because they are accounted for under regulatory accounting or contracts that do not qualify for hedge accounting.

Duke Energy’s interest rate swaps for its regulated operations employ regulatory accounting. With regulatory accounting, the mark-to-market gains or losses on the swaps are deferred as regulatory liabilities or regulatory assets, respectively. Regulatory assets and liabilities are amortized consistent with the treatment of the related costs in the ratemaking process. The accrual of interest on the swaps is recorded as Interest Expense on the Duke Energy Registrant's Condensed Consolidated Statements of Operations and Comprehensive Income.

The following tables show notional amounts of outstanding derivatives related to interest rate risk.

	June 30, 2023						
(in millions)	Duke Energy	Duke Energy Carolinas	Progress Energy	Duke Energy Progress	Duke Energy Florida	Duke Energy Indiana	Duke Energy Ohio
Cash flow hedges	$ 2,100	$ —	$ —	$ —	$ —	$ —	$ —
Undesignated contracts	2,027	550	1,250	250	1,000	200	27
Total notional amount	$ 4,127	$ 550	$ 1,250	$ 250	$ 1,000	$ 200	$ 27

	December 31, 2022						
(in millions)	Duke Energy	Duke Energy Carolinas	Progress Energy	Duke Energy Progress	Duke Energy Florida	Duke Energy Indiana	Duke Energy Ohio
Cash flow hedges	$ 500	$ —	$ —	$ —	$ —	$ —	$ —
Undesignated contracts	2,377	1,250	800	500	300	300	27
Total notional amount	$ 2,877	$ 1,250	$ 800	$ 500	$ 300	$ 300	$ 27

COMMODITY PRICE RISK

The Duke Energy Registrants are exposed to the impact of changes in the prices of electricity purchased and sold in bulk power markets and natural gas purchases, including Piedmont's natural gas supply contracts. Exposure to commodity price risk is influenced by a number of factors including the term of contracts, the liquidity of markets and delivery locations. To manage risk associated with commodity prices, the Duke Energy Registrants may enter into long-term power purchase or sales contracts and long-term natural gas supply agreements.

Undesignated Contracts

Undesignated contracts primarily include contracts not designated as a hedge because they are accounted for under regulatory accounting or contracts that do not qualify for hedge accounting.

For the Subsidiary Registrants, bulk power electricity and natural gas purchases flow through fuel adjustment clauses, formula-based contracts or other cost-sharing mechanisms. Differences between the costs included in rates and the incurred costs, including undesignated derivative contracts, are largely deferred as regulatory assets or regulatory liabilities. Piedmont policies allow for the use of financial instruments to hedge commodity price risks. The strategy and objective of these hedging programs are to use the financial instruments to reduce natural gas cost volatility for customers.

Volumes

The tables below include volumes of outstanding commodity derivatives. Amounts disclosed represent the absolute value of notional volumes of commodity contracts excluding NPNS. The Duke Energy Registrants have netted contractual amounts where offsetting purchase and sale contracts exist with identical delivery locations and times of delivery. Where all commodity positions are perfectly offset, no quantities are shown.

	June 30, 2023						
	Duke Energy	Duke Energy Carolinas	Progress Energy	Duke Energy Progress	Duke Energy Ohio	Duke Energy Indiana	Piedmont
Electricity (GWh)	28,253	—	—	—	3,466	24,787	—
Natural gas (millions of dekatherms)	863	290	280	280	—	12	281

	December 31, 2022						
	Duke Energy	Duke Energy Carolinas	Progress Energy	Duke Energy Progress	Duke Energy Ohio	Duke Energy Indiana	Piedmont
Electricity (GWh)	14,086	—	—	—	1,820	12,266	—
Natural gas (millions of dekatherms)	909	307	292	292	—	11	299

FOREIGN CURRENCY RISK

Duke Energy may enter into foreign currency derivatives to hedge exposure to changes in foreign currency exchange rates, such as that arising from the issuance of debt denominated in a currency other than U.S. dollars.

Fair Value Hedges

Derivatives related to existing fixed rate securities are accounted for as fair value hedges, where the derivatives' fair value gains or losses and hedged items' fair value gains or losses are both recorded directly to earnings on the same income statement line item, including foreign currency gains or losses arising from changes in the U.S. currency exchange rates. Duke Energy has elected to exclude the cross-currency basis spread from the assessment of effectiveness in the fair value hedges of its foreign currency risk and record any difference between the change in the fair value of the excluded components and the amounts recognized in earnings as a component of other comprehensive income or loss.

The following table shows Duke Energy's outstanding derivatives related to foreign currency risk at June 30, 2023.

	Pay Notional (in millions)	Pay Rate	Receive Notional (in millions)	Receive Rate	Hedge Maturity Date	Fair Value Gain (Loss)[a] (in millions) Three Months Ended June 30, 2023	2022	Six Months Ended June 30, 2023	2022
Fair value hedges									
	$ 645	4.75 %	600 euros	3.10 %	June 2028	$ 5	$ (16)	$ 10	$ (16)
	537	5.31 %	500 euros	3.85 %	June 2034	3	(13)	8	(13)
Total notional amount	$ 1,182		1,100 euros			$ 8	$ (29)	$ 18	$ (29)

(a) Amounts are recorded in Other Income and expenses, net on the Condensed Consolidated Statement of Operations, which offsets an equal translation adjustment of the foreign denominated debt. See the Condensed Consolidated Statements of Comprehensive Income for amounts excluded from the assessment of effectiveness for which the difference between changes in fair value and periodic amortization is recorded.

LOCATION AND FAIR VALUE OF DERIVATIVE ASSETS AND LIABILITIES RECOGNIZED IN THE CONDENSED CONSOLIDATED BALANCE SHEETS

The following tables show the fair value and balance sheet location of derivative instruments. Although derivatives subject to master netting arrangements are netted on the Condensed Consolidated Balance Sheets, the fair values presented below are shown gross and cash collateral on the derivatives has not been netted against the fair values shown.

Derivative Assets	**June 30, 2023**							
(in millions)	**Duke Energy**	**Duke Energy Carolinas**	**Progress Energy**	**Duke Energy Progress**	**Duke Energy Florida**	**Duke Energy Ohio**	**Duke Energy Indiana**	**Piedmont**
Commodity Contracts								
Not Designated as Hedging Instruments								
Current	$ 75	$ 16	$ 18	$ 12	$ 6	$ 4	$ 37	$ 1
Noncurrent	93	45	48	48	—	—	—	—
Total Derivative Assets – Commodity Contracts	$ 168	$ 61	$ 66	$ 60	$ 6	$ 4	$ 37	$ 1
Interest Rate Contracts								
Designated as Hedging Instruments								
Current	$ 107	$ —	$ —	$ —	$ —	$ —	$ —	$ —
Noncurrent	12	—	—	—	—	—	—	—
Not Designated as Hedging Instruments								
Current	23	—	23	—	23	—	—	—
Noncurrent	2	1	1	—	1	—	—	—
Total Derivative Assets – Interest Rate Contracts	$ 144	$ 1	$ 24	$ —	$ 24	$ —	$ —	$ —
Foreign Currency Contracts								
Designated as Hedging Instruments								
Noncurrent	10	—	—	—	—	—	—	—
Total Derivative Assets – Foreign Currency Contracts	$ 10	$ —	$ —	$ —	$ —	$ —	$ —	$ —
Total Derivative Assets	$ 322	$ 62	$ 90	$ 60	$ 30	$ 4	$ 37	$ 1

Derivative Liabilities	June 30, 2023							
(in millions)	Duke Energy	Duke Energy Carolinas	Progress Energy	Duke Energy Progress	Duke Energy Florida	Duke Energy Ohio	Duke Energy Indiana	Piedmont
Commodity Contracts								
Not Designated as Hedging Instruments								
Current	$ 235	$ 121	$ 86	$ 86	$ —	$ —	$ 6	$ 23
Noncurrent	254	62	59	59	—	—	—	133
Total Derivative Liabilities – Commodity Contracts	$ 489	$ 183	$ 145	$ 145	$ —	$ —	$ 6	$ 156
Interest Rate Contracts								
Not Designated as Hedging Instruments								
Noncurrent	4	—	1	1	—	1	1	—
Total Derivative Liabilities – Interest Rate Contracts	$ 4	$ —	$ 1	$ 1	$ —	$ 1	$ 1	$ —
Foreign Currency Contracts								
Designated as Hedging Instruments								
Current	$ 16	$ —	$ —	$ —	$ —	$ —	$ —	$ —
Total Derivative Liabilities – Foreign Currency Contracts	$ 16	$ —	$ —	$ —	$ —	$ —	$ —	$ —
Total Derivative Liabilities	$ 509	$ 183	$ 146	$ 146	$ —	$ 1	$ 7	$ 156

Derivative Assets	December 31, 2022							
(in millions)	Duke Energy	Duke Energy Carolinas	Progress Energy	Duke Energy Progress	Duke Energy Florida	Duke Energy Ohio	Duke Energy Indiana	Piedmont
Commodity Contracts								
Not Designated as Hedging Instruments								
Current	$ 265	$ 132	$ 99	$ 99	$ —	$ 5	$ 29	$ —
Noncurrent	213	104	108	108	—	—	—	—
Total Derivative Assets – Commodity Contracts	$ 478	$ 236	$ 207	$ 207	$ —	$ 5	$ 29	$ —
Interest Rate Contracts								
Designated as Hedging Instruments								
Current	$ 101	$ —	$ —	$ —	$ —	$ —	$ —	$ —
Not Designated as Hedging Instruments								
Current	$ 216	$ 94	$ 41	$ 23	$ 17	$ —	$ 81	$ —
Total Derivative Assets – Interest Rate Contracts	$ 317	$ 94	$ 41	$ 23	$ 17	$ —	$ 81	$ —
Total Derivative Assets	$ 795	$ 330	$ 248	$ 230	$ 17	$ 5	$ 110	$ —

Derivative Liabilities	December 31, 2022							
(in millions)	Duke Energy	Duke Energy Carolinas	Progress Energy	Duke Energy Progress	Duke Energy Florida	Duke Energy Ohio	Duke Energy Indiana	Piedmont
Commodity Contracts								
Not Designated as Hedging Instruments								
Current	$ 175	$ 96	$ 36	$ 18	$ 19	$ —	$ 16	$ 27
Noncurrent	202	31	30	30	—	—	—	141
Total Derivative Liabilities – Commodity Contracts	$ 377	$ 127	$ 66	$ 48	$ 19	$ —	$ 16	$ 168
Interest Rate Contracts								
Not Designated as Hedging Instruments								
Noncurrent	$ 2	$ —	$ —	$ —	$ —	$ 2	$ —	$ —
Total Derivative Liabilities – Interest Rate Contracts	$ 2	$ —	$ —	$ —	$ —	$ 2	$ —	$ —
Foreign Currency Contracts								
Designated as Hedging Instruments								
Current	$ 18	$ —	$ —	$ —	$ —	$ —	$ —	$ —
Noncurrent	40	—	—	—	—	—	—	—
Total Derivative Liabilities – Equity Securities Contracts	$ 58	$ —	$ —	$ —	$ —	$ —	$ —	$ —
Total Derivative Liabilities	$ 437	$ 127	$ 66	$ 48	$ 19	$ 2	$ 16	$ 168

OFFSETTING ASSETS AND LIABILITIES

The following tables present the line items on the Condensed Consolidated Balance Sheets where derivatives are reported. Substantially all of Duke Energy's outstanding derivative contracts are subject to enforceable master netting arrangements. The gross amounts offset in the tables below show the effect of these netting arrangements on financial position and include collateral posted to offset the net position. The amounts shown are calculated by counterparty. Accounts receivable or accounts payable may also be available to offset exposures in the event of bankruptcy. These amounts are not included in the tables below.

Derivative Assets	June 30, 2023							
(in millions)	Duke Energy	Duke Energy Carolinas	Progress Energy	Duke Energy Progress	Duke Energy Florida	Duke Energy Ohio	Duke Energy Indiana	Piedmont
Current								
Gross amounts recognized	**$ 205**	**$ 16**	**$ 41**	**$ 12**	**$ 29**	**$ 4**	**$ 37**	**$ 1**
Gross amounts offset	**(23)**	**(13)**	**(10)**	**(10)**	**—**	**—**	**—**	**—**
Net amounts presented in Current Assets: Other	**$ 182**	**$ 3**	**$ 31**	**$ 2**	**$ 29**	**$ 4**	**$ 37**	**$ 1**
Noncurrent								
Gross amounts recognized	**$ 117**	**$ 46**	**$ 49**	**$ 48**	**$ 1**	**$ —**	**$ —**	**$ —**
Gross amounts offset	**(66)**	**(33)**	**(33)**	**(33)**	**—**	**—**	**—**	**—**
Net amounts presented in Other Noncurrent Assets: Other	**$ 51**	**$ 13**	**$ 16**	**$ 15**	**$ 1**	**$ —**	**$ —**	**$ —**

Derivative Liabilities	June 30, 2023							
(in millions)	Duke Energy	Duke Energy Carolinas	Progress Energy	Duke Energy Progress	Duke Energy Florida	Duke Energy Ohio	Duke Energy Indiana	Piedmont
Current								
Gross amounts recognized	$ 251	$ 121	$ 86	$ 86	$ —	$ —	$ 6	$ 23
Gross amounts offset	(42)	(24)	(12)	(12)	—	—	(6)	—
Net amounts presented in Current Liabilities: Other	$ 209	$ 97	$ 74	$ 74	$ —	$ —	$ —	$ 23
Noncurrent								
Gross amounts recognized	$ 258	$ 62	$ 60	$ 60	$ —	$ 1	$ 1	$ 133
Gross amounts offset	(80)	(43)	(37)	(37)	—	—	—	—
Net amounts presented in Other Noncurrent Liabilities: Other	$ 178	$ 19	$ 23	$ 23	$ —	$ 1	$ 1	$ 133

Derivative Assets	December 31, 2022							
(in millions)	Duke Energy	Duke Energy Carolinas	Progress Energy	Duke Energy Progress	Duke Energy Florida	Duke Energy Ohio	Duke Energy Indiana	Piedmont
Current								
Gross amounts recognized	$ 582	$ 226	$ 140	$ 122	$ 17	$ 5	$ 110	$ —
Gross amounts offset	(64)	(33)	(30)	(30)	—	—	—	—
Net amounts presented in Current Assets: Other	$ 518	$ 193	$ 110	$ 92	$ 17	$ 5	$ 110	$ —
Noncurrent								
Gross amounts recognized	$ 213	$ 104	$ 108	$ 108	$ —	$ —	$ —	$ —
Gross amounts offset	(97)	(40)	(57)	(57)	—	—	—	—
Net amounts presented in Other Noncurrent Assets: Other	$ 116	$ 64	$ 51	$ 51	$ —	$ —	$ —	$ —

Derivative Liabilities	December 31, 2022							
(in millions)	Duke Energy	Duke Energy Carolinas	Progress Energy	Duke Energy Progress	Duke Energy Florida	Duke Energy Ohio	Duke Energy Indiana	Piedmont
Current								
Gross amounts recognized	$ 193	$ 96	$ 36	$ 18	$ 19	$ —	$ 16	$ 27
Gross amounts offset	(49)	(15)	(18)	(18)	—	—	(16)	—
Net amounts presented in Current Liabilities: Other	$ 144	$ 81	$ 18	$ —	$ 19	$ —	$ —	$ 27
Noncurrent								
Gross amounts recognized	$ 244	$ 31	$ 30	$ 30	$ —	$ 2	$ —	$ 141
Gross amounts offset	(59)	(29)	(30)	(30)	—	—	—	—
Net amounts presented in Other Noncurrent Liabilities: Other	$ 185	$ 2	$ —	$ —	$ —	$ 2	$ —	$ 141

OBJECTIVE CREDIT CONTINGENT FEATURES

Certain derivative contracts contain objective credit contingent features. These features include the requirement to post cash collateral or letters of credit if specific events occur, such as a credit rating downgrade below investment grade. The following tables show information with respect to derivative contracts that are in a net liability position and contain objective credit risk-related payment provisions.

	June 30, 2023			
(in millions)	Duke Energy	Duke Energy Carolinas	Progress Energy	Duke Energy Progress
Aggregate fair value of derivatives in a net liability position	$ 309	$ 164	$ 145	$ 145
Fair value of collateral already posted	28	22	6	6
Additional cash collateral or letters of credit in the event credit risk-related contingent features were triggered	$ 281	$ 142	$ 139	$ 139

	December 31, 2022				
(in millions)	Duke Energy	Duke Energy Carolinas	Progress Energy	Duke Energy Progress	Duke Energy Florida
Aggregate fair value of derivatives in a net liability position	$ 141	$ 86	$ 55	$ 48	$ 7
Fair value of collateral already posted	—	—	—	—	—
Additional cash collateral or letters of credit in the event credit risk-related contingent features were triggered	$ 141	$ 86	$ 55	$ 48	$ 7

The Duke Energy Registrants have elected to offset cash collateral and fair values of derivatives. For amounts to be netted, the derivative and cash collateral must be executed with the same counterparty under the same master netting arrangement.

10. INVESTMENTS IN DEBT AND EQUITY SECURITIES

Duke Energy's investments in debt and equity securities are primarily comprised of investments held in (i) the NDTF at Duke Energy Carolinas, Duke Energy Progress and Duke Energy Florida, (ii) the grantor trusts at Duke Energy Progress, Duke Energy Florida and Duke Energy Indiana related to OPEB plans and (iii) Bison. The Duke Energy Registrants classify investments in debt securities as Available for Sale (AFS) and investments in equity securities as fair value through net income (FV-NI).

For investments in debt securities classified as AFS, the unrealized gains and losses are included in other comprehensive income until realized, at which time they are reported through net income. For investments in equity securities classified as FV-NI, both realized and unrealized gains and losses are reported through net income. Substantially all of Duke Energy's investments in debt and equity securities qualify for regulatory accounting, and accordingly, all associated realized and unrealized gains and losses on these investments are deferred as a regulatory asset or liability.

Duke Energy classifies the majority of investments in debt and equity securities as long term, unless otherwise noted.

Investment Trusts

The investments within the Investment Trusts are managed by independent investment managers with discretion to buy, sell and invest pursuant to the guidelines set forth by the investment manager agreements and trust agreements. The Duke Energy Registrants have limited oversight of the day-to-day management of these investments. As a result, the ability to hold investments in unrealized loss positions is outside the control of the Duke Energy Registrants. Accordingly, all unrealized losses associated with debt securities within the Investment Trusts are recognized immediately and deferred to regulatory accounts where appropriate.

Other AFS Securities

Unrealized gains and losses on all other AFS securities are included in other comprehensive income until realized, unless it is determined the carrying value of an investment has a credit loss. The Duke Energy Registrants analyze all investment holdings each reporting period to determine whether a decline in fair value is related to a credit loss. If a credit loss exists, the unrealized credit loss is included in earnings. There were no material credit losses as of June 30, 2023, and December 31, 2022.

Other Investments amounts are recorded in Other within Other Noncurrent Assets on the Condensed Consolidated Balance Sheets.

DUKE ENERGY

The following table presents the estimated fair value of investments in debt and equity securities; equity investments are classified as FV-NI and debt investments are classified as AFS.

	June 30, 2023			December 31, 2022		
(in millions)	Gross Unrealized Holding Gains	Gross Unrealized Holding Losses	Estimated Fair Value	Gross Unrealized Holding Gains	Gross Unrealized Holding Losses	Estimated Fair Value
NDTF						
Cash and cash equivalents	$ —	$ —	$ 142	$ —	$ —	$ 215
Equity securities	4,483	34	6,836	3,658	105	5,871
Corporate debt securities	2	67	619	1	85	641
Municipal bonds	—	27	324	—	39	330
U.S. government bonds	1	92	1,495	2	112	1,423
Other debt securities	—	17	155	—	18	156
Total NDTF Investments	$ 4,486	$ 237	$ 9,571	$ 3,661	$ 359	$ 8,636
Other Investments						
Cash and cash equivalents	$ —	$ —	$ 89	$ —	$ —	$ 22
Equity securities	29	6	146	21	16	128
Corporate debt securities	—	10	84	—	12	84
Municipal bonds	—	2	80	—	3	78
U.S. government bonds	—	1	48	—	2	62
Other debt securities	—	3	53	—	3	41
Total Other Investments	$ 29	$ 22	$ 500	$ 21	$ 36	$ 415
Total Investments	$ 4,515	$ 259	$ 10,071	$ 3,682	$ 395	$ 9,051

Realized gains and losses, which were determined on a specific identification basis, from sales of FV-NI and AFS securities for the three and six months ended June 30, 2023, and 2022, were as follows.

	Three Months Ended		Six Months Ended	
(in millions)	June 30, 2023	June 30, 2022	June 30, 2023	June 30, 2022
FV-NI:				
Realized gains	$ 20	$ 34	$ 46	$ 145
Realized losses	36	101	82	186
AFS:				
Realized gains	13	11	21	15
Realized losses	27	42	59	65

DUKE ENERGY CAROLINAS

The following table presents the estimated fair value of investments in debt and equity securities; equity investments are classified as FV-NI and debt investments are classified as AFS.

	June 30, 2023			December 31, 2022		
(in millions)	Gross Unrealized Holding Gains	Gross Unrealized Holding Losses	Estimated Fair Value	Gross Unrealized Holding Gains	Gross Unrealized Holding Losses	Estimated Fair Value
NDTF						
Cash and cash equivalents	$ —	$ —	$ 53	$ —	$ —	$ 117
Equity securities	2,630	19	3,945	2,147	51	3,367
Corporate debt securities	1	49	393	1	62	401
Municipal bonds	—	5	52	—	10	64
U.S. government bonds	—	45	738	1	51	685
Other debt securities	—	17	151	—	18	148
Total NDTF Investments	$ 2,631	$ 135	$ 5,332	$ 2,149	$ 192	$ 4,782

Realized gains and losses, which were determined on a specific identification basis, from sales of FV-NI and AFS securities for the three and six months ended June 30, 2023, and 2022, were as follows.

	Three Months Ended		Six Months Ended	
(in millions)	June 30, 2023	June 30, 2022	June 30, 2023	June 30, 2022
FV-NI:				
Realized gains	$ 9	$ 18	$ 27	$ 93
Realized losses	18	55	47	104
AFS:				
Realized gains	4	9	9	12
Realized losses	8	21	28	37

PROGRESS ENERGY

The following table presents the estimated fair value of investments in debt and equity securities; equity investments are classified as FV-NI and debt investments are classified as AFS.

	June 30, 2023			December 31, 2022		
(in millions)	Gross Unrealized Holding Gains	Gross Unrealized Holding Losses	Estimated Fair Value	Gross Unrealized Holding Gains	Gross Unrealized Holding Losses	Estimated Fair Value
NDTF						
Cash and cash equivalents	$ —	$ —	$ 89	$ —	$ —	$ 98
Equity securities	1,853	15	2,891	1,511	54	2,504
Corporate debt securities	1	18	226	—	23	240
Municipal bonds	—	22	272	—	29	266
U.S. government bonds	1	47	757	1	61	738
Other debt securities	—	—	4	—	—	8
Total NDTF Investments	$ 1,855	$ 102	$ 4,239	$ 1,512	$ 167	$ 3,854
Other Investments						
Cash and cash equivalents	$ —	$ —	$ 8	$ —	$ —	$ 11
Municipal bonds	—	—	25	—	—	25
Total Other Investments	$ —	$ —	$ 33	$ —	$ —	$ 36
Total Investments	$ 1,855	$ 102	$ 4,272	$ 1,512	$ 167	$ 3,890

Realized gains and losses, which were determined on a specific identification basis, from sales of FV-NI and AFS securities for the three and six months ended June 30, 2023, and 2022, were as follows.

	Three Months Ended		Six Months Ended	
(in millions)	June 30, 2023	June 30, 2022	June 30, 2023	June 30, 2022
FV-NI:				
Realized gains	$ 11	$ 16	$ 19	$ 52
Realized losses	18	46	35	82
AFS:				
Realized gains	9	2	12	3
Realized losses	19	17	31	23

DUKE ENERGY PROGRESS

The following table presents the estimated fair value of investments in debt and equity securities; equity investments are classified as FV-NI and debt investments are classified as AFS.

	June 30, 2023			December 31, 2022		
(in millions)	Gross Unrealized Holding Gains	Gross Unrealized Holding Losses	Estimated Fair Value	Gross Unrealized Holding Gains	Gross Unrealized Holding Losses	Estimated Fair Value
NDTF						
Cash and cash equivalents	$ —	$ —	$ 77	$ —	$ —	$ 56
Equity securities	1,758	15	2,783	1,431	54	2,411
Corporate debt securities	1	17	216	—	22	230
Municipal bonds	—	22	272	—	29	266
U.S. government bonds	1	27	476	1	37	460
Other debt securities	—	—	4	—	—	7
Total NDTF Investments	$ 1,760	$ 81	$ 3,828	$ 1,432	$ 142	$ 3,430
Other Investments						
Cash and cash equivalents	$ —	$ —	$ 5	$ —	$ —	$ 9
Total Other Investments	$ —	$ —	$ 5	$ —	$ —	$ 9
Total Investments	$ 1,760	$ 81	$ 3,833	$ 1,432	$ 142	$ 3,439

Realized gains and losses, which were determined on a specific identification basis, from sales of FV-NI and AFS securities for the three and six months ended June 30, 2023, and 2022, were as follows.

	Three Months Ended		Six Months Ended	
(in millions)	June 30, 2023	June 30, 2022	June 30, 2023	June 30, 2022
FV-NI:				
Realized gains	$ 11	$ 15	$ 19	$ 51
Realized losses	17	45	34	80
AFS:				
Realized gains	8	2	11	3
Realized losses	17	15	29	20

DUKE ENERGY FLORIDA

The following table presents the estimated fair value of investments in debt and equity securities; equity investments are classified as FV-NI and debt investments are classified as AFS.

	June 30, 2023			December 31, 2022		
(in millions)	Gross Unrealized Holding Gains	Gross Unrealized Holding Losses	Estimated Fair Value	Gross Unrealized Holding Gains	Gross Unrealized Holding Losses	Estimated Fair Value
NDTF						
Cash and cash equivalents	$ —	$ —	$ 12	$ —	$ —	$ 42
Equity securities	95	—	108	80	—	93
Corporate debt securities	—	1	10	—	1	10
U.S. government bonds	—	20	281	—	24	278
Other debt securities	—	—	—	—	—	1
Total NDTF Investments[(a)]	$ 95	$ 21	$ 411	$ 80	$ 25	$ 424
Other Investments						
Cash and cash equivalents	$ —	$ —	$ 2	$ —	$ —	$ 1
Municipal bonds	—	—	25	—	—	25
Total Other Investments	$ —	$ —	$ 27	$ —	$ —	$ 26
Total Investments	$ 95	$ 21	$ 438	$ 80	$ 25	$ 450

(a) During the six months ended June 30, 2023, and the year ended December 31, 2022, Duke Energy Florida received reimbursements from the NDTF for costs related to ongoing decommissioning activity of Crystal River Unit 3.

Realized gains and losses, which were determined on a specific identification basis, from sales of FV-NI and AFS securities for the three and six months ended June 30, 2023, and 2022, were immaterial.

DUKE ENERGY INDIANA

The following table presents the estimated fair value of investments in debt and equity securities; equity investments are measured at FV-NI and debt investments are classified as AFS.

	June 30, 2023			December 31, 2022		
(in millions)	Gross Unrealized Holding Gains	Gross Unrealized Holding Losses	Estimated Fair Value	Gross Unrealized Holding Gains	Gross Unrealized Holding Losses	Estimated Fair Value
Investments						
Cash and cash equivalents	$ —	$ —	$ —	$ —	$ —	$ 1
Equity securities	4	6	91	2	16	79
Corporate debt securities	—	—	9	—	1	8
Municipal bonds	—	2	47	—	3	45
U.S. government bonds	—	—	6	—	—	7
Total Investments	$ 4	$ 8	$ 153	$ 2	$ 20	$ 140

Realized gains and losses, which were determined on a specific identification basis, from sales of FV-NI and AFS securities for the three and six months ended June 30, 2023, and 2022, were immaterial.

DEBT SECURITY MATURITIES

The table below summarizes the maturity date for debt securities.

	June 30, 2023					
(in millions)	Duke Energy	Duke Energy Carolinas	Progress Energy	Duke Energy Progress	Duke Energy Florida	Duke Energy Indiana
Due in one year or less	$ 142	$ 7	$ 121	$ 25	$ 96	$ 5
Due after one through five years	699	227	394	225	169	22
Due after five through 10 years	550	298	208	194	14	11
Due after 10 years	1,467	802	561	524	37	24
Total	$ 2,858	$ 1,334	$ 1,284	$ 968	$ 316	$ 62

11. FAIR VALUE MEASUREMENTS

Fair value is the exchange price to sell an asset or transfer a liability in an orderly transaction between market participants at the measurement date. The fair value definition focuses on an exit price versus the acquisition cost. Fair value measurements use market data or assumptions market participants would use in pricing the asset or liability, including assumptions about risk and the risks inherent in the inputs to the valuation technique. These inputs may be readily observable, corroborated by market data or generally unobservable. Valuation techniques maximize the use of observable inputs and minimize the use of unobservable inputs. A midmarket pricing convention (the midpoint price between bid and ask prices) is permitted for use as a practical expedient.

Fair value measurements are classified in three levels based on the fair value hierarchy as defined by GAAP. Certain investments are not categorized within the fair value hierarchy. These investments are measured at fair value using the net asset value per share practical expedient. The net asset value is derived based on the investment cost, less any impairment, plus or minus changes resulting from observable price changes for an identical or similar investment of the same issuer.

Fair value accounting guidance permits entities to elect to measure certain financial instruments that are not required to be accounted for at fair value, such as equity method investments or the Company's own debt, at fair value. The Duke Energy Registrants have not elected to record any of these items at fair value.

Valuation methods of the primary fair value measurements disclosed below are as follows.

Investments in equity securities

The majority of investments in equity securities are valued using Level 1 measurements. Investments in equity securities are typically valued at the closing price in the principal active market as of the last business day of the quarter. Principal active markets for equity prices include published exchanges such as the NYSE and Nasdaq Stock Market. Foreign equity prices are translated from their trading currency using the currency exchange rate in effect at the close of the principal active market. There was no after-hours market activity that was required to be reflected in the reported fair value measurements.

Investments in debt securities

Most investments in debt securities are valued using Level 2 measurements because the valuations use interest rate curves and credit spreads applied to the terms of the debt instrument (maturity and coupon interest rate) and consider the counterparty credit rating. If the market for a particular fixed-income security is relatively inactive or illiquid, the measurement is Level 3.

Commodity derivatives

Commodity derivatives with clearinghouses are classified as Level 1. Commodity derivatives with observable forward curves are classified as Level 2. If forward price curves are not observable for the full term of the contract and the unobservable period had more than an insignificant impact on the valuation, the commodity derivative is classified as Level 3. In isolation, increases (decreases) in natural gas forward prices result in favorable (unfavorable) fair value adjustments for natural gas purchase contracts; and increases (decreases) in electricity forward prices result in unfavorable (favorable) fair value adjustments for electricity sales contracts. Duke Energy regularly evaluates and validates pricing inputs used to estimate the fair value of certain commodity contracts by a market participant price verification procedure. This procedure provides a comparison of internal forward commodity curves to market participant generated curves.

Interest rate derivatives

Most over-the-counter interest rate contract derivatives are valued using financial models that utilize observable inputs for similar instruments and are classified as Level 2. Inputs include forward interest rate curves, notional amounts, interest rates and credit quality of the counterparties. Derivatives related to interest rate risk for the Commercial Renewables Disposal Groups are now classified as held for sale and are excluded from the following disclosures. See Note 2 for further information.

Foreign currency derivatives

Most over-the-counter foreign currency derivatives are valued using financial models that utilize observable inputs for similar instruments and are classified as Level 2. Inputs include forward foreign currency rate curves, notional amounts, foreign currency rates and credit quality of the counterparties.

Other fair value considerations

See Note 12 in Duke Energy's Annual Report on Form 10-K for the year ended December 31, 2022, for a discussion of the valuation of goodwill and intangible assets.

DUKE ENERGY

The following tables provide recorded balances for assets and liabilities measured at fair value on a recurring basis on the Condensed Consolidated Balance Sheets. Derivative amounts in the tables below for all Duke Energy Registrants exclude cash collateral, which is disclosed in Note 9. See Note 10 for additional information related to investments by major security type for the Duke Energy Registrants.

	June 30, 2023				
(in millions)	**Total Fair Value**	**Level 1**	**Level 2**	**Level 3**	**Not Categorized**
NDTF cash and cash equivalents	**$ 142**	**$ 142**	**$ —**	**$ —**	**$ —**
NDTF equity securities	**6,836**	**6,795**	**—**	**—**	**41**
NDTF debt securities	**2,593**	**804**	**1,789**	**—**	**—**
Other equity securities	**146**	**146**	**—**	**—**	**—**
Other debt securities	**265**	**46**	**219**	**—**	**—**
Other cash and cash equivalents	**89**	**89**	**—**	**—**	**—**
Derivative assets	**322**	**1**	**280**	**41**	**—**
Total assets	**10,393**	**8,023**	**2,288**	**41**	**41**
Derivative liabilities	**(509)**	**(5)**	**(504)**	**—**	**—**
Net assets	**$ 9,884**	**$ 8,018**	**$ 1,784**	**$ 41**	**$ 41**

	December 31, 2022				
(in millions)	**Total Fair Value**	**Level 1**	**Level 2**	**Level 3**	**Not Categorized**
NDTF cash and cash equivalents	$ 215	$ 215	$ —	$ —	$ —
NDTF equity securities	5,871	5,829	—	—	42
NDTF debt securities	2,550	780	1,770	—	—
Other equity securities	128	128	—	—	—
Other debt securities	265	55	210	—	—
Other cash and cash equivalents	22	22	—	—	—
Derivative assets	795	1	760	34	—
Total assets	9,846	7,030	2,740	34	42
Derivative liabilities	(437)	(16)	(421)	—	—
Net assets	$ 9,409	$ 7,014	$ 2,319	$ 34	$ 42

The following table provides reconciliations of beginning and ending balances of assets and liabilities measured at fair value using Level 3 measurements.

	Derivatives (net)			
	Three Months Ended June 30,		Six Months Ended June 30,	
(in millions)	2023	2022	2023	2022
Balance at beginning of period	$ 12	$ 10	$ 34	$ 24
Purchases, sales, issuances and settlements:				
Purchases	47	77	47	77
Settlements	(38)	15	(58)	8
Total gains (losses) included on the Condensed Consolidated Balance Sheet	20	(13)	18	(20)
Balance at end of period	$ 41	$ 89	$ 41	$ 89

DUKE ENERGY CAROLINAS

The following tables provide recorded balances for assets and liabilities measured at fair value on a recurring basis on the Condensed Consolidated Balance Sheets.

	June 30, 2023			
(in millions)	Total Fair Value	Level 1	Level 2	Not Categorized
NDTF cash and cash equivalents	$ 53	$ 53	$ —	$ —
NDTF equity securities	3,945	3,904	—	41
NDTF debt securities	1,334	336	998	—
Derivative assets	62	—	62	—
Total assets	5,394	4,293	1,060	41
Derivative liabilities	(183)	—	(183)	—
Net assets	$ 5,211	$ 4,293	$ 877	$ 41

	December 31, 2022			
(in millions)	Total Fair Value	Level 1	Level 2	Not Categorized
NDTF cash and cash equivalents	$ 117	$ 117	$ —	$ —
NDTF equity securities	3,367	3,325	—	42
NDTF debt securities	1,298	323	975	—
Derivative assets	330	—	330	—
Total assets	5,112	3,765	1,305	42
Derivative liabilities	(127)	—	(127)	—
Net assets	$ 4,985	$ 3,765	$ 1,178	$ 42

PROGRESS ENERGY

The following table provides recorded balances for assets and liabilities measured at fair value on a recurring basis on the Condensed Consolidated Balance Sheets.

	June 30, 2023			December 31, 2022		
(in millions)	Total Fair Value	Level 1	Level 2	Total Fair Value	Level 1	Level 2
NDTF cash and cash equivalents	$ 89	$ 89	$ —	$ 98	$ 98	$ —
NDTF equity securities	2,891	2,891	—	2,504	2,504	—
NDTF debt securities	1,259	468	791	1,252	457	795
Other debt securities	25	—	25	25	—	25
Other cash and cash equivalents	8	8	—	11	11	—
Derivative assets	90	—	90	248	—	248
Total assets	4,362	3,456	906	4,138	3,070	1,068
Derivative liabilities	(146)	—	(146)	(66)	—	(66)
Net assets	$ 4,216	$ 3,456	$ 760	$ 4,072	$ 3,070	$ 1,002

DUKE ENERGY PROGRESS

The following table provides recorded balances for assets and liabilities measured at fair value on a recurring basis on the Condensed Consolidated Balance Sheets.

	June 30, 2023			December 31, 2022		
(in millions)	Total Fair Value	Level 1	Level 2	Total Fair Value	Level 1	Level 2
NDTF cash and cash equivalents	$ 77	$ 77	$ —	$ 56	$ 56	$ —
NDTF equity securities	2,783	2,783	—	2,411	2,411	—
NDTF debt securities	968	234	734	963	225	738
Other cash and cash equivalents	5	5	—	9	9	—
Derivative assets	60	—	60	230	—	230
Total assets	3,893	3,099	794	3,669	2,701	968
Derivative liabilities	(146)	—	(146)	(48)	—	(48)
Net assets	$ 3,747	$ 3,099	$ 648	$ 3,621	$ 2,701	$ 920

DUKE ENERGY FLORIDA

The following table provides recorded balances for assets and liabilities measured at fair value on a recurring basis on the Condensed Consolidated Balance Sheets.

	June 30, 2023			December 31, 2022		
(in millions)	Total Fair Value	Level 1	Level 2	Total Fair Value	Level 1	Level 2
NDTF cash and cash equivalents	$ 12	$ 12	$ —	$ 42	$ 42	$ —
NDTF equity securities	108	108	—	93	93	—
NDTF debt securities	291	234	57	289	232	57
Other debt securities	25	—	25	25	—	25
Other cash and cash equivalents	2	2	—	1	1	—
Derivative assets	30	—	30	17	—	17
Total assets	468	356	112	467	368	99
Derivative liabilities	—	—	—	(19)	—	(19)
Net assets	$ 468	$ 356	$ 112	$ 448	$ 368	$ 80

DUKE ENERGY OHIO

The recorded balances for assets and liabilities measured at fair value on a recurring basis on the Condensed Consolidated Balance Sheets were not material at June 30, 2023, and December 31, 2022.

DUKE ENERGY INDIANA

The following table provides recorded balances for assets and liabilities measured at fair value on a recurring basis on the Condensed Consolidated Balance Sheets.

	June 30, 2023				December 31, 2022			
(in millions)	Total Fair Value	Level 1	Level 2	Level 3	Total Fair Value	Level 1	Level 2	Level 3
Other equity securities	$ 91	$ 91	$ —	$ —	$ 79	$ 79	$ —	$ —
Other debt securities	62	—	62	—	60	—	60	—
Other cash and cash equivalents	—	—	—	—	1	1	—	—
Derivative assets	37	—	—	37	110	—	81	29
Total assets	190	91	62	37	250	80	141	29
Derivative liabilities	(7)	(6)	(1)	—	(16)	(16)	—	—
Net assets	$ 183	$ 85	$ 61	$ 37	$ 234	$ 64	$ 141	$ 29

The following table provides a reconciliation of beginning and ending balances of assets and liabilities measured at fair value using Level 3 measurements.

	Derivatives (net)			
	Three Months Ended June 30,		Six Months Ended June 30,	
(in millions)	2023	2022	2023	2022
Balance at beginning of period	**$ 11**	$ 10	**$ 29**	$ 22
Purchases, sales, issuances and settlements:				
Purchases	**42**	74	**42**	74
Settlements	**(37)**	16	**(56)**	10
Total gains (losses) included on the Condensed Consolidated Balance Sheet	**21**	(16)	**22**	(22)
Balance at end of period	**$ 37**	$ 84	**$ 37**	$ 84

PIEDMONT

The following table provides recorded balances for assets and liabilities measured at fair value on a recurring basis on the Condensed Consolidated Balance Sheets.

	June 30, 2023			December 31, 2022		
(in millions)	Total Fair Value	Level 1	Level 2	Total Fair Value	Level 1	Level 2
Derivative assets	**$ 1**	**$ 1**	**$ —**	$ —	$ —	$ —
Derivative liabilities	**(156)**	**—**	**(156)**	(168)	—	(168)
Net (liabilities) assets	**$ (155)**	**$ 1**	**$ (156)**	$ (168)	$ —	$ (168)

QUANTITATIVE INFORMATION ABOUT UNOBSERVABLE INPUTS

The following tables include quantitative information about the Duke Energy Registrants' derivatives classified as Level 3.

	June 30, 2023				
Investment Type	Fair Value (in millions)	Valuation Technique	Unobservable Input	Range	Weighted Average Range
Duke Energy Ohio					
FTRs	**$ 4**	RTO auction pricing	FTR price – per MWh	**$ (0.19) - $ 2.71**	**$ 0.83**
Duke Energy Indiana					
FTRs	**37**	RTO auction pricing	FTR price – per MWh	**(1.64) - 12.51**	**1.90**
Duke Energy					
Total Level 3 derivatives	**$ 41**				

	December 31, 2022				
Investment Type	Fair Value (in millions)	Valuation Technique	Unobservable Input	Range	Weighted Average Range
Duke Energy Ohio					
FTRs	$ 5	RTO auction pricing	FTR price – per MWh	$ 0.89 - $ 6.25	$ 3.35
Duke Energy Indiana					
FTRs	29	RTO auction pricing	FTR price – per MWh	0.09 - 21.79	2.74
Duke Energy					
Total Level 3 derivatives	$ 34				

OTHER FAIR VALUE DISCLOSURES

The fair value and book value of long-term debt, including current maturities, is summarized in the following table. Debt related to the Commercial Renewables Disposal Groups is now classified as held for sale and is excluded from the following disclosures. See Note 2 for further information. Estimates determined are not necessarily indicative of amounts that could have been settled in current markets. Fair value of long-term debt uses Level 2 measurements.

	June 30, 2023		December 31, 2022	
(in millions)	Book Value	Fair Value	Book Value	Fair Value
Duke Energy[(a)]	$ **74,523**	$ **67,125**	$ 69,751	$ 61,986
Duke Energy Carolinas	**15,966**	**14,693**	14,266	12,943
Progress Energy	**23,439**	**21,546**	22,439	20,467
Duke Energy Progress	**12,041**	**10,660**	11,087	9,689
Duke Energy Florida	**9,755**	**9,106**	9,709	8,991
Duke Energy Ohio	**3,991**	**3,705**	3,245	2,927
Duke Energy Indiana	**4,503**	**4,148**	4,307	3,913
Piedmont	**3,712**	**3,272**	3,363	2,940

(a) Book value of long-term debt includes $1.13 billion and $1.17 billion at June 30, 2023, and December 31, 2022, respectively, of net unamortized debt discount and premium of purchase accounting adjustments related to the mergers with Progress Energy and Piedmont that are excluded from fair value of long-term debt.

At both June 30, 2023, and December 31, 2022, fair value of cash and cash equivalents, accounts and notes receivable, accounts payable, notes payable and commercial paper and nonrecourse notes payable of VIEs are not materially different from their carrying amounts because of the short-term nature of these instruments and/or because the stated rates approximate market rates.

12. VARIABLE INTEREST ENTITIES

CONSOLIDATED VIEs

The obligations of the consolidated VIEs discussed in the following paragraphs are nonrecourse to the Duke Energy Registrants. The registrants have no requirement to provide liquidity to, purchase assets of or guarantee performance of these VIEs unless noted in the following paragraphs.

No financial support was provided to any of the consolidated VIEs during the six months ended June 30, 2023, and the year ended December 31, 2022, or is expected to be provided in the future that was not previously contractually required.

Receivables Financing – DERF/DEPR/DEFR

DERF, DEPR and DEFR are bankruptcy remote, special purpose subsidiaries of Duke Energy Carolinas, Duke Energy Progress and Duke Energy Florida, respectively. DERF, DEPR and DEFR are wholly owned LLCs with separate legal existence from their parent companies, and their assets are not generally available to creditors of their parent companies. On a revolving basis, DERF, DEPR and DEFR buy certain accounts receivable arising from the sale of electricity and related services from their parent companies.

DERF, DEPR and DEFR borrow amounts under credit facilities to buy these receivables. Borrowing availability from the credit facilities is limited to the amount of qualified receivables purchased, which generally exclude receivables past due more than a predetermined number of days and reserves for expected past-due balances. The sole source of funds to satisfy the related debt obligations is cash collections from the receivables. Amounts borrowed under the DERF and DEPR credit facilities are reflected on the Condensed Consolidated Balance Sheets as Long-Term Debt. Amounts borrowed under the DEFR credit facility are reflected on the Condensed Consolidated Balance Sheets as Current maturities of long-term debt.

The most significant activity that impacts the economic performance of DERF, DEPR and DEFR are the decisions made to manage delinquent receivables. Duke Energy Carolinas, Duke Energy Progress and Duke Energy Florida are considered the primary beneficiaries and consolidate DERF, DEPR and DEFR, respectively, as they make those decisions.

Receivables Financing – CRC

CRC is a bankruptcy remote, special purpose entity indirectly owned by Duke Energy. On a revolving basis, CRC buys certain accounts receivable arising from the sale of electricity, natural gas and related services from Duke Energy Ohio and Duke Energy Indiana. CRC borrows amounts under a credit facility to buy the receivables from Duke Energy Ohio and Duke Energy Indiana. Borrowing availability from the credit facility is limited to the amount of qualified receivables sold to CRC, which generally exclude receivables past due more than a predetermined number of days and reserves for expected past-due balances. The sole source of funds to satisfy the related debt obligation is cash collections from the receivables. Amounts borrowed under the credit facility are reflected on Duke Energy's Condensed Consolidated Balance Sheets as Long-Term Debt.

The proceeds Duke Energy Ohio and Duke Energy Indiana receive from the sale of receivables to CRC are approximately 75% cash and 25% in the form of a subordinated note from CRC. The subordinated note is a retained interest in the receivables sold. Depending on collection experience, additional equity infusions to CRC may be required by Duke Energy to maintain a minimum equity balance of $3 million.

CRC is considered a VIE because (i) equity capitalization is insufficient to support its operations, (ii) power to direct the activities that most significantly impact the economic performance of the entity is not held by the equity holder and (iii) deficiencies in net worth of CRC are funded by Duke Energy. The most significant activities that impact the economic performance of CRC are decisions made to manage delinquent receivables. Duke Energy is considered the primary beneficiary and consolidates CRC as it makes these decisions. Neither Duke Energy Ohio nor Duke Energy Indiana consolidate CRC.

Receivables Financing – Credit Facilities

The following table summarizes the amounts and expiration dates of the credit facilities and associated restricted receivables described above.

	Duke Energy			
		Duke Energy Carolinas	Duke Energy Progress	Duke Energy Florida
(in millions)	**CRC**	**DERF**	**DEPR**	**DEFR**
Expiration date	February 2025	January 2025	April 2025	April 2024
Credit facility amount	$ 350	$ 500	$ 400	$ 325
Amounts borrowed at June 30, 2023	**323**	**488**	**400**	**325**
Amounts borrowed at December 31, 2022	350	471	400	250
Restricted Receivables at June 30, 2023	**645**	**855**	**694**	**613**
Restricted Receivables at December 31, 2022	917	928	793	490

Nuclear Asset-Recovery Bonds – Duke Energy Florida Project Finance

Duke Energy Florida Project Finance, LLC (DEFPF) is a bankruptcy remote, wholly owned special purpose subsidiary of Duke Energy Florida. DEFPF was formed in 2016 for the sole purpose of issuing nuclear asset-recovery bonds to finance Duke Energy Florida's unrecovered regulatory asset related to Crystal River Unit 3.

In 2016, DEFPF issued senior secured bonds and used the proceeds to acquire nuclear asset-recovery property from Duke Energy Florida. The nuclear asset-recovery property acquired includes the right to impose, bill, collect and adjust a non-bypassable nuclear asset-recovery charge from all Duke Energy Florida retail customers until the bonds are paid in full and all financing costs have been recovered. The nuclear asset-recovery bonds are secured by the nuclear asset-recovery property and cash collections from the nuclear asset-recovery charges are the sole source of funds to satisfy the debt obligation. The bondholders have no recourse to Duke Energy Florida.

DEFPF is considered a VIE primarily because the equity capitalization is insufficient to support its operations. Duke Energy Florida has the power to direct the significant activities of the VIE as described above and therefore Duke Energy Florida is considered the primary beneficiary and consolidates DEFPF.

The following table summarizes the impact of DEFPF on Duke Energy Florida's Condensed Consolidated Balance Sheets.

(in millions)	**June 30, 2023**	**December 31, 2022**
Receivables of VIEs	**$ 5**	$ 6
Regulatory Assets: Current	**56**	55
Current Assets: Other	**36**	41
Other Noncurrent Assets: Regulatory assets	**803**	826
Current Liabilities: Other	**9**	9
Current maturities of long-term debt	**57**	56
Long-Term Debt	**859**	890

Storm Recovery Bonds – Duke Energy Carolinas NC Storm Funding and Duke Energy Progress NC Storm Funding

Duke Energy Carolinas NC Storm Funding, LLC (DECNCSF) and Duke Energy Progress NC Storm Funding, LLC (DEPNCSF) are bankruptcy remote, wholly owned special purpose subsidiaries of Duke Energy Carolinas and Duke Energy Progress, respectively. These entities were formed in 2021 for the sole purpose of issuing storm recovery bonds to finance certain of Duke Energy Carolinas' and Duke Energy Progress' unrecovered regulatory assets related to storm costs.

In November 2021, DECNCSF and DEPNCSF issued $237 million and $770 million of senior secured bonds, respectively and used the proceeds to acquire storm recovery property from Duke Energy Carolinas and Duke Energy Progress. The storm recovery property was created by state legislation and NCUC financing orders for the purpose of financing storm costs incurred in 2018 and 2019. The storm recovery property acquired includes the right to impose, bill, collect and adjust a non-bypassable charge from all Duke Energy Carolinas' and Duke Energy Progress' retail customers until the bonds are paid in full and all financing costs have been recovered. The storm recovery bonds are secured by the storm recovery property and cash collections from the storm recovery charges are the sole source of funds to satisfy the debt obligation. The bondholders have no recourse to Duke Energy Carolinas or Duke Energy Progress.

DECNCSF and DEPNCSF are considered VIEs primarily because the equity capitalization is insufficient to support their operations. Duke Energy Carolinas and Duke Energy Progress have the power to direct the significant activities of the VIEs as described above and therefore Duke Energy Carolinas and Duke Energy Progress are considered the primary beneficiaries and consolidate DECNCSF and DEPNCSF, respectively.

The following table summarizes the impact of these VIEs on Duke Energy Carolinas' and Duke Energy Progress' Consolidated Balance Sheets.

(in millions)	June 30, 2023 Duke Energy Carolinas	June 30, 2023 Duke Energy Progress	December 31, 2022 Duke Energy Carolinas	December 31, 2022 Duke Energy Progress
Regulatory Assets: Current	$ 12	$ 39	$ 12	$ 39
Current Assets: Other	8	25	8	29
Other Noncurrent Assets: Regulatory assets	202	662	208	681
Other Noncurrent Assets: Other	1	4	1	2
Current Liabilities: Other	3	8	3	8
Current maturities of long-term debt	10	34	10	34
Long-Term Debt	214	697	219	714

NON-CONSOLIDATED VIEs

The following tables summarize the impact of non-consolidated VIEs on the Condensed Consolidated Balance Sheets.

	June 30, 2023		
(in millions)	Duke Energy Natural Gas Investments	Duke Energy Ohio	Duke Energy Indiana
Receivables from affiliated companies	$ —	$ 131	$ 183
Investments in equity method unconsolidated affiliates	58	—	—
Other noncurrent assets	46	—	—
Total assets	$ 104	$ 131	$ 183
Other current liabilities	23	—	—
Other noncurrent liabilities	49	—	—
Total liabilities	$ 72	$ —	$ —
Net assets	$ 32	$ 131	$ 183

	December 31, 2022		
(in millions)	Duke Energy Natural Gas Investments	Duke Energy Ohio	Duke Energy Indiana
Receivables from affiliated companies	$ —	$ 198	$ 317
Investments in equity method unconsolidated affiliates	43	—	—
Other noncurrent assets	45	—	—
Total assets	$ 88	$ 198	$ 317
Other current liabilities	59	—	—
Other noncurrent liabilities	47	—	—
Total liabilities	$ 106	$ —	$ —
Net (liabilities) assets	$ (18)	$ 198	$ 317

The Duke Energy Registrants are not aware of any situations where the maximum exposure to loss significantly exceeds the carrying values shown above.

Natural Gas Investments

Duke Energy has investments in various joint ventures including pipeline and renewable natural gas projects. These entities are considered VIEs due to having insufficient equity to finance their own activities without subordinated financial support. Duke Energy does not have the power to direct the activities that most significantly impact the economic performance, the obligation to absorb losses or the right to receive benefits of these VIEs and therefore does not consolidate these entities.

CRC

See discussion under Consolidated VIEs for additional information related to CRC.

Amounts included in Receivables from affiliated companies in the above table for Duke Energy Ohio and Duke Energy Indiana reflect their retained interest in receivables sold to CRC. These subordinated notes held by Duke Energy Ohio and Duke Energy Indiana are stated at fair value.

The following table shows the gross and net receivables sold.

	Duke Energy Ohio		Duke Energy Indiana	
(in millions)	June 30, 2023	December 31, 2022	June 30, 2023	December 31, 2022
Receivables sold	**$ 354**	$ 423	**$ 333**	$ 508
Less: Retained interests	**131**	198	**183**	317
Net receivables sold	**$ 223**	$ 225	**$ 150**	$ 191

The following table shows sales and cash flows related to receivables sold.

	Duke Energy Ohio Six Months Ended June 30,		Duke Energy Indiana Six Months Ended June 30,	
(in millions)	2023	2022	2023	2022
Sales				
Receivables sold	**$ 1,381**	$ 1,247	**$ 1,665**	$ 1,617
Loss recognized on sale	**17**	7	**19**	6
Cash flows				
Cash proceeds from receivables sold	**$ 1,445**	$ 1,188	**$ 1,793**	$ 1,484
Collection fees received	**1**	1	**1**	1
Return received on retained interests	**10**	3	**13**	4

Cash flows from sales of receivables are reflected within Cash Flows From Operating Activities and Cash Flows from Investing Activities on Duke Energy Ohio's and Duke Energy Indiana's Condensed Consolidated Statements of Cash Flows.

13. REVENUE

Duke Energy earns substantially all of its revenues through its reportable segments, EU&I and GU&I.

Electric Utilities and Infrastructure

EU&I earns the majority of its revenues through retail and wholesale electric service through the generation, transmission, distribution and sale of electricity. Duke Energy generally provides retail and wholesale electric service customers with their full electric load requirements or with supplemental load requirements when the customer has other sources of electricity.

The majority of wholesale revenues are full requirements contracts where the customers purchase the substantial majority of their energy needs and do not have a fixed quantity of contractually required energy or capacity. As such, related forecasted revenues are considered optional purchases. Supplemental requirements contracts that include contracted blocks of energy and capacity at contractually fixed prices have the following estimated remaining performance obligations:

	Remaining Performance Obligations						
(in millions)	2023	2024	2025	2026	2027	Thereafter	Total
Progress Energy	**$ 31**	$ 66	$ 7	$ 7	$ 7	$ 36	$ 154
Duke Energy Progress	**4**	8	—	—	—	—	12
Duke Energy Florida	**27**	58	7	7	7	36	142
Duke Energy Indiana	**8**	16	17	15	7	5	68

Revenues for block sales are recognized monthly as energy is delivered and stand-ready service is provided, consistent with invoiced amounts and unbilled estimates.

Gas Utilities and Infrastructure

GU&I earns its revenue through retail and wholesale natural gas service through the transportation, distribution and sale of natural gas. Duke Energy generally provides retail and wholesale natural gas service customers with all natural gas load requirements. Additionally, while natural gas can be stored, substantially all natural gas provided by Duke Energy is consumed by customers simultaneously with receipt of delivery.

Fixed-capacity payments under long-term contracts for the GU&I segment include minimum margin contracts and supply arrangements with municipalities and power generation facilities. Revenues for related sales are recognized monthly as natural gas is delivered and stand-ready service is provided, consistent with invoiced amounts and unbilled estimates. Estimated remaining performance obligations are as follows:

	Remaining Performance Obligations						
(in millions)	2023	2024	2025	2026	2027	Thereafter	Total
Piedmont	**$ 33**	$ 62	$ 61	$ 51	$ 49	$ 241	$ 497

Other

The remainder of Duke Energy's operations is presented as Other, which does not include material revenues from contracts with customers.

Disaggregated Revenues

Disaggregated revenues are presented as follows:

	Three Months Ended June 30, 2023							
(in millions) **By market or type of customer**	**Duke Energy**	**Duke Energy Carolinas**	**Progress Energy**	**Duke Energy Progress**	**Duke Energy Florida**	**Duke Energy Ohio**	**Duke Energy Indiana**	**Piedmont**
Electric Utilities and Infrastructure								
Residential	$ 2,740	$ 715	$ 1,555	$ 539	$ 1,016	$ 208	$ 262	$ —
General	1,876	607	914	369	545	141	212	—
Industrial	827	320	274	180	94	56	177	—
Wholesale	498	126	294	259	35	12	66	—
Other revenues	189	49	144	70	74	22	32	—
Total Electric Utilities and Infrastructure revenue from contracts with customers	$ 6,130	$ 1,817	$ 3,181	$ 1,417	$ 1,764	$ 439	$ 749	$ —
Gas Utilities and Infrastructure								
Residential	$ 179	$ —	$ —	$ —	$ —	$ 82	$ —	$ 97
Commercial	100	—	—	—	—	31	—	69
Industrial	30	—	—	—	—	6	—	24
Power Generation	—	—	—	—	—	—	—	23
Other revenues	25	—	—	—	—	5	—	5
Total Gas Utilities and Infrastructure revenue from contracts with customers	$ 334	$ —	$ —	$ —	$ —	$ 124	$ —	$ 218
Other								
Revenue from contracts with customers	$ 9	$ —	$ —	$ —	$ —	$ —	$ —	$ —
Total revenue from contracts with customers	$ 6,473	$ 1,817	$ 3,181	$ 1,417	$ 1,764	$ 563	$ 749	$ 218
Other revenue sources[a]	$ 105	$ 11	$ 31	$ 8	$ 18	$ 26	$ 31	$ 18
Total revenues	$ 6,578	$ 1,828	$ 3,212	$ 1,425	$ 1,782	$ 589	$ 780	$ 236

	Three Months Ended June 30, 2022							
(in millions) By market or type of customer	Duke Energy	Duke Energy Carolinas	Progress Energy	Duke Energy Progress	Duke Energy Florida	Duke Energy Ohio	Duke Energy Indiana	Piedmont
Electric Utilities and Infrastructure								
Residential	$ 2,625	$ 736	$ 1,400	$ 530	$ 870	$ 196	$ 296	$ —
General	1,817	566	889	370	519	111	251	—
Industrial	824	296	274	184	90	33	220	—
Wholesale	629	103	389	281	108	35	102	—
Other revenues	202	92	247	210	37	20	23	—
Total Electric Utilities and Infrastructure revenue from contracts with customers	$ 6,097	$ 1,793	$ 3,199	$ 1,575	$ 1,624	$ 395	$ 892	$ —
Gas Utilities and Infrastructure								
Residential	$ 197	$ —	$ —	$ —	$ —	$ 94	$ —	$ 103
Commercial	127	—	—	—	—	38	—	90
Industrial	34	—	—	—	—	6	—	28
Power Generation	—	—	—	—	—	—	—	23
Other revenues	66	—	—	—	—	6	—	44
Total Gas Utilities and Infrastructure revenue from contracts with customers	$ 424	$ —	$ —	$ —	$ —	$ 144	$ —	$ 288
Other								
Revenue from contracts with customers	$ 8	$ —	$ —	$ —	$ —	$ —	$ —	$ —
Total revenue from contracts with customers	$ 6,529	$ 1,793	$ 3,199	$ 1,575	$ 1,624	$ 539	$ 892	$ 288
Other revenue sources[(a)]	$ 35	$ (12)	$ 15	$ 6	$ 4	$ 6	$ 26	$ 22
Total revenues	$ 6,564	$ 1,781	$ 3,214	$ 1,581	$ 1,628	$ 545	$ 918	$ 310

(a) Other revenue sources include revenues from leases, derivatives and alternative revenue programs that are not considered revenues from contracts with customers. Alternative revenue programs in certain jurisdictions include regulatory mechanisms that periodically adjust for over or under collection of related revenues.

(in millions) By market or type of customer	Six Months Ended June 30, 2023 Duke Energy	Duke Energy Carolinas	Progress Energy	Duke Energy Progress	Duke Energy Florida	Duke Energy Ohio	Duke Energy Indiana	Piedmont
Electric Utilities and Infrastructure								
Residential	$ 5,591	$ 1,539	$ 2,976	$ 1,146	$ 1,830	$ 442	$ 634	$ —
General	3,707	1,195	1,755	727	1,028	276	482	—
Industrial	1,718	616	546	357	189	127	428	—
Wholesale	1,048	261	642	578	64	21	124	—
Other revenues	333	127	265	138	127	49	47	—
Total Electric Utilities and Infrastructure revenue from contracts with customers	$ 12,397	$ 3,738	$ 6,184	$ 2,946	$ 3,238	$ 915	$ 1,715	$ —
Gas Utilities and Infrastructure								
Residential	$ 686	$ —	$ —	$ —	$ —	$ 244	$ —	$ 442
Commercial	333	—	—	—	—	89	—	244
Industrial	77	—	—	—	—	15	—	61
Power Generation	—	—	—	—	—	—	—	46
Other revenues	65	—	—	—	—	11	—	24
Total Gas Utilities and Infrastructure revenue from contracts with customers	$ 1,161	$ —	$ —	$ —	$ —	$ 359	$ —	$ 817
Other								
Revenue from contracts with customers	$ 16	$ —	$ —	$ —	$ —	$ —	$ —	$ —
Total Revenue from contracts with customers	$ 13,574	$ 3,738	$ 6,184	$ 2,946	$ 3,238	$ 1,274	$ 1,715	$ 817
Other revenue sources[(a)]	$ 280	$ 24	$ 76	$ 12	$ 54	$ 24	$ 40	$ 94
Total revenues	$ 13,854	$ 3,762	$ 6,260	$ 2,958	$ 3,292	$ 1,298	$ 1,755	$ 911

(a) Other revenue sources include revenues from leases, derivatives and alternative revenue programs that are not considered revenues from contracts with customers. Alternative revenue programs in certain jurisdictions include regulatory mechanisms that periodically adjust for over or under collection of related revenues.

	Six Months Ended June 30, 2022							
(in millions) By market or type of customer	Duke Energy	Duke Energy Carolinas	Progress Energy	Duke Energy Progress	Duke Energy Florida	Duke Energy Ohio	Duke Energy Indiana	Piedmont
Electric Utilities and Infrastructure								
Residential	$ 5,392	$ 1,567	$ 2,768	$ 1,154	$ 1,614	$ 407	$ 650	$ —
General	3,421	1,110	1,615	695	920	227	469	—
Industrial	1,596	572	544	378	166	68	412	—
Wholesale	1,255	216	800	630	170	58	181	—
Other revenues	404	203	458	349	109	41	(13)	—
Total Electric Utilities and Infrastructure revenue from contracts with customers	$ 12,068	$ 3,668	$ 6,185	$ 3,206	$ 2,979	$ 801	$ 1,699	$ —
Gas Utilities and Infrastructure								
Residential	$ 769	$ —	$ —	$ —	$ —	$ 243	$ —	$ 526
Commercial	396	—	—	—	—	102	—	294
Industrial	91	—	—	—	—	13	—	78
Power Generation	—	—	—	—	—	—	—	47
Other revenues	181	—	—	—	—	12	—	137
Total Gas Utilities and Infrastructure revenue from contracts with customers	$ 1,437	$ —	$ —	$ —	$ —	$ 370	$ —	$ 1,082
Other								
Revenue from contracts with customers	$ 15	$ —	$ —	$ —	$ —	$ —	$ —	$ —
Total Revenue from contracts with customers	$ 13,520	$ 3,668	$ 6,185	$ 3,206	$ 2,979	$ 1,171	$ 1,699	$ 1,082
Other revenue sources[(a)]	$ 55	$ 1	$ 21	$ 7	$ 4	$ 12	$ 41	$ 33
Total revenues	$ 13,575	$ 3,669	$ 6,206	$ 3,213	$ 2,983	$ 1,183	$ 1,740	$ 1,115

(a) Other revenue sources include revenues from leases, derivatives and alternative revenue programs that are not considered revenues from contracts with customers. Alternative revenue programs in certain jurisdictions include regulatory mechanisms that periodically adjust for over or under collection of related revenues.

The following table presents the reserve for credit losses for trade and other receivables.

	Three Months Ended June 30, 2022 and 2023							
(in millions)	Duke Energy	Duke Energy Carolinas	Progress Energy	Duke Energy Progress	Duke Energy Florida	Duke Energy Ohio	Duke Energy Indiana	Piedmont
Balance at March 31, 2022	$ 139	$ 52	$ 51	$ 31	$ 21	$ 4	$ 3	$ 17
Write-Offs	(31)	(16)	(9)	(5)	(5)	—	—	(5)
Credit Loss Expense	20	8	7	2	5	—	—	3
Other Adjustments	7	8	3	3	—	—	—	—
Balance at June 30, 2022	$ 135	$ 52	$ 52	$ 31	$ 21	$ 4	$ 3	$ 15
Balance at March 31, 2023	$ 214	$ 70	$ 75	$ 45	$ 30	$ 7	$ 4	$ 14
Write-Offs	**(43)**	**(20)**	**(18)**	**(10)**	**(8)**	**—**	**—**	**(5)**
Credit Loss Expense	**23**	**6**	**12**	**4**	**8**	**1**	**—**	**4**
Other Adjustments	**5**	**1**	**4**	**4**	**—**	**—**	**—**	**—**
Balance at June 30, 2023	**$ 199**	**$ 57**	**$ 73**	**$ 43**	**$ 30**	**$ 8**	**$ 4**	**$ 13**

	Six Months Ended June 30, 2022 and 2023							
(in millions)	Duke Energy	Duke Energy Carolinas	Progress Energy	Duke Energy Progress	Duke Energy Florida	Duke Energy Ohio	Duke Energy Indiana	Piedmont
Balance at December 31, 2021	$ 121	$ 42	$ 36	$ 21	$ 16	$ 4	$ 3	$ 15
Write-Offs	(54)	(25)	(19)	(7)	(13)	—	—	(6)
Credit Loss Expense	44	13	19	6	13	—	—	6
Other Adjustments	24	22	16	11	5	—	—	—
Balance at June 30, 2022	$ 135	$ 52	$ 52	$ 31	$ 21	$ 4	$ 3	$ 15
Balance at December 31, 2022	$ 216	$ 68	$ 81	$ 44	$ 36	$ 6	$ 4	$ 14
Write-Offs	**(85)**	**(40)**	**(40)**	**(19)**	**(20)**	**—**	**—**	**(6)**
Credit Loss Expense	**39**	**13**	**18**	**5**	**13**	**2**	**—**	**5**
Other Adjustments	**29**	**16**	**14**	**13**	**1**	**—**	**—**	**—**
Balance at June 30, 2023	**$ 199**	**$ 57**	**$ 73**	**$ 43**	**$ 30**	**$ 8**	**$ 4**	**$ 13**

Trade and other receivables are evaluated based on an estimate of the risk of loss over the life of the receivable and current and historical conditions using supportable assumptions. Management evaluates the risk of loss for trade and other receivables by comparing the historical write-off amounts to total revenue over a specified period. Historical loss rates are adjusted due to the impact of current conditions, as well as forecasted conditions over a reasonable time period. The calculated write-off rate can be applied to the receivable balance for which an established reserve does not already exist. Management reviews the assumptions and risk of loss periodically for trade and other receivables.

The aging of trade receivables is presented in the table below.

	June 30, 2023							
(in millions)	Duke Energy	Duke Energy Carolinas	Progress Energy	Duke Energy Progress	Duke Energy Florida	Duke Energy Ohio	Duke Energy Indiana	Piedmont
Unbilled Revenue[(a)(b)]	**$ 1,123**	**$ 441**	**$ 354**	**$ 215**	**$ 139**	**$ 3**	**$ 26**	**$ 5**
Current	**2,148**	**593**	**1,022**	**535**	**485**	**27**	**104**	**102**
1-31 days past due	**244**	**58**	**124**	**51**	**73**	**3**	**15**	**8**
31-61 days past due	**108**	**25**	**48**	**37**	**11**	**5**	**9**	**5**
61-91 days past due	**41**	**9**	**11**	**5**	**6**	**2**	**8**	**4**
91+ days past due	**251**	**74**	**69**	**22**	**47**	**54**	**20**	**5**
Deferred Payment Arrangements[(c)]	**112**	**36**	**46**	**30**	**16**	**3**	**—**	**1**
Trade and Other Receivables	**$ 4,027**	**$ 1,236**	**$ 1,674**	**$ 895**	**$ 777**	**$ 97**	**$ 182**	**$ 130**

	December 31, 2022							
(in millions)	Duke Energy	Duke Energy Carolinas	Progress Energy	Duke Energy Progress	Duke Energy Florida	Duke Energy Ohio	Duke Energy Indiana	Piedmont
Unbilled Revenue[(a)(b)]	$ 1,457	$ 486	$ 355	$ 232	$ 123	$ 20	$ 28	$ 160
Current	2,347	577	1,059	637	417	15	52	265
1-31 days past due	261	96	60	15	45	5	17	15
31-61 days past due	123	23	61	49	12	6	2	3
61-91 days past due	74	25	18	9	9	3	11	2
91+ days past due	209	70	74	27	47	26	6	4
Deferred Payment Arrangements[(c)]	160	57	62	35	27	4	—	1
Trade and Other Receivables	$ 4,631	$ 1,334	$ 1,689	$ 1,004	$ 680	$ 79	$ 116	$ 450

(a) Unbilled revenues are recognized by applying customer billing rates to the estimated volumes of energy or natural gas delivered but not yet billed and are included within Receivables and Receivables of VIEs on the Condensed Consolidated Balance Sheets.

(b) Duke Energy Ohio and Duke Energy Indiana sell, on a revolving basis, nearly all of their retail accounts receivable, including receivables for unbilled revenues, to an affiliate, CRC, and account for the transfers of receivables as sales. Accordingly, the receivables sold are not reflected on the Condensed Consolidated Balance Sheets of Duke Energy Ohio and Duke Energy Indiana. See Note 12 for further information. These receivables for unbilled revenues are $122 million and $172 million for Duke Energy Ohio and Duke Energy Indiana, respectively, as of June 30, 2023, and $148 million and $260 million for Duke Energy Ohio and Duke Energy Indiana, respectively, as of December 31, 2022.

(c) Due to ongoing financial hardships impacting customers, Duke Energy has permitted customers to defer payment of past-due amounts through installment payment plans.

14. STOCKHOLDERS' EQUITY

Basic EPS is computed by dividing net income available to Duke Energy common stockholders, as adjusted for distributed and undistributed earnings allocated to participating securities and accumulated preferred dividends, by the weighted average number of common shares outstanding during the period. Diluted EPS is computed by dividing net income available to Duke Energy common stockholders, as adjusted for distributed and undistributed earnings allocated to participating securities and accumulated preferred dividends, by the diluted weighted average number of common shares outstanding during the period. Diluted EPS reflects the potential dilution that could occur if securities or other agreements to issue common stock, such as equity forward sale agreements or convertible debt, were exercised or settled. Duke Energy applies the if-converted method for calculating any potential dilutive effect of the conversion of the outstanding convertible notes on diluted EPS, if applicable. Duke Energy's participating securities are restricted stock units that are entitled to dividends declared on Duke Energy common stock during the restricted stock unit's vesting periods. Dividends declared on preferred stock are recorded on the Condensed Consolidated Statements of Operations as a reduction of net income to arrive at net income available to Duke Energy common stockholders. Dividends accumulated on preferred stock are an adjustment to net income used in the calculation of basic and diluted EPS.

The following table presents Duke Energy's basic and diluted EPS calculations, the weighted average number of common shares outstanding and common and preferred share dividends declared.

	Three Months Ended June 30,		Six Months Ended June 30,	
(in millions, except per share amounts)	**2023**	2022	**2023**	2022
Net (Loss) Income available to Duke Energy common stockholders	**$ (234)**	$ 893	**$ 531**	$ 1,711
Less: (Loss) Income from discontinued operations attributable to Duke Energy common stockholders	**(948)**	27	**(1,093)**	39
Accumulated preferred stock dividends adjustment	**(12)**	(12)	**—**	—
Less: Impact of participating securities	**1**	—	**2**	1
Income from continuing operations available to Duke Energy common stockholders	**$ 701**	$ 854	**$ 1,622**	$ 1,671
Loss from discontinued operations, net of tax	**$ (955)**	$ (18)	**$ (1,164)**	$ (33)
Add: Loss attributable to NCI	**7**	45	**71**	72
(Loss) Income from discontinued operations attributable to Duke Energy common stockholders	**$ (948)**	$ 27	**$ (1,093)**	$ 39
Weighted average common shares outstanding – basic and diluted	**771**	770	**770**	770
EPS from continuing operations available to Duke Energy common stockholders				
Basic and diluted[(a)]	**$ 0.91**	$ 1.11	**$ 2.10**	$ 2.17
(Loss) Earnings Per Share from discontinued operations attributable to Duke Energy common stockholders				
Basic and diluted[(a)]	**$ (1.23)**	$ 0.03	**$ (1.41)**	$ 0.05
Potentially dilutive items excluded from the calculation[(b)]	**2**	2	**2**	2
Dividends declared per common share	**$ 1.005**	$ 0.985	**$ 2.010**	$ 1.970
Dividends declared on Series A preferred stock per depositary share[(c)]	**$ 0.359**	$ 0.359	**$ 0.719**	$ 0.719
Dividends declared on Series B preferred stock per share[(d)]	**$ —**	$ —	**$ 24.375**	$ 24.375

(a) For the periods presented subsequent to issuance in April 2023, the convertible notes were excluded from the calculations of diluted EPS because the effect was antidilutive.
(b) Performance stock awards were not included in the dilutive securities calculation because the performance measures related to the awards had not been met.
(c) 5.75% Series A Cumulative Redeemable Perpetual Preferred Stock dividends are payable quarterly in arrears on the 16th day of March, June, September and December. The preferred stock has a $25 liquidation preference per depositary share.
(d) 4.875% Series B Fixed-Rate Reset Cumulative Redeemable Perpetual Preferred Stock dividends are payable semiannually in arrears on the 16th day of March and September. The preferred stock has a $1,000 liquidation preference per share.

15. EMPLOYEE BENEFIT PLANS

DEFINED BENEFIT RETIREMENT PLANS

Duke Energy and certain subsidiaries maintain, and the Subsidiary Registrants participate in, qualified and non-qualified, non-contributory defined benefit retirement plans. Duke Energy's policy is to fund amounts on an actuarial basis to provide assets sufficient to meet benefit payments to be paid to plan participants.

QUALIFIED PENSION PLANS

The following tables include the components of net periodic pension costs for qualified pension plans.

	Three Months Ended June 30, 2023							
(in millions)	**Duke Energy**	**Duke Energy Carolinas**	**Progress Energy**	**Duke Energy Progress**	**Duke Energy Florida**	**Duke Energy Ohio**	**Duke Energy Indiana**	**Piedmont**
Service cost	**$ 29**	**$ 9**	**$ 7**	**$ 5**	**$ 4**	**$ —**	**$ 2**	**$ 1**
Interest cost on projected benefit obligation	**86**	**21**	**27**	**13**	**15**	**5**	**7**	**3**
Expected return on plan assets	**(147)**	**(40)**	**(49)**	**(23)**	**(26)**	**(6)**	**(10)**	**(5)**
Amortization of actuarial loss	**3**	**1**	**1**	**1**	**—**	**—**	**—**	**—**
Amortization of prior service credit	**(4)**	**—**	**—**	**—**	**—**	**—**	**(1)**	**(2)**
Amortization of settlement charges	**4**	**2**	**1**	**1**	**1**	**—**	**1**	**1**
Net periodic pension costs	**$ (29)**	**$ (7)**	**$ (13)**	**$ (3)**	**$ (6)**	**$ (1)**	**$ (1)**	**$ (2)**

	Three Months Ended June 30, 2022							
(in millions)	Duke Energy	Duke Energy Carolinas	Progress Energy	Duke Energy Progress	Duke Energy Florida	Duke Energy Ohio	Duke Energy Indiana	Piedmont
Service cost	$ 41	$ 14	$ 11	$ 7	$ 6	$ 1	$ 2	$ 2
Interest cost on projected benefit obligation	59	13	18	8	10	3	5	2
Expected return on plan assets	(141)	(38)	(47)	(22)	(24)	(6)	(10)	(6)
Amortization of actuarial loss	23	5	7	4	3	1	3	1
Amortization of prior service credit	(4)	(1)	—	—	—	—	(1)	(2)
Amortization of settlement charges	2	2	—	1	—	—	—	—
Net periodic pension costs	$ (20)	$ (5)	$ (11)	$ (2)	$ (5)	$ (1)	$ (1)	$ (3)

	Six Months Ended June 30, 2023							
(in millions)	Duke Energy	Duke Energy Carolinas	Progress Energy	Duke Energy Progress	Duke Energy Florida	Duke Energy Ohio	Duke Energy Indiana	Piedmont
Service cost	**$ 59**	**$ 19**	**$ 16**	**$ 10**	**$ 7**	**$ 1**	**$ 3**	**$ 2**
Interest cost on projected benefit obligation	**172**	**42**	**54**	**25**	**29**	**9**	**14**	**5**
Expected return on plan assets	**(294)**	**(80)**	**(99)**	**(46)**	**(52)**	**(12)**	**(20)**	**(10)**
Amortization of actuarial loss	**5**	**1**	**2**	**1**	**1**	**—**	**1**	**—**
Amortization of prior service credit	**(7)**	**—**	**—**	**—**	**—**	**—**	**(1)**	**(4)**
Amortization of settlement charges	**9**	**4**	**2**	**2**	**1**	**—**	**1**	**2**
Net periodic pension costs	**$ (56)**	**$ (14)**	**$ (25)**	**$ (8)**	**$ (14)**	**$ (2)**	**$ (2)**	**$ (5)**

	Six Months Ended June 30, 2022							
(in millions)	Duke Energy	Duke Energy Carolinas	Progress Energy	Duke Energy Progress	Duke Energy Florida	Duke Energy Ohio	Duke Energy Indiana	Piedmont
Service cost	$ 81	$ 26	$ 23	$ 14	$ 10	$ 2	$ 4	$ 3
Interest cost on projected benefit obligation	117	27	36	16	20	6	10	4
Expected return on plan assets	(281)	(76)	(93)	(44)	(48)	(11)	(19)	(12)
Amortization of actuarial loss	47	10	13	7	6	2	5	3
Amortization of prior service credit	(9)	(2)	—	—	—	—	(1)	(4)
Amortization of settlement charges	4	3	1	1	—	—	—	—
Net periodic pension costs	$ (41)	$ (12)	$ (20)	$ (6)	$ (12)	$ (1)	$ (1)	$ (6)

NON-QUALIFIED PENSION PLANS

Net periodic pension costs for non-qualified pension plans were not material for the three and six months ended June 30, 2023, and 2022.

OTHER POST-RETIREMENT BENEFIT PLANS

Net periodic costs for OPEB plans were not material for the three and six months ended June 30, 2023, and 2022.

16. INCOME TAXES

EFFECTIVE TAX RATES

The ETRs from continuing operations for each of the Duke Energy Registrants are included in the following table.

	Three Months Ended June 30,		Six Months Ended June 30,	
	2023	2022	2023	2022
Duke Energy	**13.7 %**	11.3 %	**13.7 %**	7.4 %
Duke Energy Carolinas	**10.6 %**	7.3 %	**11.0 %**	7.4 %
Progress Energy	**16.7 %**	16.8 %	**16.7 %**	16.4 %
Duke Energy Progress	**14.1 %**	13.8 %	**14.4 %**	13.9 %
Duke Energy Florida	**19.9 %**	20.2 %	**19.9 %**	20.1 %
Duke Energy Ohio	**15.5 %**	13.8 %	**16.2 %**	(54.7)%
Duke Energy Indiana	**17.4 %**	8.6 %	**17.3 %**	(48.9)%
Piedmont	**25.0 %**	85.7 %	**17.8 %**	11.3 %

The increase in the ETR for Duke Energy for the three and six months ended June 30, 2023, was primarily due to a decrease in the amortization of excess deferred taxes.

The increase in the ETR for Duke Energy Carolinas for the three and six months ended June 30, 2023, was primarily due to a decrease in the amortization of excess deferred taxes.

The increase in the ETR for Duke Energy Ohio for the three months ended June 30, 2023, was primarily due to the amortization of excess deferred taxes in relation to higher pretax income.

The increase in the ETR for Duke Energy Ohio for the six months ended June 30, 2023, was primarily due to a decrease in the amortization of excess deferred taxes related to the MGP Settlement recorded in the prior year.

The increase in the ETR for Duke Energy Indiana for the three months ended June 30, 2023, was primarily due to a decrease in the amortization of excess deferred taxes related to the coal ash impairment based on the Indiana Supreme Court Opinion recorded in the prior year.

The increase in the ETR for Duke Energy Indiana for the six months ended June 30, 2023, was primarily due to the coal ash impairment based on the Indiana Supreme Court Opinion and the associated amortization of excess deferred taxes recorded in the prior year.

The decrease in the ETR for Piedmont for the three months ended June 30, 2023, was primarily due to certain favorable tax credits recorded in the prior year, in relation to pretax losses.

The increase in the ETR for Piedmont for the six months ended June 30, 2023, was primarily due to a decrease in the amortization of excess deferred taxes and certain favorable tax credits recorded in the prior year.

17. SUBSEQUENT EVENTS

For information on subsequent events related to dispositions, regulatory matters, and commitments and contingencies, see Notes 2, 4 and 5, respectively.

ITEM 2. MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS

The following combined Management's Discussion and Analysis of Financial Condition and Results of Operations is separately filed by Duke Energy and Duke Energy Carolinas, Progress Energy, Duke Energy Progress, Duke Energy Florida, Duke Energy Ohio, Duke Energy Indiana and Piedmont. However, none of the registrants make any representation as to information related solely to Duke Energy or the Subsidiary Registrants of Duke Energy other than itself.

DUKE ENERGY

Duke Energy is an energy company headquartered in Charlotte, North Carolina. Duke Energy operates in the U.S. primarily through its subsidiaries, Duke Energy Carolinas, Duke Energy Progress, Duke Energy Florida, Duke Energy Ohio, Duke Energy Indiana and Piedmont. When discussing Duke Energy's consolidated financial information, it necessarily includes the results of the Subsidiary Registrants, which along with Duke Energy are collectively referred to as the Duke Energy Registrants.

Management's Discussion and Analysis should be read in conjunction with the Condensed Consolidated Financial Statements and Notes for the six months ended June 30, 2023, and with Duke Energy's Annual Report on Form 10-K for the year ended December 31, 2022.

Executive Overview

Advancing Our Clean Energy Transformation

During the six months ended June 30, 2023, we continued to execute on our clean energy transformation, delivering strong, sustainable value for shareholders, customers, communities and employees.

- In November 2022, the Duke Energy Board of Directors approved pursuing the sale of the Commercial Renewables business, excluding the offshore wind contract for Carolina Long Bay. We've entered into purchase and sale agreements with affiliates of Brookfield for the sale of the utility-scale solar and wind group in June 2023 and with affiliates of ArcLight for the distributed generation group in July 2023. Both transactions are expected to close by the end of 2023. See Note 2 to the Condensed Consolidated Financial Statements, "Dispositions," for additional information.
- Renewable energy remains a critical component of our generation mix and we've continued to actively expand the use of these assets across our service territories. In June 2023, we announced an agreement with Ranger Power for up to 199 MW of solar power in Indiana. Pending regulatory approval, energy generated from this facility will be sold to Duke Energy Indiana and serve the equivalent of roughly 35,000 homes. In July 2023, we announced a new utility-scale solar panel installation in Kentucky. Located on the rooftop of a facility owned by Amazon, the site complements our emerging solar portfolio in the state and demonstrates our commitment to furthering the clean energy goals of both the Company and our customers.
- In March 2023, we began operating the largest battery system in North Carolina, an 11-MW project in Onslow County, which will operate in conjunction with an adjacent 13-MW solar facility located on a leased site within Marine Corps Base (MCB) Camp Lejeune. Both projects are connected to a Duke Energy substation and will be used to serve all Duke Energy Progress customers. As part of an ongoing collaboration with the Department of Defense, further work could enable the solar and battery systems to improve the resiliency of MCB Camp Lejeune against outages.
- In March 2023, Duke Energy Florida announced two new solar projects as part of Clean Energy Connection, the company's community solar program. Once complete, each 74.9-MW solar facility will generate enough carbon-free electricity to power what would be the equivalent to around 23,000 homes. Additionally, in March 2023, Duke Energy Florida announced its first floating solar array pilot. The project will feature more than 1,800 floating solar modules and occupy approximately 2 acres of water surface on an existing cooling pond at the Duke Energy Hines Energy Complex in Bartow. The pilot is part of Duke Energy's Vision Florida program, which is designed to test innovative projects such as microgrids and battery energy storage, among others, to prepare the power grid for a clean energy future. We now operate 1,200 MW of solar in Florida, with plans to continue adding approximately 300 MW a year going forward.
- While transitioning to cleaner energy resources, affordability continues to be a focus for Duke Energy. Our cost reduction initiatives are grounded in our culture of safety and serving our customers with excellence, while maintaining our assets for the future. We're leveraging digital innovation, data analytics, and process improvements to increase efficiency, making targeted capital investments to reduce maintenance costs, and reshaping our operations to streamline work and lower costs. Coming into 2023, we implemented a $300 million cost mitigation initiative to address interest rate and inflation headwinds. These cost reductions are primarily focused on corporate and support areas, and remain on track, but the earnings benefit of the cost reductions for the first half of 2023 has been more than offset by the impact of unseasonably mild weather.

Regulatory Activity. During the six months ended June 30, 2023, we continued to monitor developments while moving our regulatory strategy forward. See Note 4 to the Condensed Consolidated Financial Statements, "Regulatory Matters," for additional information.

- In January 2023, Duke Energy Carolinas filed a rate case in North Carolina, and discovery is ongoing. This rate case incorporates elements of PBR and MYRP as allowed under HB 951. HB 951 provides the framework for many of the benefits of modernized regulatory constructs in North Carolina under the direction of the NCUC. Duke Energy Progress filed its first rate case utilizing these benefits, including both PBR and MYRP, in North Carolina in October 2022, and reached partial settlements on key matters in April and May 2023. We expect orders from the NCUC on the Duke Energy Progress rate case in the third quarter of this year and on the Duke Energy Carolinas rate case in the fourth quarter of this year.
- In February 2023, the PSCSC approved a constructive comprehensive settlement with all parties in the Duke Energy Progress South Carolina rate case. Duke Energy Progress implemented new customer rates effective April 1, 2023. We also made progress on our South Carolina storm securitization filings, completing our petition for a financing order with the PSCSC in May 2023.

- In February 2023, the Indiana Court of Appeals issued an opinion finding certain coal ash related expenditures should be disallowed under a statute specific to federally mandated projects and also denied a petition for rehearing on the matter.
- In the Midwest, as it relates to our Duke Energy Ohio natural gas base rate case, we filed a stipulation on key matters with all parties except the OCC in April 2023.

Matters Impacting Future Results

The matters discussed herein could materially impact the future operating results, financial condition and cash flows of the Duke Energy Registrants and Business Segments.

Regulatory Matters

Coal Ash Costs

Future spending of coal ash costs, including amounts recorded for depreciation and liability accretion, is expected to be recovered in future rate cases or rider filings. The majority of spend is expected to occur over the next 10 to 15 years.

Duke Energy Indiana has interpreted the Coal Combustion Residuals (CCR) rule to identify the coal ash basin sites impacted and has assessed the amounts of coal ash subject to the rule and a method of compliance. Interpretation of the requirements of the CCR rule is subject to further legal challenges and regulatory approvals, which could result in additional coal ash basin closure requirements, higher costs of compliance and greater AROs. Additionally, Duke Energy Indiana has retired facilities that are not subject to the CCR rule. Duke Energy Indiana may incur costs at these facilities to comply with environmental regulations or to mitigate risks associated with on-site storage of coal ash. In January 2022, Duke Energy Indiana received a letter from the EPA regarding application and interpretation of the CCR rule for some of the ash basins at its Gallagher Station. In response to the letter, Duke Energy Indiana has submitted revised closure plans for those basins to the Indiana Department of Environmental Management (IDEM). Those closure plans are pending review by IDEM. For more information, see Note 4 to the Condensed Consolidated Financial Statements, "Regulatory Matters."

Fuel Cost Recovery

As a result of rapidly rising commodity costs during 2022, including natural gas, fuel and purchased power prices in excess of amounts included in fuel-related revenues led to an increase in the under collection of fuel costs from customers in jurisdictions including Duke Energy Carolinas, Duke Energy Progress and Duke Energy Florida. These amounts have been deferred in regulatory assets and have impacted the cash flows of the registrants, including increased borrowings to temporarily finance related expenditures until recovery. Natural gas costs have stabilized in 2023 and the Duke Energy Registrants are making progress collecting deferred fuel balances. Regulatory filings have now been made for recovery of all remaining uncollected 2022 fuel costs. Across all jurisdictions, Duke Energy is currently on pace to recover $1.7 billion of deferred fuel costs in 2023, and expects deferred fuel balances to be back in line with historical norms by the end of 2024.

Commercial Renewables

In November 2022, Duke Energy committed to a plan to sell the Commercial Renewables Disposal Groups. The Commercial Renewables Disposal Groups were classified as held for sale and as discontinued operations in the fourth quarter of 2022. Duke Energy entered into purchase and sale agreements with affiliates of Brookfield in June 2023 for the sale of the utility-scale solar and wind group and with affiliates of ArcLight in July 2023 for the distributed generation group. Duke Energy expects to complete the disposition of all of the Commercial Renewables Disposal Groups by the end of 2023. If necessary, the impairments recorded for the disposal groups will be updated through the end of the disposal process, and any required adjustments could be material. Proceeds from the sales are expected to be used for debt avoidance. For more information, see Note 2 to the Condensed Consolidated Financial Statements, "Dispositions."

In February 2021, a severe winter storm impacted certain Commercial Renewables assets in Texas. Extreme weather conditions limited the ability for these solar and wind facilities to generate and sell electricity into the ERCOT market. Originally, Duke Energy (Parent) was named in multiple lawsuits arising out of this winter storm, but the plaintiffs have represented to the court that they will dismiss Duke Energy (Parent) from all cases. The legal actions related to project companies in this matter will transfer to affiliates of Brookfield. For more information, see Note 5 to the Condensed Consolidated Financial Statements, "Commitments and Contingencies."

Supply Chain

In 2023, Duke Energy has experienced modest improvement in the stability of the markets for key materials purchased and used by the Company. The Company continues to monitor developments, including proposed federal regulations, that could disrupt or impact the Company's supply chain and, as a result, may impact Duke Energy's future financial results or the achievement of its clean energy goals.

Other

Duke Energy is monitoring general market conditions, including rising interest rates, and evaluating the impact to its results of operations, financial position and cash flows in the future.

Results of Operations

Non-GAAP Measures

Management’s Discussion and Analysis includes financial information prepared in accordance with GAAP in the U.S., as well as certain non-GAAP financial measures, adjusted earnings and adjusted EPS, discussed below. Non-GAAP financial measures are numerical measures of financial performance, financial position or cash flows that excludes (or includes) amounts that are included in (or excluded from) the most directly comparable measure calculated and presented in accordance with GAAP. Non-GAAP financial measures should be viewed as a supplement to, and not a substitute for, financial measures presented in accordance with GAAP. Non-GAAP measures presented may not be comparable to similarly titled measures used by other companies because other companies may not calculate the measures in the same manner.

Management evaluates financial performance in part based on non-GAAP financial measures, including adjusted earnings and adjusted EPS. Adjusted earnings and adjusted EPS represent income from continuing operations available to Duke Energy Corporation common stockholders in dollar and per share amounts, adjusted for the dollar and per share impact of special items. As discussed below, special items represent certain charges and credits, which management believes are not indicative of Duke Energy's ongoing performance. The most directly comparable GAAP measures for adjusted earnings and adjusted EPS are GAAP Reported Earnings (Loss) and GAAP Reported Earnings (Loss) Per Share, respectively.

Special items included in the periods presented below include the following, which management believes do not reflect ongoing costs:

- Regulatory Matters represents the net impact of charges related to the 2022 Indiana Supreme Court ruling on coal ash.

Discontinued operations includes the impairment on the sale of the Commercial Renewables business in the current year and results from Duke Energy's Commercial Renewables Disposal Groups.

Three Months Ended June 30, 2023, as compared to June 30, 2022

GAAP reported loss per share was $(0.32) for the second quarter of 2023 compared to GAAP reported earnings per share of $1.14 in the second quarter of 2022. In addition to the drivers below, GAAP reported EPS decreased primarily due to the impairment on the sale of the Commercial Renewables business.

As discussed above, management also evaluates financial performance based on adjusted EPS. Duke Energy's second quarter 2023 adjusted EPS was $0.91 compared to $1.09 for the second quarter of 2022. The decrease in adjusted EPS was primarily due to unfavorable weather, lower volumes and higher interest expense, partially offset by growth from riders and other margin, rate case impacts and lower operations and maintenance expense.

The following table reconciles non-GAAP measures, including adjusted EPS, to their most directly comparable GAAP measures.

	Three Months Ended June 30,			
	2023		2022	
(in millions, except per share amounts)	Earnings	EPS	Earnings	EPS
GAAP Reported (Loss) Earnings/GAAP Reported EPS	$ (234)	$ (0.32)	$ 893	$ 1.14
Adjustments:				
Regulatory Matters[(a)]	—	—	(16)	(0.02)
Discontinued Operations[(b)]	948	1.23	(26)	(0.03)
Adjusted Earnings/Adjusted EPS	$ 714	$ 0.91	$ 851	$ 1.09

(a) Net of $2 million recorded within Noncontrolling Interests and $18 million tax benefit.
(b) Recorded in Loss from Discontinued Operations, net of tax, and Net Loss Attributable to Noncontrolling Interests.

Six Months Ended June 30, 2023, as compared to June 30, 2022

GAAP Reported EPS was $0.69 for the six months ended June 30, 2023, compared to $2.22 for the six months ended June 30, 2022. In addition to the drivers below, GAAP reported EPS decreased primarily due to the impairment on the sale of the Commercial Renewables business.

As discussed above, management also evaluates financial performance based on adjusted EPS. Duke Energy's adjusted EPS was $2.10 for the six months ended June 30, 2023, compared to $2.38 for the six months ended June 30, 2022. The decrease in adjusted EPS was primarily due to unfavorable weather, lower volumes and higher interest expense, partially offset by growth from riders and other margin, rate case impacts and lower operations and maintenance expense.

The following table reconciles non-GAAP measures, including adjusted EPS, to their most directly comparable GAAP measures.

	Six Months Ended June 30,			
	2023		2022	
(in millions, except per share amounts)	Earnings	EPS	Earnings	EPS
GAAP Reported Earnings/GAAP Reported EPS	$ 531	$ 0.69	$ 1,711	$ 2.22
Adjustments:				
Regulatory Matters[(a)]	—	—	157	0.21
Discontinued Operations[(b)]	1,093	1.41	(38)	(0.05)
Adjusted Earnings/Adjusted EPS	$ 1,624	$ 2.10	$ 1,830	$ 2.38

(a) Net of $80 million tax benefit. $211 million recorded within Impairment of assets and other charges, $46 million within Regulated electric (Operating revenues) and $20 million within Noncontrolling Interests.
(b) Recorded in Loss from Discontinued Operations, net of tax, and Net Loss Attributable to Noncontrolling Interests.

SEGMENT RESULTS

The remaining information presented in this discussion of results of operations is on a GAAP basis. Management evaluates segment performance based on segment income. Segment income is defined as income from continuing operations net of income attributable to noncontrolling interests and preferred stock dividends. Segment income includes intercompany revenues and expenses that are eliminated in the Condensed Consolidated Financial Statements.

Duke Energy's segment structure includes the following segments: EU&I and GU&I. The remainder of Duke Energy's operations is presented as Other. See Note 3 to the Condensed Consolidated Financial Statements, "Business Segments," for additional information on Duke Energy's segment structure.

Electric Utilities and Infrastructure

	Three Months Ended June 30,			Six Months Ended June 30,		
(in millions)	2023	2022	Variance	2023	2022	Variance
Operating Revenues	**$ 6,250**	$ 6,135	$ 115	**$ 12,648**	$ 12,137	$ 511
Operating Expenses						
Fuel used in electric generation and purchased power	**2,058**	1,991	67	**4,454**	3,828	626
Operation, maintenance and other	**1,341**	1,328	13	**2,610**	2,754	(144)
Depreciation and amortization	**1,188**	1,110	78	**2,284**	2,241	43
Property and other taxes	**337**	331	6	**685**	668	17
Impairment of assets and other charges	**5**	(8)	13	**12**	206	(194)
Total operating expenses	**4,929**	4,752	177	**10,045**	9,697	348
Gains on Sales of Other Assets and Other, net	**27**	3	24	**28**	5	23
Operating Income	**1,348**	1,386	(38)	**2,631**	2,445	186
Other Income and Expenses, net	**127**	153	(26)	**257**	267	(10)
Interest Expense	**444**	391	53	**896**	767	129
Income Before Income Taxes	**1,031**	1,148	(117)	**1,992**	1,945	47
Income Tax Expense	**158**	158	—	**307**	241	66
Less: Income Attributable to Noncontrolling Interest	**23**	16	7	**44**	7	37
Segment Income	**$ 850**	$ 974	$ (124)	**$ 1,641**	$ 1,697	$ (56)
Duke Energy Carolinas GWh sales	20,638	22,022	(1,384)	**41,557**	44,571	(3,014)
Duke Energy Progress GWh sales	15,454	16,915	(1,461)	**30,799**	34,884	(4,085)
Duke Energy Florida GWh sales	11,400	12,340	(940)	**20,390**	22,242	(1,852)
Duke Energy Ohio GWh sales	5,695	5,564	131	**11,338**	11,561	(223)
Duke Energy Indiana GWh sales	6,927	7,644	(717)	**14,277**	15,594	(1,317)
Total Electric Utilities and Infrastructure GWh sales	**60,114**	64,485	(4,371)	**118,361**	128,852	(10,491)
Net proportional MW capacity in operation				**49,912**	49,459	453

Three Months Ended June 30, 2023, as compared to June 30, 2022

EU&I's lower segment income is due to higher depreciation related to higher plant in service and higher interest expense. The following is a detailed discussion of the variance drivers by line item.

Operating Revenues. The variance was driven primarily by:

- a $264 million increase in fuel revenues primarily due to higher fuel prices and cost recovery in the current year;
- a $114 million increase in storm revenues at Duke Energy Florida due to hurricanes Ian and Nicole collections;
- a $41 million increase in price due to 2022 Duke Energy Ohio Electric retail rate case and Ohio tax reform deferrals in prior year, higher pricing at Duke Energy Progress from the South Carolina retail rate case and interim rates from the North Carolina retail rate case, and base rate adjustments related to annual increases from the 2021 Settlement Agreement at Duke Energy Florida; and
- a $10 million increase due to the provision for rate refund recognized in the prior year related to the Indiana Supreme Court ruling on recovery of certain coal ash costs.

Partially offset by:

- a $163 million decrease in retail sales due to unfavorable weather compared to prior year;
- a $104 million decrease in wholesale revenues primarily due to lower capacity volumes at Duke Energy Progress and lower demand at Duke Energy Florida; and
- a $43 million decrease in weather-normal retail sales volumes.

Operating Expenses. The variance was driven primarily by:

- a $78 million increase in depreciation and amortization primarily due to higher plant in service;
- a $67 million increase in fuel used in electric generation and purchased power due to higher fuel prices and higher amortizations of deferred fuel;
- a $13 million increase in impairment of assets and other charges primarily due to a prior year adjustment of the South Carolina Supreme Court decision on coal ash at Duke Energy Carolinas; and
- a $13 million increase in operation, maintenance and other primarily driven by higher storm amortization at Duke Energy Florida, partially offset by lower storm costs in the current year.

Gains on Sales of Other Assets and Other, net. The increase was primarily due to the sale of the Mint Street parking deck.

Other Income and Expenses, net. The decrease is primarily due to the wholesale portion of the Department of Energy settlement for nuclear fuel storage in prior year at Duke Energy Florida.

Interest Expense. The variance was primarily driven by higher interest rates and outstanding debt balances.

Income Tax Expense. Tax expense was unchanged primarily due to a decrease in pretax income, offset by a decrease in the amortization of excess deferred taxes. The ETRs for the three months ended June 30, 2023, and 2022, were 15.3% and 13.8%, respectively. The increase in the ETR was primarily due to a decrease in the amortization of excess deferred taxes.

Six Months Ended June 30, 2023, as compared to June 30, 2022

EU&I's lower segment income is due to unfavorable weather, lower weather-normal retail sales volumes and higher interest expense, partially offset by the prior year Indiana Supreme Court ruling on recovery of certain coal ash costs and lower storm costs. The following is a detailed discussion of the variance drivers by line item.

Operating Revenues. The variance was driven primarily by:

- an $897 million increase in fuel revenues primarily due to higher fuel prices and cost recovery in the current year;
- a $114 million increase in storm revenues at Duke Energy Florida due to Hurricanes Ian and Nicole collections;
- a $78 million increase in price due to 2022 Duke Energy Ohio Electric retail rate case and Ohio tax reform deferrals in prior year, higher pricing at Duke Energy Progress from the South Carolina retail rate case and interim rates from the North Carolina retail rate case and base rate adjustments related to annual increases from the 2021 Settlement Agreement at Duke Energy Florida;
- a $47 million increase due to the provision for rate refund recognized in the prior year related to the Indiana Supreme Court ruling on recovery of certain coal ash costs; and
- a $42 million increase in rider revenues primarily due to a decrease in the return of EDIT to customers compared to the prior year at Duke Energy Carolinas and increased Storm Protection Plan rider revenue at Duke Energy Florida.

Partially offset by:

- a $354 million decrease in retail sales due to unfavorable weather compared to prior year;
- a $179 million decrease in wholesale revenues primarily due to lower capacity revenues at Duke Energy Progress and lower demand at Duke Energy Florida; and
- a $142 million decrease in weather-normal retail sales volumes.

Operating Expenses. The variance was driven primarily by:

- a $626 million increase in fuel used in electric generation and purchased power due to higher fuel prices and higher amortizations of deferred fuel;
- a $43 million increase in depreciation and amortization primarily due to higher plant in service, partially offset by the amortization of the Department of Energy settlement regulatory liability at Duke Energy Florida; and
- a $17 million increase in property and other taxes primarily due to higher property tax valuations at Duke Energy Florida and Duke Energy Carolinas, partially offset by favorable property tax true ups at Duke Energy Ohio and Duke Energy Indiana.

Partially offset by:

- a $194 million decrease in impairment of assets and other charges primarily due to the Indiana Supreme Court ruling on recovery of certain coal ash costs in the prior year, partially offset by a prior year adjustment of the South Carolina Supreme Court decision on coal ash at Duke Energy Carolinas; and
- a $144 million decrease in operation, maintenance and other primarily driven by lower storm costs in the current year.

Gains on Sales of Other Assets and Other, net. The increase was primarily due to the sale of the Mint Street parking deck.

Other Income and Expenses, net. The decrease is primarily due to the wholesale portion of the Department of Energy settlement for nuclear fuel storage in prior year at Duke Energy Florida, partially offset by higher returns on deferred costs.

Interest Expense. The variance was primarily driven by higher interest rates and outstanding debt balances.

Income Tax Expense. The increase in tax expense was primarily due to a decrease in the amortization of excess deferred taxes. The ETRs for the six months ended June 30, 2023, and 2022, were 15.4% and 12.4%, respectively. The increase in the ETR was primarily due to a decrease in the amortization of excess deferred taxes.

Income Attributable to Noncontrolling Interest. The increase is due to the second and final tranche of the GIC minority interest sale.

Gas Utilities and Infrastructure

	Three Months Ended June 30,			Six Months Ended June 30,		
(in millions)	**2023**	**2022**	**Variance**	**2023**	**2022**	**Variance**
Operating Revenues	**$ 359**	$ 453	$ (94)	**$ 1,270**	$ 1,485	$ (215)
Operating Expenses						
Cost of natural gas	**79**	189	(110)	**377**	670	(293)
Operation, maintenance and other	**110**	113	(3)	**229**	295	(66)
Depreciation and amortization	**84**	82	2	**169**	161	8
Property and other taxes	**30**	33	(3)	**61**	74	(13)
Impairment of assets and other charges	**(5)**	—	(5)	**(4)**	—	(4)
Total operating expenses	**298**	417	(119)	**832**	1,200	(368)
(Losses) Gains on Sales of Other Assets and Other, net	**(1)**	4	(5)	**(1)**	4	(5)
Operating Income	**60**	40	20	**437**	289	148
Other Income and Expenses, Net	**24**	19	5	**47**	36	11
Interest Expense	**52**	42	10	**102**	82	20
Income Before Income Taxes	**32**	17	15	**382**	243	139
Income Tax Expense (Benefit)	**7**	(2)	9	**70**	(30)	100
Segment Income	**$ 25**	$ 19	$ 6	**$ 312**	$ 273	$ 39
Piedmont LDC throughput (dekatherms)	122,238,056	126,530,274	(4,292,218)	**283,701,849**	306,717,375	(23,015,526)
Duke Energy Midwest LDC throughput (Mcf)	13,908,430	16,571,611	(2,663,181)	**45,910,155**	53,817,683	(7,907,528)

Three Months Ended June 30, 2023, as compared to June 30, 2022

GU&I's results were impacted primarily by margin growth, partially offset by higher interest expense. The following is a detailed discussion of the variance drivers by line item.

Operating Revenues. The variance was driven primarily by:

- a $110 million decrease due to lower natural gas costs passed through to customers, lower volumes, and decreased off-system sales natural gas costs.

Partially offset by:

- a $12 million increase due to rider revenues related to Ohio CEP.

Operating Expenses. The variance was driven primarily by:

- a $110 million decrease in cost of natural gas due to lower natural gas costs passed through to customers, lower volumes, and decreased off-system sales natural gas costs.

Interest Expense. The increase was primarily due to higher outstanding debt balances and interest rates.

Income Tax Expense (Benefit). The increase in tax expense was primarily due to an increase in pretax income and certain favorable tax credits recorded in the prior year. The ETRs for the three months ended June 30, 2023, and 2022, were 21.9% and (11.8)%, respectively. The increase in the ETR was primarily due to certain favorable tax credits recorded in the prior year.

Six Months Ended June 30, 2023, as compared to June 30, 2022

GU&I's results were impacted primarily by margin growth. The following is a detailed discussion of the variance drivers by line item.

Operating Revenues. The variance was driven primarily by:

- a $293 million decrease due to lower natural gas costs passed through to customers, lower volumes, and decreased off-system sales natural gas costs.

Partially offset by:

- a $23 million increase due to rider revenues related to Ohio CEP;
- a $15 million increase due to the MGP Settlement in prior year;
- a $15 million increase due to secondary marketing sales;
- a $9 million increase due to North Carolina IMR; and
- a $7 million increase due to customer growth.

Operating Expenses. The variance was driven primarily by:

- a $293 million decrease due to lower natural gas costs passed through to customers, lower volumes, and decreased off-system sales natural gas costs;
- a $66 million decrease in operations, maintenance and other primarily due to the MGP Settlement in prior year; and
- a $13 million decrease in property and other taxes due to Ohio and Kentucky property tax true ups.

Interest Expense. The increase was primarily due to higher outstanding debt balances and interest rates.

Income Tax Expense (Benefit). The increase in tax expense was primarily due to a decrease in the amortization of excess deferred taxes related to the Ohio MGP Settlement recorded in the prior year and an increase in pretax income. The ETRs for the six months ended June 30, 2023, and 2022, were 18.3% and (12.3)%, respectively. The increase in the ETR was primarily due to a decrease in the amortization of excess deferred taxes related to the Ohio MGP Settlement recorded in the prior year.

Other

	Three Months Ended June 30,			Six Months Ended June 30,		
(in millions)	**2023**	**2022**	**Variance**	**2023**	**2022**	**Variance**
Operating Revenues	**$ 34**	$ 31	$ 3	**$ 65**	$ 61	$ 4
Operating Expenses	**20**	12	8	**49**	42	7
Gains on Sales of Other Assets and Other, net	**5**	—	5	**11**	1	10
Operating Income	**19**	19	—	**27**	20	7
Other Income and Expenses, net	**59**	(6)	65	**121**	(11)	132
Interest Expense	**271**	166	105	**527**	324	203
Loss Before Income Taxes	**(193)**	(153)	(40)	**(379)**	(315)	(64)
Income Tax Benefit	**(46)**	(42)	(4)	**(103)**	(72)	(31)
Less: Income Attributable to Noncontrolling Interests	**—**	1	(1)	**—**	1	(1)
Less: Preferred Dividends	**14**	14	—	**53**	53	—
Net Loss	**$ (161)**	$ (126)	$ (35)	**$ (329)**	$ (297)	$ (32)

Three Months Ended June 30, 2023, as compared to June 30, 2022

The higher net loss was driven by higher interest expense, partially offset by higher return on investments.

Other Income and Expenses, net. The variance was primarily due to higher return on investments that fund certain employee benefit obligations and higher yields on captive insurance investments.

Interest Expense. The variance was primarily due to higher interest rates on long-term debt and commercial paper and higher outstanding long-term debt balances.

Income Tax Benefit. The increase in the tax benefit was primarily due to an increase in pretax losses and lower state tax benefits. The ETRs for the three months ended June 30, 2023, and 2022, were 23.8% and 27.5%, respectively. The decrease in the ETR was primarily due to lower state tax benefits.

Six Months Ended June 30, 2023, as compared to June 30, 2022

The higher net loss was driven by higher interest expense, partially offset by higher return on investments, lower loss experience related to captive insurance claims and an increase in the tax benefit.

Other Income and Expenses, net. The variance was primarily due to higher return on investments that fund certain employee benefit obligations and higher yields on captive insurance investments.

Interest Expense. The variance was primarily due to higher interest rates on long-term debt and commercial paper and higher outstanding long-term debt balances.

Income Tax Benefit. The increase in the tax benefit was primarily due to an increase in pretax losses and favorable tax impacts related to higher investment returns on certain employee benefit obligations. The ETRs for the six months ended June 30, 2023, and 2022, were 27.2% and 22.9%, respectively. The increase in the ETR was primarily due to favorable tax impacts related to higher investment returns on certain employee benefit obligations.

LOSS FROM DISCONTINUED OPERATIONS, NET OF TAX

	Three Months Ended June 30,			Six Months Ended June 30,		
(in millions)	2023	2022	Variance	2023	2022	Variance
Loss From Discontinued Operations, net of tax	$ **(955)**	$ (18)	$ (937)	$ **(1,164)**	$ (33)	$ (1,131)

Three Months Ended June 30, 2023, as compared to June 30, 2022

The variance was primarily driven by the impairment on the sale of the Commercial Renewables business recorded in 2023.

Six Months Ended June 30, 2023, as compared to June 30, 2022

The variance was primarily driven by the impairment on the sale of the Commercial Renewables business recorded in 2023.

DUKE ENERGY CAROLINAS

Results of Operations

	Six Months Ended June 30,		
(in millions)	2023	2022	Variance
Operating Revenues	$ **3,762**	$ 3,669	$ 93
Operating Expenses			
Fuel used in electric generation and purchased power	**1,133**	879	254
Operation, maintenance and other	**861**	974	(113)
Depreciation and amortization	**779**	763	16
Property and other taxes	**186**	170	16
Impairment of assets and other charges	**6**	(9)	15
Total operating expenses	**2,965**	2,777	188
Gains on Sales of Other Assets and Other, net	**26**	—	26
Operating Income	**823**	892	(69)
Other Income and Expenses, net	**118**	113	5
Interest Expense	**332**	284	48
Income Before Income Taxes	**609**	721	(112)
Income Tax Expense	**67**	53	14
Net Income	$ **542**	$ 668	$ (126)

The following table shows the percent changes in GWh sales and average number of customers. The percentages for retail customer classes represent billed sales only. Total sales includes billed and unbilled retail sales and wholesale sales to incorporated municipalities, public and private utilities and power marketers. Amounts are not weather-normalized.

Increase (Decrease) over prior year	2023
Residential sales	**(5.9)%**
General service sales	**(1.1)%**
Industrial sales	**(5.5)%**
Wholesale power sales	**4.3 %**
Joint dispatch sales	**56.0 %**
Total sales	**(6.8)%**
Average number of customers	**1.7 %**

Six Months Ended June 30, 2023, as compared to June 30, 2022

Operating Revenues. The variance was driven primarily by:

- a $268 million increase in fuel revenues due to higher fuel prices; and
- a $39 million increase in rider revenues primarily due to a decrease in the return of EDIT to customers compared to the prior year and increases in competitive procurement of renewable energy program riders, partially offset by decreases in energy efficiency.

Partially offset by:

- a $164 million decrease in retail sales due to unfavorable weather compared to prior year; and
- a $63 million decrease in weather-normal retail sales volumes.

Operating Expenses. The variance was driven primarily by:

- a $254 million increase in fuel used in electric generation and purchased power primarily due to changes in the generation mix, partially offset by the recovery of fuel expenses and lower Joint Dispatch Agreement (JDA) purchased volumes and prices;
- a $16 million increase in depreciation and amortization primarily due to a higher depreciable base, partially offset by decrease in depreciation and amortization primarily due to the prior year South Carolina Supreme Court decision on coal ash and an increase in Grid Improvement Plan deferrals; and
- a $15 million increase in impairment of assets and other primarily due to a prior year adjustment of the South Carolina Supreme Court decision on coal ash.

Partially offset by:

- a $113 million decrease in operation, maintenance and other expense primarily due to lower storm restoration costs and a decrease in spend on outside services.

Gains on Sales of Other Assets and Other, net. The increase was primarily due to the sale of the Mint Street parking deck.

Interest Expense. The variance was driven by higher interest rates and outstanding debt balances.

Income Tax Expense. The increase in tax expense was primarily due to a decrease in the amortization of excess deferred taxes, partially offset by a decrease in pretax income.

PROGRESS ENERGY

Results of Operations

	Six Months Ended June 30,		
(in millions)	**2023**	**2022**	**Variance**
Operating Revenues	**$ 6,260**	$ 6,206	$ 54
Operating Expenses			
Fuel used in electric generation and purchased power	**2,367**	2,322	45
Operation, maintenance and other	**1,252**	1,248	4
Depreciation and amortization	**1,046**	1,045	1
Property and other taxes	**341**	303	38
Impairment of assets and other charges	**5**	4	1
Total operating expenses	**5,011**	4,922	89
Gains on Sales of Other Assets and Other, net	**12**	3	9
Operating Income	**1,261**	1,287	(26)
Other Income and Expenses, net	**97**	105	(8)
Interest Expense	**465**	419	46
Income Before Income Taxes	**893**	973	(80)
Income Tax Expense	**149**	160	(11)
Net Income	**$ 744**	$ 813	$ (69)

Six Months Ended June 30, 2023, as compared to June 30, 2022

Operating Revenues. The variance was driven primarily by:

- a $198 million increase in fuel cost recovery at Duke Energy Florida driven by higher fuel rates in the current year, partially offset by a decrease at Duke Energy Progress driven by lower JDA sales volumes at lower prices;
- a $114 million increase in storm revenues at Duke Energy Florida due to hurricanes Ian and Nicole collections;
- a $33 million increase in rider revenues at Duke Energy Florida primarily due to increased Storm Protection Plan rider revenue; and
- a $25 million increase due to higher pricing related to rate cases at Duke Energy Progress from the South Carolina retail rate case and interim rates from the North Carolina retail rate case, and base rate adjustments related to annual increases from the 2021 Settlement Agreement at Duke Energy Florida.

Partially offset by:

- a $142 million decrease in wholesale revenues, net of fuel, due to lower capacity volumes at Duke Energy Progress and lower demand at Duke Energy Florida.
- a $117 million decrease in retail sales due to unfavorable weather compared to prior year; and
- a $67 million decrease in weather-normal retail sales volumes.

Operating Expenses. The variance was driven primarily by:

- a $45 million increase in fuel used in electric generation and purchased power primarily due to higher amortization of deferred fuel balances at Duke Energy Florida, partially offset by lower volumes at Duke Energy Progress; and
- a $38 million increase in property and other taxes primarily due to higher property tax valuation adjustments at Duke Energy Florida.

Interest Expense. The variance was driven primarily by higher outstanding debt balances and interest rates at Duke Energy Florida and Duke Energy Progress.

Income Tax Expense. The decrease in tax expense was primarily due to a decrease in pretax income and an increase in production tax credits, partially offset by a decreased in the amortization of excess deferred taxes.

DUKE ENERGY PROGRESS

Results of Operations

	Six Months Ended June 30,		
(in millions)	**2023**	**2022**	**Variance**
Operating Revenues	**$ 2,958**	$ 3,213	$ (255)
Operating Expenses			
Fuel used in electric generation and purchased power	**1,034**	1,167	(133)
Operation, maintenance and other	**706**	751	(45)
Depreciation and amortization	**611**	577	34
Property and other taxes	**95**	90	5
Impairment of assets and other charges	**7**	4	3
Total operating expenses	**2,453**	2,589	(136)
Gains on Sales of Other Assets and Other, net	**1**	1	—
Operating Income	**506**	625	(119)
Other Income and Expenses, net	**61**	54	7
Interest Expense	**206**	175	31
Income Before Income Taxes	**361**	504	(143)
Income Tax Expense	**52**	70	(18)
Net Income	**$ 309**	$ 434	$ (125)

The following table shows the percent changes in GWh sales and average number of customers. The percentages for retail customer classes represent billed sales only. Total sales includes billed and unbilled retail sales and wholesale sales to incorporated municipalities, public and private utilities and power marketers. Amounts are not weather-normalized.

Increase (Decrease) over prior period	**2023**
Residential sales	**(8.0)%**
General service sales	**(7.6)%**
Industrial sales	**(15.3)%**
Wholesale power sales	**(8.6)%**
Joint dispatch sales	**(24.0)%**
Total sales	**(11.7)%**
Average number of customers	**1.6 %**

Six Months Ended June 30, 2023, as compared to June 30, 2022

Operating Revenues. The variance was driven primarily by:

- a $117 million decrease in retail sales due to unfavorable weather compared to prior year;
- a $90 million decrease in fuel revenues due to lower JDA sales volumes at lower prices in the current year, partially offset by higher retail fuel prices;
- a $37 million decrease in wholesale revenues, net of fuel, due to lower capacity volumes; and
- a $34 million decrease in weather-normal retail sales volumes.

Partially offset by:

- a $17 million increase due to higher pricing from the South Carolina retail rate case and interim rates from the North Carolina retail rate case.

Operating Expenses. The variance was driven primarily by:

- a $133 million decrease in fuel used in electric generation and purchased power primarily due to lower volumes, partially offset by the recovery of fuel expenses; and
- a $45 million decrease in operation, maintenance and other expense primarily due to lower storm costs.

Partially offset by:

- a $34 million increase in depreciation and amortization due to higher depreciable base.

Interest Expense. The variance was driven primarily by higher outstanding debt balances and interest rates.

Income Tax Expense. The decrease in tax expense was primarily due to a decrease in pretax income, partially offset by a decrease in the amortization of excess deferred taxes.

DUKE ENERGY FLORIDA

Results of Operations

	Six Months Ended June 30,		
(in millions)	**2023**	**2022**	**Variance**
Operating Revenues	**$ 3,292**	$ 2,983	$ 309
Operating Expenses			
Fuel used in electric generation and purchased power	**1,333**	1,155	178
Operation, maintenance and other	**537**	490	47
Depreciation and amortization	**435**	468	(33)
Property and other taxes	**246**	212	34
Impairment of assets and other charges	**(1)**	—	(1)
Total operating expenses	**2,550**	2,325	225
Gains on Sales of Other Assets and Other, net	**1**	2	(1)
Operating Income	**743**	660	83
Other Income and Expenses, net	**37**	55	(18)
Interest Expense	**202**	174	28
Income Before Income Taxes	**578**	541	37
Income Tax Expense	**115**	109	6
Net Income	**$ 463**	$ 432	$ 31

The following table shows the percent changes in GWh sales and average number of customers. The percentages for retail customer classes represent billed sales only. Wholesale power sales include both billed and unbilled sales. Total sales includes billed and unbilled retail sales and wholesale sales to incorporated municipalities, public and private utilities and power marketers. Amounts are not weather-normalized.

Increase (Decrease) over prior period	**2023**
Residential sales	**(0.4)%**
General service sales	**0.9 %**
Industrial sales	**(4.4)%**
Wholesale and other	**(50.0)%**
Total sales	**(8.3)%**
Average number of customers	**1.6 %**

Six Months Ended June 30, 2023, as compared to June 30, 2022

Operating Revenues. The variance was driven primarily by:

- a $288 million increase in fuel and capacity revenues primarily due to an increase in fuel and capacity rates billed to retail customers;
- a $114 million increase in storm revenues due to hurricanes Ian and Nicole collections;
- a $33 million increase in rider revenues primarily due to increased rate of Storm Protection Plan rider; and
- an $8 million increase in retail pricing due to base rate adjustments related to annual increases from the 2021 Settlement Agreement.

Partially offset by:

- a $105 million decrease in wholesale power revenues, net of fuel, primarily due to decreased demand; and
- a $33 million decrease in weather-normal retail sales volumes.

Operating Expenses. The variance was driven primarily by:

- a $178 million increase in fuel used in electric generation and purchased power primarily due to higher amortization of deferred fuel and capacity expense;
- a $47 million increase in operation, maintenance and other primarily due to storm amortization; and
- a $34 million increase in property and other taxes primarily due to property tax valuation adjustments.

Partially offset by:

- a $33 million decrease in depreciation and amortization primarily due to the amortization of Department of Energy settlement regulatory liability.

Other Income and Expenses, net. The decrease is primarily due to the wholesale portion of the Department of Energy settlement for nuclear fuel storage in prior year.

Interest Expense. The increase was primarily due to higher interest rates and outstanding debt balances.

Income Tax Expense. The increase in tax expense was primarily due to an increase in pretax income and a decrease in the amortization of excess deferred taxes, partially offset by an increase in production tax credits.

DUKE ENERGY OHIO

Results of Operations

	Six Months Ended June 30,		
(in millions)	**2023**	**2022**	**Variance**
Operating Revenues			
Regulated electric	$ **939**	$ 813	$ 126
Regulated natural gas	**359**	370	(11)
Total operating revenues	**1,298**	1,183	115
Operating Expenses			
Fuel used in electric generation and purchased power	**340**	254	86
Cost of natural gas	**112**	153	(41)
Operation, maintenance and other	**244**	287	(43)
Depreciation and amortization	**176**	163	13
Property and other taxes	**164**	193	(29)
Total operating expenses	**1,036**	1,050	(14)
Gains on Sales of Other Assets and Other, net	**—**	1	(1)
Operating Income	**262**	134	128
Other Income and Expenses, net	**21**	12	9
Interest Expense	**79**	60	19
Income Before Income Taxes	**204**	86	118
Income Tax Expense (Benefit)	**33**	(47)	80
Net Income	$ **171**	$ 133	$ 38

The following table shows the percent changes in GWh sales of electricity, dekatherms of natural gas delivered and average number of electric and natural gas customers. The percentages for retail customer classes represent billed sales only. Total sales includes billed and unbilled retail sales and wholesale sales to incorporated municipalities, public and private utilities and power marketers. Amounts are not weather-normalized.

	Electric	Natural Gas
Increase (Decrease) over prior year	**2023**	**2023**
Residential sales	**(5.6)%**	**(14.3)%**
General service sales	**10.0 %**	**(27.7)%**
Industrial sales	**19.0 %**	**(0.3)%**
Wholesale electric power sales	**(53.0)%**	**n/a**
Other natural gas sales	**n/a**	**(2.1)%**
Total sales	**(1.9)%**	**(14.7)%**
Average number of customers	**1.1 %**	**0.6 %**

Six Months Ended June 30, 2023, as compared to June 30, 2022

Operating Revenues. The variance was driven primarily by:

- a $95 million increase in fuel-related revenues primarily due to higher retail sales volumes and higher fuel rates in the current year;
- a $60 million increase in price due to the 2022 Duke Energy Ohio Electric retail rate case and Ohio tax reform deferrals in prior year; and
- a $15 million increase due to the MGP Settlement in the prior year.

Partially offset by:

- a $38 million decrease in revenues related to lower Ohio Valley Electric Corporation (OVEC) rider collections and OVEC sales into PJM Interconnection, LLC (PJM);
- a $25 million decrease due to unfavorable weather compared to prior year; and
- a $7 million decrease in retail revenue riders primarily due to the decrease in Distribution Capital Investment Rider (DCI), partially offset by increases in the Ohio CEP rider and Distribution Decoupling Rider (DDR).

Operating Expenses. The variance was driven primarily by:

- a $43 million decrease in operation, maintenance and other expense primarily due to the MGP Settlement in the prior year; and
- a $29 million decrease in property and other taxes primarily due to property tax true ups in Ohio and Kentucky, partially offset by higher franchise taxes.

Partially offset by:

- a $45 million increase in fuel expense primarily driven by an increase in purchased power volumes, partially offset by lower retail prices for natural gas and purchased power; and
- a $13 million increase in depreciation and amortization primarily driven by an increase in distribution plant in service and depreciation rates resulting from the 2022 Duke Energy Ohio Electric retail rate case implemented in 2023.

Interest Expense. The increase was primarily due to higher outstanding debt balances and interest rates.

Income Tax Expense (Benefit). The increase in tax expense was primarily due to a decrease in the amortization of excess deferred taxes related to the MGP Settlement recorded in the prior year and an increase in pretax income.

DUKE ENERGY INDIANA

Results of Operations

	Six Months Ended June 30,		
(in millions)	**2023**	**2022**	**Variance**
Operating Revenues	**$ 1,755**	$ 1,740	$ 15
Operating Expenses			
Fuel used in electric generation and purchased power	**697**	678	19
Operation, maintenance and other	**364**	374	(10)
Depreciation and amortization	**327**	311	16
Property and other taxes	**25**	47	(22)
Impairment of assets and other charges	**—**	211	(211)
Total operating expenses	**1,413**	1,621	(208)
Operating Income	**342**	119	223
Other Income and Expenses, net	**28**	18	10
Interest Expense	**104**	90	14
Income Before Income Taxes	**266**	47	219
Income Tax Expense (Benefit)	**46**	(23)	69
Net Income	**$ 220**	$ 70	$ 150

The following table shows the percent changes in GWh sales and average number of customers. The percentages for retail customer classes represent billed sales only. Total sales includes billed and unbilled retail sales and wholesale sales to incorporated municipalities, public and private utilities and power marketers. Amounts are not weather-normalized.

Increase (Decrease) over prior year	2023
Residential sales	(8.5)%
General service sales	(2.3)%
Industrial sales	15.1 %
Wholesale power sales	(18.5)%
Total sales	(8.4)%
Average number of customers	1.1 %

Six Months Ended June 30, 2023, as compared to June 30, 2022

Operating Revenues. The variance was driven primarily by:

- a $76 million increase in retail fuel revenues primarily due to higher fuel cost recovery driven by higher fuel prices; and
- a $47 million increase primarily due to the provision for rate refund recognized in the prior year related to the Indiana Supreme Court ruling on recovery of certain coal ash costs.

Partially offset by:

- a $37 million decrease primarily due to wholesale revenues, including fuel revenues, driven by lower rates and the bulk power marketing sharing provision;
- a $34 million decrease in retail sales due to unfavorable weather;
- a $25 million decrease in weather-normal retail sales volumes primarily due to lower residential and nonresidential customer demand; and
- a $12 million decrease primarily due to the utility receipts tax repeal.

Operating Expenses. The variance was driven primarily by:

- a $211 million decrease in impairment of assets and other charges primarily due to the Indiana Supreme Court ruling on recovery of certain coal ash costs in the prior year;
- a $22 million decrease in property and other taxes primarily due to franchise taxes and property tax true ups for prior periods; and
- a $10 million decrease in operation, maintenance and other primarily due to lower storm contingency costs.

Partially offset by:

- a $19 million increase in fuel used in electric generation and purchased power primarily due to higher deferred fuel amortization, partially offset by lower purchased power expense, natural gas and coal costs; and
- a $16 million increase in depreciation and amortization primarily due to higher depreciable base.

Other Income and Expenses, net. The variance is primarily due to intercompany interest income.

Interest Expense. The variance is primarily due to higher outstanding debt balances and interest rates.

Income Tax Expense (Benefit). The increase in tax expense was primarily due to an increase in pretax income and a decrease in the amortization of excess deferred income taxes related to the coal ash impairment recorded in the prior year.

PIEDMONT

Results of Operations

	Six Months Ended June 30,		
(in millions)	2023	2022	Variance
Operating Revenues	**$ 911**	$ 1,115	$ (204)
Operating Expenses			
Cost of natural gas	**265**	517	(252)
Operation, maintenance and other	**171**	183	(12)
Depreciation and amortization	**116**	110	6
Property and other taxes	**30**	31	(1)
Impairment of assets and other charges	**(4)**	—	(4)
Total operating expenses	**578**	841	(263)
Gains on Sales of Other Assets and Other, net	**—**	4	(4)
Operating Income	**333**	278	55
Other Income and Expenses, net	**32**	28	4
Interest Expense	**79**	66	13
Income Before Income Taxes	**286**	240	46
Income Tax Expense	**51**	27	24
Net Income	**$ 235**	$ 213	$ 22

The following table shows the percent changes in dekatherms delivered and average number of customers. The percentages for all throughput deliveries represent billed and unbilled sales. Amounts are not weather-normalized.

Increase (Decrease) over prior year	2023
Residential deliveries	**(18.5)%**
Commercial deliveries	**(13.6)%**
Industrial deliveries	**(2.6)%**
Power generation deliveries	**(5.6)%**
For resale	**(20.9)%**
Total throughput deliveries	**(7.5)%**
Secondary market volumes	**(27.1)%**
Average number of customers	**1.5 %**

The margin decoupling mechanism adjusts for variations in residential and commercial use per customer, including those due to weather and conservation. The weather normalization adjustment mechanisms mostly offset the impact of weather on bills rendered, but do not ensure full recovery of approved margin during periods when winter weather is significantly warmer or colder than normal.

Six Months Ended June 30, 2023, as compared to June 30, 2022

Operating Revenues. The variance was driven primarily by:

- a $252 million decrease due to lower natural gas costs passed through to customers, lower volumes, and decreased off-system sales natural gas costs;

Partially offset by:

- a $15 million increase due to secondary marketing sales;
- a $9 million increase due to North Carolina IMR; and
- a $7 million increase due to customer growth.

Operating Expenses. The variance was driven primarily by:

- a $252 million decrease in cost of natural gas due to lower natural gas costs passed through to customers, lower volumes, and decreased off-system sales natural gas costs; and
- a $12 million decrease in operations, maintenance and other primarily due to lower employee compensation and benefits related costs, and lower information technology costs.

Interest Expense. The increase was primarily due to higher outstanding debt balances and interest rates.

Income Tax Expense. The increase in tax expense was primarily due to an increase in pretax income and a decrease in the amortization of excess deferred taxes.

LIQUIDITY AND CAPITAL RESOURCES

Sources and Uses of Cash

Duke Energy relies primarily upon cash flows from operations, debt and equity issuances and its existing cash and cash equivalents to fund its liquidity and capital requirements. Duke Energy's capital requirements arise primarily from capital and investment expenditures, repaying long-term debt and paying dividends to shareholders. Additionally, due to its existing tax attributes and projected tax credits to be generated relating to the IRA, Duke Energy does not expect to be a significant federal cash taxpayer until around 2030. Duke Energy's Annual Report on Form 10-K for the year ended December 31, 2022, included a summary and detailed discussion of projected primary sources and uses of cash for 2023 to 2025.

As of June 30, 2023, Duke Energy had $377 million of cash on hand and $5.7 billion available under its $9 billion Master Credit Facility. Duke Energy expects to have sufficient liquidity in the form of cash on hand, cash from operations and available credit capacity to support its funding needs. Refer to Note 6 to the Condensed Consolidated Financial Statements, "Debt and Credit Facilities," for information regarding Duke Energy's debt issuances and maturities, and available credit facilities including the Master Credit Facility. Additionally, see Note 2 to the Condensed Consolidated Financial Statements, "Dispositions," for expected timing of proceeds from the sale of certain Commercial Renewables assets to affiliates of Brookfield and ArcLight.

In April 2023, Moody's Investors Service, Inc. (Moody's) maintained the credit ratings and affirmed the ratings outlook for all of the Duke Energy Registrants, including Duke Energy Ohio. Operations in Kentucky are conducted through Duke Energy Ohio's wholly owned subsidiary, Duke Energy Kentucky. Moody's lowered Duke Energy Kentucky's ratings outlook from stable to negative while maintaining Duke Energy Kentucky's credit rating of Baa1 for senior unsecured debt.

Cash Flow Information

The following table summarizes Duke Energy's cash flows.

(in millions)	Six Months Ended June 30, 2023	2022
Cash flows provided by (used in):		
Operating activities	$ **3,785**	$ 4,035
Investing activities	**(6,508)**	(5,492)
Financing activities	**2,687**	1,576
Net (decrease) increase in cash, cash equivalents and restricted cash	**(36)**	119
Cash, cash equivalents and restricted cash at beginning of period	**603**	520
Cash, cash equivalents and restricted cash at end of period	$ **567**	$ 639

OPERATING CASH FLOWS

The following table summarizes key components of Duke Energy's operating cash flows.

(in millions)	Six Months Ended June 30, 2023	2022	Variance
Net income	$ **557**	$ 1,700	$ (1,143)
Non-cash adjustments to net income	**4,085**	2,961	1,124
Payments for asset retirement obligations	**(261)**	(255)	(6)
Working capital	**(1,286)**	(527)	(759)
Other assets and Other liabilities	**690**	156	534
Net cash provided by operating activities	$ **3,785**	$ 4,035	$ (250)

The variance is primarily due to the timing of accruals and payments in working capital accounts, partially offset by the recovery of deferred fuel costs.

INVESTING CASH FLOWS

The following table summarizes key components of Duke Energy's investing cash flows.

	Six Months Ended June 30,		
(in millions)	**2023**	**2022**	**Variance**
Capital, investment and acquisition expenditures	**$ (6,287)**	$ (5,149)	$ (1,138)
Other investing items	**(221)**	(343)	122
Net cash used in investing activities	**$ (6,508)**	$ (5,492)	$ (1,016)

The variance is primarily due to higher overall investments in the EU&I segment.

FINANCING CASH FLOWS

The following table summarizes key components of Duke Energy's financing cash flows.

	Six Months Ended June 30,		
(in millions)	**2023**	**2022**	**Variance**
Issuances of long-term debt, net	**$ 4,722**	$ 2,567	$ 2,155
Notes payable, commercial paper and other short-term borrowings	**(582)**	558	(1,140)
Dividends paid	**(1,606)**	(1,574)	(32)
Contributions from noncontrolling interests	**248**	126	122
Other financing items	**(95)**	(101)	6
Net cash provided by financing activities	**$ 2,687**	$ 1,576	$ 1,111

The variance was primarily due to:

- a $2,155 million increase in net proceeds from issuances of long-term debt, primarily due to timing of issuances and redemptions of long-term debt; and
- a $122 million increase in contributions from noncontrolling interests.

Partially offset by:

- a $1,140 million decrease in net borrowings from notes payable and commercial paper.

OTHER MATTERS

Environmental Regulations

The Duke Energy Registrants are subject to federal, state and local regulations regarding air and water quality, hazardous and solid waste disposal, coal ash and other environmental matters. These regulations can be changed from time to time and result in new obligations of the Duke Energy Registrants. Refer to Note 4, "Regulatory Matters," in Duke Energy's Annual Report on Form 10-K for the year ended December 31, 2022, for more information regarding potential plant retirements and Note 4, "Regulatory Matters," to the Condensed Consolidated Financial Statements, for further information regarding regulatory filings related to the Duke Energy Registrants.

On May 18, 2023, the EPA published in the Federal Register a proposed rule under the Resource Conservation and Recovery Act, which would establish regulatory requirements for inactive surface impoundments at inactive generating facilities (Legacy CCR Surface Impoundments) and establish groundwater monitoring, corrective action, closure and post-closure care requirements for all CCR management units at facilities otherwise subject to the CCR rule. Duke Energy is reviewing the proposed rule and analyzing the potential impacts it could have on the Company, which could be material.

On May 23, 2023, the EPA published in the Federal Register proposed new source performance standards under Clean Air Act (CAA) section 111(b) that would establish standards of performance for emissions of carbon dioxide for newly constructed, modified, and reconstructed fossil fuel-fired electric utility steam generating units and fossil fuel-fired stationary combustion turbines. On that same day, in a separate rulemaking under CAA section 111(d), the EPA published proposed emission guidelines for states to use in developing plans to limit carbon dioxide emissions from existing fossil fuel-fired electric generating units and certain large existing stationary combustion turbines. Duke Energy is reviewing the proposed rules and analyzing the potential impacts they could have on the Company, which could be material.

ITEM 3. QUANTITATIVE AND QUALITATIVE DISCLOSURES ABOUT MARKET RISK

For an in-depth discussion of the Duke Energy Registrants' market risks, see "Quantitative and Qualitative Disclosures about Market Risk" in Item 7 of Duke Energy's Annual Report on Form 10-K for the year ended December 31, 2022.

ITEM 4. CONTROLS AND PROCEDURES

Disclosure Controls and Procedures

Disclosure controls and procedures are controls and other procedures that are designed to ensure that information required to be disclosed by the Duke Energy Registrants in the reports they file or submit under the Exchange Act is recorded, processed, summarized and reported, within the time periods specified by the SEC rules and forms.

Disclosure controls and procedures include, without limitation, controls and procedures designed to provide reasonable assurance that information required to be disclosed by the Duke Energy Registrants in the reports they file or submit under the Exchange Act is accumulated and communicated to management, including the Chief Executive Officer and Chief Financial Officer, as appropriate, to allow timely decisions regarding required disclosure.

Under the supervision and with the participation of management, including the Chief Executive Officer and Chief Financial Officer, the Duke Energy Registrants have evaluated the effectiveness of their disclosure controls and procedures (as such term is defined in Rule 13a-15(e) and 15d-15(e) under the Exchange Act) as of June 30, 2023, and, based on this evaluation, the Chief Executive Officer and Chief Financial Officer have concluded that these controls and procedures are effective in providing reasonable assurance of compliance.

Changes in Internal Control over Financial Reporting

Under the supervision and with the participation of management, including the Chief Executive Officer and Chief Financial Officer, the Duke Energy Registrants have evaluated changes in internal control over financial reporting (as such term is defined in Rules 13a-15 and 15d-15 under the Exchange Act) that occurred during the fiscal quarter ended June 30, 2023, and have concluded no change has materially affected, or is reasonably likely to materially affect, internal controls over financial reporting.

OTHER INFORMATION

ITEM 1. LEGAL PROCEEDINGS

The Duke Energy Registrants are, from time to time, parties to various lawsuits and regulatory proceedings in the ordinary course of their business. For information regarding legal proceedings, including regulatory and environmental matters, see Note 4, "Regulatory Matters," and Note 5, "Commitments and Contingencies," to the Condensed Consolidated Financial Statements. For additional information, see Item 3, "Legal Proceedings," in Duke Energy's Annual Report on Form 10-K for the year ended December 31, 2022.

ITEM 1A. RISK FACTORS

In addition to the other information set forth in this report, careful consideration should be given to the factors discussed in Part I, “Item 1A. Risk Factors” in the Duke Energy's Annual Report on Form 10-K for the year ended December 31, 2022, which could materially affect the Duke Energy Registrants’ financial condition or future results.

ITEM 2. UNREGISTERED SALES OF EQUITY SECURITIES AND USE OF PROCEEDS

None.

ITEM 5. OTHER INFORMATION

During the three months ended June 30, 2023, no director or officer of the Company adopted, terminated or modified a Rule 10b5-1 trading arrangement or non-Rule 10b5-1 trading arrangement, as each term is defined in Item 408(a) of Regulation S-K.

ITEM 6. EXHIBITS

Exhibits filed herein are designated by an asterisk (*). All exhibits not so designated are incorporated by reference to a prior filing, as indicated. Items constituting management contracts or compensatory plans or arrangements are designated by a double asterisk (**). The Company agrees to furnish upon request to the commission a copy of any omitted schedules or exhibits upon request on all items designated by a triple asterisk (***).

Exhibit Number		Duke Energy	Duke Energy Carolinas	Progress Energy	Duke Energy Progress	Duke Energy Florida	Duke Energy Ohio	Duke Energy Indiana	Piedmont
4.1	Indenture, dated as of April 6, 2023, between Duke Energy Corporation and The Bank of New York Mellon Trust Company, N.A., as Trustee (incorporated by reference to exhibit 4.1 to registrant's Current Report on Form 8-K filed on April 6, 2023, File No. 1-32853).	X							
4.2	Thirteenth Supplemental Indenture dated as of June 8, 2023, between Piedmont Natural Gas Company, Inc. and The Bank of New York Mellon Trust Company, N.A., as successor to Citibank, N.A.(incorporated by reference to exhibit 4.1 to registrant's Current Report on Form 8-K filed on June 8, 2023, File No. 1-6196).								X
4.3	One-Hundred and Eighth Supplemental Indenture, dated as of June 15, 2023, between Duke Energy Carolinas, LLC and The Bank of New York Mellon Trust Company, N.A., as Trustee (incorporated by reference to Exhibit 4.2 to registrant's Current Report on Form 8-K filed on June 15, 2023, File No. 1-04928).		X						
4.4	One-Hundred and Ninth Supplemental Indenture, dated as of June 15, 2023, between Duke Energy Carolinas, LLC and The Bank of New York Mellon Trust Company, N.A., as Trustee (incorporated by reference to Exhibit 4.3 to registrant's Current Report on Form 8-K filed on June 15, 2023, File No. 1-04928).		X						
10.1**	Restricted Stock Unit Award Agreement (incorporated by reference to Exhibit 10.1 to registrant's Current Report on Form 8-K filed on May 9, 2023, File No. 1-32853).	X							
10.2**	Performance Share Award Agreement (incorporated by reference to Exhibit 10.2 to registrant's Current Report on Form 8-K filed on May 9, 2023, File No. 1-32853).	X							
*31.1.1	Certification of the Chief Executive Officer Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.	X							
*31.1.2	Certification of the Chief Executive Officer Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.		X						
*31.1.3	Certification of the Chief Executive Officer Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.			X					
*31.1.4	Certification of the Chief Executive Officer Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.				X				
*31.1.5	Certification of the Chief Executive Officer Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.					X			
*31.1.6	Certification of the Chief Executive Officer Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.						X		

EXHIBITS

*31.1.7	Certification of the Chief Executive Officer Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.							X	
*31.1.8	Certification of the Chief Executive Officer Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.								X
*31.2.1	Certification of the Chief Financial Officer Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.	X							
*31.2.2	Certification of the Chief Financial Officer Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.		X						
*31.2.3	Certification of the Chief Financial Officer Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.			X					
*31.2.4	Certification of the Chief Financial Officer Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.				X				
*31.2.5	Certification of the Chief Financial Officer Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.					X			
*31.2.6	Certification of the Chief Financial Officer Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.						X		
*31.2.7	Certification of the Chief Financial Officer Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.							X	
*31.2.8	Certification of the Chief Financial Officer Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.								X
*32.1.1	Certification Pursuant to 18 U.S.C. Section 1350, as Adopted Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.	X							
*32.1.2	Certification Pursuant to 18 U.S.C. Section 1350, as Adopted Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.		X						
*32.1.3	Certification Pursuant to 18 U.S.C. Section 1350, as Adopted Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.			X					
*32.1.4	Certification Pursuant to 18 U.S.C. Section 1350, as Adopted Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.				X				
*32.1.5	Certification Pursuant to 18 U.S.C. Section 1350, as Adopted Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.					X			
*32.1.6	Certification Pursuant to 18 U.S.C. Section 1350, as Adopted Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.						X		
*32.1.7	Certification Pursuant to 18 U.S.C. Section 1350, as Adopted Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.							X	
*32.1.8	Certification Pursuant to 18 U.S.C. Section 1350, as Adopted Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.								X
*32.2.1	Certification Pursuant to 18 U.S.C. Section 1350, as Adopted Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.	X							
*32.2.2	Certification Pursuant to 18 U.S.C. Section 1350, as Adopted Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.		X						
*32.2.3	Certification Pursuant to 18 U.S.C. Section 1350, as Adopted Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.			X					

EXHIBITS

*32.2.4	Certification Pursuant to 18 U.S.C. Section 1350, as Adopted Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.				X				
*32.2.5	Certification Pursuant to 18 U.S.C. Section 1350, as Adopted Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.					X			
*32.2.6	Certification Pursuant to 18 U.S.C. Section 1350, as Adopted Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.						X		
*32.2.7	Certification Pursuant to 18 U.S.C. Section 1350, as Adopted Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.							X	
*32.2.8	Certification Pursuant to 18 U.S.C. Section 1350, as Adopted Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.								X
*101.INS	XBRL Instance Document (this does not appear in the Interactive Data File because its XBRL tags are embedded within the Inline XBRL document).	X	X	X	X	X	X	X	X
*101.SCH	XBRL Taxonomy Extension Schema Document.	X	X	X	X	X	X	X	X
*101.CAL	XBRL Taxonomy Calculation Linkbase Document.	X	X	X	X	X	X	X	X
*101.LAB	XBRL Taxonomy Label Linkbase Document.	X	X	X	X	X	X	X	X
*101.PRE	XBRL Taxonomy Presentation Linkbase Document.	X	X	X	X	X	X	X	X
*101.DEF	XBRL Taxonomy Definition Linkbase Document.	X	X	X	X	X	X	X	X
*104	Cover Page Interactive Data File (formatted in Inline XBRL and contained in Exhibit 101).	X	X	X	X	X	X	X	X

The total amount of securities of the registrant or its subsidiaries authorized under any instrument with respect to long-term debt not filed as an exhibit does not exceed 10% of the total assets of the registrant and its subsidiaries on a consolidated basis. The registrant agrees, upon request of the SEC, to furnish copies of any or all of such instruments to it.

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrants have duly caused this report to be signed on their behalf by the undersigned thereunto duly authorized.

DUKE ENERGY CORPORATION
DUKE ENERGY CAROLINAS, LLC
PROGRESS ENERGY, INC.
DUKE ENERGY PROGRESS, LLC
DUKE ENERGY FLORIDA, LLC
DUKE ENERGY OHIO, INC.
DUKE ENERGY INDIANA, LLC
PIEDMONT NATURAL GAS COMPANY, INC.

Date: August 8, 2023

/s/ BRIAN D. SAVOY

Brian D. Savoy
Executive Vice President and Chief Financial Officer (Principal Financial Officer)

Date: August 8, 2023

/s/ CYNTHIA S. LEE

Cynthia S. Lee
Vice President, Chief Accounting Officer
and Controller
(Principal Accounting Officer)

EXHIBIT 31.1.1

**CERTIFICATION OF THE CHIEF EXECUTIVE OFFICER
PURSUANT TO SECTION 302 OF THE SARBANES-OXLEY ACT OF 2002**

I, Lynn J. Good, certify that:

1) I have reviewed this quarterly report on Form 10-Q of Duke Energy Corporation;

2) Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;

3) Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;

4) The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Acts Rules 13a-15(f) and 15d-15(f)) for the registrant and have:

   a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;

   b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;

   c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and

   d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and

5) The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):

   a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and

   b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: August 8, 2023

/s/ LYNN J. GOOD

Lynn J. Good
Chair, President and
Chief Executive Officer

EXHIBIT 31.1.2

CERTIFICATION OF THE CHIEF EXECUTIVE OFFICER
PURSUANT TO SECTION 302 OF THE SARBANES-OXLEY ACT OF 2002

I, Lynn J. Good, certify that:

1) I have reviewed this quarterly report on Form 10-Q of Duke Energy Carolinas, LLC;

2) Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;

3) Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;

4) The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Acts Rules 13a–15(f) and 15d–15(f)) for the registrant and have:

   a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;

   b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;

   c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and

   d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and

5) The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):

   a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and

   b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: August 8, 2023

/s/ LYNN J. GOOD

Lynn J. Good
Chief Executive Officer

EXHIBIT 31.1.3

**CERTIFICATION OF THE CHIEF EXECUTIVE OFFICER
PURSUANT TO SECTION 302 OF THE SARBANES-OXLEY ACT OF 2002**

I, Lynn J. Good, certify that:

1) I have reviewed this quarterly report on Form 10-Q of Progress Energy, Inc.;

2) Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;

3) Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;

4) The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Acts Rules 13a–15(f) and 15d–15(f)) for the registrant and have:

   a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;

   b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;

   c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and

   d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and

5) The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):

   a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and

   b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: August 8, 2023

/s/ LYNN J. GOOD

Lynn J. Good
Chief Executive Officer

EXHIBIT 31.1.4

**CERTIFICATION OF THE CHIEF EXECUTIVE OFFICER
PURSUANT TO SECTION 302 OF THE SARBANES-OXLEY ACT OF 2002**

I, Lynn J. Good, certify that:

1) I have reviewed this quarterly report on Form 10-Q of Duke Energy Progress, LLC;

2) Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;

3) Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;

4) The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Acts Rules 13a–15(f) and 15d–15(f)) for the registrant and have:

   a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;

   b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;

   c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and

   d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and

5) The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):

   a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and

   b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: August 8, 2023

/s/ LYNN J. GOOD

Lynn J. Good
Chief Executive Officer

EXHIBIT 31.1.5

**CERTIFICATION OF THE CHIEF EXECUTIVE OFFICER
PURSUANT TO SECTION 302 OF THE SARBANES-OXLEY ACT OF 2002**

I, Lynn J. Good, certify that:

1) I have reviewed this quarterly report on Form 10-Q of Duke Energy Florida, LLC;

2) Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;

3) Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;

4) The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Acts Rules 13a–15(f) and 15d–15(f)) for the registrant and have:

   a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;

   b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;

   c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and

   d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and

5) The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):

   a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and

   b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: August 8, 2023

/s/ LYNN J. GOOD

Lynn J. Good
Chief Executive Officer

EXHIBIT 31.1.6

CERTIFICATION OF THE CHIEF EXECUTIVE OFFICER
PURSUANT TO SECTION 302 OF THE SARBANES-OXLEY ACT OF 2002

I, Lynn J. Good, certify that:

1) I have reviewed this quarterly report on Form 10-Q of Duke Energy Ohio, Inc.;

2) Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;

3) Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;

4) The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Acts Rules 13a-15(f) and 15d-15(f)) for the registrant and have:

   a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;

   b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;

   c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and

   d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and

5) The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):

   a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and

   b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: August 8, 2023

/s/ LYNN J. GOOD

Lynn J. Good
Chief Executive Officer

EXHIBIT 31.1.7

CERTIFICATION OF THE CHIEF EXECUTIVE OFFICER
PURSUANT TO SECTION 302 OF THE SARBANES-OXLEY ACT OF 2002

I, Lynn J. Good, certify that:

1) I have reviewed this quarterly report on Form 10-Q of Duke Energy Indiana, LLC;

2) Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;

3) Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;

4) The registrant’s other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Acts Rules 13a-15(f) and 15d-15(f)) for the registrant and have:

   a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;

   b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;

   c) Evaluated the effectiveness of the registrant’s disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and

   d) Disclosed in this report any change in the registrant’s internal control over financial reporting that occurred during the registrant’s most recent fiscal quarter (the registrant’s fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant’s internal control over financial reporting; and

5) The registrant’s other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant’s auditors and the audit committee of the registrant’s board of directors (or persons performing the equivalent functions):

   a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant’s ability to record, process, summarize and report financial information; and

   b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant’s internal control over financial reporting.

Date: August 8, 2023

/s/ LYNN J. GOOD

Lynn J. Good
Chief Executive Officer

EXHIBIT 31.1.8

CERTIFICATION OF THE CHIEF EXECUTIVE OFFICER
PURSUANT TO SECTION 302 OF THE SARBANES-OXLEY ACT OF 2002

I, Lynn J. Good, certify that:

1) I have reviewed this quarterly report on Form 10-Q of Piedmont Natural Gas Company, Inc.;

2) Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;

3) Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;

4) The registrant’s other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Acts Rules 13a-15(f) and 15d-15(f)) for the registrant and have:

   a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;

   b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;

   c) Evaluated the effectiveness of the registrant’s disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and

   d) Disclosed in this report any change in the registrant’s internal control over financial reporting that occurred during the registrant’s most recent fiscal quarter (the registrant’s fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant’s internal control over financial reporting; and

5) The registrant’s other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant’s auditors and the audit committee of the registrant’s board of directors (or persons performing the equivalent functions):

   a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant’s ability to record, process, summarize and report financial information; and

   b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant’s internal control over financial reporting.

Date: August 8, 2023

/s/ LYNN J. GOOD

Lynn J. Good
Chief Executive Officer

EXHIBIT 31.2.1

CERTIFICATION OF THE CHIEF FINANCIAL OFFICER
PURSUANT TO SECTION 302 OF THE SARBANES-OXLEY ACT OF 2002

I, Brian D. Savoy, certify that:

1) I have reviewed this quarterly report on Form 10-Q of Duke Energy Corporation;

2) Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;

3) Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;

4) The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Acts Rules 13a-15(f) and 15d-15(f)) for the registrant and have:

   a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;

   b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;

   c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and

   d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and

5) The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):

   a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and

   b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: August 8, 2023

/s/ BRIAN D. SAVOY

Brian D. Savoy
Executive Vice President and Chief Financial Officer

EXHIBIT 31.2.2

CERTIFICATION OF THE CHIEF FINANCIAL OFFICER
PURSUANT TO SECTION 302 OF THE SARBANES-OXLEY ACT OF 2002

I, Brian D. Savoy, certify that:

1) I have reviewed this quarterly report on Form 10-Q of Duke Energy Carolinas, LLC;

2) Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;

3) Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;

4) The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Acts Rules 13a–15(f) and 15d–15(f)) for the registrant and have:

   a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;

   b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;

   c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and

   d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and

5) The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):

   a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and

   b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: August 8, 2023

/s/ BRIAN D. SAVOY

Brian D. Savoy
Executive Vice President and Chief Financial Officer

EXHIBIT 31.2.3

**CERTIFICATION OF THE CHIEF FINANCIAL OFFICER
PURSUANT TO SECTION 302 OF THE SARBANES-OXLEY ACT OF 2002**

I, Brian D. Savoy, certify that:

1) I have reviewed this quarterly report on Form 10-Q of Progress Energy, Inc.;

2) Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;

3) Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;

4) The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Acts Rules 13a–15(f) and 15d–15(f)) for the registrant and have:

   a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;

   b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;

   c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and

   d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and

5) The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):

   a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and

   b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: August 8, 2023

/s/ BRIAN D. SAVOY

Brian D. Savoy
Executive Vice President and Chief Financial Officer

EXHIBIT 31.2.4

CERTIFICATION OF THE CHIEF FINANCIAL OFFICER
PURSUANT TO SECTION 302 OF THE SARBANES-OXLEY ACT OF 2002

I, Brian D. Savoy, certify that:

1) I have reviewed this quarterly report on Form 10-Q of Duke Energy Progress, LLC;

2) Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;

3) Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;

4) The registrant’s other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Acts Rules 13a–15(f) and 15d–15(f)) for the registrant and have:

   a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;

   b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;

   c) Evaluated the effectiveness of the registrant’s disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and

   d) Disclosed in this report any change in the registrant’s internal control over financial reporting that occurred during the registrant’s most recent fiscal quarter (the registrant’s fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant’s internal control over financial reporting; and

5) The registrant’s other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant’s auditors and the audit committee of the registrant’s board of directors (or persons performing the equivalent functions):

   a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant’s ability to record, process, summarize and report financial information; and

   b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant’s internal control over financial reporting.

Date: August 8, 2023

/s/ BRIAN D. SAVOY

Brian D. Savoy
Executive Vice President and Chief Financial Officer

EXHIBIT 31.2.5

CERTIFICATION OF THE CHIEF FINANCIAL OFFICER
PURSUANT TO SECTION 302 OF THE SARBANES-OXLEY ACT OF 2002

I, Brian D. Savoy, certify that:

1) I have reviewed this quarterly report on Form 10-Q of Duke Energy Florida, LLC;

2) Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;

3) Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;

4) The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Acts Rules 13a–15(f) and 15d–15(f)) for the registrant and have:

   a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;

   b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;

   c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and

   d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and

5) The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):

   a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and

   b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: August 8, 2023

/s/ BRIAN D. SAVOY

Brian D. Savoy
Executive Vice President and Chief Financial Officer

EXHIBIT 31.2.6

CERTIFICATION OF THE CHIEF FINANCIAL OFFICER
PURSUANT TO SECTION 302 OF THE SARBANES-OXLEY ACT OF 2002

I, Brian D. Savoy, certify that:

1) I have reviewed this quarterly report on Form 10-Q of Duke Energy Ohio, Inc.;

2) Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;

3) Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;

4) The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Acts Rules 13a-15(f) and 15d-15(f)) for the registrant and have:

   a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;

   b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;

   c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and

   d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and

5) The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):

   a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and

   b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: August 8, 2023

/s/ BRIAN D. SAVOY

Brian D. Savoy
Executive Vice President and Chief Financial Officer

EXHIBIT 31.2.7

**CERTIFICATION OF THE CHIEF FINANCIAL OFFICER
PURSUANT TO SECTION 302 OF THE SARBANES-OXLEY ACT OF 2002**

I, Brian D. Savoy, certify that:

1) I have reviewed this quarterly report on Form 10-Q of Duke Energy Indiana, LLC;

2) Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;

3) Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;

4) The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Acts Rules 13a-15(f) and 15d-15(f)) for the registrant and have:

   a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;

   b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;

   c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and

   d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and

5) The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):

   a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and

   b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: August 8, 2023

/s/ BRIAN D. SAVOY

Brian D. Savoy
Executive Vice President and Chief Financial Officer

EXHIBIT 31.2.8

**CERTIFICATION OF THE CHIEF FINANCIAL OFFICER
PURSUANT TO SECTION 302 OF THE SARBANES-OXLEY ACT OF 2002**

I, Brian D. Savoy, certify that:

1) I have reviewed this quarterly report on Form 10-Q of Piedmont Natural Gas Company, Inc.;

2) Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;

3) Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;

4) The registrant’s other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Acts Rules 13a–15(f) and 15d–15(f)) for the registrant and have:

   a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;

   b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;

   c) Evaluated the effectiveness of the registrant’s disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and

   d) Disclosed in this report any change in the registrant’s internal control over financial reporting that occurred during the registrant’s most recent fiscal quarter (the registrant’s fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant’s internal control over financial reporting; and

5) The registrant’s other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant’s auditors and the audit committee of the registrant’s board of directors (or persons performing the equivalent functions):

   a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant’s ability to record, process, summarize and report financial information; and

   b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant’s internal control over financial reporting.

Date: August 8, 2023

/s/ BRIAN D. SAVOY

Brian D. Savoy
Executive Vice President and Chief Financial Officer

EXHIBIT 32.1.1

**CERTIFICATION PURSUANT TO
18 U.S.C. SECTION 1350,
AS ADOPTED PURSUANT TO
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002**

In connection with the Quarterly Report of Duke Energy Corporation (“Duke Energy”) on Form 10-Q for the period ending June 30, 2023, as filed with the Securities and Exchange Commission on the date hereof (the “Report”), I, Lynn J. Good, Chair, President and Chief Executive Officer of Duke Energy, certify, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that:

(1) The Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934; and

(2) The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of Duke Energy.

/s/ LYNN J. GOOD

Lynn J. Good
Chair, President and
Chief Executive Officer

August 8, 2023

EXHIBIT 32.1.2

**CERTIFICATION PURSUANT TO
18 U.S.C. SECTION 1350,
AS ADOPTED PURSUANT TO
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002**

In connection with the Quarterly Report of Duke Energy Carolinas, LLC (“Duke Energy Carolinas”) on Form 10-Q for the period ending June 30, 2023, as filed with the Securities and Exchange Commission on the date hereof (the “Report”), I, Lynn J. Good, Chief Executive Officer of Duke Energy Carolinas, certify, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that:

(1) The Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934; and

(2) The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of Duke Energy Carolinas.

/s/ LYNN J. GOOD

Lynn J. Good
Chief Executive Officer

August 8, 2023

EXHIBIT 32.1.3

CERTIFICATION PURSUANT TO
18 U.S.C. SECTION 1350,
AS ADOPTED PURSUANT TO
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002

In connection with the Quarterly Report of Progress Energy, Inc. (“Progress Energy”) on Form 10-Q for the period ending June 30, 2023, as filed with the Securities and Exchange Commission on the date hereof (the “Report”), I, Lynn J. Good, Chief Executive Officer of Progress Energy, certify, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that:

(1) The Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934; and

(2) The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of Progress Energy.

/s/ LYNN J. GOOD

Lynn J. Good
Chief Executive Officer

August 8, 2023

EXHIBIT 32.1.4

CERTIFICATION PURSUANT TO
18 U.S.C. SECTION 1350,
AS ADOPTED PURSUANT TO
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002

In connection with the Quarterly Report of Duke Energy Progress, LLC (“Duke Energy Progress”) on Form 10-Q for the period ending June 30, 2023, as filed with the Securities and Exchange Commission on the date hereof (the “Report”), I, Lynn J. Good, Chief Executive Officer of Duke Energy Progress, certify, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that:

(1) The Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934; and

(2) The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of Duke Energy Progress.

/s/ LYNN J. GOOD

Lynn J. Good
Chief Executive Officer

August 8, 2023

EXHIBIT 32.1.5

**CERTIFICATION PURSUANT TO
18 U.S.C. SECTION 1350,
AS ADOPTED PURSUANT TO
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002**

In connection with the Quarterly Report of Duke Energy Florida, LLC (“Duke Energy Florida”) on Form 10-Q for the period ending June 30, 2023, as filed with the Securities and Exchange Commission on the date hereof (the “Report”), I, Lynn J. Good, Chief Executive Officer of Duke Energy Florida, certify, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that:

(1) The Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934; and

(2) The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of Duke Energy Florida.

/s/ LYNN J. GOOD

Lynn J. Good
Chief Executive Officer

August 8, 2023

EXHIBIT 32.1.6

**CERTIFICATION PURSUANT TO
18 U.S.C. SECTION 1350,
AS ADOPTED PURSUANT TO
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002**

In connection with the Quarterly Report of Duke Energy Ohio, Inc. ("Duke Energy Ohio") on Form 10-Q for the period ending June 30, 2023, as filed with the Securities and Exchange Commission on the date hereof (the "Report"), I, Lynn J. Good, Chief Executive Officer of Duke Energy Ohio, certify, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that:

(1) The Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934; and

(2) The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of Duke Energy Ohio.

/s/ LYNN J. GOOD

Lynn J. Good
Chief Executive Officer

August 8, 2023

EXHIBIT 32.1.7

**CERTIFICATION PURSUANT TO
18 U.S.C. SECTION 1350,
AS ADOPTED PURSUANT TO
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002**

In connection with the Quarterly Report of Duke Energy Indiana, LLC ("Duke Energy Indiana") on Form 10-Q for the period ending June 30, 2023, as filed with the Securities and Exchange Commission on the date hereof (the "Report"), I, Lynn J. Good, Chief Executive Officer of Duke Energy Indiana, certify, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that:

(1) The Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934; and

(2) The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of Duke Energy Indiana.

/s/ LYNN J. GOOD

Lynn J. Good
Chief Executive Officer

August 8, 2023

EXHIBIT 32.1.8

**CERTIFICATION PURSUANT TO
18 U.S.C. SECTION 1350,
AS ADOPTED PURSUANT TO
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002**

In connection with the Quarterly Report of Piedmont Natural Gas Company, Inc. (“Piedmont”) on Form 10-Q for the period ending June 30, 2023, as filed with the Securities and Exchange Commission on the date hereof (the “Report”), I, Lynn J. Good, Chief Executive Officer of Piedmont, certify, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that:

(1) The Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934; and

(2) The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of Piedmont.

/s/ LYNN J. GOOD

Lynn J. Good
Chief Executive Officer

August 8, 2023

EXHIBIT 32.2.1

**CERTIFICATION PURSUANT TO
18 U.S.C. SECTION 1350,
AS ADOPTED PURSUANT TO
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002**

In connection with the Quarterly Report of Duke Energy Corporation (“Duke Energy”) on Form 10-Q for the period ending June 30, 2023, as filed with the Securities and Exchange Commission on the date hereof (the “Report”), I, Brian D. Savoy, Executive Vice President and Chief Financial Officer of Duke Energy, certify, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that:

(1) The Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934; and

(2) The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of Duke Energy.

/s/ BRIAN D. SAVOY

Brian D. Savoy
Executive Vice President and Chief Financial Officer

August 8, 2023

EXHIBIT 32.2.2

CERTIFICATION PURSUANT TO
18 U.S.C. SECTION 1350,
AS ADOPTED PURSUANT TO
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002

In connection with the Quarterly Report of Duke Energy Carolinas, LLC (“Duke Energy Carolinas”) on Form 10-Q for the period ending June 30, 2023, as filed with the Securities and Exchange Commission on the date hereof (the “Report”), I, Brian D. Savoy, Executive Vice President and Chief Financial Officer of Duke Energy Carolinas, certify, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that:

(1) The Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934; and

(2) The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of Duke Energy Carolinas.

/s/ BRIAN D. SAVOY

Brian D. Savoy
Executive Vice President and Chief Financial Officer

August 8, 2023

EXHIBIT 32.2.3

**CERTIFICATION PURSUANT TO
18 U.S.C. SECTION 1350,
AS ADOPTED PURSUANT TO
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002**

In connection with the Quarterly Report of Progress Energy, Inc. (“Progress Energy”) on Form 10-Q for the period ending June 30, 2023, as filed with the Securities and Exchange Commission on the date hereof (the “Report”), I, Brian D. Savoy, Executive Vice President and Chief Financial Officer of Progress Energy, certify, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that:

(1) The Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934; and

(2) The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of Progress Energy.

/s/ BRIAN D. SAVOY

Brian D. Savoy
Executive Vice President and Chief Financial Officer

August 8, 2023

EXHIBIT 32.2.4

CERTIFICATION PURSUANT TO
18 U.S.C. SECTION 1350,
AS ADOPTED PURSUANT TO
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002

In connection with the Quarterly Report of Duke Energy Progress, LLC ("Duke Energy Progress") on Form 10-Q for the period ending June 30, 2023, as filed with the Securities and Exchange Commission on the date hereof (the "Report"), I, Brian D. Savoy, Executive Vice President and Chief Financial Officer of Duke Energy Progress, certify, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that:

(1) The Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934; and

(2) The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of Duke Energy Progress.

/s/ BRIAN D. SAVOY

Brian D. Savoy
Executive Vice President and Chief Financial Officer

August 8, 2023

EXHIBIT 32.2.5

CERTIFICATION PURSUANT TO
18 U.S.C. SECTION 1350,
AS ADOPTED PURSUANT TO
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002

In connection with the Quarterly Report of Duke Energy Florida, LLC ("Duke Energy Florida") on Form 10-Q for the period ending June 30, 2023, as filed with the Securities and Exchange Commission on the date hereof (the "Report"), I, Brian D. Savoy, Executive Vice President and Chief Financial Officer of Duke Energy Florida, certify, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that:

(1) The Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934; and

(2) The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of Duke Energy Florida.

/s/ BRIAN D. SAVOY

Brian D. Savoy
Executive Vice President and Chief Financial Officer

August 8, 2023

EXHIBIT 32.2.6

**CERTIFICATION PURSUANT TO
18 U.S.C. SECTION 1350,
AS ADOPTED PURSUANT TO
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002**

In connection with the Quarterly Report of Duke Energy Ohio, Inc. (“Duke Energy Ohio”) on Form 10-Q for the period ending June 30, 2023, as filed with the Securities and Exchange Commission on the date hereof (the “Report”), I, Brian D. Savoy, Executive Vice President and Chief Financial Officer of Duke Energy Ohio, certify, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that:

(1) The Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934; and

(2) The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of Duke Energy Ohio.

/s/ BRIAN D. SAVOY

Brian D. Savoy
Executive Vice President and Chief Financial Officer

August 8, 2023

EXHIBIT 32.2.7

**CERTIFICATION PURSUANT TO
18 U.S.C. SECTION 1350,
AS ADOPTED PURSUANT TO
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002**

In connection with the Quarterly Report of Duke Energy Indiana, LLC (“Duke Energy Indiana”) on Form 10-Q for the period ending June 30, 2023, as filed with the Securities and Exchange Commission on the date hereof (the “Report”), I, Brian D. Savoy, Executive Vice President and Chief Financial Officer of Duke Energy Indiana, certify, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that:

(1) The Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934; and

(2) The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of Duke Energy Indiana.

/s/ BRIAN D. SAVOY

Brian D. Savoy
Executive Vice President and Chief Financial Officer

August 8, 2023

EXHIBIT 32.2.8

**CERTIFICATION PURSUANT TO
18 U.S.C. SECTION 1350,
AS ADOPTED PURSUANT TO
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002**

In connection with the Quarterly Report of Piedmont Natural Gas Company, Inc. (“Piedmont”) on Form 10-Q for the period ending June 30, 2023, as filed with the Securities and Exchange Commission on the date hereof (the “Report”), I, Brian D. Savoy, Executive Vice President and Chief Financial Officer of Piedmont, certify, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that:

(1) The Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934; and

(2) The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of Piedmont.

/s/ BRIAN D. SAVOY

Brian D. Savoy
Executive Vice President and Chief Financial Officer

August 8, 2023

UNITED STATES SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, D.C. 20549

FORM 10-Q

(Mark One)

☒ **QUARTERLY REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934**

For the quarterly period ended March 31, 2023

OR

☐ **TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934**

For the transition period from _________to_________

Commission File Number	Registrant, State of Incorporation or Organization, Address of Principal Executive Offices, Zip Code and Telephone Number	IRS Employer Identification No.
	DUKE ENERGY	
1-32853	**DUKE ENERGY CORPORATION** (a Delaware corporation) 526 South Church Street Charlotte, North Carolina 28202-1803 704-382-3853	20-2777218
1-4928	**DUKE ENERGY CAROLINAS, LLC** (a North Carolina limited liability company) 526 South Church Street Charlotte, North Carolina 28202-1803 704-382-3853	56-0205520
1-15929	**PROGRESS ENERGY, INC.** (a North Carolina corporation) 410 South Wilmington Street Raleigh, North Carolina 27601-1748 704-382-3853	56-2155481
1-3382	**DUKE ENERGY PROGRESS, LLC** (a North Carolina limited liability company) 410 South Wilmington Street Raleigh, North Carolina 27601-1748 704-382-3853	56-0165465
1-3274	**DUKE ENERGY FLORIDA, LLC** (a Florida limited liability company) 299 First Avenue North St. Petersburg, Florida 33701 704-382-3853	59-0247770
1-1232	**DUKE ENERGY OHIO, INC.** (an Ohio corporation) 139 East Fourth Street Cincinnati, Ohio 45202 704-382-3853	31-0240030
1-3543	**DUKE ENERGY INDIANA, LLC** (an Indiana limited liability company) 1000 East Main Street Plainfield, Indiana 46168 704-382-3853	35-0594457
1-6196	**PIEDMONT NATURAL GAS COMPANY, INC.** (a North Carolina corporation) 4720 Piedmont Row Drive Charlotte, North Carolina 28210 704-364-3120	56-0556998

SECURITIES REGISTERED PURSUANT TO SECTION 12(b) OF THE ACT:

Registrant	Title of each class	Trading symbols	Name of each exchange on which registered
Duke Energy	Common Stock, $0.001 par value	DUK	New York Stock Exchange LLC
Duke Energy	5.625% Junior Subordinated Debentures due September 15, 2078	DUKB	New York Stock Exchange LLC
Duke Energy	Depositary Shares, each representing a 1/1,000th interest in a share of 5.75% Series A Cumulative Redeemable Perpetual Preferred Stock, par value $0.001 per share	DUK PR A	New York Stock Exchange LLC
Duke Energy	3.10% Senior Notes due 2028	DUK 28A	New York Stock Exchange LLC
Duke Energy	3.85% Senior Notes due 2034	DUK 34	New York Stock Exchange LLC

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days.

Duke Energy Corporation (Duke Energy)	Yes ☒	No ☐	Duke Energy Florida, LLC (Duke Energy Florida)	Yes ☒	No ☐
Duke Energy Carolinas, LLC (Duke Energy Carolinas)	Yes ☒	No ☐	Duke Energy Ohio, Inc. (Duke Energy Ohio)	Yes ☒	No ☐
Progress Energy, Inc. (Progress Energy)	Yes ☒	No ☐	Duke Energy Indiana, LLC (Duke Energy Indiana)	Yes ☒	No ☐
Duke Energy Progress, LLC (Duke Energy Progress)	Yes ☒	No ☐	Piedmont Natural Gas Company, Inc. (Piedmont)	Yes ☒	No ☐

Indicate by check mark whether the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T (§232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit such files).

Duke Energy	Yes ☒	No ☐	Duke Energy Florida	Yes ☒	No ☐
Duke Energy Carolinas	Yes ☒	No ☐	Duke Energy Ohio	Yes ☒	No ☐
Progress Energy	Yes ☒	No ☐	Duke Energy Indiana	Yes ☒	No ☐
Duke Energy Progress	Yes ☒	No ☐	Piedmont	Yes ☒	No ☐

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, a smaller reporting company or an emerging growth company. See the definitions of “large accelerated filer,” “accelerated filer,” “smaller reporting company” and "emerging growth company" in Rule 12b-2 of the Exchange Act.

Duke Energy	Large Accelerated Filer ☒	Accelerated filer ☐	Non-accelerated Filer ☐	Smaller reporting company ☐	Emerging growth company ☐
Duke Energy Carolinas	Large Accelerated Filer ☐	Accelerated filer ☐	Non-accelerated Filer ☒	Smaller reporting company ☐	Emerging growth company ☐
Progress Energy	Large Accelerated Filer ☐	Accelerated filer ☐	Non-accelerated Filer ☒	Smaller reporting company ☐	Emerging growth company ☐
Duke Energy Progress	Large Accelerated Filer ☐	Accelerated filer ☐	Non-accelerated Filer ☒	Smaller reporting company ☐	Emerging growth company ☐
Duke Energy Florida	Large Accelerated Filer ☐	Accelerated filer ☐	Non-accelerated Filer ☒	Smaller reporting company ☐	Emerging growth company ☐
Duke Energy Ohio	Large Accelerated Filer ☐	Accelerated filer ☐	Non-accelerated Filer ☒	Smaller reporting company ☐	Emerging growth company ☐
Duke Energy Indiana	Large Accelerated Filer ☐	Accelerated filer ☐	Non-accelerated Filer ☒	Smaller reporting company ☐	Emerging growth company ☐
Piedmont	Large Accelerated Filer ☐	Accelerated filer ☐	Non-accelerated Filer ☒	Smaller reporting company ☐	Emerging growth company ☐

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act. ☐

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act).

Duke Energy	Yes ☐	No ☒	Duke Energy Florida	Yes ☐	No ☒
Duke Energy Carolinas	Yes ☐	No ☒	Duke Energy Ohio	Yes ☐	No ☒
Progress Energy	Yes ☐	No ☒	Duke Energy Indiana	Yes ☐	No ☒
Duke Energy Progress	Yes ☐	No ☒	Piedmont	Yes ☐	No ☒

Number of shares of common stock outstanding at April 30, 2023:

Registrant	Description	Shares
Duke Energy	Common stock, $0.001 par value	770,651,719

This combined Form 10-Q is filed separately by eight registrants: Duke Energy, Duke Energy Carolinas, Progress Energy, Duke Energy Progress, Duke Energy Florida, Duke Energy Ohio, Duke Energy Indiana and Piedmont (collectively the Duke Energy Registrants). Information contained herein relating to any individual registrant is filed by such registrant solely on its own behalf. Each registrant makes no representation as to information relating exclusively to the other registrants.

Duke Energy Carolinas, Progress Energy, Duke Energy Progress, Duke Energy Florida, Duke Energy Ohio, Duke Energy Indiana and Piedmont meet the conditions set forth in General Instructions H(1)(a) and (b) of Form 10-Q and are therefore filing this form with the reduced disclosure format specified in General Instructions H(2) of Form 10-Q.

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Glossary of Terms

The following terms or acronyms used in this Form 10-Q are defined below:

Term or Acronym	Definition
2021 Settlement	Settlement Agreement in 2021 among Duke Energy Florida, the Florida Office of Public Counsel, the Florida Industrial Power Users Group, White Springs Agricultural Chemicals, Inc. d/b/a PSC Phosphate and NUCOR Steel Florida, Inc.
AFUDC	Allowance for funds used during construction
ARO	Asset retirement obligations
Bison	Bison Insurance Company Limited
Board	Duke Energy Board of Directors
CEP	Capital Expenditure Program
the company	Duke Energy Corporation and its subsidiaries
Commercial Renewables Disposal Groups	Commercial Renewables business segment, excluding the offshore wind contract for Carolina Long Bay, marketed as three separate disposal groups
COVID-19	Coronavirus Disease 2019
CRC	Cinergy Receivables Company, LLC
Crystal River Unit 3	Crystal River Unit 3 Nuclear Plant
DEFPF	Duke Energy Florida Project Finance, LLC
DEFR	Duke Energy Florida Receivables, LLC
DEPR	Duke Energy Progress Receivables, LLC
DERF	Duke Energy Receivables Finance Company, LLC
Duke Energy	Duke Energy Corporation (collectively with its subsidiaries)
Duke Energy Ohio	Duke Energy Ohio, Inc.
Duke Energy Progress	Duke Energy Progress, LLC
Duke Energy Carolinas	Duke Energy Carolinas, LLC
Duke Energy Florida	Duke Energy Florida, LLC
Duke Energy Indiana	Duke Energy Indiana, LLC
Duke Energy Registrants	Duke Energy, Duke Energy Carolinas, Progress Energy, Duke Energy Progress, Duke Energy Florida, Duke Energy Ohio, Duke Energy Indiana and Piedmont
EDIT	Excess deferred income tax
EPS	Earnings Per Share
ERCOT	Electric Reliability Council of Texas
ETR	Effective tax rate
EU&I	Electric Utilities and Infrastructure
Exchange Act	Securities Exchange Act of 1934
FERC	Federal Energy Regulatory Commission
FPSC	Florida Public Service Commission
FTR	Financial transmission rights
GAAP	Generally accepted accounting principles in the U.S.
GAAP Reported Earnings	Net Income Available to Duke Energy Corporation Common Stockholders
GAAP Reported EPS	Basic Earnings Per Share Available to Duke Energy Corporation common stockholders
GU&I	Gas Utilities and Infrastructure
GWh	Gigawatt-hours
HB 951	The Energy Solutions for North Carolina, or House Bill 951, passed in October 2021
IMR	Integrity Management Rider

GLOSSARY OF TERMS

IRA	Inflation Reduction Act
IRS	Internal Revenue Service
IURC	Indiana Utility Regulatory Commission
KPSC	Kentucky Public Service Commission
LLC	Limited Liability Company
MGP	Manufactured gas plant
MGP Settlement	Stipulation and Recommendation filed jointly by Duke Energy Ohio the staff of the PUCO, the Office of the Ohio Consumers' Counsel and the Ohio Energy Group on August 31, 2021
MW	Megawatt
MWh	Megawatt-hour
MYRP	Multiyear rate plans
NCUC	North Carolina Utilities Commission
NDTF	Nuclear decommissioning trust funds
NPNS	Normal purchase/normal sale
OPEB	Other Post-Retirement Benefit Obligations
the Parent	Duke Energy Corporation holding company
PBR	Performance-based regulation
Piedmont	Piedmont Natural Gas Company, Inc.
Progress Energy	Progress Energy, Inc.
PSCSC	Public Service Commission of South Carolina
PTC	Production Tax Credits
PUCO	Public Utilities Commission of Ohio
RTO	Regional Transmission Organization
Subsidiary Registrants	Duke Energy Carolinas, Progress Energy, Duke Energy Progress, Duke Energy Florida, Duke Energy Ohio, Duke Energy Indiana and Piedmont
TPUC	Tennessee Public Utility Commission
U.S.	United States
VIE	Variable Interest Entity

CAUTIONARY STATEMENT REGARDING FORWARD-LOOKING INFORMATION

This document includes forward-looking statements within the meaning of Section 27A of the Securities Act of 1933 and Section 21E of the Securities Exchange Act of 1934. Forward-looking statements are based on management's beliefs and assumptions and can often be identified by terms and phrases that include "anticipate," "believe," "intend," "estimate," "expect," "continue," "should," "could," "may," "plan," "project," "predict," "will," "potential," "forecast," "target," "guidance," "outlook" or other similar terminology. Various factors may cause actual results to be materially different than the suggested outcomes within forward-looking statements; accordingly, there is no assurance that such results will be realized. These factors include, but are not limited to:

- The ability to implement our business strategy, including our carbon emission reduction goals;
- State, federal and foreign legislative and regulatory initiatives, including costs of compliance with existing and future environmental requirements, including those related to climate change, as well as rulings that affect cost and investment recovery or have an impact on rate structures or market prices;
- The extent and timing of costs and liabilities to comply with federal and state laws, regulations and legal requirements related to coal ash remediation, including amounts for required closure of certain ash impoundments, are uncertain and difficult to estimate;
- The ability to recover eligible costs, including amounts associated with coal ash impoundment retirement obligations, asset retirement and construction costs related to carbon emissions reductions, and costs related to significant weather events, and to earn an adequate return on investment through rate case proceedings and the regulatory process;
- The costs of decommissioning nuclear facilities could prove to be more extensive than amounts estimated and all costs may not be fully recoverable through the regulatory process;
- The impact of extraordinary external events, such as the pandemic health event resulting from COVID-19, and their collateral consequences, including the disruption of global supply chains or the economic activity in our service territories;
- Costs and effects of legal and administrative proceedings, settlements, investigations and claims;
- Industrial, commercial and residential growth or decline in service territories or customer bases resulting from sustained downturns of the economy, reduced customer usage due to cost pressures from inflation or fuel costs, and the economic health of our service territories or variations in customer usage patterns, including energy efficiency efforts, natural gas building and appliance electrification, and use of alternative energy sources, such as self-generation and distributed generation technologies;
- Federal and state regulations, laws and other efforts designed to promote and expand the use of energy efficiency measures, natural gas electrification, and distributed generation technologies, such as private solar and battery storage, in Duke Energy service territories could result in a reduced number of customers, excess generation resources as well as stranded costs;
- Advancements in technology;
- Additional competition in electric and natural gas markets and continued industry consolidation;
- The influence of weather and other natural phenomena on operations, including the economic, operational and other effects of severe storms, hurricanes, droughts, earthquakes and tornadoes, including extreme weather associated with climate change;
- Changing investor, customer and other stakeholder expectations and demands including heightened emphasis on environmental, social and governance concerns and costs related thereto;
- The ability to successfully operate electric generating facilities and deliver electricity to customers including direct or indirect effects to the company resulting from an incident that affects the United States electric grid or generating resources;
- Operational interruptions to our natural gas distribution and transmission activities;
- The availability of adequate interstate pipeline transportation capacity and natural gas supply;
- The impact on facilities and business from a terrorist or other attack, war, vandalism, cybersecurity threats, data security breaches, operational events, information technology failures or other catastrophic events, such as fires, explosions, pandemic health events or other similar occurrences;
- The inherent risks associated with the operation of nuclear facilities, including environmental, health, safety, regulatory and financial risks, including the financial stability of third-party service providers;
- The timing and extent of changes in commodity prices and interest rates and the ability to recover such costs through the regulatory process, where appropriate, and their impact on liquidity positions and the value of underlying assets;
- The results of financing efforts, including the ability to obtain financing on favorable terms, which can be affected by various factors, including credit ratings, interest rate fluctuations, compliance with debt covenants and conditions, an individual utility's generation mix, and general market and economic conditions;
- Credit ratings of the Duke Energy Registrants may be different from what is expected;
- Declines in the market prices of equity and fixed-income securities and resultant cash funding requirements for defined benefit pension plans, other post-retirement benefit plans and nuclear decommissioning trust funds;

FORWARD-LOOKING STATEMENTS

- Construction and development risks associated with the completion of the Duke Energy Registrants' capital investment projects, including risks related to financing, timing and receipt of necessary regulatory approvals, obtaining and complying with terms of permits, meeting construction budgets and schedules and satisfying operating and environmental performance standards, as well as the ability to recover costs from customers in a timely manner, or at all;
- Changes in rules for regional transmission organizations, including changes in rate designs and new and evolving capacity markets, and risks related to obligations created by the default of other participants;
- The ability to control operation and maintenance costs;
- The level of creditworthiness of counterparties to transactions;
- The ability to obtain adequate insurance at acceptable costs;
- Employee workforce factors, including the potential inability to attract and retain key personnel;
- The ability of subsidiaries to pay dividends or distributions to Duke Energy Corporation holding company (the Parent);
- The performance of projects undertaken by our nonregulated businesses and the success of efforts to invest in and develop new opportunities, as well as the successful sale of the Commercial Renewables Disposal Groups;
- The effect of accounting and reporting pronouncements issued periodically by accounting standard-setting bodies and the SEC;
- The impact of United States tax legislation to our financial condition, results of operations or cash flows and our credit ratings;
- The impacts from potential impairments of goodwill or equity method investment carrying values;
- Asset or business acquisitions and dispositions may not yield the anticipated benefits; and
- The actions of activist shareholders could disrupt our operations, impact our ability to execute on our business strategy, or cause fluctuations in the trading price of our common stock.

Additional risks and uncertainties are identified and discussed in the Duke Energy Registrants' reports filed with the SEC and available at the SEC's website at sec.gov. In light of these risks, uncertainties and assumptions, the events described in the forward-looking statements might not occur or might occur to a different extent or at a different time than described. Forward-looking statements speak only as of the date they are made and the Duke Energy Registrants expressly disclaim any obligation to publicly update or revise any forward-looking statements, whether as a result of new information, future events or otherwise.

ITEM 1. FINANCIAL STATEMENTS

DUKE ENERGY CORPORATION
Condensed Consolidated Statements of Operations
(Unaudited)

	Three Months Ended March 31,	
(in millions, except per share amounts)	**2023**	**2022**
Operating Revenues		
Regulated electric	**$ 6,324**	$ 5,933
Regulated natural gas	**882**	1,002
Nonregulated electric and other	**70**	76
Total operating revenues	**7,276**	7,011
Operating Expenses		
Fuel used in electric generation and purchased power	**2,377**	1,817
Cost of natural gas	**298**	481
Operation, maintenance and other	**1,310**	1,548
Depreciation and amortization	**1,227**	1,257
Property and other taxes	**389**	382
Impairment of assets and other charges	**8**	215
Total operating expenses	**5,609**	5,700
Gains on Sales of Other Assets and Other, net	**7**	3
Operating Income	**1,674**	1,314
Other Income and Expenses		
Equity in earnings of unconsolidated affiliates	**20**	26
Other income and expenses, net	**151**	89
Total other income and expenses	**171**	115
Interest Expense	**720**	569
Income From Continuing Operations Before Income Taxes	**1,125**	860
Income Tax Expense From Continuing Operations	**155**	25
Income From Continuing Operations	**970**	835
Loss From Discontinued Operations, net of tax	**(209)**	(15)
Net Income	**761**	820
Add: Net Loss Attributable to Noncontrolling Interests	**43**	37
Net Income Attributable to Duke Energy Corporation	**804**	857
Less: Preferred Dividends	**39**	39
Net Income Available to Duke Energy Corporation Common Stockholders	**$ 765**	$ 818
Earnings Per Share – Basic and Diluted		
Income from continuing operations available to Duke Energy Corporation common stockholders		
Basic and Diluted	**$ 1.20**	$ 1.06
(Loss) Income from discontinued operations attributable to Duke Energy Corporation common stockholders		
Basic and Diluted	**$ (0.19)**	$ 0.02
Net income available to Duke Energy Corporation common stockholders		
Basic and Diluted	**$ 1.01**	$ 1.08
Weighted Average Shares Outstanding		
Basic and Diluted	**770**	770

See Notes to Condensed Consolidated Financial Statements

DUKE ENERGY CORPORATION
Condensed Consolidated Statements of Comprehensive Income
(Unaudited)

	Three Months Ended March 31,	
(in millions)	**2023**	**2022**
Net Income	**$ 761**	$ 820
Other Comprehensive Income (Loss), net of tax[(a)]		
Pension and OPEB adjustments	**(1)**	2
Net unrealized (losses) gains on cash flow hedges	**(20)**	113
Reclassification into earnings from cash flow hedges	**—**	5
Net unrealized losses on fair value hedges	**(11)**	—
Unrealized gains (losses) on available-for-sale securities	**6**	(13)
Other Comprehensive (Loss) Income, net of tax	**(26)**	107
Comprehensive Income	**735**	927
Add: Comprehensive Loss Attributable to Noncontrolling Interests	**43**	29
Comprehensive Income Attributable to Duke Energy	**778**	956
Less: Preferred Dividends	**39**	39
Comprehensive Income Available to Duke Energy Corporation Common Stockholders	**$ 739**	$ 917

(a) Net of income tax benefit of approximately $8 million and income tax expense of approximately $32 million for the three months ended March 31, 2023, and 2022, respectfully.

See Notes to Condensed Consolidated Financial Statements

DUKE ENERGY CORPORATION
Condensed Consolidated Balance Sheets
(Unaudited)

(in millions)	March 31, 2023	December 31, 2022
ASSETS		
Current Assets		
Cash and cash equivalents	$ 451	$ 409
Receivables (net of allowance for doubtful accounts of $45 at 2023 and $40 at 2022)	1,035	1,309
Receivables of VIEs (net of allowance for doubtful accounts of $169 at 2023 and $176 at 2022)	2,635	3,106
Inventory	3,865	3,584
Regulatory assets (includes $106 at 2023 and 2022 related to VIEs)	3,502	3,485
Assets held for sale	374	356
Other (includes $42 at 2023 and $116 at 2022 related to VIEs)	452	973
Total current assets	12,314	13,222
Property, Plant and Equipment		
Cost	166,096	163,839
Accumulated depreciation and amortization	(53,162)	(52,100)
Facilities to be retired, net	8	9
Net property, plant and equipment	112,942	111,748
Other Noncurrent Assets		
Goodwill	19,303	19,303
Regulatory assets (includes $1,691 at 2023 and $1,715 at 2022 related to VIEs)	14,702	14,645
Nuclear decommissioning trust funds	9,124	8,637
Operating lease right-of-use assets, net	1,019	1,042
Investments in equity method unconsolidated affiliates	465	455
Assets held for sale	5,538	5,634
Other (includes $50 at 2023 and $52 at 2022 related to VIEs)	3,426	3,400
Total other noncurrent assets	53,577	53,116
Total Assets	$ 178,833	$ 178,086
LIABILITIES AND EQUITY		
Current Liabilities		
Accounts payable	$ 3,214	$ 4,754
Notes payable and commercial paper	3,731	3,952
Taxes accrued	586	722
Interest accrued	693	626
Current maturities of long-term debt (includes $101 at 2023 and $350 at 2022 related to VIEs)	3,330	3,878
Asset retirement obligations	732	773
Regulatory liabilities	1,283	1,466
Liabilities associated with assets held for sale	476	535
Other	1,970	2,167
Total current liabilities	16,015	18,873
Long-Term Debt (includes $3,334 at 2023 and $3,108 at 2022 related to VIEs)	69,107	65,873
Other Noncurrent Liabilities		
Deferred income taxes	10,188	9,964
Asset retirement obligations	11,987	11,955
Regulatory liabilities	13,714	13,582
Operating lease liabilities	851	876
Accrued pension and other post-retirement benefit costs	820	832
Investment tax credits	852	849
Liabilities associated with assets held for sale	1,931	1,927
Other	1,417	1,502
Total other noncurrent liabilities	41,760	41,487
Commitments and Contingencies		
Equity		
Preferred stock, Series A, $0.001 par value, 40 million depositary shares authorized and outstanding at 2023 and 2022	973	973
Preferred stock, Series B, $0.001 par value, 1 million shares authorized and outstanding at 2023 and 2022	989	989
Common stock, $0.001 par value, 2 billion shares authorized; 771 million and 770 million shares outstanding at 2023 and 2022	1	1
Additional paid-in capital	44,837	44,862
Retained earnings	2,626	2,637
Accumulated other comprehensive loss	(166)	(140)
Total Duke Energy Corporation stockholders' equity	49,260	49,322
Noncontrolling interests	2,691	2,531
Total equity	51,951	51,853
Total Liabilities and Equity	$ 178,833	$ 178,086

See Notes to Condensed Consolidated Financial Statements

DUKE ENERGY CORPORATION
Condensed Consolidated Statements of Cash Flows
(Unaudited)

	Three Months Ended March 31,	
(in millions)	**2023**	**2022**
CASH FLOWS FROM OPERATING ACTIVITIES		
Net income	**$ 761**	$ 820
Adjustments to reconcile net income to net cash provided by operating activities:		
Depreciation, amortization and accretion (including amortization of nuclear fuel)	**1,344**	1,480
Equity component of AFUDC	**(46)**	(46)
Impairment of assets and other charges	**228**	215
Deferred income taxes	**90**	(11)
Equity in earnings of unconsolidated affiliates	**(20)**	(25)
Payments for asset retirement obligations	**(117)**	(119)
Provision for rate refunds	**(33)**	(31)
(Increase) decrease in		
Net realized and unrealized mark-to-market and hedging transactions	**5**	215
Receivables	**754**	5
Inventory	**(275)**	28
Other current assets[(a)]	**262**	(327)
Increase (decrease) in		
Accounts payable	**(1,193)**	(160)
Taxes accrued	**(148)**	(90)
Other current liabilities	**(266)**	(269)
Other assets[(a)]	**(20)**	(26)
Other liabilities	**157**	136
Net cash provided by operating activities	**1,483**	1,795
CASH FLOWS FROM INVESTING ACTIVITIES		
Capital expenditures	**(3,146)**	(2,551)
Contributions to equity method investments	**(6)**	(17)
Purchases of debt and equity securities	**(866)**	(1,516)
Proceeds from sales and maturities of debt and equity securities	**882**	1,530
Net proceeds from the sales of other assets	**76**	—
Other	**(149)**	(145)
Net cash used in investing activities	**(3,209)**	(2,699)
CASH FLOWS FROM FINANCING ACTIVITIES		
Proceeds from the:		
Issuance of long-term debt	**4,085**	3,506
Payments for the redemption of long-term debt	**(1,380)**	(1,215)
Proceeds from the issuance of short-term debt with original maturities greater than 90 days	**2**	—
Payments for the redemption of short-term debt with original maturities greater than 90 days	**(50)**	(257)
Notes payable and commercial paper	**(217)**	213
Contributions from noncontrolling interests	**206**	23
Dividends paid	**(815)**	(799)
Other	**(84)**	(67)
Net cash provided by financing activities	**1,747**	1,404
Net increase in cash, cash equivalents and restricted cash	**21**	500
Cash, cash equivalents and restricted cash at beginning of period	**603**	520
Cash, cash equivalents and restricted cash at end of period	**$ 624**	$ 1,020
Supplemental Disclosures:		
Significant non-cash transactions:		
Accrued capital expenditures	**$ 1,366**	$ 1,028

(a) Includes approximately $346 million of net collections of deferred fuel regulatory assets for the three months ended March 31, 2023.

DUKE ENERGY CORPORATION
Condensed Consolidated Statements of Changes in Equity
(Unaudited)

						Accumulated Other Comprehensive (Loss) Income					
(in millions)	Preferred Stock	Common Stock Shares	Common Stock	Additional Paid-in Capital	Retained Earnings	Net Gains (Losses) on Hedges[b]	Net Unrealized Gains (Losses) on Available-for-Sale Securities	Pension and OPEB Adjustments	Total Duke Energy Corporation Stockholders' Equity	Non-controlling Interests	Total Equity
Balance at December 31, 2021	$ 1,962	769	$ 1	$ 44,371	$ 3,265	$ (232)	$ (2)	$ (69)	$ 49,296	$ 1,840	$ 51,136
Net income (loss)	—	—	—	—	818	—	—	—	818	(37)	781
Other comprehensive income (loss)	—	—	—	—	—	110	(13)	2	99	8	107
Common stock issuances, including dividend reinvestment and employee benefits	—	1	—	(7)	—	—	—	—	(7)	—	(7)
Common stock dividends	—	—	—	—	(760)	—	—	—	(760)	—	(760)
Contributions from noncontrolling interests, net of transaction costs[a]	—	—	—	—	—	—	—	—	—	23	23
Distributions to noncontrolling interest in subsidiaries	—	—	—	—	—	—	—	—	—	(28)	(28)
Balance at March 31, 2022	$ 1,962	770	$ 1	$ 44,364	$ 3,323	$ (122)	$ (15)	$ (67)	$ 49,446	$ 1,806	$ 51,252
Balance at December 31, 2022	$ 1,962	770	$ 1	$ 44,862	$ 2,637	$ (29)	$ (23)	$ (88)	$ 49,322	$ 2,531	$ 51,853
Net income (loss)	**—**	**—**	**—**	**—**	**765**	**—**	**—**	**—**	**765**	**(43)**	**722**
Other comprehensive income (loss)	**—**	**—**	**—**	**—**	**—**	**(31)**	**6**	**(1)**	**(26)**	**—**	**(26)**
Common stock issuances, including dividend reinvestment and employee benefits	**—**	**1**	**—**	**(10)**	**—**	**—**	**—**	**—**	**(10)**	**—**	**(10)**
Common stock dividends	**—**	**—**	**—**	**—**	**(776)**	**—**	**—**	**—**	**(776)**	**—**	**(776)**
Sale of noncontrolling interest	**—**	**—**	**—**	**(13)**	**—**	**—**	**—**	**—**	**(13)**	**10**	**(3)**
Contributions from noncontrolling interests, net of transaction costs[a]	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**206**	**206**
Distributions to noncontrolling interest in subsidiaries	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**(13)**	**(13)**
Other	**—**	**—**	**—**	**(2)**	**—**	**—**	**—**	**—**	**(2)**	**—**	**(2)**
Balance at March 31, 2023	**$ 1,962**	**771**	**$ 1**	**$ 44,837**	**$ 2,626**	**$ (60)**	**$ (17)**	**$ (89)**	**$ 49,260**	**$ 2,691**	**$ 51,951**

(a) Relates primarily to tax equity financing activity in the Commercial Renewables segment.
(b) See Duke Energy Condensed Consolidated Statements of Comprehensive Income for detailed activity related to Cash Flow and Fair Value hedges.

FINANCIAL STATEMENTS

DUKE ENERGY CAROLINAS, LLC
Condensed Consolidated Statements of Operations and Comprehensive Income
(Unaudited)

	Three Months Ended March 31,	
(in millions)	**2023**	**2022**
Operating Revenues	**$ 1,934**	$ 1,888
Operating Expenses		
Fuel used in electric generation and purchased power	**623**	448
Operation, maintenance and other	**440**	512
Depreciation and amortization	**366**	379
Property and other taxes	**95**	93
Impairment of assets and other charges	**2**	3
Total operating expenses	**1,526**	1,435
Operating Income	**408**	453
Other Income and Expenses, net	**59**	55
Interest Expense	**160**	141
Income Before Income Taxes	**307**	367
Income Tax Expense	**35**	27
Net Income and Comprehensive Income	**$ 272**	$ 340

See Notes to Condensed Consolidated Financial Statements

DUKE ENERGY CAROLINAS, LLC
Condensed Consolidated Balance Sheets
(Unaudited)

(in millions)	March 31, 2023	December 31, 2022
ASSETS		
Current Assets		
Cash and cash equivalents	$ 24	$ 44
Receivables (net of allowance for doubtful accounts of $5 at 2023 and $3 at 2022)	286	338
Receivables of VIEs (net of allowance for doubtful accounts of $65 at 2023 and 2022)	782	928
Receivables from affiliated companies	181	390
Inventory	1,303	1,164
Regulatory assets (includes $12 at 2023 and 2022 related to VIEs)	1,311	1,095
Other (includes $5 at 2023 and $8 at 2022 related to VIEs)	62	216
Total current assets	3,949	4,175
Property, Plant and Equipment		
Cost	55,422	54,650
Accumulated depreciation and amortization	(19,082)	(18,669)
Net property, plant and equipment	36,340	35,981
Other Noncurrent Assets		
Regulatory assets (includes $205 at 2023 and $208 at 2022 related to VIEs)	4,309	4,293
Nuclear decommissioning trust funds	5,076	4,783
Operating lease right-of-use assets, net	75	78
Other	998	1,036
Total other noncurrent assets	10,458	10,190
Total Assets	$ 50,747	$ 50,346
LIABILITIES AND EQUITY		
Current Liabilities		
Accounts payable	$ 872	$ 1,472
Accounts payable to affiliated companies	236	209
Notes payable to affiliated companies	1,153	1,233
Taxes accrued	110	228
Interest accrued	142	120
Current maturities of long-term debt (includes $10 at 2023 and 2022 related to VIEs)	18	1,018
Asset retirement obligations	249	261
Regulatory liabilities	418	530
Other	572	580
Total current liabilities	3,770	5,651
Long-Term Debt (includes $713 at 2023 and $689 at 2022 related to VIEs)	14,787	12,948
Long-Term Debt Payable to Affiliated Companies	300	300
Other Noncurrent Liabilities		
Deferred income taxes	4,263	4,153
Asset retirement obligations	5,148	5,121
Regulatory liabilities	5,817	5,783
Operating lease liabilities	80	83
Accrued pension and other post-retirement benefit costs	35	38
Investment tax credits	299	300
Other	534	527
Total other noncurrent liabilities	16,176	16,005
Commitments and Contingencies		
Equity		
Member's equity	15,720	15,448
Accumulated other comprehensive loss	(6)	(6)
Total equity	15,714	15,442
Total Liabilities and Equity	$ 50,747	$ 50,346

See Notes to Condensed Consolidated Financial Statements

FINANCIAL STATEMENTS

DUKE ENERGY CAROLINAS, LLC
Condensed Consolidated Statements of Cash Flows
(Unaudited)

	Three Months Ended March 31,	
(in millions)	**2023**	**2022**
CASH FLOWS FROM OPERATING ACTIVITIES		
Net income	$ **272**	$ 340
Adjustments to reconcile net income to net cash provided by operating activities:		
Depreciation and amortization (including amortization of nuclear fuel)	**426**	447
Equity component of AFUDC	**(24)**	(22)
Impairment of assets and other charges	**2**	3
Deferred income taxes	**32**	44
Payments for asset retirement obligations	**(39)**	(35)
Provision for rate refunds	**(19)**	(18)
(Increase) decrease in		
Net realized and unrealized mark-to-market and hedging transactions	**—**	50
Receivables	**199**	77
Receivables from affiliated companies	**209**	56
Inventory	**(139)**	(13)
Other current assets[a]	**(293)**	(230)
Increase (decrease) in		
Accounts payable	**(594)**	(225)
Accounts payable to affiliated companies	**27**	(17)
Taxes accrued	**(119)**	(150)
Other current liabilities	**(78)**	56
Other assets[a]	**206**	6
Other liabilities	**76**	(44)
Net cash provided by operating activities	**144**	325
CASH FLOWS FROM INVESTING ACTIVITIES		
Capital expenditures	**(866)**	(717)
Purchases of debt and equity securities	**(556)**	(1,008)
Proceeds from sales and maturities of debt and equity securities	**556**	1,008
Notes receivable from affiliated companies	**—**	(492)
Other	**(59)**	(54)
Net cash used in investing activities	**(925)**	(1,263)
CASH FLOWS FROM FINANCING ACTIVITIES		
Proceeds from the issuance of long-term debt	**1,845**	1,217
Payments for the redemption of long-term debt	**(1,007)**	(1)
Notes payable to affiliated companies	**(79)**	(226)
Distributions to parent	**—**	(50)
Other	**(1)**	(1)
Net cash provided by financing activities	**758**	939
Net (decrease) increase in cash, cash equivalents and restricted cash	**(23)**	1
Cash, cash equivalents and restricted cash at beginning of period	**53**	8
Cash, cash equivalents and restricted cash at end of period	$ **30**	$ 9
Supplemental Disclosures:		
Significant non-cash transactions:		
Accrued capital expenditures	$ **449**	$ 352

(a) Includes approximately $14 million of under-collected deferred fuel regulatory assets for the three months ended March 31, 2023.

See Notes to Condensed Consolidated Financial Statements

DUKE ENERGY CAROLINAS, LLC
Condensed Consolidated Statements of Changes in Equity
(Unaudited)

			Accumulated Other Comprehensive Loss		
(in millions)		**Member's Equity**	**Net Losses on Cash Flow Hedges**		**Total Equity**
Balance at December 31, 2021	$	13,897	$ (6)	$	13,891
Net income		340	—		340
Distributions to parent		(50)	—		(50)
Other		1	—		1
Balance at March 31, 2022	$	14,188	$ (6)	$	14,182
Balance at December 31, 2022	$	15,448	$ (6)	$	15,442
Net income		**272**	**—**		**272**
Balance at March 31, 2023	**$**	**15,720**	**$ (6)**	**$**	**15,714**

See Notes to Condensed Consolidated Financial Statements

PROGRESS ENERGY, INC.
Condensed Consolidated Statements of Operations and Comprehensive Income
(Unaudited)

	Three Months Ended March 31,	
(in millions)	**2023**	**2022**
Operating Revenues	**$ 3,048**	$ 2,992
Operating Expenses		
Fuel used in electric generation and purchased power	**1,191**	1,064
Operation, maintenance and other	**568**	645
Depreciation and amortization	**504**	536
Property and other taxes	**168**	152
Impairment of assets and other charges	**5**	—
Total operating expenses	**2,436**	2,397
Gains on Sales of Other Assets and Other, net	**6**	2
Operating Income	**618**	597
Other Income and Expenses, net	**59**	35
Interest Expense	**246**	211
Income Before Income Taxes	**431**	421
Income Tax Expense	**72**	67
Net Income	**$ 359**	$ 354
Other Comprehensive Income, net of tax		
Net unrealized gains on cash flow hedges	**—**	1
Unrealized gains (losses) on available-for-sale securities	**2**	(2)
Other Comprehensive Income (Loss), net of tax	**2**	(1)
Comprehensive Income	**$ 361**	$ 353

See Notes to Condensed Consolidated Financial Statements

PROGRESS ENERGY, INC.
Condensed Consolidated Balance Sheets
(Unaudited)

(in millions)	March 31, 2023	December 31, 2022
ASSETS		
Current Assets		
Cash and cash equivalents	$ 93	$ 108
Receivables (net of allowance for doubtful accounts of $14 at 2023 and $13 at 2022)	315	318
Receivables of VIEs (net of allowance for doubtful accounts of $61 at 2023 and $68 at 2022)	1,101	1,289
Receivables from affiliated companies	24	22
Notes receivable from affiliated companies	118	—
Inventory	1,712	1,579
Regulatory assets (includes $94 at 2023 and 2022 related to VIEs)	1,548	1,833
Other (includes $33 at 2023 and $88 at 2022 related to VIEs)	166	342
Total current assets	5,077	5,491
Property, Plant and Equipment		
Cost	65,852	64,822
Accumulated depreciation and amortization	(21,011)	(20,584)
Net property, plant and equipment	44,841	44,238
Other Noncurrent Assets		
Goodwill	3,655	3,655
Regulatory assets (includes $1,486 at 2023 and $1,507 at 2022 related to VIEs)	7,422	7,146
Nuclear decommissioning trust funds	4,048	3,855
Operating lease right-of-use assets, net	604	628
Other	1,097	1,066
Total other noncurrent assets	16,826	16,350
Total Assets	$ 66,744	$ 66,079
LIABILITIES AND EQUITY		
Current Liabilities		
Accounts payable	$ 1,127	$ 1,481
Accounts payable to affiliated companies	410	712
Notes payable to affiliated companies	845	843
Taxes accrued	172	135
Interest accrued	224	206
Current maturities of long-term debt (includes $341 at 2023 and $340 at 2022 related to VIEs)	699	697
Asset retirement obligations	272	289
Regulatory liabilities	473	576
Other	771	782
Total current liabilities	4,993	5,721
Long-Term Debt (includes $1,955 at 2023 and $2,003 at 2022 related to VIEs)	22,522	21,592
Long-Term Debt Payable to Affiliated Companies	150	150
Other Noncurrent Liabilities		
Deferred income taxes	5,226	5,147
Asset retirement obligations	5,898	5,892
Regulatory liabilities	4,796	4,753
Operating lease liabilities	521	546
Accrued pension and other post-retirement benefit costs	289	292
Investment tax credits	362	358
Other	222	222
Total other noncurrent liabilities	17,314	17,210
Commitments and Contingencies		
Equity		
Common Stock, $0.01 par value, 100 shares authorized and outstanding at 2023 and 2022	—	—
Additional paid-in capital	11,830	11,832
Retained earnings	9,944	9,585
Accumulated other comprehensive loss	(9)	(11)
Total equity	21,765	21,406
Total Liabilities and Equity	$ 66,744	$ 66,079

See Notes to Condensed Consolidated Financial Statements

PROGRESS ENERGY, INC.
Condensed Consolidated Statements of Cash Flows
(Unaudited)

	Three Months Ended March 31,	
(in millions)	**2023**	**2022**
CASH FLOWS FROM OPERATING ACTIVITIES		
Net income	**$ 359**	$ 354
Adjustments to reconcile net income to net cash provided by operating activities:		
Depreciation, amortization and accretion (including amortization of nuclear fuel)	**554**	625
Equity component of AFUDC	**(16)**	(12)
Impairment of assets and other charges	**5**	—
Deferred income taxes	**51**	72
Payments for asset retirement obligations	**(58)**	(68)
Provision for rate refunds	**(14)**	(16)
(Increase) decrease in		
Net realized and unrealized mark-to-market and hedging transactions	**—**	164
Receivables	**188**	(123)
Receivables from affiliated companies	**(2)**	102
Inventory	**(133)**	(5)
Other current assets[(a)]	**319**	(224)
Increase (decrease) in		
Accounts payable	**(214)**	26
Accounts payable to affiliated companies	**(302)**	(142)
Taxes accrued	**36**	30
Other current liabilities	**(107)**	(113)
Other assets[(a)]	**(212)**	(80)
Other liabilities	**4**	40
Net cash provided by operating activities	**458**	630
CASH FLOWS FROM INVESTING ACTIVITIES		
Capital expenditures	**(1,275)**	(981)
Purchases of debt and equity securities	**(279)**	(531)
Proceeds from sales and maturities of debt and equity securities	**304**	548
Notes receivable from affiliated companies	**(118)**	(237)
Other	**(71)**	(28)
Net cash used in investing activities	**(1,439)**	(1,229)
CASH FLOWS FROM FINANCING ACTIVITIES		
Proceeds from the issuance of long-term debt	**996**	889
Payments for the redemption of long-term debt	**(66)**	(54)
Notes payable to affiliated companies	**2**	(1)
Dividends to parent	**—**	(250)
Other	**(1)**	(3)
Net cash provided by financing activities	**931**	581
Net decrease in cash, cash equivalents and restricted cash	**(50)**	(18)
Cash, cash equivalents and restricted cash at beginning of period	**184**	113
Cash, cash equivalents and restricted cash at end of period	**$ 134**	$ 95
Supplemental Disclosures:		
Significant non-cash transactions:		
Accrued capital expenditures	**$ 516**	$ 349

(a) Includes approximately $139 million of net collections of deferred fuel regulatory assets for the three months ended March 31, 2023.

See Notes to Condensed Consolidated Financial Statements

PROGRESS ENERGY, INC.
Condensed Consolidated Statements of Changes in Equity
(Unaudited)

			Accumulated Other Comprehensive Loss					
	Additional Paid-in Capital	Retained Earnings	Net Gains (Losses) on Cash Flow Hedges	Net Unrealized Gains (Losses) on Available-for-Sale Securities	Pension and OPEB Adjustments	Total Progress Energy, Inc. Stockholders' Equity	Noncontrolling Interests	Total Equity
Balance at December 31, 2021	$ 9,149	$ 8,007	$ (2)	$ (2)	$ (7)	$ 17,145	$ 3	$ 17,148
Net income	—	354	—	—	—	354	—	354
Other comprehensive income (loss)	—	—	1	(2)	—	(1)	—	(1)
Distributions to noncontrolling interests	—	—	—	—	—	—	(1)	(1)
Dividends to parent	—	(250)	—	—	—	(250)	—	(250)
Equitization of certain notes payable to affiliates	—	2,431	—	—	—	2,431	—	2,431
Other	—	1	—	—	—	1	—	1
Balance at March 31, 2022	$ 9,149	$ 10,543	$ (1)	$ (4)	$ (7)	$ 19,680	$ 2	$ 19,682
Balance at December 31, 2022	$ 11,832	$ 9,585	$ (1)	$ (8)	$ (2)	$ 21,406	$ —	$ 21,406
Net income	**—**	**359**	**—**	**—**	**—**	**359**	**—**	**359**
Other comprehensive income (loss)	**—**	**—**	**—**	**2**	**—**	**2**	**—**	**2**
Other	**(2)**	**—**	**—**	**—**	**—**	**(2)**	**—**	**(2)**
Balance at March 31, 2023	**$ 11,830**	**$ 9,944**	**$ (1)**	**$ (6)**	**$ (2)**	**$ 21,765**	**$ —**	**$ 21,765**

See Notes to Condensed Consolidated Financial Statements

FINANCIAL STATEMENTS

DUKE ENERGY PROGRESS, LLC
Condensed Consolidated Statements of Operations and Comprehensive Income
(Unaudited)

	Three Months Ended March 31,	
(in millions)	**2023**	**2022**
Operating Revenues	**$ 1,533**	$ 1,632
Operating Expenses		
Fuel used in electric generation and purchased power	**545**	574
Operation, maintenance and other	**350**	391
Depreciation and amortization	**315**	306
Property and other taxes	**48**	49
Impairment of assets and other charges	**4**	—
Total operating expenses	**1,262**	1,320
Gains on Sales of Other Assets and Other, net	**—**	1
Operating Income	**271**	313
Other Income and Expenses, net	**29**	22
Interest Expense	**102**	85
Income Before Income Taxes	**198**	250
Income Tax Expense	**29**	35
Net Income and Comprehensive Income	**$ 169**	$ 215

See Notes to Condensed Consolidated Financial Statements

DUKE ENERGY PROGRESS, LLC
Condensed Consolidated Balance Sheets
(Unaudited)

(in millions)	March 31, 2023	December 31, 2022
ASSETS		
Current Assets		
Cash and cash equivalents	$ 50	$ 49
Receivables (net of allowance for doubtful accounts of $5 at 2023 and $4 at 2022)	159	167
Receivables of VIEs (net of allowance for doubtful accounts of $40 at 2023 and 2022)	654	793
Receivables from affiliated companies	26	25
Notes receivable from affiliated companies	160	—
Inventory	1,082	1,006
Regulatory assets (includes $39 at 2023 and 2022 related to VIEs)	764	690
Other (includes $15 at 2023 and $42 at 2022 related to VIEs)	57	174
Total current assets	2,952	2,904
Property, Plant and Equipment		
Cost	39,396	38,875
Accumulated depreciation and amortization	(14,452)	(14,201)
Net property, plant and equipment	24,944	24,674
Other Noncurrent Assets		
Regulatory assets (includes $672 at 2023 and $681 at 2022 related to VIEs)	4,817	4,724
Nuclear decommissioning trust funds	3,640	3,430
Operating lease right-of-use assets, net	356	370
Other	659	650
Total other noncurrent assets	9,472	9,174
Total Assets	$ 37,368	$ 36,752
LIABILITIES AND EQUITY		
Current Liabilities		
Accounts payable	$ 511	$ 601
Accounts payable to affiliated companies	252	508
Notes payable to affiliated companies	—	238
Taxes accrued	56	77
Interest accrued	90	101
Current maturities of long-term debt (includes $34 at 2023 and 2022 related to VIEs)	370	369
Asset retirement obligations	272	288
Regulatory liabilities	293	332
Other	412	384
Total current liabilities	2,256	2,898
Long-Term Debt (includes $1,096 at 2023 and $1,114 at 2022 related to VIEs)	11,527	10,568
Long-Term Debt Payable to Affiliated Companies	150	150
Other Noncurrent Liabilities		
Deferred income taxes	2,531	2,477
Asset retirement obligations	5,552	5,535
Regulatory liabilities	4,178	4,120
Operating lease liabilities	320	335
Accrued pension and other post-retirement benefit costs	158	160
Investment tax credits	129	124
Other	89	76
Total other noncurrent liabilities	12,957	12,827
Commitments and Contingencies		
Equity		
Member's Equity	10,478	10,309
Total Liabilities and Equity	$ 37,368	$ 36,752

See Notes to Condensed Consolidated Financial Statements

DUKE ENERGY PROGRESS, LLC
Condensed Consolidated Statements of Cash Flows
(Unaudited)

	Three Months Ended March 31,	
(in millions)	**2023**	**2022**
CASH FLOWS FROM OPERATING ACTIVITIES		
Net income	**$ 169**	$ 215
Adjustments to reconcile net income to net cash provided by operating activities:		
Depreciation and amortization (including amortization of nuclear fuel)	**360**	350
Equity component of AFUDC	**(13)**	(7)
Impairment of assets and other charges	**4**	—
Deferred income taxes	**27**	19
Payments for asset retirement obligations	**(46)**	(41)
Provision for rate refunds	**(14)**	(16)
(Increase) decrease in		
Net realized and unrealized mark-to-market and hedging transactions	**—**	164
Receivables	**144**	(70)
Receivables from affiliated companies	**(1)**	63
Inventory	**(76)**	(19)
Other current assets	**(61)**	(75)
Increase (decrease) in		
Accounts payable	**(3)**	18
Accounts payable to affiliated companies	**(256)**	(50)
Taxes accrued	**(21)**	(85)
Other current liabilities	**(86)**	(67)
Other assets[(a)]	**(16)**	(56)
Other liabilities	**21**	47
Net cash provided by operating activities	**132**	390
CASH FLOWS FROM INVESTING ACTIVITIES		
Capital expenditures	**(666)**	(467)
Purchases of debt and equity securities	**(239)**	(481)
Proceeds from sales and maturities of debt and equity securities	**236**	480
Notes receivable from affiliated companies	**(160)**	(328)
Other	**(33)**	(19)
Net cash used in investing activities	**(862)**	(815)
CASH FLOWS FROM FINANCING ACTIVITIES		
Proceeds from the issuance of long-term debt	**991**	889
Payments for the redemption of long-term debt	**(32)**	(21)
Notes payable to affiliated companies	**(239)**	(172)
Distributions to parent	**—**	(250)
Other	**(1)**	(1)
Net cash provided by financing activities	**719**	445
Net (decrease) increase in cash, cash equivalents and restricted cash	**(11)**	20
Cash, cash equivalents and restricted cash at beginning of period	**79**	39
Cash, cash equivalents and restricted cash at end of period	**$ 68**	$ 59
Supplemental Disclosures:		
Significant non-cash transactions:		
Accrued capital expenditures	**$ 176**	$ 111

See Notes to Condensed Consolidated Financial Statements

DUKE ENERGY PROGRESS, LLC
Condensed Consolidated Statements of Changes in Equity
(Unaudited)

(in millions)		Member's Equity
Balance at December 31, 2021	$	9,551
Net income		215
Distributions to parent		(250)
Other		1
Balance at March 31, 2022	$	9,517
Balance at December 31, 2022	$	10,309
Net income		**169**
Balance at March 31, 2023	**$**	**10,478**

See Notes to Condensed Consolidated Financial Statements

DUKE ENERGY FLORIDA, LLC
Condensed Consolidated Statements of Operations and Comprehensive Income
(Unaudited)

	Three Months Ended March 31,	
(in millions)	**2023**	**2022**
Operating Revenues	**$ 1,510**	$ 1,355
Operating Expenses		
Fuel used in electric generation and purchased power	**646**	490
Operation, maintenance and other	**213**	249
Depreciation and amortization	**190**	231
Property and other taxes	**120**	103
Impairment of assets and other charges	**1**	—
Total operating expenses	**1,170**	1,073
Gains on Sales of Other Assets and Other, net	**1**	1
Operating Income	**341**	283
Other Income and Expenses, net	**30**	15
Interest Expense	**115**	84
Income Before Income Taxes	**256**	214
Income Tax Expense	**51**	43
Net Income	**$ 205**	$ 171
Other Comprehensive Loss, net of tax		
Unrealized gains (losses) on available-for-sale securities	**2**	(1)
Comprehensive Income	**$ 207**	$ 170

See Notes to Condensed Consolidated Financial Statements

DUKE ENERGY FLORIDA, LLC
Condensed Consolidated Balance Sheets
(Unaudited)

(in millions)	March 31, 2023	December 31, 2022
ASSETS		
Current Assets		
Cash and cash equivalents	$ 26	$ 45
Receivables (net of allowance for doubtful accounts of $9 at 2023 and $8 at 2022)	154	148
Receivables of VIEs (net of allowance for doubtful accounts of $21 at 2023 and $28 at 2022)	447	496
Receivables from affiliated companies	3	2
Inventory	630	573
Regulatory assets (includes $55 at 2023 and 2022 related to VIEs)	784	1,143
Other (includes $18 at 2023 and $46 at 2022 related to VIEs)	67	108
Total current assets	2,111	2,515
Property, Plant and Equipment		
Cost	26,448	25,940
Accumulated depreciation and amortization	(6,552)	(6,377)
Net property, plant and equipment	19,896	19,563
Other Noncurrent Assets		
Regulatory assets (includes $814 at 2023 and $826 at 2022 related to VIEs)	2,605	2,422
Nuclear decommissioning trust funds	408	424
Operating lease right-of-use assets, net	247	258
Other	393	372
Total other noncurrent assets	3,653	3,476
Total Assets	$ 25,660	$ 25,554
LIABILITIES AND EQUITY		
Current Liabilities		
Accounts payable	$ 616	$ 880
Accounts payable to affiliated companies	110	177
Notes payable to affiliated companies	886	605
Taxes accrued	131	53
Interest accrued	106	80
Current maturities of long-term debt (includes $307 at 2023 and $306 at 2022 related to VIEs)	330	328
Asset retirement obligations	1	1
Regulatory liabilities	180	244
Other	320	363
Total current liabilities	2,680	2,731
Long-Term Debt (includes $859 at 2023 and $890 at 2022 related to VIEs)	9,353	9,381
Other Noncurrent Liabilities		
Deferred income taxes	2,811	2,789
Asset retirement obligations	346	357
Regulatory liabilities	618	633
Operating lease liabilities	201	211
Accrued pension and other post-retirement benefit costs	110	111
Investment tax credits	233	234
Other	77	84
Total other noncurrent liabilities	4,396	4,419
Commitments and Contingencies		
Equity		
Member's equity	9,237	9,031
Accumulated other comprehensive loss	(6)	(8)
Total equity	9,231	9,023
Total Liabilities and Equity	$ 25,660	$ 25,554

See Notes to Condensed Consolidated Financial Statements

DUKE ENERGY FLORIDA, LLC
Condensed Consolidated Statements of Cash Flows
(Unaudited)

	Three Months Ended March 31,	
(in millions)	**2023**	**2022**
CASH FLOWS FROM OPERATING ACTIVITIES		
Net income	**$ 205**	$ 171
Adjustments to reconcile net income to net cash provided by operating activities:		
Depreciation, amortization and accretion	**194**	273
Equity component of AFUDC	**(3)**	(5)
Impairment of assets and other charges	**1**	—
Deferred income taxes	**21**	52
Payments for asset retirement obligations	**(12)**	(28)
(Increase) decrease in		
Receivables	**42**	(54)
Receivables from affiliated companies	**(1)**	—
Inventory	**(57)**	14
Other current assets[(a)]	**363**	(72)
Increase (decrease) in		
Accounts payable	**(211)**	9
Accounts payable to affiliated companies	**(67)**	(89)
Taxes accrued	**79**	45
Other current liabilities	**(27)**	(52)
Other assets[(a)]	**(193)**	(24)
Other liabilities	**(8)**	(6)
Net cash provided by operating activities	**326**	234
CASH FLOWS FROM INVESTING ACTIVITIES		
Capital expenditures	**(609)**	(514)
Purchases of debt and equity securities	**(40)**	(49)
Proceeds from sales and maturities of debt and equity securities	**68**	69
Other	**(38)**	(10)
Net cash used in investing activities	**(619)**	(504)
CASH FLOWS FROM FINANCING ACTIVITIES		
Proceeds from the issuance of long-term debt	**5**	—
Payments for the redemption of long-term debt	**(34)**	(34)
Notes payable to affiliated companies	**281**	269
Other	**(1)**	(1)
Net cash provided by financing activities	**251**	234
Net decrease in cash, cash equivalents and restricted cash	**(42)**	(36)
Cash, cash equivalents and restricted cash at beginning of period	**86**	62
Cash, cash equivalents and restricted cash at end of period	**$ 44**	$ 26
Supplemental Disclosures:		
Significant non-cash transactions:		
Accrued capital expenditures	**$ 340**	$ 237

(a) Includes approximately $162 million of net collections of deferred fuel regulatory assets for the three months ended March 31, 2023.

DUKE ENERGY FLORIDA, LLC
Condensed Consolidated Statements of Changes in Equity
(Unaudited)

(in millions)	Member's Equity	Accumulated Other Comprehensive Loss: Net Unrealized Gains (Losses) on Available-for-Sale Securities	Total Equity
Balance at December 31, 2021	$ 8,298	$ (3)	$ 8,295
Net income	171	—	171
Other comprehensive loss	—	(1)	(1)
Balance at March 31, 2022	$ 8,469	$ (4)	$ 8,465
Balance at December 31, 2022	$ 9,031	$ (8)	$ 9,023
Net income	**205**	**—**	**205**
Other comprehensive income	**—**	**2**	**2**
Other	**1**	**—**	**1**
Balance at March 31, 2023	**$ 9,237**	**$ (6)**	**$ 9,231**

See Notes to Condensed Consolidated Financial Statements

DUKE ENERGY OHIO, INC.
Condensed Consolidated Statements of Operations and Comprehensive Income
(Unaudited)

	Three Months Ended March 31,	
(in millions)	**2023**	**2022**
Operating Revenues		
Regulated electric	**$ 474**	$ 412
Regulated natural gas	**235**	226
Total operating revenues	**709**	638
Operating Expenses		
Fuel used in electric generation and purchased power	**176**	127
Cost of natural gas	**92**	107
Operation, maintenance and other	**123**	178
Depreciation and amortization	**90**	80
Property and other taxes	**80**	101
Total operating expenses	**561**	593
Operating Income	**148**	45
Other Income and Expenses, net	**8**	6
Interest Expense	**36**	30
Income Before Income Taxes	**120**	21
Income Tax Expense (Benefit)	**20**	(56)
Net Income and Comprehensive Income	**$ 100**	$ 77

See Notes to Condensed Consolidated Financial Statements

DUKE ENERGY OHIO, INC.
Condensed Consolidated Balance Sheets
(Unaudited)

(in millions)	March 31, 2023	December 31, 2022
ASSETS		
Current Assets		
Cash and cash equivalents	$ 26	$ 16
Receivables (net of allowance for doubtful accounts of $7 at 2023 and $6 at 2022)	74	73
Receivables from affiliated companies	196	247
Notes receivable from affiliated companies	258	—
Inventory	157	144
Regulatory assets	54	103
Other	33	86
Total current assets	798	669
Property, Plant and Equipment		
Cost	12,543	12,497
Accumulated depreciation and amortization	(3,282)	(3,250)
Net property, plant and equipment	9,261	9,247
Other Noncurrent Assets		
Goodwill	920	920
Regulatory assets	623	581
Operating lease right-of-use assets, net	17	18
Other	74	71
Total other noncurrent assets	1,634	1,590
Total Assets	$ 11,693	$ 11,506
LIABILITIES AND EQUITY		
Current Liabilities		
Accounts payable	$ 284	$ 380
Accounts payable to affiliated companies	65	72
Notes payable to affiliated companies	72	497
Taxes accrued	227	317
Interest accrued	31	29
Current maturities of long-term debt	475	475
Asset retirement obligations	14	17
Regulatory liabilities	62	99
Other	66	74
Total current liabilities	1,296	1,960
Long-Term Debt	3,491	2,745
Long-Term Debt Payable to Affiliated Companies	25	25
Other Noncurrent Liabilities		
Deferred income taxes	1,142	1,136
Asset retirement obligations	140	137
Regulatory liabilities	530	534
Operating lease liabilities	17	17
Accrued pension and other post-retirement benefit costs	91	90
Other	95	96
Total other noncurrent liabilities	2,015	2,010
Commitments and Contingencies		
Equity		
Common Stock, $8.50 par value, 120 million shares authorized; 90 million shares outstanding at 2023 and 2022	762	762
Additional paid-in capital	3,100	3,100
Retained earnings	1,004	904
Total equity	4,866	4,766
Total Liabilities and Equity	$ 11,693	$ 11,506

See Notes to Condensed Consolidated Financial Statements

DUKE ENERGY OHIO, INC.
Condensed Consolidated Statements of Cash Flows
(Unaudited)

	Three Months Ended March 31,	
(in millions)	**2023**	**2022**
CASH FLOWS FROM OPERATING ACTIVITIES		
Net income	**$ 100**	$ 77
Adjustments to reconcile net income to net cash provided by operating activities:		
Depreciation and amortization	**91**	81
Equity component of AFUDC	**—**	(3)
Deferred income taxes	**(3)**	(51)
Payments for asset retirement obligations	**(1)**	—
Provision for rate refunds	**—**	5
(Increase) decrease in		
Receivables	**—**	(5)
Receivables from affiliated companies	**17**	15
Inventory	**(11)**	2
Other current assets	**94**	48
Increase (decrease) in		
Accounts payable	**(60)**	88
Accounts payable to affiliated companies	**(7)**	—
Taxes accrued	**(90)**	(56)
Other current liabilities	**(42)**	(89)
Other assets	**1**	(17)
Other liabilities	**(1)**	74
Net cash provided by operating activities	**88**	169
CASH FLOWS FROM INVESTING ACTIVITIES		
Capital expenditures	**(232)**	(210)
Net proceeds from the sales of other assets	**75**	—
Notes receivable from affiliated companies	**(224)**	29
Other	**(16)**	(6)
Net cash used in investing activities	**(397)**	(187)
CASH FLOWS FROM FINANCING ACTIVITIES		
Proceeds from the issuance of long-term debt	**749**	—
Notes payable to affiliated companies	**(425)**	21
Other	**(5)**	(1)
Net cash provided by financing activities	**319**	20
Net increase in cash and cash equivalents	**10**	2
Cash and cash equivalents at beginning of period	**16**	13
Cash and cash equivalents at end of period	**$ 26**	$ 15
Supplemental Disclosures:		
Significant non-cash transactions:		
Accrued capital expenditures	**$ 87**	$ 82

See Notes to Condensed Consolidated Financial Statements

DUKE ENERGY OHIO, INC.
Condensed Consolidated Statements of Changes in Equity
(Unaudited)

(in millions)		Common Stock		Additional Paid-in Capital		Retained Earnings		Total Equity
Balance at December 31, 2021	$	762	$	3,100	$	602	$	4,464
Net income		—		—		77		77
Other		—		—		1		1
Balance at March 31, 2022	$	762	$	3,100	$	680	$	4,542
Balance at December 31, 2022	$	762	$	3,100	$	904	$	4,766
Net income		**—**		**—**		**100**		**100**
Balance at March 31, 2023	**$**	**762**	**$**	**3,100**	**$**	**1,004**	**$**	**4,866**

DUKE ENERGY INDIANA, LLC
Condensed Consolidated Statements of Operations and Comprehensive Income
(Unaudited)

	Three Months Ended March 31,	
(in millions)	**2023**	**2022**
Operating Revenues	**$ 975**	$ 822
Operating Expenses		
Fuel used in electric generation and purchased power	**449**	319
Operation, maintenance and other	**184**	192
Depreciation and amortization	**158**	156
Property and other taxes	**18**	25
Impairment of assets and other charges	**—**	211
Total operating expenses	**809**	903
Operating Income (Loss)	**166**	(81)
Other Income and Expenses, net	**14**	10
Interest Expense	**52**	45
Income (Loss) Before Income Taxes	**128**	(116)
Income Tax Expense (Benefit)	**22**	(37)
Net Income (Loss) and Comprehensive Income (Loss)	**$ 106**	$ (79)

See Notes to Condensed Consolidated Financial Statements

DUKE ENERGY INDIANA, LLC
Condensed Consolidated Balance Sheets
(Unaudited)

(in millions)	March 31, 2023	December 31, 2022
ASSETS		
Current Assets		
Cash and cash equivalents	$ 11	$ 31
Receivables (net of allowance for doubtful accounts of $4 at 2023 and $4 at 2022)	90	112
Receivables from affiliated companies	228	298
Inventory	560	489
Regulatory assets	91	249
Other	64	197
Total current assets	1,044	1,376
Property, Plant and Equipment		
Cost	18,295	18,121
Accumulated depreciation and amortization	(6,136)	(6,021)
Net property, plant and equipment	12,159	12,100
Other Noncurrent Assets		
Regulatory assets	903	875
Operating lease right-of-use assets, net	48	49
Other	265	254
Total other noncurrent assets	1,216	1,178
Total Assets	$ 14,419	$ 14,654
LIABILITIES AND EQUITY		
Current Liabilities		
Accounts payable	$ 247	$ 391
Accounts payable to affiliated companies	60	206
Notes payable to affiliated companies	204	435
Taxes accrued	106	92
Interest accrued	59	48
Current maturities of long-term debt	3	303
Asset retirement obligations	197	207
Regulatory liabilities	207	187
Other	145	161
Total current liabilities	1,228	2,030
Long-Term Debt	4,350	3,854
Long-Term Debt Payable to Affiliated Companies	150	150
Other Noncurrent Liabilities		
Deferred income taxes	1,313	1,299
Asset retirement obligations	741	744
Regulatory liabilities	1,517	1,454
Operating lease liabilities	46	47
Accrued pension and other post-retirement benefit costs	123	122
Investment tax credits	186	186
Other	31	65
Total other noncurrent liabilities	3,957	3,917
Commitments and Contingencies		
Equity		
Member's equity	4,733	4,702
Accumulated other comprehensive income	1	1
Total equity	4,734	4,703
Total Liabilities and Equity	$ 14,419	$ 14,654

See Notes to Condensed Consolidated Financial Statements

DUKE ENERGY INDIANA, LLC
Condensed Consolidated Statements of Cash Flows
(Unaudited)

	Three Months Ended March 31,	
(in millions)	**2023**	**2022**
CASH FLOWS FROM OPERATING ACTIVITIES		
Net income (loss)	**$ 106**	$ (79)
Adjustments to reconcile net income (loss) to net cash provided by operating activities:		
Depreciation, amortization and accretion	**158**	157
Equity component of AFUDC	**(1)**	(7)
Impairment of assets and other charges	**—**	211
Deferred income taxes	**2**	(81)
Payments for asset retirement obligations	**(19)**	(15)
(Increase) decrease in		
Receivables	**20**	4
Receivables from affiliated companies	**(26)**	12
Inventory	**(71)**	(12)
Other current assets	**174**	(22)
Increase (decrease) in		
Accounts payable	**(107)**	19
Accounts payable to affiliated companies	**(33)**	(22)
Taxes accrued	**14**	74
Other current liabilities	**112**	14
Other assets	**(12)**	(10)
Other liabilities	**35**	50
Net cash provided by operating activities	**352**	293
CASH FLOWS FROM INVESTING ACTIVITIES		
Capital expenditures	**(226)**	(212)
Purchases of debt and equity securities	**(23)**	(16)
Proceeds from sales and maturities of debt and equity securities	**16**	13
Notes receivable from affiliated companies	**96**	131
Other	**(10)**	(17)
Net cash used in investing activities	**(147)**	(101)
CASH FLOWS FROM FINANCING ACTIVITIES		
Proceeds from the issuance of long-term debt	**495**	—
Payments for the redemption of long-term debt	**(300)**	(53)
Notes payable to affiliated companies	**(231)**	—
Distributions to parent	**(188)**	(125)
Other	**(1)**	(1)
Net cash used in financing activities	**(225)**	(179)
Net (decrease) increase in cash and cash equivalents	**(20)**	13
Cash and cash equivalents at beginning of period	**31**	6
Cash and cash equivalents at end of period	**$ 11**	$ 19
Supplemental Disclosures:		
Significant non-cash transactions:		
Accrued capital expenditures	**$ 85**	$ 82

(a) Includes approximately $175 million of net collections of deferred fuel regulatory assets for the three months ended March 31, 2023.

DUKE ENERGY INDIANA, LLC
Condensed Consolidated Statements of Changes in Equity
(Unaudited)

(in millions)	Member's Equity	Accumulated Other Comprehensive Income — Pension and OPEB Adjustments	Total Equity
Balance at December 31, 2021	$ 5,015	$ —	$ 5,015
Net loss	(79)	—	(79)
Distributions to parent	(113)	—	(113)
Other	1	—	1
Balance at March 31, 2022	$ 4,824	$ —	$ 4,824
Balance at December 31, 2022	$ 4,702	$ 1	$ 4,703
Net income	**106**	**—**	**106**
Distributions to parent	**(75)**	**—**	**(75)**
Balance at March 31, 2023	**$ 4,733**	**$ 1**	**$ 4,734**

See Notes to Condensed Consolidated Financial Statements

PIEDMONT NATURAL GAS COMPANY, INC.
Condensed Consolidated Statements of Operations and Comprehensive Income
(Unaudited)

	Three Months Ended March 31,	
(in millions)	**2023**	**2022**
Operating Revenues	**$ 675**	$ 805
Operating Expenses		
Cost of natural gas	**206**	374
Operation, maintenance and other	**89**	95
Depreciation and amortization	**57**	54
Property and other taxes	**16**	16
Impairment of assets and other charges	**1**	—
Total operating expenses	**369**	539
Operating Income	**306**	266
Other Income and Expenses, net	**16**	13
Interest Expense	**40**	32
Income Before Income Taxes	**282**	247
Income Tax Expense	**50**	33
Net Income and Comprehensive Income	**$ 232**	$ 214

See Notes to Condensed Consolidated Financial Statements

PIEDMONT NATURAL GAS COMPANY, INC.
Condensed Consolidated Balance Sheets
(Unaudited)

(in millions)	March 31, 2023	December 31, 2022
ASSETS		
Current Assets		
Receivables (net of allowance for doubtful accounts of $14 at 2023 and 2022)	$ 245	$ 436
Receivables from affiliated companies	11	11
Inventory	99	172
Regulatory assets	121	119
Other	9	4
Total current assets	485	742
Property, Plant and Equipment		
Cost	11,101	10,869
Accumulated depreciation and amortization	(2,136)	(2,081)
Facilities to be retired, net	8	9
Net property, plant and equipment	8,973	8,797
Other Noncurrent Assets		
Goodwill	49	49
Regulatory assets	389	392
Operating lease right-of-use assets, net	3	4
Investments in equity method unconsolidated affiliates	78	79
Other	278	272
Total other noncurrent assets	797	796
Total Assets	$ 10,255	$ 10,335
LIABILITIES AND EQUITY		
Current Liabilities		
Accounts payable	$ 191	$ 345
Accounts payable to affiliated companies	39	51
Notes payable to affiliated companies	343	514
Taxes accrued	61	74
Interest accrued	43	40
Current maturities of long-term debt	45	45
Regulatory liabilities	122	74
Other	58	81
Total current liabilities	902	1,224
Long-Term Debt	3,319	3,318
Other Noncurrent Liabilities		
Deferred income taxes	897	870
Asset retirement obligations	27	26
Regulatory liabilities	1,016	1,024
Operating lease liabilities	12	13
Accrued pension and other post-retirement benefit costs	7	7
Other	170	180
Total other noncurrent liabilities	2,129	2,120
Commitments and Contingencies		
Equity		
Common stock, no par value: 100 shares authorized and outstanding at 2023 and 2022	1,635	1,635
Retained earnings	2,269	2,037
Total Piedmont Natural Gas Company, Inc. stockholder's equity	3,904	3,672
Noncontrolling interests	1	1
Total equity	3,905	3,673
Total Liabilities and Equity	$ 10,255	$ 10,335

See Notes to Condensed Consolidated Financial Statements

PIEDMONT NATURAL GAS COMPANY, INC.
Condensed Consolidated Statements of Cash Flows
(Unaudited)

	Three Months Ended March 31,	
(in millions)	**2023**	**2022**
CASH FLOWS FROM OPERATING ACTIVITIES		
Net income	$ **232**	$ 214
Adjustments to reconcile net income to net cash provided by operating activities:		
Depreciation and amortization	**58**	55
Equity component of AFUDC	**(5)**	(1)
Impairment of assets and other charges	**1**	—
Deferred income taxes	**14**	(11)
Equity in earnings from unconsolidated affiliates	**(2)**	(2)
Provision for rate refunds	**—**	(2)
(Increase) decrease in		
Receivables	**189**	15
Receivables from affiliated companies	**—**	(2)
Inventory	**73**	58
Other current assets	**(19)**	7
Increase (decrease) in		
Accounts payable	**(107)**	(16)
Accounts payable to affiliated companies	**(12)**	12
Taxes accrued	**(13)**	16
Other current liabilities	**42**	36
Other assets	**(2)**	(13)
Other liabilities	**(1)**	—
Net cash provided by operating activities	**448**	366
CASH FLOWS FROM INVESTING ACTIVITIES		
Capital expenditures	**(271)**	(199)
Other	**(6)**	(8)
Net cash used in investing activities	**(277)**	(207)
CASH FLOWS FROM FINANCING ACTIVITIES		
Notes payable to affiliated companies	**(171)**	(158)
Other	**—**	(1)
Net cash used in financing activities	**(171)**	(159)
Net increase in cash and cash equivalents	**—**	—
Cash and cash equivalents at beginning of period	**—**	—
Cash and cash equivalents at end of period	$ **—**	$ —
Supplemental Disclosures:		
Significant non-cash transactions:		
Accrued capital expenditures	$ **160**	$ 87

See Notes to Condensed Consolidated Financial Statements

PIEDMONT NATURAL GAS COMPANY, INC.
Condensed Consolidated Statements of Changes in Equity
(Unaudited)

(in millions)	Common Stock	Retained Earnings	Total Piedmont Natural Gas Company, Inc. Equity	Noncontrolling Interests	Total Equity
Balance at December 31, 2021	$ 1,635	$ 1,714	$ 3,349	$ —	$ 3,349
Net income	—	214	214	—	214
Balance at March 31, 2022	$ 1,635	$ 1,928	$ 3,563	$ —	$ 3,563
Balance at December 31, 2022	$ 1,635	$ 2,037	$ 3,672	$ 1	$ 3,673
Net income	**—**	**232**	**232**	**—**	**232**
Balance at March 31, 2023	**$ 1,635**	**$ 2,269**	**$ 3,904**	**$ 1**	**$ 3,905**

See Notes to Condensed Consolidated Financial Statements

Index to Combined Notes to Condensed Consolidated Financial Statements

The unaudited notes to the Condensed Consolidated Financial Statements that follow are a combined presentation. The following list indicates the registrants to which the footnotes apply.

	Applicable Notes																
Registrant	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Duke Energy	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•
Duke Energy Carolinas	•		•	•	•	•		•	•	•	•	•	•		•	•	•
Progress Energy	•		•	•	•	•	•	•	•	•	•	•	•		•	•	•
Duke Energy Progress	•		•	•	•	•		•	•	•	•	•	•		•	•	•
Duke Energy Florida	•		•	•	•	•		•	•	•	•	•	•		•	•	•
Duke Energy Ohio	•		•	•	•	•	•	•	•		•	•	•		•	•	•
Duke Energy Indiana	•		•	•	•	•		•	•	•	•	•	•		•	•	•
Piedmont	•		•	•	•	•	•	•	•		•		•		•	•	•

Tables within the notes may not sum across due to (i) Progress Energy's consolidation of Duke Energy Progress, Duke Energy Florida and other subsidiaries that are not registrants and (ii) subsidiaries that are not registrants but included in the consolidated Duke Energy balances.

1. ORGANIZATION AND BASIS OF PRESENTATION

BASIS OF PRESENTATION

These Condensed Consolidated Financial Statements have been prepared in accordance with GAAP for interim financial information and with the instructions to Form 10-Q and Regulation S-X. Accordingly, these Condensed Consolidated Financial Statements do not include all information and notes required by GAAP for annual financial statements and should be read in conjunction with the Consolidated Financial Statements in the Duke Energy's Annual Report on Form 10-K for the year ended December 31, 2022.

The information in these combined notes relates to each of the Duke Energy Registrants as noted in the Index to Combined Notes to Condensed Consolidated Financial Statements. However, none of the registrants make any representations as to information related solely to Duke Energy or the subsidiaries of Duke Energy other than itself.

These Condensed Consolidated Financial Statements, in the opinion of the respective companies' management, reflect all normal recurring adjustments necessary to fairly present the financial position and results of operations of each of the Duke Energy Registrants. Amounts reported in Duke Energy's interim Condensed Consolidated Statements of Operations and each of the Subsidiary Registrants' interim Condensed Consolidated Statements of Operations and Comprehensive Income are not necessarily indicative of amounts expected for the respective annual periods due to effects of seasonal temperature variations on energy consumption, regulatory rulings, timing of maintenance on electric generating units, changes in mark-to-market valuations, changing commodity prices and other factors.

In preparing financial statements that conform to GAAP, management must make estimates and assumptions that affect the reported amounts of assets and liabilities, the reported amounts of revenues and expenses and the disclosure of contingent assets and liabilities at the date of the financial statements. Actual results could differ from those estimates.

BASIS OF CONSOLIDATION

These Condensed Consolidated Financial Statements include, after eliminating intercompany transactions and balances, the accounts of the Duke Energy Registrants and subsidiaries or VIEs where the respective Duke Energy Registrants have control. See Note 12 for additional information on VIEs. These Condensed Consolidated Financial Statements also reflect the Duke Energy Registrants' proportionate share of certain jointly owned generation and transmission facilities.

Discontinued Operations

Duke Energy has elected to present cash flows of discontinued operations combined with cash flows of continuing operations. Unless otherwise noted, the notes to these condensed consolidated financial statements exclude amounts related to discontinued operations for all periods presented. For the three months ended March 31, 2023, and 2022, the Loss From Discontinued Operations, net of tax on Duke Energy's Condensed Consolidated Statements of Operations includes amounts related to noncontrolling interests. A portion of Noncontrolling interests on Duke Energy's Condensed Consolidated Balance Sheets relates to discontinued operations for the periods presented. See Note 2 for discussion of discontinued operations related to the Commercial Renewables Disposal Groups.

NONCONTROLLING INTEREST

Duke Energy maintains a controlling financial interest in certain less than wholly owned nonregulated subsidiaries. As a result, Duke Energy consolidates these subsidiaries and presents the third-party investors' portion of Duke Energy's net income (loss), net assets and comprehensive income (loss) as noncontrolling interest. Noncontrolling interest is included as a component of equity on the Condensed Consolidated Balance Sheets. Operating agreements of Duke Energy's subsidiaries with noncontrolling interest allocate profit and loss based on their pro rata shares of the ownership interest in the respective subsidiary. Therefore, Duke Energy allocates net income or loss and other comprehensive income or loss of these subsidiaries to the owners based on their pro rata shares.

CASH, CASH EQUIVALENTS AND RESTRICTED CASH

Duke Energy, Duke Energy Carolinas, Progress Energy, Duke Energy Progress and Duke Energy Florida have restricted cash balances related primarily to collateral assets, escrow deposits and VIEs. See Notes 10 and 12 for additional information. Restricted cash amounts are included in Other within Current Assets and Other Noncurrent Assets on the Condensed Consolidated Balance Sheets. The following table presents the components of cash, cash equivalents and restricted cash included in the Condensed Consolidated Balance Sheets.

	March 31, 2023					December 31, 2022				
	Duke Energy	Duke Energy Carolinas	Progress Energy	Duke Energy Progress	Duke Energy Florida	Duke Energy[(a)]	Duke Energy Carolinas	Progress Energy	Duke Energy Progress	Duke Energy Florida
Current Assets										
Cash and cash equivalents	**$ 451**	**$ 24**	**$ 93**	**$ 50**	**$ 26**	$ 409	$ 44	$ 108	$ 49	$ 45
Other	**42**	**5**	**37**	**14**	**18**	82	8	74	28	41
Other Noncurrent Assets										
Other	**11**	**1**	**4**	**4**	**—**	11	1	2	2	—
Total cash, cash equivalents and restricted cash	**$ 504**	**$ 30**	**$ 134**	**$ 68**	**$ 44**	$ 502	$ 53	$ 184	$ 79	$ 86

(a) Certain prior year balances have been adjusted for held for sale presentation. See Note 2 for additional information.

INVENTORY

Provisions for inventory write-offs were not material at March 31, 2023, and December 31, 2022. The components of inventory are presented in the tables below.

	March 31, 2023							
(in millions)	Duke Energy	Duke Energy Carolinas	Progress Energy	Duke Energy Progress	Duke Energy Florida	Duke Energy Ohio	Duke Energy Indiana	Piedmont
Materials and supplies	**$ 2,739**	**$ 948**	**$ 1,273**	**$ 842**	**$ 431**	**$ 116**	**$ 355**	**$ 12**
Coal	**772**	**309**	**233**	**128**	**105**	**29**	**202**	**—**
Natural gas, oil and other fuel	**354**	**46**	**206**	**112**	**94**	**12**	**3**	**87**
Total inventory	**$ 3,865**	**$ 1,303**	**$ 1,712**	**$ 1,082**	**$ 630**	**$ 157**	**$ 560**	**$ 99**

	December 31, 2022							
(in millions)	Duke Energy	Duke Energy Carolinas	Progress Energy	Duke Energy Progress	Duke Energy Florida	Duke Energy Ohio	Duke Energy Indiana	Piedmont
Materials and supplies	$ 2,604	$ 876	$ 1,232	$ 819	$ 413	$ 105	$ 342	$ 12
Coal	620	253	190	99	91	34	144	—
Natural gas, oil and other fuel	360	35	157	88	69	5	3	160
Total inventory	$ 3,584	$ 1,164	$ 1,579	$ 1,006	$ 573	$ 144	$ 489	$ 172

OTHER NONCURRENT ASSETS

Duke Energy, through a nonregulated subsidiary, was the winner of the Carolina Long Bay offshore wind auction in May 2022 and recorded an asset of $150 million related to the arrangement in Other within Other noncurrent assets. In November 2022, Duke Energy committed to a plan to sell the Commercial Renewables business segment, excluding the offshore wind contract for Carolina Long Bay, which was moved to the Electric Utilities and Infrastructure (EU&I) segment. See Notes 2 and 3 for further information.

ACCOUNTS PAYABLE

Duke Energy maintains a supply chain finance program (the "program") with a global financial institution. The program is voluntary and allows Duke Energy suppliers, at their sole discretion, to sell their receivables from Duke Energy to the financial institution at a rate that leverages Duke Energy's credit rating and which may result in favorable terms compared to the rate available to the supplier on their own credit rating. Suppliers participating in the program determine at their sole discretion which invoices they will sell to the financial institution. Duke Energy confirms invoices sold by suppliers under the program to the financial institution and pays the financial institution based on commercial terms negotiated between Duke Energy and the supplier regardless of program participation. Suppliers' decisions on which invoices are sold do not impact Duke Energy's payment terms. The commercial terms negotiated between Duke Energy and its suppliers are consistent regardless of whether the supplier elects to participate in the program. Duke Energy does not issue any guarantees with respect to the program and does not participate in negotiations between suppliers and the financial institution. Duke Energy does not have an economic interest in the supplier's decision to participate in the program and receives no interest, fees or other benefit from the financial institution based on supplier participation in the program.

The following table represents the changes in confirmed obligations outstanding for the three months ended March 31, 2023, and 2022.

(in millions)		Duke Energy	Duke Energy Carolinas	Progress Energy	Duke Energy Progress	Duke Energy Florida	Duke Energy Ohio	Duke Energy Indiana	Piedmont
Confirmed obligations outstanding at the December 31, 2021	$	19 $	— $	9 $	— $	9 $	6 $	— $	4
Invoices confirmed during the period		31	2	11	2	9	6	2	11
Confirmed invoices paid during the period		(31)	(1)	(11)	(1)	(10)	(8)	(1)	(10)
Confirmed obligations outstanding at March 31, 2022	$	19 $	1 $	9 $	1 $	8 $	4 $	1 $	5
Confirmed obligations outstanding at the December 31, 2022	$	87 $	6 $	19 $	8 $	11 $	5 $	— $	57
Invoices confirmed during the period		**59**	**10**	**22**	**11**	**11**	**1**	**—**	**25**
Confirmed invoices paid during the period		**(94)**	**(9)**	**(26)**	**(13)**	**(13)**	**(6)**	**—**	**(53)**
Confirmed obligations outstanding at March 31, 2023	**$**	**52 $**	**7 $**	**15 $**	**6 $**	**9 $**	**— $**	**— $**	**29**

NEW ACCOUNTING STANDARDS

No new accounting standards were adopted by the Duke Energy Registrants in 2023.

2. DISPOSITIONS

Sale of Commercial Renewables Segment

In August 2022, Duke Energy announced a strategic review of its commercial renewables business. Since 2007, Duke Energy has built a portfolio of commercial wind, solar and battery projects across the U.S., and established a development pipeline. Duke Energy has developed a strategy to focus on renewables, grid and other investment opportunities within its regulated operations. In November 2022, Duke Energy committed to a plan to sell the Commercial Renewables business segment, excluding the offshore wind contract for Carolina Long Bay, which was moved to the EU&I segment. Prior to March 2023, Duke Energy was actively marketing the Commercial Renewables business as two separate disposal groups, the utility-scale solar and wind group and the distributed generation group. In March 2023, assets for certain projects were removed from the utility-scale solar and wind group and placed in a separate disposal group (collectively, Commercial Renewables Disposal Groups) and a pretax impairment of approximately $220 million was recorded for the three months ended March 31, 2023. The sales processes for the Commercial Renewables Disposal Groups are ongoing and Duke Energy expects to dispose of these groups in the second half of 2023.

Assets Held For Sale and Discontinued Operations

The Commercial Renewables Disposal Groups were classified as held for sale and as discontinued operations in the fourth quarter of 2022. Originally debt and the related restricted cash and interest rate swaps were not expected to transfer to a buyer but during the marketing process it was determined they would be included with the sale and were classified as held for sale in March 2023. As a result, adjustments were made to the December 31, 2022, Consolidated Balance Sheet to present debt and the related restricted cash and interest rate swaps as held for sale. No adjustments were made to the historical activity within the Consolidated Statements of Comprehensive Income, Consolidated Statements of Cash Flows or the Consolidated Statements of Changes in Equity. Unless otherwise noted, the notes to these consolidated financial statements exclude amounts related to discontinued operations for all periods presented.

No interest from corporate level debt was allocated to discontinued operations.

The following table presents the carrying values of the major classes of Assets held for sale and Liabilities associated with assets held for sale included in Duke Energy's Consolidated Balance Sheets.

(in millions)	March 31, 2023	December 31, 2022
Current Assets Held for Sale		
Cash and cash equivalents	**$ 12**	$ 10
Receivables, net	**114**	107
Inventory	**81**	88
Other	**167**	151
Total current assets held for sale	**374**	356
Noncurrent Assets Held for Sale		
Property, Plant and Equipment		
Cost	**6,334**	6,444
Accumulated depreciation and amortization	**(1,651)**	(1,651)
Net property, plant and equipment	**4,683**	4,793
Operating lease right-of-use assets, net	**142**	140
Investments in equity method unconsolidated affiliates	**512**	522
Other	**201**	179
Total other noncurrent assets held for sale	**855**	841
Total Assets Held for Sale	**$ 5,912**	$ 5,990
Current Liabilities Associated with Assets Held for Sale		
Accounts payable	**$ 80**	$ 122
Taxes accrued	**9**	17
Current maturities of long-term debt	**275**	276
Other	**112**	120
Total current liabilities associated with assets held for sale	**476**	535
Noncurrent Liabilities Associated with Assets Held for Sale		
Long-Term debt	**1,184**	1,188
Operating lease liabilities	**150**	150
Asset retirement obligations	**196**	190
Other	**401**	399
Total other noncurrent liabilities associated with assets held for sale	**1,931**	1,927
Total Liabilities Associated with Assets Held for Sale	**$ 2,407**	$ 2,462

As of March 31, 2023, and December 31, 2022, the noncontrolling interest balance is $1.7 billion and $1.6 billion, respectively.

The following table presents the results of the Commercial Renewables Disposal Groups, which are included in Loss from Discontinued Operations, net of tax in Duke Energy's Consolidated Statements of Operations.

	Three Months Ended March 31,	
(in millions)	2023	2022
Operating revenues	**$ 80**	$ 121
Operation, maintenance and other	**89**	81
Depreciation and amortization[(a)]	**—**	64
Property and other taxes	**10**	10
Other income and expenses, net	**(4)**	—
Interest expense	**31**	19
Loss on disposal	**220**	—
Loss before income taxes	**(274)**	(53)
Income tax benefit	**(65)**	(38)
Loss from discontinued operations	**$ (209)**	$ (15)
Add: Net loss attributable to noncontrolling interest included in discontinued operations	**64**	27
Net income from discontinued operations attributable to Duke Energy Corporation	**$ (145)**	$ 12

(a) Upon meeting the criteria for assets held for sale, beginning in November 2022 depreciation and amortization expense were ceased.

The Commercial Renewables Disposal Groups' held for sale assets included pretax impairments of approximately $1.7 billion at December 31, 2022. In the first quarter of 2023, a pretax impairment of approximately $220 million was recorded to write-down the carrying amount of property, plant and equipment assets to the estimated fair value of the business, based on the expected selling price less estimated costs to sell. The first quarter impairment was included in Loss from Discontinued Operations, net of tax, in Duke Energy's Condensed Consolidated Statements of Operations and Comprehensive Income for the three months ended March 31, 2023. The fair value was primarily determined from market information obtained through the bidding process and discounted cash flow analysis. The discounted cash flow model utilized Level 2 and Level 3 inputs. The fair value hierarchy levels are further discussed in Note 11. The impairment will be updated, if necessary, based on market changes or the final sales price, including all closing adjustments.

Duke Energy has elected not to separately disclose discontinued operations on Duke Energy's Consolidated Statements of Cash Flows. The following table summarizes Duke Energy's cash flows from discontinued operations related to the Commercial Renewables Disposal Groups.

	Three Months Ended March 31,	
(in millions)	2023	2022
Cash flows provided by (used in):		
Operating activities	$ (54)	$ 64
Investing activities	(151)	(88)

Other Sale-Related Matters

Duke Energy (Parent) and several Duke Energy renewables project companies, located in the ERCOT market, were named in several lawsuits arising out of Texas Storm Uri, which occurred in February 2021. The legal actions related to Duke Energy (Parent) from these lawsuits will remain with Duke Energy (Parent) and any future activity related to Duke Energy (Parent) as a defendant in these lawsuits will be presented in discontinued operations. See Note 4 for more information.

3. BUSINESS SEGMENTS

Duke Energy

Due to Duke Energy's commitment in the fourth quarter of 2022 to sell the Commercial Renewables business segment, Duke Energy's segment structure now includes the following two segments: EU&I and GU&I. Prior period information has been recast to conform to the current segment structure. See Note 2 for further information on the Commercial Renewables Disposal Groups.

The EU&I segment primarily includes Duke Energy's regulated electric utilities in the Carolinas, Florida and the Midwest. EU&I also includes Duke Energy's electric transmission infrastructure investments and the offshore wind contract for Carolina Long Bay. Refer to Note 2 for further information.

The GU&I segment includes Piedmont, Duke Energy's natural gas local distribution companies in Ohio and Kentucky and Duke Energy's natural gas storage, midstream pipeline and renewable natural gas investments.

The remainder of Duke Energy's operations is presented as Other, which is primarily comprised of interest expense on holding company debt, unallocated corporate costs, Duke Energy's wholly owned captive insurance company, Bison, and Duke Energy's ownership interest in National Methanol Company.

Business segment information is presented in the following tables. Segment assets presented exclude intercompany assets.

	Three Months Ended March 31, 2023					
(in millions)	Electric Utilities and Infrastructure	Gas Utilities and Infrastructure	Total Reportable Segments	Other	Eliminations	Total
Unaffiliated revenues	$ 6,381	$ 888	$ 7,269	$ 7	$ —	$ 7,276
Intersegment revenues	17	23	40	24	(64)	—
Total revenues	$ 6,398	$ 911	$ 7,309	$ 31	$ (64)	$ 7,276
Segment income (loss)	$ 791	$ 287	$ 1,078	$ (168)	$ —	$ 910
Less: Noncontrolling interests						43
Add: Preferred stock dividend						39
Discontinued operations						(145)
Net Income						$ 761
Segment assets[a]	$ 152,989	$ 16,217	$ 169,206	$ 9,627	$ —	$ 178,833

	Three Months Ended March 31, 2022					
(in millions)	Electric Utilities and Infrastructure	Gas Utilities and Infrastructure	Total Reportable Segments	Other	Eliminations	Total
Unaffiliated revenues	$ 5,995	$ 1,009	$ 7,004	$ 7	$ —	$ 7,011
Intersegment revenues	7	23	30	23	(53)	—
Total revenues	$ 6,002	$ 1,032	$ 7,034	$ 30	$ (53)	$ 7,011
Segment income (loss)[(b)]	$ 723	$ 254	$ 977	$ (171)	$ —	$ 806
Less: Noncontrolling interests						37
Add: Preferred stock dividend						39
Discontinued operations						12
Net Income						$ 820

(a) Other includes Assets Held for Sale balances related to the Commercial Renewables Disposal Groups. Refer to Note 2 for further information.
(b) EU&I includes $211 million recorded within Impairment of assets and other charges, $46 million within Operating revenues and $22 million within Noncontrolling Interests related to the Duke Energy Indiana Supreme Court ruling on the Condensed Consolidated Statements of Operations. See Note 4 for additional information.

Duke Energy Ohio

Duke Energy Ohio has two reportable segments, EU&I and GU&I. The remainder of Duke Energy Ohio's operations is presented as Other.

	Three Months Ended March 31, 2023					
(in millions)	Electric Utilities and Infrastructure	Gas Utilities and Infrastructure	Total Reportable Segments	Other	Eliminations	Total
Total revenues	**$ 474**	**$ 235**	**$ 709**	**$ —**	**$ —**	**$ 709**
Segment income (loss)/Net income	**$ 49**	**$ 52**	**$ 101**	**$ (1)**	**$ —**	**$ 100**
Segment assets	**$ 7,553**	**$ 4,041**	**$ 11,594**	**$ 10**	**$ 89**	**$ 11,693**

	Three Months Ended March 31, 2022				
(in millions)	Electric Utilities and Infrastructure	Gas Utilities and Infrastructure	Total Reportable Segments	Other	Total
Total revenues	$ 412	$ 226	$ 638	$ —	$ 638
Segment income (loss)/Net income	$ 41	$ 38	$ 79	$ (2)	$ 77

4. REGULATORY MATTERS

RATE-RELATED INFORMATION

The NCUC, PSCSC, FPSC, IURC, PUCO, TPUC and KPSC approve rates for retail electric and natural gas services within their states. The FERC approves rates for electric sales to wholesale customers served under cost-based rates (excluding Ohio and Indiana), as well as sales of transmission service. The FERC also regulates certification and siting of new interstate natural gas pipeline projects.

Duke Energy Carolinas and Duke Energy Progress

Nuclear Station Subsequent License Renewal

On June 7, 2021, Duke Energy Carolinas filed a subsequent license renewal (SLR) application for the Oconee Nuclear Station (ONS) with the U.S. Nuclear Regulatory Commission (NRC) to renew ONS's operating license for an additional 20 years. The SLR would extend operations of the facility from 60 to 80 years. The current licenses for units 1 and 2 expire in 2033 and the license for unit 3 expires in 2034. By a Federal Register Notice dated July 28, 2021, the NRC provided a 60-day comment period for persons whose interest may be affected by the issuance of a subsequent renewed license for ONS to file a request for a hearing and a petition for leave to intervene. On September 27, 2021, Beyond Nuclear and Sierra Club (Petitioners) filed a Hearing Request and Petition to Intervene (Hearing Request) and a Petition for Waiver. The Hearing Request proposed three contentions and claimed that Duke Energy Carolinas did not satisfy the National Environmental Policy Act (NEPA) of 1969, as amended, or the NRC's NEPA-implementing regulations. Following Duke Energy Carolinas' answer and the Petitioners' reply, on February 11, 2022, the Atomic Safety and Licensing Board (ASLB) issued its decision on the Hearing Request and found that the Petitioners failed to establish that the proposed contentions are litigable. The ASLB also denied the Petitioners' Petition for Waiver and terminated the proceeding.

On February 24, 2022, the NRC issued a decision in the SLR appeal related to Florida Power and Light's Turkey Point nuclear generating station in Florida. The NRC ruled that the NRC's license renewal Generic Environmental Impact Statement (GEIS) does not apply to SLR because the GEIS does not address SLR. The decision overturned a 2020 NRC decision that found the GEIS applies to SLR. Although Turkey Point is not owned or operated by a Duke Energy Registrant, the NRC's order applies to all SLR applicants, including ONS. The NRC order also indicated no subsequent renewed licenses will be issued until the NRC staff has completed an adequate NEPA review for each application. On April 5, 2022, the NRC approved a 24-month rulemaking plan that will enable the NRC staff to complete an adequate NEPA review. Although an SLR applicant may wait until the rulemaking is completed, the NRC also noted that an applicant may submit a supplement to its environmental report providing information on environmental impacts during the SLR period prior to the rulemaking being completed. On November 7, 2022, Duke Energy Carolinas submitted a supplement to its environmental report addressing environmental impacts during the SLR period. On December 19, 2022, the NRC published a notice in the Federal Register that the NRC will conduct a limited scoping process to gather additional information necessary to prepare an environmental impact statement (EIS) to evaluate the environmental impacts at ONS during the SLR period. The NRC received comments from the EPA and the Petitioners and these comments identify 18 potential impacts that should be considered by the NRC in the EIS, which include, but are not limited to, climate change and flooding, environmental justice, severe accidents, and external events. Currently, the NRC expects to publish a draft EIS in October 2023.

On December 19, 2022, the NRC issued the Safety Evaluation Report (SER) for the safety portion of the SLR application. The NRC determined Duke Energy Carolinas met the requirements of the applicable regulations and identified actions that have been taken or will be taken to manage the effects of aging and address time-limited analyses. Duke Energy Carolinas and the NRC met with the Advisory Committee on Reactor Safeguards (ACRS) on February 2, 2023, to discuss issues regarding the SER and SLR application. On February 25, 2023, the ACRS issued a report to the NRC on the safety aspects of the ONS SLR application, which concluded that the established programs and commitments made by Duke Energy Carolinas to manage age-related degradation provide confidence that ONS can be operated in accordance with its current licensing basis for the subsequent period of extended operation without undue risk to the health and safety of the public and the SLR application for ONS should be approved.

Although the NRC's GEIS applicability decision will delay completion of the SLR proceeding, Duke Energy Carolinas does not believe it changes the probability that the ONS subsequent renewed licenses will ultimately be issued, although Duke Energy Carolinas cannot guarantee the outcome of the license application process.

Duke Energy Carolinas and Duke Energy Progress intend to seek renewal of operating licenses and 20-year license extensions for all of their nuclear stations. New depreciation rates were implemented for all of the nuclear facilities during the second quarter of 2021. Duke Energy Carolinas and Duke Energy Progress cannot predict the outcome of these additional relicensing proceedings.

Storm Cost Securitization

On June 15, 2022, the South Carolina General Assembly unanimously adopted S. 1077 (Act 227) in both the House and Senate and the bill was signed into law on June 17, 2022. The legislation enables the PSCSC to permit the issuance of bonds for the payment of storm costs and the creation of a storm charge for repayment.

On August 5, 2022, Duke Energy Progress filed a petition with the PSCSC for review and approval of deferred storm costs to be securitized of approximately $223 million. On February 7, 2023, a stipulation was reached with all parties in the proceeding regarding certain items identified through the Office of Regulatory Staff (ORS) audit of storm costs. The evidentiary hearing was held on March 1, 2023. On April 20, 2023, the PSCSC issued its order, approving the stipulation and determining unresolved issues in the case, resulting in approximately $171 million in projected deferred storm costs eligible to be securitized. The difference in the original filed amount and the approved amount is primarily related to the stipulation with the ORS in which Duke Energy Progress agreed to apply a debt-only rate of return for the calculation of carrying costs during the deferral period for the deferred storm costs.

Duke Energy Carolinas

2023 North Carolina Rate Case

On January 19, 2023, Duke Energy Carolinas filed a PBR application with the NCUC to request an increase in base rate retail revenues. The PBR Application includes an MYRP to recover projected capital investments during the three-year MYRP period. In addition to the MYRP, the PBR Application includes an Earnings Sharing Mechanism, Residential Decoupling Mechanism and Performance Incentive Mechanisms as required by HB 951. If approved, the overall retail revenue increase would be $501 million in Year 1, $172 million in Year 2 and $150 million in Year 3, for a combined total of $823 million or 15.7% by early 2026. The rate increase is driven primarily by major transmission and distribution investments since the last rate case and projected in the MYRP, as well as investments in energy storage and solar assets included in the MYRP consistent with the Carbon Plan. Duke Energy Carolinas plans to implement interim rates, subject to refund, on September 1, 2023, and has requested permanent rates be effective by January 1, 2024. The evidentiary hearing has been scheduled to begin on August 21, 2023. Duke Energy Carolinas cannot predict the outcome of this matter.

Duke Energy Progress

2022 North Carolina Rate Case

On October 6, 2022, Duke Energy Progress filed a PBR application with the NCUC to request an increase in base rate retail revenues. The rate request before the NCUC includes an MYRP to recover projected capital investments during the three-year MYRP period. In addition to the MYRP, the PBR Application includes an Earnings Sharing Mechanism, Residential Decoupling Mechanism and Performance Incentive Mechanisms (PIMs) as required by HB 951. The overall retail revenue increase as originally filed would be $326 million in Year 1, $151 million in Year 2 and $138 million in Year 3, for a combined total of $615 million or 16% by late 2025. The rate increase is driven primarily by major transmission and distribution investments since the last rate case and projected in the MYRP, as well as investments in energy storage and solar assets included in the MYRP consistent with the Carbon Plan. Duke Energy Progress plans to implement interim rates, subject to refund, in June 2023, and has requested permanent rates be effective by October 1, 2023.

Testimony was filed by various parties on March 27, 2023, and Duke Energy Progress rebuttal testimony was filed on April 14, 2023. On April 26, 2023, Duke Energy Progress filed a partial settlement with Public Staff, which includes agreement on many aspects of Duke Energy Progress' three-year MYRP proposal. In May 2023, the Carolina Industrial Group for Fair Utility Rates II joined this partial settlement and the parties filed a separate settlement reaching agreement on PIMs, Tracking Metrics and the residential decoupling mechanism under the PBR Application. The settlement agreements are subject to the review and approval of the NCUC. Evidentiary hearings began on May 4, 2023. The key unsettled issues to be litigated in the hearing include the return on equity, capital structure, recovery of the COVID-19 cost deferral and treatment of certain regulatory asset and liability amortizations. Duke Energy Progress' proposed revenue requirement in the case as adjusted for supplemental updates and the partial settlement is $320 million in Year 1, $127 million in Year 2 and $140 million in Year 3, for a combined total of $587 million or 15% by late 2025. Duke Energy Progress cannot predict the outcome of this matter.

2022 South Carolina Rate Case

On September 1, 2022, Duke Energy Progress filed an application with the PSCSC to request an increase in base rate retail revenues. On January 12, 2023, Duke Energy Progress and the ORS, as well as other consumer, environmental, and industrial intervening parties, filed a comprehensive Agreement and Stipulation of Settlement resolving all issues in the base rate proceeding. The major components of the stipulation include:

- A $52 million annual customer rate increase prior to the reduction from the accelerated return to customers of federal unprotected Property, Plant and Equipment related EDIT. After extending the remaining EDIT giveback to customers to 33 months, the net annual retail rate increase is approximately $36 million.
- ROE of 9.6% based on a capital structure of 52.43% equity and 47.57% debt.
- Continuation of deferral treatment of coal ash basin closure costs. Supports an amortization period for remaining coal ash closure costs in this rate case of seven years. Duke Energy Progress agreed not to seek recovery of approximately $50 million of deferred coal ash expenditures related to retired sites in this rate case (South Carolina retail allocation).
- Accepts the 2021 Depreciation Study as proposed in this case, as adjusted for certain recommendations from ORS and includes accelerated retirement dates for certain coal units as originally proposed.
- Establishment of a storm reserve to help offset the costs of major storms.

The PSCSC held a hearing on January 17, 2023, to consider evidence supporting the stipulation and unanimously voted to approve the comprehensive agreement on February 9, 2023. A final written order was issued on March 8, 2023. New rates went into effect April 1, 2023.

Duke Energy Florida

2021 Settlement Agreement

On January 14, 2021, Duke Energy Florida filed a Settlement Agreement (the “2021 Settlement”) with the FPSC. The parties to the 2021 Settlement include Duke Energy Florida, the Office of Public Counsel (OPC), the Florida Industrial Power Users Group, White Springs Agricultural Chemicals, Inc. d/b/a PCS Phosphate and NUCOR Steel Florida, Inc. (collectively, the “Parties”).

Pursuant to the 2021 Settlement, the Parties agreed to a base rate stay-out provision that expires year-end 2024; however, Duke Energy Florida is allowed an increase to its base rates of an incremental $67 million in 2022, $49 million in 2023 and $79 million in 2024, subject to adjustment in the event of tax reform during the years 2021, 2022 and 2023. The Parties also agreed to an ROE band of 8.85% to 10.85% with a midpoint of 9.85% based on a capital structure of 53% equity and 47% debt. The ROE band can be increased by 25 basis points if the average 30-year U.S. Treasury rate increases 50 basis points or more over a six-month period in which case the midpoint ROE would rise from 9.85% to 10.10%. On July 25, 2022, this provision was triggered. Duke Energy Florida filed a petition with the FPSC on August 12, 2022, to increase the ROE effective August 2022 with a base rate increase effective January 1, 2023. The FPSC approved this request on October 4, 2022. The 2021 Settlement Agreement also provided that Duke Energy Florida will be able to retain $173 million of the expected Department of Energy (DOE) award from its lawsuit to recover spent nuclear fuel to mitigate customer rates over the term of the 2021 Settlement. In return, Duke Energy Florida is permitted to recognize the $173 million into earnings through the approved settlement period. Duke Energy Florida settled the DOE lawsuit and received payment of approximately $180 million on June 15, 2022, of which the retail portion was approximately $154 million. The 2021 Settlement authorizes Duke Energy Florida to collect the difference between $173 million and the $154 million retail portion of the amount received through the capacity cost recovery clause. As of March 31, 2023, Duke Energy Florida has recognized $54 million into earnings. The remaining $119 million is expected to be recognized over the remainder of 2023 and 2024, while also remaining within the approved return on equity band.

The 2021 Settlement also contained a provision to recover or flow back the effects of tax law changes. As a result of the IRA enacted on August 16, 2022, Duke Energy Florida is eligible for PTCs associated with solar facilities placed in service beginning in January 2022. Duke Energy Florida filed a petition with the FPSC on October 17, 2022, to reduce base rates effective January 1, 2023, by $56 million to flow back the expected 2023 PTCs and to flow back the expected 2022 PTCs via an adjustment to the capacity cost recovery clause. On December 14, 2022, the FPSC issued an order approving Duke Energy Florida's petition.

In addition to these terms, the 2021 Settlement contained provisions related to the accelerated depreciation of Crystal River Units 4-5, the approval of approximately $1 billion in future investments in new cost-effective solar power, the implementation of a new Electric Vehicle Charging Station Program and the deferral and recovery of costs in connection with the implementation of Duke Energy Florida’s Vision Florida program, which explores various emerging non-carbon emitting generation technology, distributed technologies and resiliency projects, among other things. The 2021 Settlement also resolved remaining unrecovered storm costs for Hurricane Michael and Hurricane Dorian.

The FPSC approved the 2021 Settlement on May 4, 2021, issuing an order on June 4, 2021. Revised customer rates became effective January 1, 2022, with subsequent base rate increases effective January 1, 2023, and January 1, 2024.

Clean Energy Connection

On July 1, 2020, Duke Energy Florida petitioned the FPSC for approval of a voluntary solar program. The program consists of 10 new solar generating facilities with combined capacity of approximately 750 MW. The program allows participants to support cost-effective solar development in Florida by paying a subscription fee based on per kilowatt subscriptions and receiving a credit on their bill based on the actual generation associated with their portion of the solar portfolio. The estimated cost of the 10 new solar generation facilities is approximately $1 billion and the projects are expected to be completed by the end of 2024. This investment will be included in base rates offset by the revenue from the subscription fees and the credits will be included for recovery in the fuel cost recovery clause. The FPSC approved the program in January 2021.

On February 24, 2021, the League of United Latin American Citizens (LULAC) filed a notice of appeal of the FPSC's order approving the Clean Energy Connection to the Supreme Court of Florida. The Supreme Court of Florida heard oral arguments in the appeal on February 9, 2022. On May 27, 2022, the Supreme Court of Florida issued an order remanding the case to the FPSC so that the FPSC can amend its order to better address some of the arguments raised by LULAC. On September 23, 2022, the FPSC issued a revised order and submitted it on September 26, 2022, to the Supreme Court of Florida. The Supreme Court of Florida requested that the parties file supplemental briefs regarding the revised order, which were filed February 6, 2023. LULAC has filed a request for Oral Argument on the issues discussed in the supplemental briefs, but the Court has yet to rule on that request. The FPSC approval order remains in effect pending the outcome of the appeal. Duke Energy Florida cannot predict the outcome of this matter.

Storm Protection Plan

On April 11, 2022, Duke Energy Florida filed a Storm Protection Plan for approval with the FPSC. The plan, which covers investments for the 2023-2032 time frame, reflects approximately $7 billion of capital investment in transmission and distribution meant to strengthen its infrastructure, reduce outage times associated with extreme weather events, reduce restoration costs and improve overall service reliability. The evidentiary hearing began on August 2, 2022. On October 4, 2022, the FPSC voted to approve Duke Energy Florida's plan with one modification to remove the transmission loop radially fed program, representing a reduction of approximately $80 million over the 10-year period starting in 2025. On December 9, 2022, the Office of Public Counsel filed a notice of appeal of this order to the Florida Supreme Court. The Office of Public Counsel's initial brief was filed on April 18, 2023. Duke Energy Florida cannot predict the outcome of this matter.

Hurricane Ian

On September 28, 2022, much of Duke Energy Florida's service territory was impacted by Hurricane Ian, which caused significant damage resulting in more than 1.1 million outages. Duke Energy Florida's March 31, 2023 Condensed Consolidated Balance Sheets includes an estimate of approximately $357 million in regulatory assets related to deferred Hurricane Ian storm costs consistent with the FPSC's storm rule. After depleting any existing storm reserves, which were approximately $107 million before Hurricane Ian, Duke Energy Florida is permitted to petition the FPSC for recovery of additional incremental operation and maintenance costs resulting from the storm and to replenish the retail customer storm reserve to approximately $132 million. Duke Energy Florida filed its petition for cost recovery of various storms, including Hurricane Ian, and replenishment of the storm reserve on January 23, 2023, seeking recovery of $442 million, for recovery over 12 months beginning with the first billing cycle in April 2023. On March 7, 2023, the Commission approved this request for interim recovery, subject to refund, and ordered Duke Energy Florida to file documentation of the total actual storm costs, once known. Duke Energy Florida cannot predict the outcome of this matter.

Duke Energy Ohio

Duke Energy Ohio Electric Base Rate Case

Duke Energy Ohio filed with the PUCO an electric distribution base rate case application on October 1, 2021, with supporting testimony filed on October 15, 2021, requesting an increase in electric distribution base rates of approximately $55 million and an ROE of 10.3%. On September 19, 2022, Duke Energy Ohio filed a Stipulation and Recommendation with the PUCO, which includes an increase in overall electric distribution base rates of approximately $23 million and an ROE of 9.5%. The stipulation is among all but one party to the proceeding. The PUCO issued an order on December 14, 2022, approving the Stipulation without material modification. Rates went into effect on January 3, 2023. The Ohio Consumers' Counsel (OCC) filed an application for rehearing on January 13, 2023. On February 8, 2023, the Commission granted the OCC's application for rehearing for further consideration. Duke Energy Ohio cannot predict the outcome of this matter.

Energy Efficiency Cost Recovery

In response to changes in Ohio law that eliminated Ohio's energy efficiency mandates, the PUCO issued an order on February 26, 2020, directing utilities to wind down their demand-side management programs by September 30, 2020, and to terminate the programs by December 31, 2020. Duke Energy Ohio took the following actions:

- On March 27, 2020, Duke Energy Ohio filed an application for rehearing seeking clarification on the final true up and reconciliation process after 2020. On November 18, 2020, the PUCO issued an order replacing the cost cap previously imposed upon Duke Energy Ohio with a cap on shared savings recovery. On December 18, 2020, Duke Energy Ohio filed an additional application for rehearing challenging, among other things, the imposition of the cap on shared savings. On January 13, 2021, the application for rehearing was granted for further consideration.
- On October 9, 2020, Duke Energy Ohio filed an application to implement a voluntary energy efficiency program portfolio to commence on January 1, 2021. The application proposed a mechanism for recovery of program costs and a benefit associated with avoided transmission and distribution costs. This application remains under review.
- On November 18, 2020, the PUCO issued an order directing all utilities to set their energy efficiency riders to zero effective January 1, 2021, and to file a separate application for final reconciliation of all energy efficiency costs prior to December 31, 2020. Effective January 1, 2021, Duke Energy Ohio suspended its energy efficiency programs.

- On June 14, 2021, the PUCO requested each utility to file by July 15, 2021, a proposal to reestablish low-income programs through December 31, 2021. Duke Energy Ohio filed its application on July 14, 2021.
- On February 23, 2022, the PUCO issued its Fifth Entry on Rehearing that 1) affirmed its reduction in Duke Energy Ohio's shared savings cap; 2) denied rehearing/clarification regarding lost distribution revenues and shared savings recovery for periods after December 31, 2020; and 3) directed Duke Energy Ohio to submit an updated application with exhibits. On March 25, 2022, Duke Energy Ohio filed its Amended Application consistent with the PUCO's order.
- On March 17, 2023, the Staff of the Public Utilities Commission of Ohio submitted its Staff Review and Recommendation. This Staff Report, like prior such reports, recommends certain disallowances related to incentives.
- On March 27, 2023, the Commission established a procedural schedule. Intervention/comments were filed on April 26, 2023, and reply comments are due by May 11, 2023.

Duke Energy Ohio cannot predict the outcome of this matter.

Duke Energy Ohio Natural Gas Base Rate Case

Duke Energy Ohio filed with the PUCO a natural gas base rate case application on June 30, 2022, with supporting testimony filed on July 14, 2022, requesting an increase in natural gas base rates of approximately $49 million and an ROE of 10.3%. This is an approximate 5.6% average increase in the customer's total bill across all customer classes. The drivers for this case are capital invested since Duke Energy Ohio's last natural gas base rate case in 2012. Duke Energy Ohio is also seeking to adjust the caps on its CEP Rider. The Staff of the PUCO (Staff) report was issued on December 21, 2022, recommending an increase in natural gas base rates of $24 million to $36 million, with an equity ratio of 52.32% and an ROE range of 9.03% to 10.04%. On April 28, 2023, Duke Energy Ohio filed a stipulation with all parties to the case except the OCC. In the stipulation, the parties agreed to approximately $32 million in revenue increases with an equity ratio of 52.32% and an ROE of 9.6%, and adjustments to the CEP Rider caps. The evidentiary hearing is scheduled to begin on May 23, 2023. Duke Energy Ohio cannot predict the outcome of this matter.

Duke Energy Kentucky Electric Base Rate Case

On December 1, 2022, Duke Energy Kentucky filed a rate case with the KPSC requesting an annualized increase in electric base rates of approximately $75 million and an ROE of 10.35%. This is an overall increase in rates of approximately 17.8%. The request for rate increase is driven by capital investments to strengthen the electricity generation and delivery systems along with adjusted depreciation rates for the East Bend and Woodsdale generation stations to support the energy transition. Duke Energy Kentucky is also requesting new programs and tariff updates, including a voluntary community-based renewable subscription program and two EV charging programs. Intervenor testimony was filed March 10, 2023, and rebuttal testimony was filed April 14, 2023. The Kentucky Attorney General recommended an increase of $31 million and an ROE of 9.55%. An evidentiary hearing will begin May 9, 2023. New rates are anticipated to go into effect around July 15, 2023. Duke Energy Kentucky cannot predict the outcome of this matter.

Duke Energy Indiana

2019 Indiana Rate Case

On July 2, 2019, Duke Energy Indiana filed a general rate case with the IURC for a rate increase for retail customers of approximately $395 million. The rebuttal case, filed on December 4, 2019, updated the requested revenue requirement to result in a 15.6% or $396 million average retail rate increase, including the impacts of the utility receipts tax. On June 29, 2020, the IURC issued an order in the rate case approving a revenue increase of $146 million before certain adjustments and ratemaking refinements. The order approved Duke Energy Indiana’s requested forecasted rate base of $10.2 billion as of December 31, 2020, including the Edwardsport Integrated Gasification Combined Cycle (IGCC) Plant. The IURC reduced Duke Energy Indiana’s request by slightly more than $200 million, when accounting for the utility receipts tax and other adjustments. Approximately 50% of the reduction was due to a prospective change in depreciation and use of regulatory asset for the end-of-life inventory at retired generating plants, approximately 20% was due to the approved ROE of 9.7% versus the requested ROE of 10.4% and approximately 20% was related to miscellaneous earnings neutral adjustments. Step one rates were estimated to be approximately 75% of the total and became effective on July 30, 2020. Step two rates estimated to be the remaining 25% of the total rate increase were approved on July 28, 2021, and implemented in August 2021.

Several groups appealed the IURC order to the Indiana Court of Appeals. The Indiana Court of Appeals affirmed the IURC decision on May 13, 2021. However, upon appeal by the Indiana Office of Utility Consumer Counselor (OUCC) and the Duke Industrial Group on March 10, 2022, the Indiana Supreme Court found that the IURC erred in allowing Duke Energy Indiana to recover coal ash costs incurred before the IURC’s rate case order in June 2020. The Indiana Supreme Court found that allowing Duke Energy Indiana to recover coal ash costs incurred between rate cases that exceeded the amount built into base rates violated the prohibition against retroactive ratemaking. The IURC’s order has been remanded to the IURC for additional proceedings consistent with the Indiana Supreme Court’s opinion. As a result of the court's opinion, Duke Energy Indiana recognized pretax charges of approximately $211 million to Impairment of assets and other charges and $46 million to Operating revenues in the Condensed Consolidated Statements of Operations for the three months ended March 31, 2022. Duke Energy Indiana filed a request for rehearing with the Supreme Court on April 11, 2022, which the court denied on May 26, 2022. Duke Energy Indiana filed its testimony in the remand proceeding on August 18, 2022. On February 3, 2023, Duke Energy Indiana filed a settlement agreement reached with the OUCC and Duke Industrial Group, which includes an agreed amount of approximately $70 million of refunds to be paid to customers. The IURC approved this settlement agreement in its entirety on April 12, 2023.

2020 Indiana Coal Ash Recovery Case

In Duke Energy Indiana's 2019 rate case, the IURC also opened a subdocket for post-2018 coal ash related expenditures. Duke Energy Indiana filed testimony on April 15, 2020, in the coal ash subdocket requesting recovery for the post-2018 coal ash basin closure costs for plans that have been approved by the Indiana Department of Environmental Management (IDEM) as well as continuing deferral, with carrying costs, on the balance. An evidentiary hearing was held on September 14, 2020. Briefing was completed by mid-September 2021. On November 3, 2021, the IURC issued an order allowing recovery for post-2018 coal ash basin closure costs for the plans that have been approved by IDEM, as well as continuing deferral, with carrying costs, on the balance. The OUCC and the Duke Industrial Group appealed. The Indiana Court of Appeals issued its opinion on February 21, 2023, reversing the IURC's order to the extent that it allowed Duke Energy Indiana to recover federally mandated costs incurred prior to the IURC's November 3, 2021 order. In addition, the court found that any costs incurred pre-petition to determine federally mandated compliance options were not specifically authorized by the statute and should also be disallowed. As a result of the Court's opinion, Duke Energy Indiana recognized a pretax charge of approximately $175 million to Impairment of assets and other charges for the year ended December 31, 2022. After the passage of Senate Enrolled Act 9, which amended the federal mandate statute to make clear that costs incurred pre-order are recoverable, Duke Energy Indiana filed a petition for rehearing with the Indiana Court of Appeals, which was denied on April 27, 2023. Duke Energy Indiana is evaluating whether to file a petition to transfer the case to the Indiana Supreme Court. Duke Energy Indiana cannot predict the outcome of this matter.

TDSIC 2.0

On November 23, 2021, Duke Energy Indiana filed for approval of the Transmission, Distribution, Storage Improvement Charge 2.0 investment plan for 2023-2028 (TDSIC 2.0). On June 15, 2022, the IURC approved, without modification, TDSIC 2.0, which includes approximately $2 billion in transmission and distribution investments selected to improve customer reliability, harden and improve resiliency of the grid, enable expansion of renewable and distributed energy projects and encourage economic development. In addition, the IURC set up a subdocket to consider the targeted economic development project, which the IURC approved on March 2, 2022. On July 15, 2022, the OUCC filed a notice of appeal to the Indiana Court of Appeals in Duke Energy Indiana's TDSIC 2.0 proceeding. An appellant brief was filed on October 28, 2022, and Duke Energy Indiana filed its responsive brief on December 28, 2022. The Indiana Court of Appeals issued its opinion on March 9, 2023, affirming the Commission's order in its entirety. The Duke Industrial Group filed a petition to transfer to the Indiana Supreme Court. Duke Energy Indiana filed its opposition to transfer on April 11, 2023. Duke Energy Indiana cannot predict the outcome of this matter.

Piedmont

Tennessee Annual Review Mechanism

On October 10, 2022, the TPUC approved Piedmont's petition to adopt an Annual Review Mechanism (ARM) as allowed by Tennessee law. Under the ARM, Piedmont will adjust rates annually to achieve its allowed 9.80% ROE over the upcoming year and to true up any variance between its allowed ROE and actual ROE from the prior calendar year. The initial year subject to the true up is 2022, and the initial rate adjustments request will be filed in May 2023 for rates effective October 1, 2023.

5. COMMITMENTS AND CONTINGENCIES

ENVIRONMENTAL

The Duke Energy Registrants are subject to federal, state and local regulations regarding air and water quality, hazardous and solid waste disposal, coal ash and other environmental matters. These regulations can be changed from time to time, imposing new obligations on the Duke Energy Registrants. The following environmental matters impact all Duke Energy Registrants.

Remediation Activities

In addition to AROs recorded as a result of various environmental regulations, the Duke Energy Registrants are responsible for environmental remediation at various sites. These include certain properties that are part of ongoing operations and sites formerly owned or used by Duke Energy entities. These sites are in various stages of investigation, remediation and monitoring. Managed in conjunction with relevant federal, state and local agencies, remediation activities vary based on site conditions and location, remediation requirements, complexity and sharing of responsibility. If remediation activities involve joint and several liability provisions, strict liability, or cost recovery or contribution actions, the Duke Energy Registrants could potentially be held responsible for environmental impacts caused by other potentially responsible parties and may also benefit from insurance policies or contractual indemnities that cover some or all cleanup costs. Liabilities are recorded when losses become probable and are reasonably estimable. The total costs that may be incurred cannot be estimated because the extent of environmental impact, allocation among potentially responsible parties, remediation alternatives and/or regulatory decisions have not yet been determined at all sites. Additional costs associated with remediation activities are likely to be incurred in the future and could be significant. Costs are typically expensed as Operation, maintenance and other on the Condensed Consolidated Statements of Operations unless regulatory recovery of the costs is deemed probable.

The following table contains information regarding reserves for probable and estimable costs related to the various environmental sites. These reserves are recorded in Other within Other Noncurrent Liabilities on the Condensed Consolidated Balance Sheets.

(in millions)	March 31, 2023	December 31, 2022
Reserves for Environmental Remediation		
Duke Energy	$ **86**	$ 84
Duke Energy Carolinas	**23**	22
Progress Energy	**20**	19
Duke Energy Progress	**9**	8
Duke Energy Florida	**11**	11
Duke Energy Ohio	**33**	33
Duke Energy Indiana	**3**	3
Piedmont	**7**	7

Additional losses in excess of recorded reserves that could be incurred for the stages of investigation, remediation and monitoring for environmental sites that have been evaluated at this time are not material.

LITIGATION

Duke Energy

Texas Storm Uri Tort Litigation

Duke Energy (Parent) and several Duke Energy renewables project companies in the ERCOT market were named in several lawsuits arising out of Texas Storm Uri, which occurred in February 2021. Duke Energy (Parent) was dismissed from the suits, leaving two suits in which individual wind and solar projects are named. These lawsuits seek recovery for property damages, personal injury and wrongful death allegedly caused by the power outages that plaintiffs claim were the collective failure of generators, transmission and distribution operators, retail energy providers, and all others, including ERCOT. The cases were consolidated into a Texas state court multidistrict litigation (MDL) proceeding for discovery and pre-trial motions. Five MDL cases were designated as lead cases in which motions to dismiss were filed and all other cases were stayed. On January 28, 2023, the Court denied certain motions including those by the generator defendants and granted others. Defendants filed a petition for Writ of Mandamus to the Texas Court of Appeals seeking to overturn the denials, which is fully briefed and pending a decision from the Texas Court of Appeals. Since the ruling on the motion to dismiss, plaintiffs have served a number of new lawsuits on Duke Energy (Parent), Duke Energy Renewables, LLC, and several Duke Energy renewable entities. These new lawsuits are being included in the MDL proceeding and are currently stayed. Duke Energy cannot predict the outcomes of these matters. See Note 2 for more information related to the sale of the Commercial Renewables Disposal Groups.

Duke Energy Carolinas

Ruben Villano, et al. v. Duke Energy Carolinas, LLC

On June 16, 2021, a group of nine individuals went over a low head dam adjacent to the Dan River Steam Station in Eden, North Carolina, while water tubing. Emergency personnel rescued four people and five others were confirmed deceased. On August 11, 2021, Duke Energy Carolinas was served with the complaint filed in Durham County Superior Court on behalf of four survivors, which was later amended to include all the decedents along with the survivors. The lawsuit alleges that Duke Energy Carolinas knew that the river was used for recreational purposes, did not adequately warn about the dam, and created a dangerous and hidden hazard on the Dan River by building and maintaining the low-head dam. Duke Energy Carolinas has reached an agreement in principle that will resolve this matter to the parties' mutual satisfaction. The resolution, which is not expected to have a material financial impact, is subject to court approval by the Durham County Superior Court. Duke Energy Carolinas cannot predict the outcome of this matter.

NTE Carolinas II, LLC Litigation

In November 2017, Duke Energy Carolinas entered into a standard FERC large generator interconnection agreement (LGIA) with NTE Carolinas II, LLC (NTE), a company that proposed to build a combined-cycle natural gas plant in Rockingham County, North Carolina. On September 6, 2019, Duke Energy Carolinas filed a lawsuit in Mecklenburg County Superior Court against NTE for breach of contract, alleging that NTE's failure to pay benchmark payments for Duke Energy Carolinas' transmission system upgrades required under the interconnection agreement constituted a termination of the interconnection agreement. Duke Energy Carolinas sought a monetary judgment against NTE because NTE failed to make multiple milestone payments. The lawsuit was moved to federal court in North Carolina. NTE filed a motion to dismiss Duke Energy Carolinas' complaint and brought counterclaims alleging anti-competitive conduct and violations of state and federal statutes. Duke Energy Carolinas filed a motion to dismiss NTE's counterclaims. Both NTE's and Duke Energy Carolinas' motions to dismiss were subsequently denied by the court.

On May 21, 2020, in response to a NTE petition challenging Duke Energy Carolinas' termination of the LGIA, FERC issued a ruling that 1) it has exclusive jurisdiction to determine whether a transmission provider may terminate a LGIA; 2) FERC approval is required to terminate a conforming LGIA if objected to by the interconnection customer; and 3) Duke Energy may not announce the termination of a conforming LGIA unless FERC has approved the termination. FERC's Office of Enforcement also initiated an investigation of Duke Energy Carolinas into matters pertaining to the LGIA. On April 6, 2023, Duke Energy Carolinas received notice from the FERC Office of Enforcement that they have closed their non-public investigation with no further action recommended.

Following completion of discovery, Duke Energy Carolinas filed a motion for summary judgment seeking a ruling in its favor as to some of its affirmative claims against NTE and to all of NTE's counterclaims. On June 24, 2022, the court issued an order partially granting Duke Energy Carolinas' motion by dismissing NTE's counterclaims that Duke Energy Carolinas engaged in anti-competitive behavior in violation of state and federal statutes. On October 12, 2022, the parties executed a settlement agreement with respect to the remaining breach of contract claims in the litigation and a Stipulation of Dismissal was filed with the court on October 13, 2022. On November 11, 2022, NTE filed its Notice of Appeal to the U.S. Court of Appeals for the Fourth Circuit as to the District Court's summary judgment ruling in Duke Energy Carolinas' favor on NTE's antitrust and unfair competition claims. Briefing on NTE's appeal will be completed on June 2, 2023. Duke Energy Carolinas cannot predict the outcome of this matter.

Asbestos-related Injuries and Damages Claims

Duke Energy Carolinas has experienced numerous claims for indemnification and medical cost reimbursement related to asbestos exposure. These claims relate to damages for bodily injuries alleged to have arisen from exposure to or use of asbestos in connection with construction and maintenance activities conducted on its electric generation plants prior to 1985.

Duke Energy Carolinas has recognized asbestos-related reserves of $451 million at March 31, 2023, and $457 million at December 31, 2022. These reserves are classified in Other within Other Noncurrent Liabilities and Other within Current Liabilities on the Condensed Consolidated Balance Sheets. These reserves are based on Duke Energy Carolinas' best estimate for current and future asbestos claims through 2042 and are recorded on an undiscounted basis. In light of the uncertainties inherent in a longer-term forecast, management does not believe they can reasonably estimate the indemnity and medical costs that might be incurred after 2042 related to such potential claims. It is possible Duke Energy Carolinas may incur asbestos liabilities in excess of the recorded reserves.

Duke Energy Carolinas has third-party insurance to cover certain losses related to asbestos-related injuries and damages above an aggregate self-insured retention. Receivables for insurance recoveries were $595 million at March 31, 2023, and at December 31, 2022. These amounts are classified in Other within Other Noncurrent Assets and Receivables within Current Assets on the Condensed Consolidated Balance Sheets. Any future payments up to the policy limit will be reimbursed by the third-party insurance carrier. Duke Energy Carolinas is not aware of any uncertainties regarding the legal sufficiency of insurance claims. Duke Energy Carolinas believes the insurance recovery asset is probable of recovery as the insurance carrier continues to have a strong financial strength rating.

The reserve for credit losses for insurance receivables is $12 million for Duke Energy and Duke Energy Carolinas as of March 31, 2023, and December 31, 2022. The insurance receivable is evaluated based on the risk of default and the historical losses, current conditions and expected conditions around collectability. Management evaluates the risk of default annually based on payment history, credit rating and changes in the risk of default from credit agencies.

Duke Energy Indiana

Coal Ash Insurance Coverage Litigation

In June 2022, Duke Energy Indiana filed a civil action in Indiana Superior Court against various insurance companies seeking declaratory relief with respect to insurance coverage for coal combustion residuals-related expenses and liabilities covered by third-party liability insurance policies. The insurance policies cover the 1969-1972 and 1984-1985 periods and provide third-party liability insurance for claims and suits alleging property damage, bodily injury and personal injury (or a combination thereof). A trial date has not yet been set. Duke Energy Indiana cannot predict the outcome of this matter.

Other Litigation and Legal Proceedings

The Duke Energy Registrants are involved in other legal, tax and regulatory proceedings arising in the ordinary course of business, some of which involve significant amounts. The Duke Energy Registrants believe the final disposition of these proceedings will not have a material effect on their results of operations, cash flows or financial position. Reserves are classified on the Condensed Consolidated Balance Sheets in Other within Other Noncurrent Liabilities and Other within Current Liabilities.

OTHER COMMITMENTS AND CONTINGENCIES

General

As part of their normal business, the Duke Energy Registrants are party to various financial guarantees, performance guarantees and other contractual commitments to extend guarantees of credit and other assistance to various subsidiaries, investees and other third parties. These guarantees involve elements of performance and credit risk, which are not fully recognized on the Condensed Consolidated Balance Sheets and have uncapped maximum potential payments. However, the Duke Energy Registrants do not believe these guarantees will have a material effect on their results of operations, cash flows or financial position.

In addition, the Duke Energy Registrants enter into various fixed-price, noncancelable commitments to purchase or sell power or natural gas, take-or-pay arrangements, transportation, or throughput agreements and other contracts that may or may not be recognized on their respective Condensed Consolidated Balance Sheets. Some of these arrangements may be recognized at fair value on their respective Condensed Consolidated Balance Sheets if such contracts meet the definition of a derivative and the NPNS exception does not apply. In most cases, the Duke Energy Registrants' purchase obligation contracts contain provisions for price adjustments, minimum purchase levels and other financial commitments.

6. DEBT AND CREDIT FACILITIES

Debt related to the Commercial Renewables Disposal Groups is now classified as held for sale and is excluded from the following disclosures. See Note 2 for further information.

SUMMARY OF SIGNIFICANT DEBT ISSUANCES

The following table summarizes significant debt issuances (in millions).

			Three Months Ended March 31, 2023				
Issuance Date	Maturity Date	Interest Rate	Duke Energy	Duke Energy Carolinas	Duke Energy Progress	Duke Energy Ohio	Duke Energy Indiana
First Mortgage Bonds							
January 2023[(a)]	January 2033	4.95 %	$ **900**	$ **900**	$ **—**	$ **—**	$ **—**
January 2023[(a)]	January 2053	5.35 %	**900**	**900**	**—**	**—**	**—**
March 2023[(b)]	March 2033	5.25 %	**500**	**—**	**500**	**—**	**—**
March 2023[(b)]	March 2053	5.35 %	**500**	**—**	**500**	**—**	**—**
March 2023[(c)]	April 2033	5.25 %	**375**	**—**	**—**	**375**	**—**
March 2023[(c)]	April 2053	5.65 %	**375**	**—**	**—**	**375**	**—**
March 2023[(d)]	April 2053	5.40 %	**500**	**—**	**—**	**—**	**500**
Total issuances			$ **4,050**	$ **1,800**	$ **1,000**	$ **750**	$ **500**

(a) Proceeds were used to repay $1 billion of maturities due March 2023, to pay down a portion of short-term debt and for general company purposes.
(b) Proceeds will be used to repay $300 million of maturities due September 2023, to pay down a portion of short-term debt and for general company purposes.
(c) Proceeds will be used to repay $300 million of maturities due September 2023 and a portion of the $100 million term loan due October 2023. Remaining proceeds will be used to repay a portion of short-term debt and for general corporate purposes.
(d) Proceeds were used to repay the $300 million term loan due October 2023. Remaining proceeds will be used to repay a portion of short-term debt and for general company purposes.

Duke Energy (Parent) Convertible Senior Notes

In April 2023, Duke Energy (Parent) completed the sale of $1.7 billion 4.125% Convertible Senior Notes due April 2026 (convertible notes). The convertible notes will be senior unsecured obligations of Duke Energy, and will mature on April 15, 2026, unless earlier converted or repurchased in accordance with their terms. The convertible notes will bear interest at a fixed rate of 4.125% per year, payable semiannually in arrears on April 15 and October 15 of each year, beginning on October 15, 2023. Proceeds will be used to repay a portion of outstanding commercial paper and for general corporate purposes.

Prior to the close of business on the business day immediately preceding January 15, 2026, the convertible notes will be convertible at the option of the holders only under certain conditions. On or after January 15, 2026, until the close of business on the second scheduled trading day immediately preceding the maturity date, holders of the convertible notes may convert all or any portion of their convertible notes at their option at any time at the conversion rate then in effect, irrespective of these conditions. Duke Energy will settle conversions of the convertible notes by paying cash up to the aggregate principal amount of the convertible notes to be converted and paying or delivering, as the case may be, cash, shares of Duke Energy's common stock, $0.001 par value per share, or a combination of cash and shares of its common stock, at its election, in respect of the remainder, if any, of its conversion obligation in excess of the aggregate principal amount of the convertible notes being converted.

The conversion rate for the convertible notes will initially be 8.4131 shares of Duke Energy's common stock per $1,000 principal amount of convertible notes. The initial conversion price of the convertible notes represents a premium of approximately 25% over the last reported sale price of Duke Energy’s common stock on the NYSE on April 3, 2023. The conversion rate and the corresponding conversion price will be subject to adjustment in some events but will not be adjusted for any accrued and unpaid interest. Duke Energy may not redeem the convertible notes prior to the maturity date.

Duke Energy issued the convertible notes pursuant to an indenture, dated as of April 6, 2023, by and between Duke Energy and The Bank of New York Mellon Trust Company, N.A., as trustee. The terms of the convertible notes include customary fundamental change provisions that require repayment of the notes with interest upon certain events, such as a stockholder approved plan of liquidation or if Duke Energy's common stock ceases to be listed on the NYSE.

CURRENT MATURITIES OF LONG-TERM DEBT

The following table shows the significant components of Current maturities of long-term debt on the Condensed Consolidated Balance Sheets. The Duke Energy Registrants currently anticipate satisfying these obligations with cash on hand and proceeds from additional borrowings.

(in millions)	Maturity Date	Interest Rate	March 31, 2023
Unsecured Debt			
Duke Energy (Parent)	April 2023	2.875 %	$ 350
Duke Energy (Parent)[a]	June 2023	4.631 %	500
Duke Energy (Parent)	October 2023	3.950 %	400
Duke Energy (Parent) Term Loan Facility[a]	March 2024	5.385 %	1,000
Duke Energy Ohio[a]	October 2023	4.879 %	150
First Mortgage Bonds			
Duke Energy Progress	September 2023	3.375 %	300
Duke Energy Ohio	September 2023	3.800 %	300
Other[b]			330
Current maturities of long-term debt			$ 3,330

(a) Debt has a floating interest rate.
(b) Includes finance lease obligations, amortizing debt, tax-exempt bonds with mandatory put options and small bullet maturities.

AVAILABLE CREDIT FACILITIES

Master Credit Facility

In March 2023, Duke Energy amended its existing Master Credit Facility of $9 billion to extend the termination date to March 2028. The Duke Energy Registrants, excluding Progress Energy, have borrowing capacity under the Master Credit Facility up to a specified sublimit for each borrower. Duke Energy has the unilateral ability at any time to increase or decrease the borrowing sublimits of each borrower, subject to a maximum sublimit for each borrower. The amount available under the Master Credit Facility has been reduced to backstop issuances of commercial paper, certain letters of credit and variable-rate demand tax-exempt bonds that may be put to the Duke Energy Registrants at the option of the holder. An amendment in conjunction with the issuance of the Convertible Senior Notes due April 2026 clarifies that payments due as a result of a conversion of a convertible note would not constitute an event of default.

The table below includes the current borrowing sublimits and available capacity under these credit facilities.

	March 31, 2023							
(in millions)	Duke Energy	Duke Energy (Parent)	Duke Energy Carolinas	Duke Energy Progress	Duke Energy Florida	Duke Energy Ohio	Duke Energy Indiana	Piedmont
Facility size[a]	$ 9,000	$ 2,275	$ 2,025	$ 900	$ 1,350	$ 700	$ 950	$ 800
Reduction to backstop issuances								
Commercial paper[b]	(3,452)	(494)	(1,310)	(150)	(776)	(93)	(328)	(301)
Outstanding letters of credit	(39)	(27)	(4)	(1)	(7)	—	—	—
Tax-exempt bonds	(81)	—	—	—	—	—	(81)	—
Available capacity under the Master Credit Facility	$ 5,428	$ 1,754	$ 711	$ 749	$ 567	$ 607	$ 541	$ 499

(a) Represents the sublimit of each borrower.
(b) Duke Energy issued $625 million of commercial paper and loaned the proceeds through the money pool to Duke Energy Carolinas, Duke Energy Progress, Duke Energy Ohio and Duke Energy Indiana. The balances are classified as Long-Term Debt Payable to Affiliated Companies on the Condensed Consolidated Balance Sheets.

Other Credit Facilities

Duke Energy (Parent) Term Loan Facility

In March 2022, Duke Energy (Parent) entered into a Term Loan Credit Agreement (Credit Agreement) with commitments totaling $1.4 billion maturing March 2024. The maturity date of the Credit Agreement may be extended for up to two years by request of Duke Energy (Parent), upon satisfaction of certain conditions contained in the Credit Agreement. Borrowings under the facility were used to repay amounts drawn under the Three-Year Revolving Credit Facility and for general corporate purposes, including repayment of a portion of Duke Energy's outstanding commercial paper. The balance is classified as Current maturities of long-term debt on Duke Energy's Condensed Consolidated Balance Sheets.

In March 2023, Duke Energy amended its existing Credit Agreement in conjunction with the issuance of the Convertible Senior Notes due April 2026 to clarify that payments due as a result of a conversion of a convertible note would not constitute an event of default.

7. GOODWILL

Duke Energy

Duke Energy's Goodwill balance of $19.3 billion is allocated $17.4 billion to EU&I and $1.9 billion to GU&I on Duke Energy's Condensed Consolidated Balance Sheets at March 31, 2023, and December 31, 2022. There are no accumulated impairment charges.

Duke Energy Ohio

Duke Energy Ohio's Goodwill balance of $920 million, allocated $596 million to EU&I and $324 million to GU&I, is presented net of accumulated impairment charges of $216 million on the Condensed Consolidated Balance Sheets at March 31, 2023, and December 31, 2022.

Progress Energy

Progress Energy's Goodwill is included in the EU&I segment and there are no accumulated impairment charges.

Piedmont

Piedmont's Goodwill is included in the GU&I segment and there are no accumulated impairment charges.

8. RELATED PARTY TRANSACTIONS

The Subsidiary Registrants engage in related party transactions in accordance with applicable state and federal commission regulations. Refer to the Condensed Consolidated Balance Sheets of the Subsidiary Registrants for balances due to or due from related parties. Material amounts related to transactions with related parties included on the Condensed Consolidated Statements of Operations and Comprehensive Income are presented in the following table.

	Three Months Ended March 31,	
(in millions)	**2023**	**2022**
Duke Energy Carolinas		
Corporate governance and shared service expenses[a]	**$ 196**	$ 206
Indemnification coverages[b]	**9**	7
Joint Dispatch Agreement (JDA) revenue[c]	**13**	26
JDA expense[c]	**29**	94
Intercompany natural gas purchases[d]	**5**	13
Progress Energy		
Corporate governance and shared service expenses[a]	**$ 178**	$ 196
Indemnification coverages[b]	**12**	11
JDA revenue[c]	**29**	94
JDA expense[c]	**13**	26
Intercompany natural gas purchases[d]	**19**	19
Duke Energy Progress		
Corporate governance and shared service expenses[a]	**$ 107**	$ 119
Indemnification coverages[b]	**5**	5
JDA revenue[c]	**29**	94
JDA expense[c]	**13**	26
Intercompany natural gas purchases[d]	**19**	19
Duke Energy Florida		
Corporate governance and shared service expenses[a]	**$ 71**	$ 77
Indemnification coverages[b]	**7**	6
Duke Energy Ohio		
Corporate governance and shared service expenses[a]	**$ 73**	$ 82
Indemnification coverages[b]	**1**	1
Duke Energy Indiana		
Corporate governance and shared service expenses[a]	**$ 99**	$ 124
Indemnification coverages[b]	**2**	2
Piedmont		
Corporate governance and shared service expenses[a]	**$ 38**	$ 35
Indemnification coverages[b]	**1**	1
Intercompany natural gas sales[d]	**24**	32
Natural gas storage and transportation costs[e]	**6**	6

(a) The Subsidiary Registrants are charged their proportionate share of corporate governance and other shared services costs, primarily related to human resources, employee benefits, information technology, legal and accounting fees, as well as other third-party costs. These amounts are primarily recorded in Operation, maintenance and other and Impairment of assets and other charges on the Condensed Consolidated Statements of Operations and Comprehensive Income.
(b) The Subsidiary Registrants incur expenses related to certain indemnification coverages through Bison, Duke Energy's wholly owned captive insurance subsidiary. These expenses are recorded in Operation, maintenance and other on the Condensed Consolidated Statements of Operations and Comprehensive Income.
(c) Duke Energy Carolinas and Duke Energy Progress participate in a JDA, which allows the collective dispatch of power plants between the service territories to reduce customer rates. Revenues from the sale of power and expenses from the purchase of power pursuant to the JDA are recorded in Operating Revenues and Fuel used in electric generation and purchased power, respectively, on the Condensed Consolidated Statements of Operations and Comprehensive Income.
(d) Piedmont provides long-term natural gas delivery service to certain Duke Energy Carolinas and Duke Energy Progress natural gas-fired generation facilities. Piedmont records the sales in Operating Revenues, and Duke Energy Carolinas and Duke Energy Progress record the related purchases as a component of Fuel used in electric generation and purchased power on their respective Condensed Consolidated Statements of Operations and Comprehensive Income.
(e) Piedmont has related party transactions as a customer of its equity method investments in Pine Needle LNG Company, LLC, Hardy Storage Company, LLC and Cardinal Pipeline Company, LLC natural gas storage and transportation facilities. These expenses are included in Cost of natural gas on Piedmont's Condensed Consolidated Statements of Operations and Comprehensive Income.

In addition to the amounts presented above, the Subsidiary Registrants have other affiliate transactions, including rental of office space, participation in a money pool arrangement, other operational transactions, such as pipeline lease arrangements, and their proportionate share of certain charged expenses. These transactions of the Subsidiary Registrants are incurred in the ordinary course of business and are eliminated in consolidation.

As discussed in Note 12, certain trade receivables have been sold by Duke Energy Ohio and Duke Energy Indiana to CRC, an affiliate formed by a subsidiary of Duke Energy. The proceeds obtained from the sales of receivables are largely cash but do include a subordinated note from CRC for a portion of the purchase price.

Intercompany Income Taxes

Duke Energy and the Subsidiary Registrants file a consolidated federal income tax return and other state and jurisdictional returns. The Subsidiary Registrants have a tax sharing agreement with Duke Energy for the allocation of consolidated tax liabilities and benefits. Income taxes recorded represent amounts the Subsidiary Registrants would incur as separate C-Corporations. The following table includes the balance of intercompany income tax receivables and payables for the Subsidiary Registrants.

(in millions)	Duke Energy Carolinas	Progress Energy	Duke Energy Progress	Duke Energy Florida	Duke Energy Ohio	Duke Energy Indiana	Piedmont
March 31, 2023							
Intercompany income tax receivable	**$ —**	**$ 21**	**$ —**	**$ —**	**$ —**	**$ —**	**$ —**
Intercompany income tax payable	**—**	**—**	**2**	**30**	**15**	**24**	**38**
December 31, 2022							
Intercompany income tax receivable	$ —	$ 95	$ 36	$ 17	$ —	$ —	$ —
Intercompany income tax payable	37	—	—	—	17	18	38

9. DERIVATIVES AND HEDGING

The Duke Energy Registrants use commodity, interest rate and foreign currency contracts to manage commodity price risk, interest rate risk and foreign currency exchange rate risk. The primary use of commodity derivatives is to hedge the generation portfolio against changes in the prices of electricity and natural gas. Piedmont enters into natural gas supply contracts to provide diversification, reliability and natural gas cost benefits to its customers. Interest rate derivatives are used to manage interest rate risk associated with borrowings. Foreign currency derivatives are used to manage risk related to foreign currency exchange rates on certain issuances of debt. Derivatives related to interest rate risk for the Commercial Renewables Disposal Groups are now classified as held for sale and are excluded from the following disclosures. See Note 2 for further information.

All derivative instruments not identified as NPNS are recorded at fair value as assets or liabilities on the Condensed Consolidated Balance Sheets. Cash collateral related to derivative instruments executed under master netting arrangements is offset against the collateralized derivatives on the Condensed Consolidated Balance Sheets. The cash impacts of settled derivatives are recorded as operating activities or financing activities on the Condensed Consolidated Statements of Cash Flows consistent with the classification of the hedged transaction.

INTEREST RATE RISK

The Duke Energy Registrants are exposed to changes in interest rates as a result of their issuance or anticipated issuance of variable-rate and fixed-rate debt and commercial paper. Interest rate risk is managed by limiting variable-rate exposures to a percentage of total debt and by monitoring changes in interest rates. To manage risk associated with changes in interest rates, the Duke Energy Registrants may enter into interest rate swaps, U.S. Treasury lock agreements and other financial contracts. In anticipation of certain fixed-rate debt issuances, a series of forward-starting interest rate swaps or Treasury locks may be executed to lock in components of current market interest rates. These instruments are later terminated prior to or upon the issuance of the corresponding debt.

Cash Flow Hedges

For a derivative designated as hedging the exposure to variable cash flows of a future transaction, referred to as a cash flow hedge, the effective portion of the derivative's gain or loss is initially reported as a component of other comprehensive income and subsequently reclassified into earnings once the future transaction impacts earnings. Amounts for interest rate contracts are reclassified to earnings as interest expense over the term of the related debt. Gains and losses reclassified out of accumulated other comprehensive income (loss) for the three months ended March 31, 2023, and 2022, were not material. Duke Energy's interest rate derivatives designated as hedges include forward-starting interest rate swaps not accounted for under regulatory accounting.

Undesignated Contracts

Undesignated contracts primarily include contracts not designated as a hedge because they are accounted for under regulatory accounting or contracts that do not qualify for hedge accounting.

Duke Energy's interest rate swaps for its regulated operations employ regulatory accounting. With regulatory accounting, the mark-to-market gains or losses on the swaps are deferred as regulatory liabilities or regulatory assets, respectively. Regulatory assets and liabilities are amortized consistent with the treatment of the related costs in the ratemaking process. The accrual of interest on the swaps is recorded as Interest Expense on the Duke Energy Registrant's Condensed Consolidated Statements of Operations and Comprehensive Income.

The following tables show notional amounts of outstanding derivatives related to interest rate risk.

	March 31, 2023						
(in millions)	Duke Energy	Duke Energy Carolinas	Progress Energy	Duke Energy Progress	Duke Energy Florida	Duke Energy Indiana	Duke Energy Ohio
Cash flow hedges	$ 1,300	$ —	$ —	$ —	$ —	$ —	$ —
Undesignated contracts	2,077	800	1,050	250	800	200	27
Total notional amount	$ 3,377	$ 800	$ 1,050	$ 250	$ 800	$ 200	$ 27

	December 31, 2022						
(in millions)	Duke Energy	Duke Energy Carolinas	Progress Energy	Duke Energy Progress	Duke Energy Florida	Duke Energy Indiana	Duke Energy Ohio
Cash flow hedges	$ 500	$ —	$ —	$ —	$ —	$ —	$ —
Undesignated contracts	2,377	1,250	800	500	300	300	27
Total notional amount	$ 2,877	$ 1,250	$ 800	$ 500	$ 300	$ 300	$ 27

COMMODITY PRICE RISK

The Duke Energy Registrants are exposed to the impact of changes in the prices of electricity purchased and sold in bulk power markets and natural gas purchases, including Piedmont's natural gas supply contracts. Exposure to commodity price risk is influenced by a number of factors including the term of contracts, the liquidity of markets and delivery locations. To manage risk associated with commodity prices, the Duke Energy Registrants may enter into long-term power purchase or sales contracts and long-term natural gas supply agreements.

Undesignated Contracts

Undesignated contracts primarily include contracts not designated as a hedge because they are accounted for under regulatory accounting or contracts that do not qualify for hedge accounting.

For the Subsidiary Registrants, bulk power electricity and natural gas purchases flow through fuel adjustment clauses, formula-based contracts or other cost-sharing mechanisms. Differences between the costs included in rates and the incurred costs, including undesignated derivative contracts, are largely deferred as regulatory assets or regulatory liabilities. Piedmont policies allow for the use of financial instruments to hedge commodity price risks. The strategy and objective of these hedging programs are to use the financial instruments to reduce natural gas cost volatility for customers.

Volumes

The tables below include volumes of outstanding commodity derivatives. Amounts disclosed represent the absolute value of notional volumes of commodity contracts excluding NPNS. The Duke Energy Registrants have netted contractual amounts where offsetting purchase and sale contracts exist with identical delivery locations and times of delivery. Where all commodity positions are perfectly offset, no quantities are shown.

	March 31, 2023						
	Duke Energy	Duke Energy Carolinas	Progress Energy	Duke Energy Progress	Duke Energy Ohio	Duke Energy Indiana	Piedmont
Electricity (GWh)	5,984	—	—	—	720	5,264	—
Natural gas (millions of dekatherms)	903	311	294	294	—	8	290

	December 31, 2022						
	Duke Energy	Duke Energy Carolinas	Progress Energy	Duke Energy Progress	Duke Energy Ohio	Duke Energy Indiana	Piedmont
Electricity (GWh)	14,086	—	—	—	1,820	12,266	—
Natural gas (millions of dekatherms)	909	307	292	292	—	11	299

FOREIGN CURRENCY RISK

Duke Energy may enter into foreign currency derivatives to hedge exposure to changes in foreign currency exchange rates, such as that arising from the issuance of debt denominated in a currency other than U.S. dollars.

Fair Value Hedges

Derivatives related to existing fixed rate securities are accounted for as fair value hedges, where the derivatives' fair value gains or losses and hedged items' fair value gains or losses are both recorded directly to earnings on the same income statement line item, including foreign currency gains or losses arising from changes in the U.S. currency exchange rates. Duke Energy has elected to exclude the cross-currency basis spread from the assessment of effectiveness in the fair value hedges of its foreign currency risk and record any difference between the change in the fair value of the excluded components and the amounts recognized in earnings as a component of other comprehensive income or loss.

The following table shows Duke Energy's outstanding derivatives related to foreign currency risk at March 31, 2023.

	Pay Notional (in millions)	Pay Rate	Receive Notional (in millions)	Receive Rate	Hedge Maturity Date	Fair Value Gain (Loss)[(a)] (in millions) Three months ended March 31, 2023
Fair value hedges						
	$ 645	4.75 %	600 euros	3.10 %	June 2028	$ **5**
	537	5.31 %	500 euros	3.85 %	June 2034	**5**
Total notional amount	$ 1,182		1,100 euros			$ **10**

(a) Amounts are recorded in Other Income and expenses, net on the Condensed Consolidated Statement of Operations, which offsets an equal translation adjustment of the foreign denominated debt. See the Condensed Consolidated Statements of Comprehensive Income for amounts excluded from the assessment of effectiveness for which the difference between changes in fair value and periodic amortization is recorded.

LOCATION AND FAIR VALUE OF DERIVATIVE ASSETS AND LIABILITIES RECOGNIZED IN THE CONDENSED CONSOLIDATED BALANCE SHEETS

The following tables show the fair value and balance sheet location of derivative instruments. Although derivatives subject to master netting arrangements are netted on the Condensed Consolidated Balance Sheets, the fair values presented below are shown gross and cash collateral on the derivatives has not been netted against the fair values shown.

Derivative Assets	March 31, 2023							
(in millions)	**Duke Energy**	**Duke Energy Carolinas**	**Progress Energy**	**Duke Energy Progress**	**Duke Energy Florida**	**Duke Energy Ohio**	**Duke Energy Indiana**	**Piedmont**
Commodity Contracts								
Not Designated as Hedging Instruments								
Current	**$ 35**	**$ 12**	**$ 9**	**$ 9**	**$ —**	**$ 1**	**$ 11**	**$ 1**
Noncurrent	**140**	**67**	**73**	**73**	**—**	**—**	**—**	**—**
Total Derivative Assets – Commodity Contracts	**$ 175**	**$ 79**	**$ 82**	**$ 82**	**$ —**	**$ 1**	**$ 11**	**$ 1**
Interest Rate Contracts								
Designated as Hedging Instruments								
Current	**$ 86**	**$ —**	**$ —**	**$ —**	**$ —**	**$ —**	**$ —**	**$ —**
Not Designated as Hedging Instruments								
Current	**7**	**1**	**6**	**—**	**6**	**—**	**—**	**—**
Total Derivative Assets – Interest Rate Contracts	**$ 93**	**$ 1**	**$ 6**	**$ —**	**$ 6**	**$ —**	**$ —**	**$ —**
Total Derivative Assets	**$ 268**	**$ 80**	**$ 88**	**$ 82**	**$ 6**	**$ 1**	**$ 11**	**$ 1**

Derivative Liabilities	March 31, 2023							
(in millions)	Duke Energy	Duke Energy Carolinas	Progress Energy	Duke Energy Progress	Duke Energy Florida	Duke Energy Ohio	Duke Energy Indiana	Piedmont
Commodity Contracts								
Not Designated as Hedging Instruments								
Current	$ 264	$ 143	$ 90	$ 90	$ —	$ —	$ 19	$ 12
Noncurrent	237	54	51	51	—	—	—	132
Total Derivative Liabilities – Commodity Contracts	$ 501	$ 197	$ 141	$ 141	$ —	$ —	$ 19	$ 144
Interest Rate Contracts								
Designated as Hedging Instruments								
Noncurrent	14	—	—	—	—	—	—	—
Not Designated as Hedging Instruments								
Noncurrent	26	4	12	8	3	1	9	—
Total Derivative Liabilities – Interest Rate Contracts	$ 40	$ 4	$ 12	$ 8	$ 3	$ 1	$ 9	$ —
Foreign Currency Contracts								
Designated as Hedging Instruments								
Current	$ 18	$ —	$ —	$ —	$ —	$ —	$ —	$ —
Noncurrent	44	—	—	—	—	—	—	—
Total Derivative Liabilities – Foreign Currency Contracts	$ 62	$ —	$ —	$ —	$ —	$ —	$ —	$ —
Total Derivative Liabilities	$ 603	$ 201	$ 153	$ 149	$ 3	$ 1	$ 28	$ 144

Derivative Assets	December 31, 2022							
(in millions)	Duke Energy	Duke Energy Carolinas	Progress Energy	Duke Energy Progress	Duke Energy Florida	Duke Energy Ohio	Duke Energy Indiana	Piedmont
Commodity Contracts								
Not Designated as Hedging Instruments								
Current	$ 265	$ 132	$ 99	$ 99	$ —	$ 5	$ 29	$ —
Noncurrent	213	104	108	108	—	—	—	—
Total Derivative Assets – Commodity Contracts	$ 478	$ 236	$ 207	$ 207	$ —	$ 5	$ 29	$ —
Interest Rate Contracts								
Designated as Hedging Instruments								
Current	$ 101	$ —	$ —	$ —	$ —	$ —	$ —	$ —
Not Designated as Hedging Instruments								
Current	$ 216	$ 94	$ 41	$ 23	$ 17	$ —	$ 81	$ —
Total Derivative Assets – Interest Rate Contracts	$ 317	$ 94	$ 41	$ 23	$ 17	$ —	$ 81	$ —
Total Derivative Assets	$ 795	$ 330	$ 248	$ 230	$ 17	$ 5	$ 110	$ —

Derivative Liabilities	December 31, 2022							
(in millions)	Duke Energy	Duke Energy Carolinas	Progress Energy	Duke Energy Progress	Duke Energy Florida	Duke Energy Ohio	Duke Energy Indiana	Piedmont
Commodity Contracts								
Not Designated as Hedging Instruments								
Current	$ 175	$ 96	$ 36	$ 18	$ 19	$ —	$ 16	$ 27
Noncurrent	202	31	30	30	—	—	—	141
Total Derivative Liabilities – Commodity Contracts	$ 377	$ 127	$ 66	$ 48	$ 19	$ —	$ 16	$ 168
Interest Rate Contracts								
Not Designated as Hedging Instruments								
Noncurrent	$ 2	$ —	$ —	$ —	$ —	$ 2	$ —	$ —
Total Derivative Liabilities – Interest Rate Contracts	$ 2	$ —	$ —	$ —	$ —	$ 2	$ —	$ —
Foreign Currency Contracts								
Designated as Hedging Instruments								
Current	$ 18	$ —	$ —	$ —	$ —	$ —	$ —	$ —
Noncurrent	40	—	—	—	—	—	—	—
Total Derivative Liabilities – Equity Securities Contracts	$ 58	$ —	$ —	$ —	$ —	$ —	$ —	$ —
Total Derivative Liabilities	$ 437	$ 127	$ 66	$ 48	$ 19	$ 2	$ 16	$ 168

OFFSETTING ASSETS AND LIABILITIES

The following tables present the line items on the Condensed Consolidated Balance Sheets where derivatives are reported. Substantially all of Duke Energy's outstanding derivative contracts are subject to enforceable master netting arrangements. The gross amounts offset in the tables below show the effect of these netting arrangements on financial position and include collateral posted to offset the net position. The amounts shown are calculated by counterparty. Accounts receivable or accounts payable may also be available to offset exposures in the event of bankruptcy. These amounts are not included in the tables below.

Derivative Assets	March 31, 2023							
(in millions)	Duke Energy	Duke Energy Carolinas	Progress Energy	Duke Energy Progress	Duke Energy Florida	Duke Energy Ohio	Duke Energy Indiana	Piedmont
Current								
Gross amounts recognized	**$ 128**	**$ 13**	**$ 15**	**$ 9**	**$ 6**	**$ 1**	**$ 11**	**$ 1**
Gross amounts offset	**(19)**	**(11)**	**(8)**	**(8)**	**—**	**—**	**—**	**—**
Net amounts presented in Current Assets: Other	**$ 109**	**$ 2**	**$ 7**	**$ 1**	**$ 6**	**$ 1**	**$ 11**	**$ 1**
Noncurrent								
Gross amounts recognized	**$ 140**	**$ 67**	**$ 73**	**$ 73**	**$ —**	**$ —**	**$ —**	**$ —**
Gross amounts offset	**(78)**	**(38)**	**(40)**	**(40)**	**—**	**—**	**—**	**—**
Net amounts presented in Other Noncurrent Assets: Other	**$ 62**	**$ 29**	**$ 33**	**$ 33**	**$ —**	**$ —**	**$ —**	**$ —**

Derivative Liabilities	March 31, 2023							
(in millions)	Duke Energy	Duke Energy Carolinas	Progress Energy	Duke Energy Progress	Duke Energy Florida	Duke Energy Ohio	Duke Energy Indiana	Piedmont
Current								
Gross amounts recognized	$ 282	$ 143	$ 90	$ 90	$ —	$ —	$ 19	$ 12
Gross amounts offset	(47)	(20)	(8)	(8)	—	—	(19)	—
Net amounts presented in Current Liabilities: Other	$ 235	$ 123	$ 82	$ 82	$ —	$ —	$ —	$ 12
Noncurrent								
Gross amounts recognized	$ 321	$ 58	$ 63	$ 59	$ 3	$ 1	$ 9	$ 132
Gross amounts offset	(83)	(43)	(40)	(40)	—	—	—	—
Net amounts presented in Other Noncurrent Liabilities: Other	$ 238	$ 15	$ 23	$ 19	$ 3	$ 1	$ 9	$ 132

Derivative Assets	December 31, 2022							
(in millions)	Duke Energy	Duke Energy Carolinas	Progress Energy	Duke Energy Progress	Duke Energy Florida	Duke Energy Ohio	Duke Energy Indiana	Piedmont
Current								
Gross amounts recognized	$ 582	$ 226	$ 140	$ 122	$ 17	$ 5	$ 110	$ —
Gross amounts offset	(64)	(33)	(30)	(30)	—	—	—	—
Net amounts presented in Current Assets: Other	$ 518	$ 193	$ 110	$ 92	$ 17	$ 5	$ 110	$ —
Noncurrent								
Gross amounts recognized	$ 213	$ 104	$ 108	$ 108	$ —	$ —	$ —	$ —
Gross amounts offset	(97)	(40)	(57)	(57)	—	—	—	—
Net amounts presented in Other Noncurrent Assets: Other	$ 116	$ 64	$ 51	$ 51	$ —	$ —	$ —	$ —

Derivative Liabilities	December 31, 2022							
(in millions)	Duke Energy	Duke Energy Carolinas	Progress Energy	Duke Energy Progress	Duke Energy Florida	Duke Energy Ohio	Duke Energy Indiana	Piedmont
Current								
Gross amounts recognized	$ 193	$ 96	$ 36	$ 18	$ 19	$ —	$ 16	$ 27
Gross amounts offset	(49)	(15)	(18)	(18)	—	—	(16)	—
Net amounts presented in Current Liabilities: Other	$ 144	$ 81	$ 18	$ —	$ 19	$ —	$ —	$ 27
Noncurrent								
Gross amounts recognized	$ 244	$ 31	$ 30	$ 30	$ —	$ 2	$ —	$ 141
Gross amounts offset	(59)	(29)	(30)	(30)	—	—	—	—
Net amounts presented in Other Noncurrent Liabilities: Other	$ 185	$ 2	$ —	$ —	$ —	$ 2	$ —	$ 141

OBJECTIVE CREDIT CONTINGENT FEATURES

Certain derivative contracts contain objective credit contingent features. These features include the requirement to post cash collateral or letters of credit if specific events occur, such as a credit rating downgrade below investment grade. The following tables show information with respect to derivative contracts that are in a net liability position and contain objective credit risk-related payment provisions.

	March 31, 2023			
(in millions)	Duke Energy	Duke Energy Carolinas	Progress Energy	Duke Energy Progress
Aggregate fair value of derivatives in a net liability position	$ 106	$ 54	$ 52	$ 52
Fair value of collateral already posted	10	10	—	—
Additional cash collateral or letters of credit in the event credit risk-related contingent features were triggered	$ 96	$ 44	$ 52	$ 52

	December 31, 2022				
(in millions)	Duke Energy	Duke Energy Carolinas	Progress Energy	Duke Energy Progress	Duke Energy Florida
Aggregate fair value of derivatives in a net liability position	$ 141	$ 86	$ 55	$ 48	$ 7
Fair value of collateral already posted	—	—	—	—	—
Additional cash collateral or letters of credit in the event credit risk-related contingent features were triggered	$ 141	$ 86	$ 55	$ 48	$ 7

The Duke Energy Registrants have elected to offset cash collateral and fair values of derivatives. For amounts to be netted, the derivative and cash collateral must be executed with the same counterparty under the same master netting arrangement.

10. INVESTMENTS IN DEBT AND EQUITY SECURITIES

Duke Energy's investments in debt and equity securities are primarily comprised of investments held in (i) the NDTF at Duke Energy Carolinas, Duke Energy Progress and Duke Energy Florida, (ii) the grantor trusts at Duke Energy Progress, Duke Energy Florida and Duke Energy Indiana related to OPEB plans and (iii) Bison. The Duke Energy Registrants classify investments in debt securities as Available for Sale (AFS) and investments in equity securities as fair value through net income (FV-NI).

For investments in debt securities classified as AFS, the unrealized gains and losses are included in other comprehensive income until realized, at which time they are reported through net income. For investments in equity securities classified as FV-NI, both realized and unrealized gains and losses are reported through net income. Substantially all of Duke Energy's investments in debt and equity securities qualify for regulatory accounting, and accordingly, all associated realized and unrealized gains and losses on these investments are deferred as a regulatory asset or liability.

Duke Energy classifies the majority of investments in debt and equity securities as long term, unless otherwise noted.

Investment Trusts

The investments within the Investment Trusts are managed by independent investment managers with discretion to buy, sell and invest pursuant to the guidelines set forth by the investment manager agreements and trust agreements. The Duke Energy Registrants have limited oversight of the day-to-day management of these investments. As a result, the ability to hold investments in unrealized loss positions is outside the control of the Duke Energy Registrants. Accordingly, all unrealized losses associated with debt securities within the Investment Trusts are recognized immediately and deferred to regulatory accounts where appropriate.

Other AFS Securities

Unrealized gains and losses on all other AFS securities are included in other comprehensive income until realized, unless it is determined the carrying value of an investment has a credit loss. The Duke Energy Registrants analyze all investment holdings each reporting period to determine whether a decline in fair value is related to a credit loss. If a credit loss exists, the unrealized credit loss is included in earnings. There were no material credit losses as of March 31, 2023, and December 31, 2022.

Other Investments amounts are recorded in Other within Other Noncurrent Assets on the Condensed Consolidated Balance Sheets.

DUKE ENERGY

The following table presents the estimated fair value of investments in debt and equity securities; equity investments are classified as FV-NI and debt investments are classified as AFS.

	March 31, 2023			December 31, 2022		
(in millions)	Gross Unrealized Holding Gains	Gross Unrealized Holding Losses	Estimated Fair Value	Gross Unrealized Holding Gains	Gross Unrealized Holding Losses	Estimated Fair Value
NDTF						
Cash and cash equivalents	$ —	$ —	$ 161	$ —	$ —	$ 215
Equity securities	4,048	60	6,367	3,658	105	5,871
Corporate debt securities	3	65	616	1	85	641
Municipal bonds	1	27	337	—	39	330
U.S. government bonds	9	85	1,495	2	112	1,423
Other debt securities	—	15	147	—	18	156
Total NDTF Investments	$ 4,061	$ 252	$ 9,123	$ 3,661	$ 359	$ 8,636
Other Investments						
Cash and cash equivalents	$ —	$ —	$ 134	$ —	$ —	$ 22
Equity securities	25	11	137	21	16	128
Corporate debt securities	—	10	87	—	12	84
Municipal bonds	—	2	80	—	3	78
U.S. government bonds	—	—	69	—	2	62
Other debt securities	—	2	42	—	3	41
Total Other Investments	$ 25	$ 25	$ 549	$ 21	$ 36	$ 415
Total Investments	$ 4,086	$ 277	$ 9,672	$ 3,682	$ 395	$ 9,051

Realized gains and losses, which were determined on a specific identification basis, from sales of FV-NI and AFS securities for the three months ended March 31, 2023, and 2022, were as follows.

	Three Months Ended	
(in millions)	March 31, 2023	March 31, 2022
FV-NI:		
Realized gains	$ 26	$ 111
Realized losses	46	85
AFS:		
Realized gains	8	4
Realized losses	32	23

DUKE ENERGY CAROLINAS

The following table presents the estimated fair value of investments in debt and equity securities; equity investments are classified as FV-NI and debt investments are classified as AFS.

	March 31, 2023			December 31, 2022		
(in millions)	Gross Unrealized Holding Gains	Gross Unrealized Holding Losses	Estimated Fair Value	Gross Unrealized Holding Gains	Gross Unrealized Holding Losses	Estimated Fair Value
NDTF						
Cash and cash equivalents	$ —	$ —	$ 69	$ —	$ —	$ 117
Equity securities	2,375	29	3,677	2,147	51	3,367
Corporate debt securities	2	47	384	1	62	401
Municipal bonds	—	5	56	—	10	64
U.S. government bonds	5	38	746	1	51	685
Other debt securities	—	15	143	—	18	148
Total NDTF Investments	$ 2,382	$ 134	$ 5,075	$ 2,149	$ 192	$ 4,782

Realized gains and losses, which were determined on a specific identification basis, from sales of FV-NI and AFS securities for the three months ended March 31, 2023, and 2022, were as follows.

	Three Months Ended	
(in millions)	**March 31, 2023**	**March 31, 2022**
FV-NI:		
Realized gains	**$ 18**	$ 75
Realized losses	**29**	49
AFS:		
Realized gains	**5**	3
Realized losses	**20**	16

PROGRESS ENERGY

The following table presents the estimated fair value of investments in debt and equity securities; equity investments are classified as FV-NI and debt investments are classified as AFS.

	March 31, 2023			December 31, 2022		
(in millions)	**Gross Unrealized Holding Gains**	**Gross Unrealized Holding Losses**	**Estimated Fair Value**	**Gross Unrealized Holding Gains**	**Gross Unrealized Holding Losses**	**Estimated Fair Value**
NDTF						
Cash and cash equivalents	**$ —**	**$ —**	**$ 92**	$ —	$ —	$ 98
Equity securities	**1,673**	**31**	**2,690**	1,511	54	2,504
Corporate debt securities	**1**	**18**	**232**	—	23	240
Municipal bonds	**1**	**22**	**281**	—	29	266
U.S. government bonds	**4**	**47**	**749**	1	61	738
Other debt securities	**—**	**—**	**4**	—	—	8
Total NDTF Investments	**$ 1,679**	**$ 118**	**$ 4,048**	$ 1,512	$ 167	$ 3,854
Other Investments						
Cash and cash equivalents	**$ —**	**$ —**	**$ 8**	$ —	$ —	$ 11
Municipal bonds	**—**	**—**	**25**	—	—	25
Total Other Investments	**$ —**	**$ —**	**$ 33**	$ —	$ —	$ 36
Total Investments	**$ 1,679**	**$ 118**	**$ 4,081**	$ 1,512	$ 167	$ 3,890

Realized gains and losses, which were determined on a specific identification basis, from sales of FV-NI and AFS securities for the three months ended March 31, 2023, and 2022, were as follows.

	Three Months Ended	
(in millions)	**March 31, 2023**	**March 31, 2022**
FV-NI:		
Realized gains	**$ 8**	$ 36
Realized losses	**17**	36
AFS:		
Realized gains	**3**	1
Realized losses	**12**	6

DUKE ENERGY PROGRESS

The following table presents the estimated fair value of investments in debt and equity securities; equity investments are classified as FV-NI and debt investments are classified as AFS.

	March 31, 2023			December 31, 2022		
(in millions)	Gross Unrealized Holding Gains	Gross Unrealized Holding Losses	Estimated Fair Value	Gross Unrealized Holding Gains	Gross Unrealized Holding Losses	Estimated Fair Value
NDTF						
Cash and cash equivalents	$ —	$ —	$ 72	$ —	$ —	$ 56
Equity securities	1,586	31	2,590	1,431	54	2,411
Corporate debt securities	1	17	222	—	22	230
Municipal bonds	1	22	281	—	29	266
U.S. government bonds	4	28	470	1	37	460
Other debt securities	—	—	4	—	—	7
Total NDTF Investments	$ 1,592	$ 98	$ 3,639	$ 1,432	$ 142	$ 3,430
Other Investments						
Cash and cash equivalents	$ —	$ —	$ 7	$ —	$ —	$ 9
Total Other Investments	$ —	$ —	$ 7	$ —	$ —	$ 9
Total Investments	$ 1,592	$ 98	$ 3,646	$ 1,432	$ 142	$ 3,439

Realized gains and losses, which were determined on a specific identification basis, from sales of FV-NI and AFS securities for the three months ended March 31, 2023, and 2022, were as follows.

	Three Months Ended	
(in millions)	March 31, 2023	March 31, 2022
FV-NI:		
Realized gains	$ 8	$ 36
Realized losses	17	35
AFS:		
Realized gains	3	1
Realized losses	12	5

DUKE ENERGY FLORIDA

The following table presents the estimated fair value of investments in debt and equity securities; equity investments are classified as FV-NI and debt investments are classified as AFS.

	March 31, 2023			December 31, 2022		
(in millions)	Gross Unrealized Holding Gains	Gross Unrealized Holding Losses	Estimated Fair Value	Gross Unrealized Holding Gains	Gross Unrealized Holding Losses	Estimated Fair Value
NDTF						
Cash and cash equivalents	$ —	$ —	$ 20	$ —	$ —	$ 42
Equity securities	87	—	100	80	—	93
Corporate debt securities	—	1	10	—	1	10
U.S. government bonds	—	19	279	—	24	278
Other debt securities	—	—	—	—	—	1
Total NDTF Investments[(a)]	$ 87	$ 20	$ 409	$ 80	$ 25	$ 424
Other Investments						
Cash and cash equivalents	$ —	$ —	$ —	$ —	$ —	$ 1
Municipal bonds	—	—	25	—	—	25
Total Other Investments	$ —	$ —	$ 25	$ —	$ —	$ 26
Total Investments	$ 87	$ 20	$ 434	$ 80	$ 25	$ 450

(a) During the three months ended March 31, 2023, and the year ended December 31, 2022, Duke Energy Florida received reimbursements from the NDTF for costs related to ongoing decommissioning activity of Crystal River Unit 3.

Realized gains and losses, which were determined on a specific identification basis, from sales of FV-NI and AFS securities for the three months ended March 31, 2023, and 2022, were immaterial.

DUKE ENERGY INDIANA

The following table presents the estimated fair value of investments in debt and equity securities; equity investments are measured at FV-NI and debt investments are classified as AFS.

	March 31, 2023			December 31, 2022		
(in millions)	Gross Unrealized Holding Gains	Gross Unrealized Holding Losses	Estimated Fair Value	Gross Unrealized Holding Gains	Gross Unrealized Holding Losses	Estimated Fair Value
Investments						
Cash and cash equivalents	$ —	$ —	$ 1	$ —	$ —	$ 1
Equity securities	3	11	85	2	16	79
Corporate debt securities	—	—	9	—	1	8
Municipal bonds	—	2	46	—	3	45
U.S. government bonds	—	—	9	—	—	7
Total Investments	$ 3	$ 13	$ 150	$ 2	$ 20	$ 140

Realized gains and losses, which were determined on a specific identification basis, from sales of FV-NI and AFS securities for the three months ended March 31, 2023, and 2022, were immaterial.

DEBT SECURITY MATURITIES

The table below summarizes the maturity date for debt securities.

	March 31, 2023					
(in millions)	Duke Energy	Duke Energy Carolinas	Progress Energy	Duke Energy Progress	Duke Energy Florida	Duke Energy Indiana
Due in one year or less	$ 115	$ 5	$ 96	$ 19	$ 77	$ 6
Due after one through five years	793	277	424	238	186	23
Due after five through 10 years	522	262	207	194	13	11
Due after 10 years	1,443	785	564	526	38	24
Total	$ 2,873	$ 1,329	$ 1,291	$ 977	$ 314	$ 64

11. FAIR VALUE MEASUREMENTS

Fair value is the exchange price to sell an asset or transfer a liability in an orderly transaction between market participants at the measurement date. The fair value definition focuses on an exit price versus the acquisition cost. Fair value measurements use market data or assumptions market participants would use in pricing the asset or liability, including assumptions about risk and the risks inherent in the inputs to the valuation technique. These inputs may be readily observable, corroborated by market data or generally unobservable. Valuation techniques maximize the use of observable inputs and minimize the use of unobservable inputs. A midmarket pricing convention (the midpoint price between bid and ask prices) is permitted for use as a practical expedient.

Fair value measurements are classified in three levels based on the fair value hierarchy as defined by GAAP. Certain investments are not categorized within the fair value hierarchy. These investments are measured at fair value using the net asset value per share practical expedient. The net asset value is derived based on the investment cost, less any impairment, plus or minus changes resulting from observable price changes for an identical or similar investment of the same issuer.

Fair value accounting guidance permits entities to elect to measure certain financial instruments that are not required to be accounted for at fair value, such as equity method investments or the company's own debt, at fair value. The Duke Energy Registrants have not elected to record any of these items at fair value.

Valuation methods of the primary fair value measurements disclosed below are as follows.

Investments in equity securities

The majority of investments in equity securities are valued using Level 1 measurements. Investments in equity securities are typically valued at the closing price in the principal active market as of the last business day of the quarter. Principal active markets for equity prices include published exchanges such as the NYSE and Nasdaq Stock Market. Foreign equity prices are translated from their trading currency using the currency exchange rate in effect at the close of the principal active market. There was no after-hours market activity that was required to be reflected in the reported fair value measurements.

Investments in debt securities

Most investments in debt securities are valued using Level 2 measurements because the valuations use interest rate curves and credit spreads applied to the terms of the debt instrument (maturity and coupon interest rate) and consider the counterparty credit rating. If the market for a particular fixed-income security is relatively inactive or illiquid, the measurement is Level 3.

Commodity derivatives

Commodity derivatives with clearinghouses are classified as Level 1. Commodity derivatives with observable forward curves are classified as Level 2. If forward price curves are not observable for the full term of the contract and the unobservable period had more than an insignificant impact on the valuation, the commodity derivative is classified as Level 3. In isolation, increases (decreases) in natural gas forward prices result in favorable (unfavorable) fair value adjustments for natural gas purchase contracts; and increases (decreases) in electricity forward prices result in unfavorable (favorable) fair value adjustments for electricity sales contracts. Duke Energy regularly evaluates and validates pricing inputs used to estimate the fair value of natural gas commodity contracts by a market participant price verification procedure. This procedure provides a comparison of internal forward commodity curves to market participant generated curves.

Interest rate derivatives

Most over-the-counter interest rate contract derivatives are valued using financial models that utilize observable inputs for similar instruments and are classified as Level 2. Inputs include forward interest rate curves, notional amounts, interest rates and credit quality of the counterparties. Derivatives related to interest rate risk for the Commercial Renewables Disposal Groups are now classified as held for sale and are excluded from the following disclosures. See Note 2 for further information.

Foreign currency derivatives

Most over-the-counter foreign currency derivatives are valued using financial models that utilize observable inputs for similar instruments and are classified as Level 2. Inputs include forward foreign currency rate curves, notional amounts, rates and credit quality of the counterparties.

Other fair value considerations

See Note 12 in Duke Energy's Annual Report on Form 10-K for the year ended December 31, 2022, for a discussion of the valuation of goodwill and intangible assets.

DUKE ENERGY

The following tables provide recorded balances for assets and liabilities measured at fair value on a recurring basis on the Condensed Consolidated Balance Sheets. Derivative amounts in the tables below for all Duke Energy Registrants exclude cash collateral, which is disclosed in Note 9. See Note 10 for additional information related to investments by major security type for the Duke Energy Registrants.

	March 31, 2023				
(in millions)	**Total Fair Value**	**Level 1**	**Level 2**	**Level 3**	**Not Categorized**
NDTF cash and cash equivalents	**$ 161**	**$ 161**	**$ —**	**$ —**	**$ —**
NDTF equity securities	**6,367**	**6,326**	**—**	**—**	**41**
NDTF debt securities	**2,595**	**822**	**1,773**	**—**	**—**
Other equity securities	**137**	**137**	**—**	**—**	**—**
Other debt securities	**278**	**60**	**218**	**—**	**—**
Other cash and cash equivalents	**134**	**134**	**—**	**—**	**—**
Derivative assets	**268**	**1**	**255**	**12**	**—**
Total assets	**9,940**	**7,641**	**2,246**	**12**	**41**
Derivative liabilities	**(603)**	**(19)**	**(584)**	**—**	**—**
Net assets (liabilities)	**$ 9,337**	**$ 7,622**	**$ 1,662**	**$ 12**	**$ 41**

	December 31, 2022				
(in millions)	**Total Fair Value**	**Level 1**	**Level 2**	**Level 3**	**Not Categorized**
NDTF cash and cash equivalents	$ 215	$ 215	$ —	$ —	$ —
NDTF equity securities	5,871	5,829	—	—	42
NDTF debt securities	2,550	780	1,770	—	—
Other equity securities	128	128	—	—	—
Other debt securities	265	55	210	—	—
Other cash and cash equivalents	22	22	—	—	—
Derivative assets	795	1	760	34	—
Total assets	9,846	7,030	2,740	34	42
Derivative liabilities	(437)	(16)	(421)	—	—
Net assets (liabilities)	$ 9,409	$ 7,014	$ 2,319	$ 34	$ 42

The following table provides reconciliations of beginning and ending balances of assets and liabilities measured at fair value using Level 3 measurements.

	Derivatives (net)	
	Three Months Ended March 31,	
(in millions)	2023	2022
Balance at beginning of period	$ 34	$ 24
Purchases, sales, issuances and settlements:		
Settlements	(20)	(7)
Total losses included on the Condensed Consolidated Balance Sheet	(2)	(7)
Balance at end of period	$ 12	$ 10

DUKE ENERGY CAROLINAS

The following tables provide recorded balances for assets and liabilities measured at fair value on a recurring basis on the Condensed Consolidated Balance Sheets.

	March 31, 2023			
(in millions)	Total Fair Value	Level 1	Level 2	Not Categorized
NDTF cash and cash equivalents	$ 69	$ 69	$ —	$ —
NDTF equity securities	3,677	3,636	—	41
NDTF debt securities	1,329	372	957	—
Derivative assets	80	—	80	—
Total assets	5,155	4,077	1,037	41
Derivative liabilities	(201)	—	(201)	—
Net assets	$ 4,954	$ 4,077	$ 836	$ 41

	December 31, 2022			
(in millions)	Total Fair Value	Level 1	Level 2	Not Categorized
NDTF cash and cash equivalents	$ 117	$ 117	$ —	$ —
NDTF equity securities	3,367	3,325	—	42
NDTF debt securities	1,298	323	975	—
Derivative assets	330	—	330	—
Total assets	5,112	3,765	1,305	42
Derivative liabilities	(127)	—	(127)	—
Net assets	$ 4,985	$ 3,765	$ 1,178	$ 42

PROGRESS ENERGY

The following table provides recorded balances for assets and liabilities measured at fair value on a recurring basis on the Condensed Consolidated Balance Sheets.

	March 31, 2023			December 31, 2022		
(in millions)	Total Fair Value	Level 1	Level 2	Total Fair Value	Level 1	Level 2
NDTF cash and cash equivalents	$ 92	$ 92	$ —	$ 98	$ 98	$ —
NDTF equity securities	2,690	2,690	—	2,504	2,504	—
NDTF debt securities	1,266	450	816	1,252	457	795
Other debt securities	25	—	25	25	—	25
Other cash and cash equivalents	8	8	—	11	11	—
Derivative assets	88	—	88	248	—	248
Total assets	4,169	3,240	929	4,138	3,070	1,068
Derivative liabilities	(153)	—	(153)	(66)	—	(66)
Net assets	$ 4,016	$ 3,240	$ 776	$ 4,072	$ 3,070	$ 1,002

DUKE ENERGY PROGRESS

The following table provides recorded balances for assets and liabilities measured at fair value on a recurring basis on the Condensed Consolidated Balance Sheets.

	March 31, 2023			December 31, 2022		
(in millions)	Total Fair Value	Level 1	Level 2	Total Fair Value	Level 1	Level 2
NDTF cash and cash equivalents	$ 72	$ 72	$ —	$ 56	$ 56	$ —
NDTF equity securities	2,590	2,590	—	2,411	2,411	—
NDTF debt securities	977	219	758	963	225	738
Other cash and cash equivalents	7	7	—	9	9	—
Derivative assets	82	—	82	230	—	230
Total assets	3,728	2,888	840	3,669	2,701	968
Derivative liabilities	(149)	—	(149)	(48)	—	(48)
Net assets	$ 3,579	$ 2,888	$ 691	$ 3,621	$ 2,701	$ 920

DUKE ENERGY FLORIDA

The following table provides recorded balances for assets and liabilities measured at fair value on a recurring basis on the Condensed Consolidated Balance Sheets.

	March 31, 2023			December 31, 2022		
(in millions)	Total Fair Value	Level 1	Level 2	Total Fair Value	Level 1	Level 2
NDTF cash and cash equivalents	$ 20	$ 20	$ —	$ 42	$ 42	$ —
NDTF equity securities	100	100	—	93	93	—
NDTF debt securities	289	231	58	289	232	57
Other debt securities	25	—	25	25	—	25
Other cash and cash equivalents	—	—	—	1	1	—
Derivative assets	6	—	6	17	—	17
Total assets	440	351	89	467	368	99
Derivative liabilities	(3)	—	(3)	(19)	—	(19)
Net assets	$ 437	$ 351	$ 86	$ 448	$ 368	$ 80

DUKE ENERGY OHIO

The recorded balances for assets and liabilities measured at fair value on a recurring basis on the Condensed Consolidated Balance Sheets were not material at March 31, 2023, and December 31, 2022.

DUKE ENERGY INDIANA

The following table provides recorded balances for assets and liabilities measured at fair value on a recurring basis on the Condensed Consolidated Balance Sheets.

	March 31, 2023				December 31, 2022			
(in millions)	Total Fair Value	Level 1	Level 2	Level 3	Total Fair Value	Level 1	Level 2	Level 3
Other equity securities	$ 85	$ 85	$ —	$ —	$ 79	$ 79	$ —	$ —
Other debt securities	64	—	64	—	60	—	60	—
Other cash and cash equivalents	1	1	—	—	1	1	—	—
Derivative assets	11	—	—	11	110	—	81	29
Total assets	161	86	64	11	250	80	141	29
Derivative liabilities	(28)	(19)	(9)	—	(16)	(16)	—	—
Net assets	$ 133	$ 67	$ 55	$ 11	$ 234	$ 64	$ 141	$ 29

The following table provides a reconciliation of beginning and ending balances of assets and liabilities measured at fair value using Level 3 measurements.

	Derivatives (net)	
	Three Months Ended March 31,	
(in millions)	2023	2022
Balance at beginning of period	$ 29	$ 22
Purchases, sales, issuances and settlements:		
Settlements	(19)	(6)
Total gains (losses) included on the Condensed Consolidated Balance Sheet	1	(6)
Balance at end of period	$ 11	$ 10

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The following table provides recorded balances for assets and liabilities measured at fair value on a recurring basis on the Condensed Consolidated Balance Sheets.

	March 31, 2023			December 31, 2022		
(in millions)	Total Fair Value	Level 1	Level 2	Total Fair Value	Level 1	Level 2
Derivative assets	$ 1	$ 1	$ —	$ —	$ —	$ —
Derivative liabilities	(144)	—	(144)	(168)	—	(168)
Net (liabilities) assets	$ (143)	$ 1	$ (144)	$ (168)	$ —	$ (168)

QUANTITATIVE INFORMATION ABOUT UNOBSERVABLE INPUTS

The following tables include quantitative information about the Duke Energy Registrants' derivatives classified as Level 3.

	March 31, 2023				
Investment Type	Fair Value (in millions)	Valuation Technique	Unobservable Input	Range	Weighted Average Range
Duke Energy Ohio					
FTRs	1	RTO auction pricing	FTR price – per MWh	(0.19) - 2.71	1.08
Duke Energy Indiana					
FTRs	11	RTO auction pricing	FTR price – per MWh	0.03 - 14.88	2.63
Duke Energy					
Total Level 3 derivatives	$ 12				

	December 31, 2022				
Investment Type	Fair Value (in millions)	Valuation Technique	Unobservable Input	Range	Weighted Average Range
Duke Energy Ohio					
FTRs	$ 5	RTO auction pricing	FTR price – per MWh	$ 0.89 - $ 6.25	$ 3.35
Duke Energy Indiana					
FTRs	29	RTO auction pricing	FTR price – per MWh	0.09 - 21.79	2.74
Duke Energy					
Total Level 3 derivatives	$ 34				

OTHER FAIR VALUE DISCLOSURES

The fair value and book value of long-term debt, including current maturities, is summarized in the following table. Debt related to the Commercial Renewables Disposal Groups is now classified as held for sale and is excluded from the following disclosures. See Note 2 for further information. Estimates determined are not necessarily indicative of amounts that could have been settled in current markets. Fair value of long-term debt uses Level 2 measurements.

	March 31, 2023		December 31, 2022	
(in millions)	**Book Value**	**Fair Value**	**Book Value**	**Fair Value**
Duke Energy[(a)]	**$ 72,437**	**$ 66,455**	$ 69,751	$ 61,986
Duke Energy Carolinas	**15,105**	**14,176**	14,266	12,943
Progress Energy	**23,371**	**21,974**	22,439	20,467
Duke Energy Progress	**12,047**	**10,911**	11,087	9,689
Duke Energy Florida	**9,683**	**9,242**	9,709	8,991
Duke Energy Ohio	**3,991**	**3,768**	3,245	2,927
Duke Energy Indiana	**4,503**	**4,265**	4,307	3,913
Piedmont	**3,364**	**3,014**	3,363	2,940

(a) Book value of long-term debt includes $1.15 billion and $1.17 billion at March 31, 2023, and December 31, 2022, respectively, of net unamortized debt discount and premium of purchase accounting adjustments related to the mergers with Progress Energy and Piedmont that are excluded from fair value of long-term debt.

At both March 31, 2023, and December 31, 2022, fair value of cash and cash equivalents, accounts and notes receivable, accounts payable, notes payable and commercial paper and nonrecourse notes payable of VIEs are not materially different from their carrying amounts because of the short-term nature of these instruments and/or because the stated rates approximate market rates.

12. VARIABLE INTEREST ENTITIES

CONSOLIDATED VIEs

The obligations of the consolidated VIEs discussed in the following paragraphs are nonrecourse to the Duke Energy Registrants. The registrants have no requirement to provide liquidity to, purchase assets of or guarantee performance of these VIEs unless noted in the following paragraphs.

No financial support was provided to any of the consolidated VIEs during the three months ended March 31, 2023, and the year ended December 31, 2022, or is expected to be provided in the future that was not previously contractually required.

Receivables Financing – DERF/DEPR/DEFR

DERF, DEPR and DEFR are bankruptcy remote, special purpose subsidiaries of Duke Energy Carolinas, Duke Energy Progress and Duke Energy Florida, respectively. DERF, DEPR and DEFR are wholly owned LLCs with separate legal existence from their parent companies, and their assets are not generally available to creditors of their parent companies. On a revolving basis, DERF, DEPR and DEFR buy certain accounts receivable arising from the sale of electricity and related services from their parent companies.

DERF, DEPR and DEFR borrow amounts under credit facilities to buy these receivables. Borrowing availability from the credit facilities is limited to the amount of qualified receivables purchased, which generally exclude receivables past due more than a predetermined number of days and reserves for expected past-due balances. The sole source of funds to satisfy the related debt obligations is cash collections from the receivables.

The most significant activity that impacts the economic performance of DERF, DEPR and DEFR are the decisions made to manage delinquent receivables. Duke Energy Carolinas, Duke Energy Progress and Duke Energy Florida are considered the primary beneficiaries and consolidate DERF, DEPR and DEFR, respectively, as they make those decisions.

Receivables Financing – CRC

CRC is a bankruptcy remote, special purpose entity indirectly owned by Duke Energy. On a revolving basis, CRC buys certain accounts receivable arising from the sale of electricity, natural gas and related services from Duke Energy Ohio and Duke Energy Indiana. CRC borrows amounts under a credit facility to buy the receivables from Duke Energy Ohio and Duke Energy Indiana. Borrowing availability from the credit facility is limited to the amount of qualified receivables sold to CRC, which generally exclude receivables past due more than a predetermined number of days and reserves for expected past-due balances. The sole source of funds to satisfy the related debt obligation is cash collections from the receivables. Amounts borrowed under the credit facility are reflected on Duke Energy's Condensed Consolidated Balance Sheets as Long-Term Debt.

The proceeds Duke Energy Ohio and Duke Energy Indiana receive from the sale of receivables to CRC are approximately 75% cash and 25% in the form of a subordinated note from CRC. The subordinated note is a retained interest in the receivables sold. Depending on collection experience, additional equity infusions to CRC may be required by Duke Energy to maintain a minimum equity balance of $3 million.

CRC is considered a VIE because (i) equity capitalization is insufficient to support its operations, (ii) power to direct the activities that most significantly impact the economic performance of the entity is not held by the equity holder and (iii) deficiencies in net worth of CRC are funded by Duke Energy. The most significant activities that impact the economic performance of CRC are decisions made to manage delinquent receivables. Duke Energy is considered the primary beneficiary and consolidates CRC as it makes these decisions. Neither Duke Energy Ohio nor Duke Energy Indiana consolidate CRC.

Receivables Financing – Credit Facilities

The following table summarizes the amounts and expiration dates of the credit facilities and associated restricted receivables described above.

	Duke Energy	Duke Energy Carolinas	Duke Energy Progress	Duke Energy Florida
(in millions)	CRC	DERF	DEPR	DEFR
Expiration date	February 2025	January 2025	April 2025	April 2024
Credit facility amount	$ 350	$ 500	$ 400	$ 325
Amounts borrowed at March 31, 2023	**350**	**500**	**400**	**250**
Amounts borrowed at December 31, 2022	350	471	400	250
Restricted Receivables at March 31, 2023	**784**	**782**	**654**	**443**
Restricted Receivables at December 31, 2022	917	928	793	490

Nuclear Asset-Recovery Bonds – DEFPF

DEFPF is a bankruptcy remote, wholly owned special purpose subsidiary of Duke Energy Florida. DEFPF was formed in 2016 for the sole purpose of issuing nuclear asset-recovery bonds to finance Duke Energy Florida's unrecovered regulatory asset related to Crystal River Unit 3.

In 2016, DEFPF issued senior secured bonds and used the proceeds to acquire nuclear asset-recovery property from Duke Energy Florida. The nuclear asset-recovery property acquired includes the right to impose, bill, collect and adjust a non-bypassable nuclear asset-recovery charge from all Duke Energy Florida retail customers until the bonds are paid in full and all financing costs have been recovered. The nuclear asset-recovery bonds are secured by the nuclear asset-recovery property and cash collections from the nuclear asset-recovery charges are the sole source of funds to satisfy the debt obligation. The bondholders have no recourse to Duke Energy Florida.

DEFPF is considered a VIE primarily because the equity capitalization is insufficient to support its operations. Duke Energy Florida has the power to direct the significant activities of the VIE as described above and therefore Duke Energy Florida is considered the primary beneficiary and consolidates DEFPF.

The following table summarizes the impact of DEFPF on Duke Energy Florida's Condensed Consolidated Balance Sheets.

(in millions)	March 31, 2023	December 31, 2022
Receivables of VIEs	**$ 4**	$ 6
Regulatory Assets: Current	**55**	55
Current Assets: Other	**18**	41
Other Noncurrent Assets: Regulatory assets	**814**	826
Current Liabilities: Other	**2**	9
Current maturities of long-term debt	**57**	56
Long-Term Debt	**859**	890

Storm Recovery Bonds – Duke Energy Carolinas NC Storm Funding and Duke Energy Progress NC Storm Funding

Duke Energy Carolinas NC Storm Funding, LLC (DECNCSF) and Duke Energy Progress NC Storm Funding, LLC (DEPNCSF) are bankruptcy remote, wholly owned special purpose subsidiaries of Duke Energy Carolinas and Duke Energy Progress, respectively. These entities were formed in 2021 for the sole purpose of issuing storm recovery bonds to finance certain of Duke Energy Carolinas' and Duke Energy Progress' unrecovered regulatory assets related to storm costs.

In November 2021, DECNCSF and DEPNCSF issued $237 million and $770 million of senior secured bonds, respectively and used the proceeds to acquire storm recovery property from Duke Energy Carolinas and Duke Energy Progress. The storm recovery property was created by state legislation and NCUC financing orders for the purpose of financing storm costs incurred in 2018 and 2019. The storm recovery property acquired includes the right to impose, bill, collect and adjust a non-bypassable charge from all Duke Energy Carolinas' and Duke Energy Progress' retail customers until the bonds are paid in full and all financing costs have been recovered. The storm recovery bonds are secured by the storm recovery property and cash collections from the storm recovery charges are the sole source of funds to satisfy the debt obligation. The bondholders have no recourse to Duke Energy Carolinas or Duke Energy Progress.

DECNCSF and DEPNCSF are considered VIEs primarily because the equity capitalization is insufficient to support their operations. Duke Energy Carolinas and Duke Energy Progress have the power to direct the significant activities of the VIEs as described above and therefore Duke Energy Carolinas and Duke Energy Progress are considered the primary beneficiaries and consolidate DECNCSF and DEPNCSF, respectively.

The following table summarizes the impact of these VIEs on Duke Energy Carolinas' and Duke Energy Progress' Consolidated Balance Sheets.

	March 31, 2023		December 31, 2022	
(in millions)	Duke Energy Carolinas	Duke Energy Progress	Duke Energy Carolinas	Duke Energy Progress
Regulatory Assets: Current	**$ 12**	**$ 39**	$ 12	$ 39
Current Assets: Other	**5**	**15**	8	29
Other Noncurrent Assets: Regulatory assets	**205**	**672**	208	681
Other Noncurrent Assets: Other	**1**	**4**	1	2
Current Liabilities: Other	**1**	**4**	3	8
Current maturities of long-term debt	**10**	**34**	10	34
Long-Term Debt	**213**	**697**	219	714

NON-CONSOLIDATED VIEs

The following tables summarize the impact of non-consolidated VIEs on the Condensed Consolidated Balance Sheets.

	March 31, 2023		
(in millions)	Duke Energy Natural Gas Investments	Duke Energy Ohio	Duke Energy Indiana
Receivables from affiliated companies	**$ —**	**$ 164**	**$ 221**
Investments in equity method unconsolidated affiliates	**49**	**—**	**—**
Other noncurrent assets	**46**	**—**	**—**
Total assets	**$ 95**	**$ 164**	**$ 221**
Other current liabilities	**52**	**—**	**—**
Other noncurrent liabilities	**49**	**—**	**—**
Total liabilities	**$ 101**	**$ —**	**$ —**
Net (liabilities) assets	**$ (6)**	**$ 164**	**$ 221**

	December 31, 2022		
(in millions)	Duke Energy Natural Gas Investments	Duke Energy Ohio	Duke Energy Indiana
Receivables from affiliated companies	$ —	$ 198	$ 317
Investments in equity method unconsolidated affiliates	43	—	—
Other noncurrent assets	45	—	—
Total assets	$ 88	$ 198	$ 317
Other current liabilities	59	—	—
Other noncurrent liabilities	47	—	—
Total liabilities	$ 106	$ —	$ —
Net (liabilities) assets	$ (18)	$ 198	$ 317

The Duke Energy Registrants are not aware of any situations where the maximum exposure to loss significantly exceeds the carrying values shown above.

Natural Gas Investments

Duke Energy has investments in various joint ventures including pipeline and renewable natural gas projects. These entities are considered VIEs due to having insufficient equity to finance their own activities without subordinated financial support. Duke Energy does not have the power to direct the activities that most significantly impact the economic performance, the obligation to absorb losses or the right to receive benefits of these VIEs and therefore does not consolidate these entities.

CRC

See discussion under Consolidated VIEs for additional information related to CRC.

Amounts included in Receivables from affiliated companies in the above table for Duke Energy Ohio and Duke Energy Indiana reflect their retained interest in receivables sold to CRC. These subordinated notes held by Duke Energy Ohio and Duke Energy Indiana are stated at fair value.

The following table shows the gross and net receivables sold.

	Duke Energy Ohio		Duke Energy Indiana	
(in millions)	March 31, 2023	December 31, 2022	March 31, 2023	December 31, 2022
Receivables sold	**$ 369**	$ 423	**$ 426**	$ 508
Less: Retained interests	**164**	198	**221**	317
Net receivables sold	**$ 205**	$ 225	**$ 205**	$ 191

The following table shows sales and cash flows related to receivables sold.

	Duke Energy Ohio		Duke Energy Indiana	
	Three Months Ended March 31,		Three Months Ended March 31,	
(in millions)	2023	2022	2023	2022
Sales				
Receivables sold	**$ 725**	$ 663	**$ 942**	$ 782
Loss recognized on sale	**9**	3	**10**	4
Cash flows				
Cash proceeds from receivables sold	**$ 750**	$ 674	**$ 1,028**	$ 795
Return received on retained interests	**6**	1	**8**	2

Cash flows from sales of receivables are reflected within Cash Flows From Operating Activities and Cash Flows from Investing Activities on Duke Energy Ohio's and Duke Energy Indiana's Condensed Consolidated Statements of Cash Flows.

13. REVENUE

Duke Energy earns substantially all of its revenues through its reportable segments, EU&I and GU&I.

Electric Utilities and Infrastructure

EU&I earns the majority of its revenues through retail and wholesale electric service through the generation, transmission, distribution and sale of electricity. Duke Energy generally provides retail and wholesale electric service customers with their full electric load requirements or with supplemental load requirements when the customer has other sources of electricity.

The majority of wholesale revenues are full requirements contracts where the customers purchase the substantial majority of their energy needs and do not have a fixed quantity of contractually required energy or capacity. As such, related forecasted revenues are considered optional purchases. Supplemental requirements contracts that include contracted blocks of energy and capacity at contractually fixed prices have the following estimated remaining performance obligations:

	Remaining Performance Obligations						
(in millions)	2023	2024	2025	2026	2027	Thereafter	Total
Progress Energy	**$ 43**	$ 66	$ 7	$ 7	$ 7	$ 36	$ 166
Duke Energy Progress	**6**	8	—	—	—	—	14
Duke Energy Florida	**37**	58	7	7	7	36	152
Duke Energy Indiana	**10**	16	17	15	7	5	70

Revenues for block sales are recognized monthly as energy is delivered and stand-ready service is provided, consistent with invoiced amounts and unbilled estimates.

Gas Utilities and Infrastructure

GU&I earns its revenue through retail and wholesale natural gas service through the transportation, distribution and sale of natural gas. Duke Energy generally provides retail and wholesale natural gas service customers with all natural gas load requirements. Additionally, while natural gas can be stored, substantially all natural gas provided by Duke Energy is consumed by customers simultaneously with receipt of delivery.

Fixed-capacity payments under long-term contracts for the GU&I segment include minimum margin contracts and supply arrangements with municipalities and power generation facilities. Revenues for related sales are recognized monthly as natural gas is delivered and stand-ready service is provided, consistent with invoiced amounts and unbilled estimates. Estimated remaining performance obligations are as follows:

	Remaining Performance Obligations						
(in millions)	2023	2024	2025	2026	2027	Thereafter	Total
Piedmont	**$ 51**	$ 62	$ 61	$ 51	$ 49	$ 241	$ 515

Other

The remainder of Duke Energy's operations is presented as Other, which does not include material revenues from contracts with customers.

Disaggregated Revenues

Disaggregated revenues are presented as follows:

	Three Months Ended March 31, 2023							
(in millions) By market or type of customer	Duke Energy	Duke Energy Carolinas	Progress Energy	Duke Energy Progress	Duke Energy Florida	Duke Energy Ohio	Duke Energy Indiana	Piedmont
Electric Utilities and Infrastructure								
Residential	$ 2,851	$ 824	$ 1,421	$ 607	$ 814	$ 234	$ 372	$ —
General	1,831	588	841	358	483	135	270	—
Industrial	891	296	272	177	95	71	251	—
Wholesale	550	135	348	319	29	9	58	—
Other revenues	144	78	121	68	53	27	15	—
Total Electric Utilities and Infrastructure revenue from contracts with customers	$ 6,267	$ 1,921	$ 3,003	$ 1,529	$ 1,474	$ 476	$ 966	$ —
Gas Utilities and Infrastructure								
Residential	$ 507	$ —	$ —	$ —	$ —	$ 162	$ —	$ 345
Commercial	233	—	—	—	—	58	—	175
Industrial	47	—	—	—	—	9	—	37
Power Generation	—	—	—	—	—	—	—	23
Other revenues	40	—	—	—	—	6	—	19
Total Gas Utilities and Infrastructure revenue from contracts with customers	$ 827	$ —	$ —	$ —	$ —	$ 235	$ —	$ 599
Other								
Revenue from contracts with customers	$ 7	$ —	$ —	$ —	$ —	$ —	$ —	$ —
Total revenue from contracts with customers	$ 7,101	$ 1,921	$ 3,003	$ 1,529	$ 1,474	$ 711	$ 966	$ 599
Other revenue sources[(a)]	$ 175	$ 13	$ 45	$ 4	$ 36	$ (2)	$ 9	$ 76
Total revenues	$ 7,276	$ 1,934	$ 3,048	$ 1,533	$ 1,510	$ 709	$ 975	$ 675

	Three Months Ended March 31, 2022							
(in millions) By market or type of customer	Duke Energy	Duke Energy Carolinas	Progress Energy	Duke Energy Progress	Duke Energy Florida	Duke Energy Ohio	Duke Energy Indiana	Piedmont
Electric Utilities and Infrastructure								
Residential	$ 2,767	$ 831	$ 1,368	$ 624	$ 744	$ 211	$ 354	$ —
General	1,604	544	726	325	401	116	218	—
Industrial	772	276	270	194	76	35	192	—
Wholesale	626	113	411	349	62	23	79	—
Other revenues	202	111	211	139	72	21	(36)	—
Total Electric Utilities and Infrastructure revenue from contracts with customers	$ 5,971	$ 1,875	$ 2,986	$ 1,631	$ 1,355	$ 406	$ 807	$ —
Gas Utilities and Infrastructure								
Residential	$ 572	$ —	$ —	$ —	$ —	$ 149	$ —	$ 423
Commercial	269	—	—	—	—	64	—	204
Industrial	57	—	—	—	—	7	—	50
Power Generation	—	—	—	—	—	—	—	24
Other revenues	115	—	—	—	—	6	—	93
Total Gas Utilities and Infrastructure revenue from contracts with customers	$ 1,013	$ —	$ —	$ —	$ —	$ 226	$ —	$ 794
Other								
Revenue from contracts with customers	**$ 7**	**$ —**	**$ —**	**$ —**	**$ —**	**$ —**	**$ —**	**$ —**
Total revenue from contracts with customers	$ 6,991	$ 1,875	$ 2,986	$ 1,631	$ 1,355	$ 632	$ 807	$ 794
Other revenue sources[(a)]	**$ 20**	**$ 13**	**$ 6**	**$ 1**	**$ —**	**$ 6**	**$ 15**	**$ 11**
Total revenues	$ 7,011	$ 1,888	$ 2,992	$ 1,632	$ 1,355	$ 638	$ 822	$ 805

(a) Other revenue sources include revenues from leases, derivatives and alternative revenue programs that are not considered revenues from contracts with customers. Alternative revenue programs in certain jurisdictions include regulatory mechanisms that periodically adjust for over or under collection of related revenues.

Duke Energy adopted the new guidance for credit losses effective January 1, 2020, using the modified retrospective method of adoption, which does not require restatement of prior year reported results. The following table presents the reserve for credit losses for trade and other receivables based on adoption of the new standard.

	Three Months Ended March 31, 2022 and 2023							
(in millions)	Duke Energy	Duke Energy Carolinas	Progress Energy	Duke Energy Progress	Duke Energy Florida	Duke Energy Ohio	Duke Energy Indiana	Piedmont
Balance at December 31, 2021	$ 121	$ 42	$ 36	$ 21	$ 16	$ 4	$ 3	$ 15
Write-Offs	(23)	(9)	(10)	(2)	(8)	—	—	(1)
Credit Loss Expense	24	5	12	4	8	—	—	3
Other Adjustments	17	14	13	8	5	—	—	—
Balance at March 31, 2022	$ 139	$ 52	$ 51	$ 31	$ 21	$ 4	$ 3	$ 17
Balance at December 31, 2022	$ 216	$ 68	$ 81	$ 44	$ 36	$ 6	$ 4	$ 14
Write-Offs	**(42)**	**(20)**	**(22)**	**(9)**	**(12)**	**—**	**—**	**(1)**
Credit Loss Expense	**16**	**7**	**6**	**1**	**5**	**1**	**—**	**1**
Other Adjustments	**24**	**15**	**10**	**9**	**1**	**—**	**—**	**—**
Balance at March 31, 2023	**$ 214**	**$ 70**	**$ 75**	**$ 45**	**$ 30**	**$ 7**	**$ 4**	**$ 14**

Trade and other receivables are evaluated based on an estimate of the risk of loss over the life of the receivable and current and historical conditions using supportable assumptions. Management evaluates the risk of loss for trade and other receivables by comparing the historical write-off amounts to total revenue over a specified period. Historical loss rates are adjusted due to the impact of current conditions, as well as forecasted conditions over a reasonable time period. The calculated write-off rate can be applied to the receivable balance for which an established reserve does not already exist. Management reviews the assumptions and risk of loss periodically for trade and other receivables.

The aging of trade receivables is presented in the table below.

	March 31, 2023							
(in millions)	Duke Energy	Duke Energy Carolinas	Progress Energy	Duke Energy Progress	Duke Energy Florida	Duke Energy Ohio	Duke Energy Indiana	Piedmont
Unbilled Revenue[(a)(b)]	$ 1,070	$ 408	$ 284	$ 178	$ 106	$ 3	$ 20	$ 57
Current	2,018	519	892	476	414	14	46	168
1-31 days past due	254	64	103	68	35	5	9	18
31-61 days past due	148	32	83	72	11	5	2	10
61-91 days past due	33	9	13	8	5	2	1	2
91+ days past due	217	60	65	24	41	48	16	3
Deferred Payment Arrangements[(c)]	144	46	51	32	19	4	—	1
Trade and Other Receivables	$ 3,884	$ 1,138	$ 1,491	$ 858	$ 631	$ 81	$ 94	$ 259

	December 31, 2022							
(in millions)	Duke Energy	Duke Energy Carolinas	Progress Energy	Duke Energy Progress	Duke Energy Florida	Duke Energy Ohio	Duke Energy Indiana	Piedmont
Unbilled Revenue[(a)(b)]	$ 1,457	$ 486	$ 355	$ 232	$ 123	$ 20	$ 28	$ 160
Current	2,347	577	1,059	637	417	15	52	265
1-31 days past due	261	96	60	15	45	5	17	15
31-61 days past due	123	23	61	49	12	6	2	3
61-91 days past due	74	25	18	9	9	3	11	2
91+ days past due	209	70	74	27	47	26	6	4
Deferred Payment Arrangements[(c)]	160	57	62	35	27	4	—	1
Trade and Other Receivables	$ 4,631	$ 1,334	$ 1,689	$ 1,004	$ 680	$ 79	$ 116	$ 450

(a) Unbilled revenues are recognized by applying customer billing rates to the estimated volumes of energy or natural gas delivered but not yet billed and are included within Receivables and Receivables of VIEs on the Condensed Consolidated Balance Sheets.

(b) Duke Energy Ohio and Duke Energy Indiana sell, on a revolving basis, nearly all of their retail accounts receivable, including receivables for unbilled revenues, to an affiliate, CRC, and account for the transfers of receivables as sales. Accordingly, the receivables sold are not reflected on the Condensed Consolidated Balance Sheets of Duke Energy Ohio and Duke Energy Indiana. See Note 12 for further information. These receivables for unbilled revenues are $103 million and $195 million for Duke Energy Ohio and Duke Energy Indiana, respectively, as of March 31, 2023, and $148 million and $260 million for Duke Energy Ohio and Duke Energy Indiana, respectively, as of December 31, 2022.

(c) Due to ongoing financial hardships impacting customers, Duke Energy has permitted customers to defer payment of past-due amounts through installment payment plans.

14. STOCKHOLDERS' EQUITY

Basic EPS is computed by dividing net income available to Duke Energy common stockholders, as adjusted for distributed and undistributed earnings allocated to participating securities and accumulated preferred dividends, by the weighted average number of common shares outstanding during the period. Diluted EPS is computed by dividing net income available to Duke Energy common stockholders, as adjusted for distributed and undistributed earnings allocated to participating securities and accumulated preferred dividends, by the diluted weighted average number of common shares outstanding during the period. Diluted EPS reflects the potential dilution that could occur if securities or other agreements to issue common stock, such as equity forward sale agreements, were exercised or settled. Duke Energy's participating securities are restricted stock units that are entitled to dividends declared on Duke Energy common stock during the restricted stock unit's vesting periods. Dividends declared on preferred stock are recorded on the Condensed Consolidated Statements of Operations as a reduction of net income to arrive at net income available to Duke Energy common stockholders. Dividends accumulated on preferred stock are an adjustment to net income used in the calculation of basic and diluted EPS.

The following table presents Duke Energy's basic and diluted EPS calculations, the weighted average number of common shares outstanding and common and preferred share dividends declared.

	Three Months Ended March 31,	
(in millions, except per share amounts)	**2023**	**2022**
Net income available to Duke Energy common stockholders	**$ 765**	$ 818
Less: (Loss) Income from discontinued operations attributable to Duke Energy common stockholders	**(145)**	12
Accumulated preferred stock dividends adjustment	**12**	12
Less: Impact of participating securities	**1**	1
Income from continuing operations available to Duke Energy common stockholders	**$ 921**	$ 817
Loss from discontinued operations, net of tax	**$ (209)**	$ (15)
Add: Loss attributable to NCI	**64**	27
(Loss) Income from discontinued operations attributable to Duke Energy common stockholders	**$ (145)**	$ 12
Weighted average common shares outstanding – basic and diluted	**770**	770
EPS from continuing operations available to Duke Energy common stockholders		
Basic and diluted	**$ 1.20**	$ 1.06
(Loss) Earnings Per Share from discontinued operations attributable to Duke Energy common stockholders		
Basic and diluted	**$ (0.19)**	$ 0.02
Potentially dilutive items excluded from the calculation[(a)]	**2**	2
Dividends declared per common share	**$ 1.005**	$ 0.985
Dividends declared on Series A preferred stock per depositary share[(b)]	**$ 0.359**	$ 0.359
Dividends declared on Series B preferred stock per share[(c)]	**$ 24.375**	$ 24.375

(a) Performance stock awards were not included in the dilutive securities calculation because the performance measures related to the awards had not been met.

(b) 5.75% Series A Cumulative Redeemable Perpetual Preferred Stock dividends are payable quarterly in arrears on the 16th day of March, June, September and December. The preferred stock has a $25 liquidation preference per depositary share.

(c) 4.875% Series B Fixed-Rate Reset Cumulative Redeemable Perpetual Preferred Stock dividends are payable semiannually in arrears on the 16th day of March and September. The preferred stock has a $1,000 liquidation preference per share.

15. EMPLOYEE BENEFIT PLANS

DEFINED BENEFIT RETIREMENT PLANS

Duke Energy and certain subsidiaries maintain, and the Subsidiary Registrants participate in, qualified and non-qualified, non-contributory defined benefit retirement plans. Duke Energy's policy is to fund amounts on an actuarial basis to provide assets sufficient to meet benefit payments to be paid to plan participants.

QUALIFIED PENSION PLANS

The following tables include the components of net periodic pension costs for qualified pension plans.

	Three Months Ended March 31, 2023							
(in millions)	**Duke Energy**	**Duke Energy Carolinas**	**Progress Energy**	**Duke Energy Progress**	**Duke Energy Florida**	**Duke Energy Ohio**	**Duke Energy Indiana**	**Piedmont**
Service cost	$ 30	$ 10	$ 9	$ 5	$ 3	$ 1	$ 1	$ 1
Interest cost on projected benefit obligation	86	21	27	12	14	4	7	2
Expected return on plan assets	(147)	(40)	(50)	(23)	(26)	(6)	(10)	(5)
Amortization of actuarial loss	2	—	1	—	1	—	1	—
Amortization of prior service credit	(3)	—	—	—	—	—	—	(2)
Amortization of settlement charges	5	2	1	1	—	—	—	1
Net periodic pension costs	$ (27)	$ (7)	$ (12)	$ (5)	$ (8)	$ (1)	$ (1)	$ (3)

	Three Months Ended March 31, 2022							
(in millions)	Duke Energy	Duke Energy Carolinas	Progress Energy	Duke Energy Progress	Duke Energy Florida	Duke Energy Ohio	Duke Energy Indiana	Piedmont
Service cost	$ 40	$ 12	$ 12	$ 7	$ 4	$ 1	$ 2	$ 1
Interest cost on projected benefit obligation	58	14	18	8	10	3	5	2
Expected return on plan assets	(140)	(38)	(46)	(22)	(24)	(5)	(9)	(6)
Amortization of actuarial loss	24	5	6	3	3	1	2	2
Amortization of prior service credit	(5)	(1)	—	—	—	—	—	(2)
Amortization of settlement charges	2	1	1	—	—	—	—	—
Net periodic pension costs	$ (21)	$ (7)	$ (9)	$ (4)	$ (7)	$ —	$ —	$ (3)

NON-QUALIFIED PENSION PLANS

Net periodic pension costs for non-qualified pension plans were not material for the three months ended March 31, 2023, and 2022.

OTHER POST-RETIREMENT BENEFIT PLANS

Net periodic costs for OPEB plans were not material for the three months ended March 31, 2023, and 2022.

16. INCOME TAXES

EFFECTIVE TAX RATES

The ETRs from continuing operations for each of the Duke Energy Registrants are included in the following table.

	Three Months Ended March 31,	
	2023	2022
Duke Energy	**13.8 %**	2.9 %
Duke Energy Carolinas	**11.4 %**	7.4 %
Progress Energy	**16.7 %**	15.9 %
Duke Energy Progress	**14.6 %**	14.0 %
Duke Energy Florida	**19.9 %**	20.1 %
Duke Energy Ohio	**16.7 %**	(266.7)%
Duke Energy Indiana	**17.2 %**	31.9 %
Piedmont	**17.7 %**	13.4 %

The increase in the ETR for Duke Energy for the three months ended March 31, 2023, was primarily due to a decrease in the amortization of excess deferred taxes.

The increase in the ETR for Duke Energy Carolinas for the three months ended March 31, 2023, was primarily due to a decrease in the amortization of excess deferred taxes.

The increase in the ETR for Duke Energy Ohio for the three months ended March 31, 2023, was primarily due to a decrease in the amortization of excess deferred taxes related to the MGP Settlement recorded in the prior year.

The decrease in the ETR for Duke Energy Indiana for the three months ended March 31, 2023, was primarily due to the coal ash impairment in the prior year, based on the Indiana Supreme Court Opinion.

The increase in the ETR for Piedmont for the three months ended March 31, 2023, was primarily due to a decrease in the amortization of excess deferred taxes.

17. SUBSEQUENT EVENTS

For information on subsequent events related to regulatory matters, commitments and contingencies, and debt and credit facilities, see Notes 4, 5 and 6, respectively.

ITEM 2. MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS

The following combined Management's Discussion and Analysis of Financial Condition and Results of Operations is separately filed by Duke Energy and Duke Energy Carolinas, Progress Energy, Duke Energy Progress, Duke Energy Florida, Duke Energy Ohio, Duke Energy Indiana and Piedmont. However, none of the registrants make any representation as to information related solely to Duke Energy or the Subsidiary Registrants of Duke Energy other than itself.

DUKE ENERGY

Duke Energy is an energy company headquartered in Charlotte, North Carolina. Duke Energy operates in the U.S. primarily through its subsidiaries, Duke Energy Carolinas, Duke Energy Progress, Duke Energy Florida, Duke Energy Ohio, Duke Energy Indiana and Piedmont. When discussing Duke Energy's consolidated financial information, it necessarily includes the results of the Subsidiary Registrants, which along with Duke Energy are collectively referred to as the Duke Energy Registrants.

Management's Discussion and Analysis should be read in conjunction with the Condensed Consolidated Financial Statements and Notes for the three months ended March 31, 2023, and with Duke Energy's Annual Report on Form 10-K for the year ended December 31, 2022.

Executive Overview

Advancing Our Clean Energy Transformation

During the first quarter of 2023, we continued to execute on our clean energy transformation, delivering strong, sustainable value for shareholders, customers, communities and employees.

- In November 2022, the Board approved pursuing the sale of the Commercial Renewables business, excluding the offshore wind contract for Carolina Long Bay. We are continuing to market the business through three disposal groups. As we look forward to the remainder of this decade and beyond, we have line of sight to significant renewable, grid and other investment opportunities within our faster-growing regulated operations. We expect to dispose of these groups in the second half of 2023. See Note 2 to the Condensed Consolidated Financial Statements, "Dispositions," for additional information.
- In March 2023, we began operating the largest battery system in North Carolina, an 11-MW project in Onslow County, which will operate in conjunction with an adjacent 13-MW solar facility located on a leased site within Marine Corps Base (MCB) Camp Lejeune. Both projects are connected to a Duke Energy substation and will be used to serve all Duke Energy Progress customers. As part of an ongoing collaboration with the Department of Defense, further work could enable the solar and battery systems to improve the resiliency of MCB Camp Lejeune against outages.
- In March 2023, Duke Energy Florida announced two new solar projects as part of Clean Energy Connection, the company's community solar program. Once complete, each 74.9-MW solar facility will generate enough carbon-free electricity to power what would be the equivalent to around 23,000 homes. Additionally, in March 2023, Duke Energy Florida announced its first floating solar array pilot. The project will feature more than 1,800 floating solar modules and occupy approximately 2 acres of water surface on an existing cooling pond at the Duke Energy Hines Energy Complex in Bartow. The pilot is part of Duke Energy's Vision Florida program, which is designed to test innovative projects such as microgrids and battery energy storage, among others, to prepare the power grid for a clean energy future. We now operate 1,200 MW of solar in Florida, with plans to continue adding approximately 300 MW a year going forward.

Regulatory Activity. During the first quarter of 2023, we continued to monitor developments while moving our regulatory strategy forward. See Note 4 to the Condensed Consolidated Financial Statements, "Regulatory Matters," for additional information.

- In February 2023, the PSCSC approved a constructive comprehensive settlement with all parties in the Duke Energy Progress South Carolina rate case. Duke Energy Progress implemented new customer rates effective April 1, 2023.
- In February 2023, the Indiana Court of Appeals issued an opinion finding certain coal ash related expenditures should be disallowed under a statute specific to federally mandated projects and also denied a petition for rehearing on the matter. Duke Energy Indiana is evaluating whether to file a petition to transfer the case to the Indiana Supreme Court.
- In January 2023, Duke Energy Carolinas filed a rate case in North Carolina, which incorporates elements of PBR and MYRP as allowed under HB 951. HB 951 provides the framework for many of the benefits of modernized regulatory constructs in North Carolina under the direction of the NCUC. Duke Energy Progress filed its first rate case utilizing these benefits, including both PBR and MYRP, in North Carolina in October 2022, and reached partial settlements on key matters in April and May 2023.

Matters Impacting Future Results

The matters discussed herein could materially impact the future operating results, financial condition and cash flows of the Duke Energy Registrants and Business Segments.

Regulatory Matters

Coal Ash Costs

Future spending of coal ash costs, including amounts recorded for depreciation and liability accretion, is expected to be recovered in future rate cases or rider filings. The majority of spend is expected to occur over the next 10 to 15 years.

Duke Energy Indiana has interpreted the CCR (Coal Combustion Residuals) rule to identify the coal ash basin sites impacted and has assessed the amounts of coal ash subject to the rule and a method of compliance. Interpretation of the requirements of the CCR rule is subject to further legal challenges and regulatory approvals, which could result in additional coal ash basin closure requirements, higher costs of compliance and greater AROs. Additionally, Duke Energy Indiana has retired facilities that are not subject to the CCR rule. Duke Energy Indiana may incur costs at these facilities to comply with environmental regulations or to mitigate risks associated with on-site storage of coal ash. In January 2022, Duke Energy Indiana received a letter from the EPA regarding application and interpretation of the CCR rule for some of the ash basins at its Gallagher Station. In response to the letter, Duke Energy Indiana has submitted revised closure plans for those basins to the Indiana Department of Environmental Management (IDEM). Those closure plans are pending review by IDEM. See Notes 4 and 5 to the Condensed Consolidated Financial Statements, "Regulatory Matters" and "Commitments and Contingencies," respectively, for more information.

Fuel Cost Recovery

As a result of rapidly rising commodity costs during 2022, including natural gas, fuel and purchased power prices in excess of amounts included in fuel-related revenues has led to an increase in the under collection of fuel costs from customers at certain jurisdictions including Duke Energy Carolinas, Duke Energy Progress and Duke Energy Florida. These amounts have been deferred in regulatory assets and have impacted the cash flows of the registrants, including increased borrowings to temporarily finance related expenditures until recovery. The Duke Energy Registrants are working with various state commissions on the timing of recovery of these amounts.

Commercial Renewables

In November 2022, Duke Energy committed to a plan to sell the Commercial Renewables Disposal Groups. The Commercial Renewables Disposal Groups were classified as held for sale and as discontinued operations in the fourth quarter of 2022. Marketing of the disposal groups continues and Duke Energy expects to complete the sales of the disposal groups in the second half of 2023. If necessary, the loss on the sale of the assets will be updated based on market changes or the final sales price, including all closing adjustments, and could be materially different than the estimated loss. Additionally, certain other costs resulting from the transactions may be recognized in the period incurred. Proceeds from the sales are expected to be used for debt avoidance. For more information, see Note 2 to the Consolidated Financial Statements, "Dispositions."

In February 2021, a severe winter storm impacted certain Commercial Renewables assets in Texas. Extreme weather conditions limited the ability for these solar and wind facilities to generate and sell electricity into the ERCOT market. Duke Energy (Parent) has been named in multiple lawsuits arising out of this winter storm. The legal actions against Duke Energy (Parent) related to these lawsuits will remain with Duke Energy (Parent) and any future activity related to Duke Energy (Parent) as a defendant in these lawsuits will be presented in discontinued operations. For more information, see Note 5 to the Condensed Consolidated Financial Statements, "Commitments and Contingencies."

Supply Chain

Duke Energy is monitoring supply chain disruptions, which could impact the timing of in-service dates and may result in adverse impacts on operating results. The company is also monitoring the potential impacts on future financial results and clean energy goals due to supply chain challenges regarding the availability of transformers and renewable components like solar panels and batteries.

Other

Duke Energy is monitoring general market conditions, including rising interest rates, and evaluating the impact to its results of operations, financial position and cash flows in the future.

Results of Operations

Non-GAAP Measures

Management’s Discussion and Analysis includes financial information prepared in accordance with GAAP in the U.S., as well as certain non-GAAP financial measures, adjusted earnings and adjusted EPS, discussed below. Non-GAAP financial measures are numerical measures of financial performance, financial position or cash flows that excludes (or includes) amounts that are included in (or excluded from) the most directly comparable measure calculated and presented in accordance with GAAP. Non-GAAP financial measures should be viewed as a supplement to, and not a substitute for, financial measures presented in accordance with GAAP. Non-GAAP measures presented may not be comparable to similarly titled measures used by other companies because other companies may not calculate the measures in the same manner.

Management evaluates financial performance in part based on non-GAAP financial measures, including adjusted earnings and adjusted EPS. Adjusted earnings and adjusted EPS represent income from continuing operations available to Duke Energy Corporation common stockholders in dollar and per share amounts, adjusted for the dollar and per share impact of special items. As discussed below, special items represent certain charges and credits, which management believes are not indicative of Duke Energy's ongoing performance. The most directly comparable GAAP measures for adjusted earnings and adjusted EPS are GAAP Reported Earnings (Loss) and GAAP Reported Earnings (Loss) Per Share, respectively.

Special items included in the periods presented below include the following, which management believes do not reflect ongoing costs:

- Regulatory Matters represents the net impact of charges related to the 2022 Indiana Supreme Court ruling on coal ash.

Discontinued operations includes an estimated impairment on the sale of the Commercial Renewables business in the current year and results from Duke Energy's Commercial Renewables Disposal Groups.

Three Months Ended March 31, 2023, as compared to March 31, 2022

GAAP reported EPS was $1.01 for the first quarter of 2023 compared to $1.08 in the first quarter of 2022. GAAP reported EPS decreased primarily due to unfavorable weather, the estimated impairment on the sale of the Commercial Renewables business, higher interest expense and lower volumes, partially offset by charges from the Indiana Supreme Court ruling on coal ash in the prior year, growth from riders and other margin, lower storm costs and favorable rate case impacts.

As discussed above, management also evaluates financial performance based on adjusted EPS. Duke Energy's first quarter 2023 adjusted EPS was $1.20 compared to $1.29 for the first quarter of 2022. The decrease in adjusted EPS was primarily due to unfavorable weather, higher interest expense and lower volumes, partially offset by growth from riders and other margin, lower storm costs and favorable rate case impacts.

The following table reconciles non-GAAP measures, including adjusted EPS, to their most directly comparable GAAP measures.

	Three Months Ended March 31,			
	2023		2022	
(in millions, except per share amounts)	Earnings	EPS	Earnings	EPS
GAAP Reported Earnings/GAAP Reported EPS	$ 765	$ 1.01	$ 818	$ 1.08
Adjustments:				
Regulatory Matters[(a)]	—	—	173	0.23
Discontinued Operations[(b)]	145	0.19	(12)	(0.02)
Adjusted Earnings/Adjusted EPS	$ 910	$ 1.20	$ 979	$ 1.29

(a) Net of tax benefit of $62 million. $211 million recorded within Impairment of assets and other charges, $46 million within Regulated electric (Operating revenues) and $22 million within Net Loss Attributable to Noncontrolling Interests.
(b) Recorded in Loss from Discontinued Operations, net of tax, and Net Loss Attributable to Noncontrolling Interests.

SEGMENT RESULTS

The remaining information presented in this discussion of results of operations is on a GAAP basis. Management evaluates segment performance based on segment income. Segment income is defined as income from continuing operations net of income attributable to noncontrolling interests and preferred stock dividends. Segment income includes intercompany revenues and expenses that are eliminated in the Condensed Consolidated Financial Statements.

Duke Energy's segment structure includes the following segments: EU&I and GU&I. The remainder of Duke Energy's operations is presented as Other. See Note 3 to the Condensed Consolidated Financial Statements, "Business Segments," for additional information on Duke Energy's segment structure.

Electric Utilities and Infrastructure

	Three Months Ended March 31,		
(in millions)	2023	2022	Variance
Operating Revenues	$ 6,398	$ 6,002	$ 396
Operating Expenses			
Fuel used in electric generation and purchased power	2,396	1,837	559
Operation, maintenance and other	1,269	1,426	(157)
Depreciation and amortization	1,096	1,131	(35)
Property and other taxes	348	337	11
Impairment of assets and other charges	7	214	(207)
Total operating expenses	5,116	4,945	171
Gains on Sales of Other Assets and Other, net	1	2	(1)
Operating Income	1,283	1,059	224
Other Income and Expenses, net	130	114	16
Interest Expense	452	376	76
Income Before Income Taxes	961	797	164
Income Tax Expense	149	83	66
Less: Income (Loss) Attributable to Noncontrolling Interest	21	(9)	30
Segment Income	$ 791	$ 723	$ 68
Duke Energy Carolinas GWh sales	20,919	22,549	(1,630)
Duke Energy Progress GWh sales	15,345	17,969	(2,624)
Duke Energy Florida GWh sales	8,990	9,902	(912)
Duke Energy Ohio GWh sales	5,642	5,997	(355)
Duke Energy Indiana GWh sales	7,350	7,950	(600)
Total Electric Utilities and Infrastructure GWh sales	58,246	64,367	(6,121)
Net proportional MW capacity in operation	49,784	49,340	444

Three Months Ended March 31, 2023, as compared to March 31, 2022

EU&I's higher segment income is due to the prior year Indiana Supreme Court ruling on recovery of certain coal ash costs and lower storm costs, partially offset by higher interest expense. The following is a detailed discussion of the variance drivers by line item.

Operating Revenues. The variance was driven primarily by:

- a $606 million increase in fuel revenues primarily due to higher fuel prices and cost recovery in the current year;
- a $43 million increase in rider revenues primarily due to a decrease in the return of EDIT to customers compared to the prior year at Duke Energy Carolinas and increased Storm Protection Plan rider revenue driven by higher debt and equity returns from increased capital expenditures in the current year at Duke Energy Florida;
- a $37 million increase due to the provision for rate refund recognized in the prior year related to the Indiana Supreme Court ruling; and
- a $33 million increase in price due to 2022 Duke Energy Ohio Electric retail rate case and Ohio tax reform deferrals in prior year.

Partially offset by:

- a $191 million decrease in retail sales due to unfavorable weather compared to prior year;
- a $99 million decrease in weather-normal retail sales volumes; and
- a $61 million decrease in wholesale revenues primarily due to lower capacity revenues.

Operating Expenses. The variance was driven primarily by:

- a $559 million increase in fuel used in electric generation and purchased power due to higher fuel prices and higher amortizations of deferred fuel.

Partially offset by:

- a $207 million decrease in impairment of assets and other charges primarily due to the Indiana Supreme Court ruling on recovery of certain coal ash costs in the prior year;
- a $157 million decrease in operation, maintenance and other primarily driven by lower storm costs in the current year; and
- a $35 million decrease in depreciation and amortization primarily due to the amortization of the Department of Energy settlement regulatory liability at Duke Energy Florida.

Other Income and Expenses, net. The increase is primarily due to higher returns on deferred costs.

Interest Expense. The variance was primarily driven by higher interest rates and outstanding debt balances.

Income Tax Expense. The increase in tax expense was primarily due to an increase in pretax income and a decrease in the amortization of excess deferred taxes. The ETRs for the three months ended March 31, 2023, and 2022, were 15.5% and 10.4%, respectively. The increase in the ETR was primarily due to a decrease in the amortization of excess deferred taxes.

Gas Utilities and Infrastructure

	Three Months Ended March 31,		
(in millions)	**2023**	**2022**	**Variance**
Operating Revenues	$ **911**	$ 1,032	$ (121)
Operating Expenses			
Cost of natural gas	**298**	481	(183)
Operation, maintenance and other	**119**	182	(63)
Depreciation and amortization	**85**	79	6
Property and other taxes	**31**	41	(10)
Impairment of assets and other charges	**1**	—	1
Total operating expenses	**534**	783	(249)
Operating Income	**377**	249	128
Other Income and Expenses, Net	**23**	17	6
Interest Expense	**50**	40	10
Income Before Income Taxes	**350**	226	124
Income Tax Expense (Benefit)	**63**	(28)	91
Segment Income	$ **287**	$ 254	$ 33
Piedmont LDC throughput (dekatherms)	**161,463,793**	180,187,101	(18,723,308)
Duke Energy Midwest LDC throughput (Mcf)	**32,001,725**	37,246,072	(5,244,347)

Three Months Ended March 31, 2023, as compared to March 31, 2022

GU&I's results were impacted primarily by margin growth. The following is a detailed discussion of the variance drivers by line item.

Operating Revenues. The variance was driven primarily by:

- a $183 million decrease due to lower natural gas costs passed through to customers, lower volumes, and decreased off-system sales natural gas costs.

Partially offset by:

- a $15 million increase due to the MGP Settlement in prior year;
- a $13 million increase due to secondary marketing sales;
- a $13 million increase due to rider revenues related to Ohio CEP;
- a $6 million increase due to North Carolina IMR; and
- a $5 million increase due to customer growth.

Operating Expenses. The variance was driven primarily by:

- a $183 million decrease in cost of natural gas due to lower natural gas costs passed through to customers, lower volumes, and decreased off-system sales natural gas costs;
- a $63 million decrease in operations, maintenance and other primarily due to the MGP Settlement in prior year.

Interest Expense. The increase was primarily due to higher interest rates and outstanding debt balances.

Income Tax Expense. The increase in tax expense was primarily due to a decrease in the amortization of excess deferred taxes related to the MGP Settlement recorded in the prior year and an increase in pretax income. The ETRs for the three months ended March 31, 2023, and 2022, were 18.0% and -12.4%, respectively. The increase in the ETR was primarily due a decrease in the amortization of excess deferred taxes related to the MGP Settlement recorded in the prior year.

Other

	Three Months Ended March 31,		
(in millions)	**2023**	**2022**	**Variance**
Operating Revenues	**$ 31**	$ 30	$ 1
Operating Expenses	**29**	30	(1)
Gains on Sales of Other Assets and Other, net	**6**	1	5
Operating Income	**8**	1	7
Other Income and Expenses, net	**62**	(5)	67
Interest Expense	**256**	158	98
Loss Before Income Taxes	**(186)**	(162)	(24)
Income Tax Benefit	**(57)**	(30)	(27)
Less: Preferred Dividends	**39**	39	—
Net Loss	**$ (168)**	$ (171)	$ 3

Three Months Ended March 31, 2023, as compared to March 31, 2022

The lower net loss was driven by higher return on investments, lower loss experience related to captive insurance claims and an increase in the tax benefit, partially offset by higher interest expense.

Other Income and Expenses, net. The variance was primarily due to higher return on investments that fund certain employee benefit obligations and higher yields on captive insurance investments.

Interest Expense. The variance was primarily due to higher interest rates on long-term debt and commercial paper and higher outstanding long-term debt.

Income Tax Benefit. The increase in the tax benefit was primarily due to higher state tax benefits, favorable tax impacts related to higher investment returns on certain employee benefit obligations and an increase in pretax losses. The ETRs for the three months ended March 31, 2023, and 2022, were 30.6% and 18.5%, respectively. The increase in the ETR was primarily due to higher state tax benefits and favorable tax impacts related to higher investment returns on certain employee benefit obligations.

LOSS FROM DISCONTINUED OPERATIONS, NET OF TAX

	Three Months Ended March 31,		
(in millions)	2023	2022	Variance
Loss From Discontinued Operations, net of tax	$ (209)	$ (15)	$ (194)

Three Months Ended March 31, 2023, as compared to March 31, 2022

The variance was primarily driven by the estimated impairment on the sale of the Commercial Renewables business recorded in 2023.

DUKE ENERGY CAROLINAS

Results of Operations

	Three Months Ended March 31,		
(in millions)	2023	2022	Variance
Operating Revenues	$ 1,934	$ 1,888	$ 46
Operating Expenses			
Fuel used in electric generation and purchased power	623	448	175
Operation, maintenance and other	440	512	(72)
Depreciation and amortization	366	379	(13)
Property and other taxes	95	93	2
Impairment of assets and other charges	2	3	(1)
Total operating expenses	1,526	1,435	91
Operating Income	408	453	(45)
Other Income and Expenses, net	59	55	4
Interest Expense	160	141	19
Income Before Income Taxes	307	367	(60)
Income Tax Expense	35	27	8
Net Income	$ 272	$ 340	$ (68)

The following table shows the percent changes in GWh sales and average number of customers. The percentages for retail customer classes represent billed sales only. Total sales includes billed and unbilled retail sales and wholesale sales to incorporated municipalities, public and private utilities and power marketers. Amounts are not weather-normalized.

Increase (Decrease) over prior year	2023
Residential sales	(4.3)%
General service sales	0.8 %
Industrial sales	(5.5)%
Wholesale power sales	(0.5)%
Joint dispatch sales	39.2 %
Total sales	(7.2)%
Average number of customers	1.6 %

Three Months Ended March 31, 2023, as compared to March 31, 2022

Operating Revenues. The variance was driven primarily by:

- a $153 million increase in fuel revenues due to higher fuel prices; and
- a $29 million increase in rider revenues primarily due to a decrease in the return of EDIT to customers compared to the prior year and increases in energy efficiency and competitive procurement of renewable energy program riders.

Partially offset by:

- a $93 million decrease in retail sales due to unfavorable weather compared to prior year; and
- a $49 million decrease in weather-normal retail sales volumes.

Operating Expenses. The variance was driven primarily by:

- a $175 million increase in fuel used in electric generation and purchased power primarily due to higher natural gas prices and changes in the generation mix, partially offset by the recovery of fuel expenses and lower coal prices.

Partially offset by:

- a $72 million decrease in operation, maintenance and other expense primarily due to lower storm restoration costs and a decrease in spend on outside services; and
- a $13 million decrease in depreciation and amortization primarily due to the prior year South Carolina Supreme Court decision on coal ash and an increase in Grid Improvement Plan deferrals.

Interest Expense. The variance was driven by higher interest rates and outstanding debt balances.

Income Tax Expense. The increase in tax expense was primarily due to a decrease in the amortization of excess deferred taxes, partially offset by a decrease in pretax income.

PROGRESS ENERGY

Results of Operations

	Three Months Ended March 31,		
(in millions)	**2023**	**2022**	**Variance**
Operating Revenues	**$ 3,048**	$ 2,992	$ 56
Operating Expenses			
Fuel used in electric generation and purchased power	**1,191**	1,064	127
Operation, maintenance and other	**568**	645	(77)
Depreciation and amortization	**504**	536	(32)
Property and other taxes	**168**	152	16
Impairment of assets and other charges	**5**	—	5
Total operating expenses	**2,436**	2,397	39
Gains on Sales of Other Assets and Other, net	**6**	2	4
Operating Income	**618**	597	21
Other Income and Expenses, net	**59**	35	24
Interest Expense	**246**	211	35
Income Before Income Taxes	**431**	421	10
Income Tax Expense	**72**	67	5
Net Income	**359**	354	5

Three Months Ended March 31, 2023, as compared to March 31, 2022

Operating Revenues. The variance was driven primarily by:

- a $183 million increase in fuel cost recovery at Duke Energy Florida driven by higher fuel rates in the current year; and
- a $23 million increase in rider revenues at Duke Energy Florida primarily due to increased Storm Protection Plan rider revenue driven by higher debt and equity returns from increased capital expenditures in the current year.

Partially offset by:

- a $54 million decrease in retail sales due to unfavorable weather compared to prior year;
- a $54 million decrease in weather-normal retail sales volumes; and
- a $45 million decrease in wholesale revenues, net of fuel, due to lower capacity volumes.

Operating Expenses. The variance was driven primarily by:

- a $127 million increase in fuel used in electric generation and purchased power primarily due to higher amortization of deferred fuel balances at Duke Energy Florida; and
- a $16 million increase in property and other taxes primarily due to higher property tax valuation adjustments at Duke Energy Florida.

Partially offset by:

- a $77 million decrease in operation, maintenance and other expense due to lower storm costs at Duke Energy Progress and lower storm amortization at Duke Energy Florida; and
- a $32 million decrease in depreciation and amortization primarily due to the amortization of Department of Energy settlement regulatory liability at Duke Energy Florida.

Other Income and Expenses, net. The increase is primarily due to higher debt returns at Duke Energy Florida.

Interest Expense. The variance was driven primarily by higher outstanding debt balances and interest rates at Duke Energy Florida and Duke Energy Progress.

DUKE ENERGY PROGRESS

Results of Operations

	Three Months Ended March 31,		
(in millions)	**2023**	**2022**	**Variance**
Operating Revenues	**$ 1,533**	$ 1,632	$ (99)
Operating Expenses			
Fuel used in electric generation and purchased power	**545**	574	(29)
Operation, maintenance and other	**350**	391	(41)
Depreciation and amortization	**315**	306	9
Property and other taxes	**48**	49	(1)
Impairment of assets and other charges	**4**	—	4
Total operating expenses	**1,262**	1,320	(58)
Gains on Sales of Other Assets and Other, net	**—**	1	(1)
Operating Income	**271**	313	(42)
Other Income and Expenses, net	**29**	22	7
Interest Expense	**102**	85	17
Income Before Income Taxes	**198**	250	(52)
Income Tax Expense	**29**	35	(6)
Net Income	**$ 169**	$ 215	$ (46)

The following table shows the percent changes in GWh sales and average number of customers. The percentages for retail customer classes represent billed sales only. Total sales includes billed and unbilled retail sales and wholesale sales to incorporated municipalities, public and private utilities and power marketers. Amounts are not weather-normalized.

Increase (Decrease) over prior period	**2023**
Residential sales	**(7.4)%**
General service sales	**(9.4)%**
Industrial sales	**(25.0)%**
Wholesale power sales	**(10.1)%**
Joint dispatch sales	**(28.5)%**
Total sales	**(14.6)%**
Average number of customers	**1.6 %**

Three Months Ended March 31, 2023, as compared to March 31, 2022

Operating Revenues. The variance was driven primarily by:

- a $54 million decrease in retail sales due to unfavorable weather compared to prior year;
- a $26 million decrease in wholesale revenues, net of fuel, due to lower capacity volumes; and
- a $16 million decrease in weather-normal retail sales volumes.

Operating Expenses. The variance was driven primarily by:

- a $41 million decrease in operation, maintenance and other expense primarily due to lower storm costs; and
- a $29 million decrease in fuel used in electric generation and purchased power primarily due to lower volumes, partially offset by the recovery of fuel expenses and higher natural gas prices.

Partially offset by:

- a $9 million increase in depreciation and amortization due to higher depreciable base.

Interest Expense. The variance was driven primarily by higher outstanding debt balances and interest rates.

DUKE ENERGY FLORIDA

Results of Operations

	Three Months Ended March 31,		
(in millions)	2023	2022	Variance
Operating Revenues	$ **1,510**	$ 1,355	$ 155
Operating Expenses			
Fuel used in electric generation and purchased power	**646**	490	156
Operation, maintenance and other	**213**	249	(36)
Depreciation and amortization	**190**	231	(41)
Property and other taxes	**120**	103	17
Impairment of assets and other charges	**1**	—	1
Total operating expenses	**1,170**	1,073	97
Gains on Sales of Other Assets and Other, net	**1**	1	—
Operating Income	**341**	283	58
Other Income and Expenses, net	**30**	15	15
Interest Expense	**115**	84	31
Income Before Income Taxes	**256**	214	42
Income Tax Expense	**51**	43	8
Net Income	$ **205**	$ 171	$ 34

The following table shows the percent changes in GWh sales and average number of customers. The percentages for retail customer classes represent billed sales only. Wholesale power sales include both billed and unbilled sales. Total sales includes billed and unbilled retail sales and wholesale sales to incorporated municipalities, public and private utilities and power marketers. Amounts are not weather-normalized.

Increase (Decrease) over prior period	2023
Residential sales	**(0.8)%**
General service sales	**1.9 %**
Industrial sales	**1.9 %**
Wholesale and other	**(47.9)%**
Total sales	**(9.2)%**
Average number of customers	**1.6 %**

Three Months Ended March 31, 2023, as compared to March 31, 2022

Operating Revenues. The variance was driven primarily by:

- a $183 million increase in fuel and capacity revenues primarily due to an increase in fuel and capacity rates billed to retail customers; and
- a $23 million increase in rider revenues primarily due to increased Storm Protection Plan rider revenue driven by higher debt and equity returns from increased capital expenditures in the current year.

Partially offset by:

- a $38 million decrease in weather-normal retail sales volumes; and
- a $19 million decrease in wholesale power revenues, net of fuel, primarily due to lower capacity revenue and bulk power sales.

Operating Expenses. The variance was driven primarily by:

- a $156 million increase in fuel used in electric generation and purchased power primarily due to higher amortization of deferred fuel and capacity expense; and
- a $17 million increase in property and other taxes primarily due to property tax valuation adjustments.

Partially offset by:

- a $41 million decrease in depreciation and amortization primarily due to the amortization of Department of Energy settlement regulatory liability; and
- a $36 million decrease in operation, maintenance and other primarily due to reduced storm amortization.

Other Income and Expenses, net. The increase is primarily due to an increase in clause recovery interest income.

Interest Expense. The increase was primarily due to higher outstanding debt balances and interest rates.

Income Tax Expense. The increase in tax expense was primarily due to an increase in pretax income and EDIT amortization, partially offset by new PTCs.

DUKE ENERGY OHIO

Results of Operations

	Three Months Ended March 31,		
(in millions)	**2023**	**2022**	**Variance**
Operating Revenues			
Regulated electric	$ **474**	$ 412	$ 62
Regulated natural gas	**235**	226	9
Total operating revenues	**709**	638	71
Operating Expenses			
Fuel used in electric generation and purchased power	**176**	127	49
Cost of natural gas	**92**	107	(15)
Operation, maintenance and other	**123**	178	(55)
Depreciation and amortization	**90**	80	10
Property and other taxes	**80**	101	(21)
Total operating expenses	**561**	593	(32)
Operating Income	**148**	45	103
Other Income and Expenses, net	**8**	6	2
Interest Expense	**36**	30	6
Income Before Income Taxes	**120**	21	99
Income Tax Expense (Benefit)	**20**	(56)	76
Net Income	$ **100**	$ 77	$ 23

The following table shows the percent changes in GWh sales of electricity, dekatherms of natural gas delivered and average number of electric and natural gas customers. The percentages for retail customer classes represent billed sales only. Total sales includes billed and unbilled retail sales and wholesale sales to incorporated municipalities, public and private utilities and power marketers. Amounts are not weather-normalized.

	Electric	Natural Gas
Increase (Decrease) over prior year	**2023**	**2023**
Residential sales	**(5.4)%**	**(12.6)%**
General service sales	**(1.9)%**	**(26.6)%**
Industrial sales	**6.8 %**	**7.7 %**
Wholesale electric power sales	**(78.9)%**	**n/a**
Other natural gas sales	**n/a**	**(3.7)%**
Total sales	**(5.9)%**	**(14.1)%**
Average number of customers	**1.3 %**	**0.8 %**

Three Months Ended March 31, 2023, as compared to March 31, 2022

Operating Revenues. The variance was driven primarily by:

- a $51 million increase in fuel-related revenues primarily due to higher retail sales volumes and higher fuel rates in the current year;
- a $33 million increase in price due to 2022 Duke Energy Ohio Electric retail rate case and Ohio tax reform deferrals in prior year; and
- a $15 million increase due to the MGP settlement in the prior year.

Partially offset by:

- a $14 million decrease due to unfavorable weather compared to prior year; and
- a $9 million decrease in retail revenue riders primarily due to the decrease in Distribution Capital Investment Rider (DCI) partially offset by increase in the Ohio CEP rider.

Operating Expenses. The variance was driven primarily by:

- a $55 million decrease in operation, maintenance and other expense primarily due to the MGP settlement in the prior year; and
- a $21 million decrease in property and other taxes primarily due to an Ohio property tax true up partially offset by franchise taxes.

Partially offset by:

- a $34 million increase in fuel expense primarily driven by higher retail prices and increased volumes for natural gas and purchased power; and
- a $10 million increase in depreciation and amortization primarily driven by an increase in distribution plant in service and depreciation rates resulting from the 2022 Duke Energy Ohio Electric retail rate case implemented in 2023.

Income Tax Expense (Benefit). The increase in tax expense was primarily due to a decrease in the amortization of excess deferred taxes related to the MGP Settlement recorded in the prior year and an increase in pretax income.

DUKE ENERGY INDIANA

Results of Operations

	Three Months Ended March 31,		
(in millions)	**2023**	**2022**	**Variance**
Operating Revenues	**$ 975**	$ 822	$ 153
Operating Expenses			
Fuel used in electric generation and purchased power	**449**	319	130
Operation, maintenance and other	**184**	192	(8)
Depreciation and amortization	**158**	156	2
Property and other taxes	**18**	25	(7)
Impairment of assets and other charges	**—**	211	(211)
Total operating expenses	**809**	903	(94)
Operating Income (Loss)	**166**	(81)	247
Other Income and Expenses, net	**14**	10	4
Interest Expense	**52**	45	7
Income (Loss) Before Income Taxes	**128**	(116)	244
Income Tax Expense (Benefit)	**22**	(37)	59
Net Income (Loss)	**$ 106**	$ (79)	$ 185

The following table shows the percent changes in GWh sales and average number of customers. The percentages for retail customer classes represent billed sales only. Total sales includes billed and unbilled retail sales and wholesale sales to incorporated municipalities, public and private utilities and power marketers. Amounts are not weather-normalized.

Increase (Decrease) over prior year	**2023**
Residential sales	**(9.3)%**
General service sales	**(0.3)%**
Industrial sales	**13.1 %**
Wholesale power sales	**(21.2)%**
Total sales	**(7.5)%**
Average number of customers	**1.2 %**

Three Months Ended March 31, 2023, as compared to March 31, 2022

Operating Revenues. The variance was driven primarily by:

- a $152 million increase in retail fuel revenues primarily due to higher fuel cost recovery driven by higher fuel prices; and
- a $37 million increase primarily due to the provision for rate refund recognized in the prior year related to the Indiana Supreme Court ruling.

Partially offset by:

- a $21 million decrease in retail sales due to unfavorable weather; and
- a $16 million decrease in wholesale revenues, including fuel revenues, driven by lower rates and sales as well as lower bulk power marketing price and sharing.

Operating Expenses. The variance was driven primarily by:

- a $211 million decrease in impairment of assets and other charges primarily due to the Indiana Supreme Court ruling on recovery of certain coal ash costs in the prior year.

Partially offset by:

- a $130 million increase in fuel used in electric generation and purchased power primarily due to higher deferred fuel amortization, partially offset by lower purchased power expense and natural gas costs.

Income Tax Expense (Benefit). The increase in tax expense was primarily due to a decrease in pretax income.

PIEDMONT

Results of Operations

	Three Months Ended March 31,		
(in millions)	**2023**	**2022**	**Variance**
Operating Revenues	**$ 675**	$ 805	$ (130)
Operating Expenses			
Cost of natural gas	**206**	374	(168)
Operation, maintenance and other	**89**	95	(6)
Depreciation and amortization	**57**	54	3
Property and other taxes	**16**	16	—
Impairment of assets and other charges	**1**	—	1
Total operating expenses	**369**	539	(170)
Operating Income	**306**	266	40
Other Income and Expenses, net	**16**	13	3
Interest Expense	**40**	32	8
Income Before Income Taxes	**282**	247	35
Income Tax Expense	**50**	33	17
Net Income	**$ 232**	$ 214	$ 18

The following table shows the percent changes in dekatherms delivered and average number of customers. The percentages for all throughput deliveries represent billed and unbilled sales. Amounts are not weather-normalized.

Increase (Decrease) over prior year	**2023**
Residential deliveries	**(22.5)%**
Commercial deliveries	**(19.2)%**
Industrial deliveries	**(4.5)%**
Power generation deliveries	**(6.1)%**
For resale	**(25.5)%**
Total throughput deliveries	**(10.4)%**
Secondary market volumes	**(26.8)%**
Average number of customers	**1.5 %**

The margin decoupling mechanism adjusts for variations in residential and commercial use per customer, including those due to weather and conservation. The weather normalization adjustment mechanisms mostly offset the impact of weather on bills rendered, but do not ensure full recovery of approved margin during periods when winter weather is significantly warmer or colder than normal.

Three Months Ended March 31, 2023, as compared to March 31, 2022

Operating Revenues. The variance was driven primarily by:

- a $168 million decrease due to lower natural gas costs passed through to customers, lower volumes, and decreased off-system sales natural gas costs.

Partially offset by:

- a $13 million increase due to secondary marketing sales;
- a $6 million increase due to North Carolina IMR; and
- a $5 million increase due to customer growth.

Operating Expenses. The variance was driven primarily by:

- a $168 million decrease in cost of natural gas due to lower natural gas costs passed through to customers, lower volumes, and decreased off-system sales natural gas costs.

Interest Expense. The increase was primarily due to higher outstanding debt balances and interest rates.

Income Tax Expense. The increase in tax expense was primarily due to a decrease in the amortization of excess deferred taxes and an increase in pretax income.

LIQUIDITY AND CAPITAL RESOURCES

Sources and Uses of Cash

Duke Energy relies primarily upon cash flows from operations, debt and equity issuances and its existing cash and cash equivalents to fund its liquidity and capital requirements. Duke Energy's capital requirements arise primarily from capital and investment expenditures, repaying long-term debt and paying dividends to shareholders. Additionally, due to its existing tax attributes and projected tax credits to be generated relating to the IRA, Duke Energy does not expect to be a significant federal cash taxpayer until around 2030. Duke Energy's Annual Report on Form 10-K for the year ended December 31, 2022, included a summary and detailed discussion of projected primary sources and uses of cash for 2023 to 2025.

As of March 31, 2023, Duke Energy had approximately $451 million of cash on hand and $5.4 billion available under its $9 billion Master Credit Facility. Duke Energy expects to have sufficient liquidity in the form of cash on hand, cash from operations and available credit capacity to support its funding needs. Refer to Note 6 to the Condensed Consolidated Financial Statements, "Debt and Credit Facilities," for information regarding Duke Energy's debt issuances and maturities, and available credit facilities including the Master Credit Facility.

In April 2023, Moody's Investors Service, Inc. (Moody's) maintained the credit ratings and affirmed the ratings outlook for all of the Duke Energy Registrants, including Duke Energy Ohio. Operations in Kentucky are conducted through Duke Energy Ohio's wholly owned subsidiary, Duke Energy Kentucky. Moody's lowered Duke Energy Kentucky's ratings outlook from stable to negative while maintaining Duke Energy Kentucky's credit rating of Baa1 for senior unsecured debt.

Cash Flow Information

The following table summarizes Duke Energy's cash flows.

	Three Months Ended March 31,	
(in millions)	**2023**	**2022**
Cash flows provided by (used in):		
Operating activities	**$ 1,483**	$ 1,795
Investing activities	**(3,209)**	(2,699)
Financing activities	**1,747**	1,404
Net increase in cash, cash equivalents and restricted cash	**21**	500
Cash, cash equivalents and restricted cash at beginning of period	**603**	520
Cash, cash equivalents and restricted cash at end of period	**$ 624**	$ 1,020

OPERATING CASH FLOWS

The following table summarizes key components of Duke Energy's operating cash flows.

	Three Months Ended March 31,		
(in millions)	**2023**	**2022**	**Variance**
Net income	**$ 761**	$ 820	$ (59)
Non-cash adjustments to net income	**1,563**	1,582	(19)
Payments for asset retirement obligations	**(117)**	(119)	2
Working capital	**(724)**	(488)	(236)
Net cash provided by operating activities	**$ 1,483**	$ 1,795	$ (312)

The variance is primarily due to the timing of accruals and payments in working capital accounts.

INVESTING CASH FLOWS

The following table summarizes key components of Duke Energy's investing cash flows.

	Three Months Ended March 31,		
(in millions)	**2023**	**2022**	**Variance**
Capital, investment and acquisition expenditures	**$ (3,152)**	$ (2,568)	$ (584)
Other investing items	**(57)**	(131)	74
Net cash used in investing activities	**$ (3,209)**	$ (2,699)	$ (510)

The variance is primarily due to higher overall investments in the EU&I segment.

FINANCING CASH FLOWS

The following table summarizes key components of Duke Energy's financing cash flows.

	Three Months Ended March 31,		
(in millions)	2023	2022	Variance
Issuances of long-term debt, net	$ 2,705	$ 2,291	$ 414
Notes payable, commercial paper and other short-term borrowings	(265)	(44)	(221)
Dividends paid	(815)	(799)	(16)
Contributions from noncontrolling interests	206	23	183
Other financing items	(84)	(67)	(17)
Net cash provided by financing activities	$ 1,747	$ 1,404	$ 343

The variance was primarily due to:

- a $414 million increase in net proceeds from issuances of long-term debt, primarily due to timing of issuances and redemptions of long-term debt; and
- a $183 million increase in contributions from noncontrolling interests.

Partially offset by:

- a $221 million decrease in net borrowings from notes payable and commercial paper.

OTHER MATTERS

Environmental Regulations

The Duke Energy Registrants are subject to federal, state and local regulations regarding air and water quality, hazardous and solid waste disposal, coal ash and other environmental matters. These regulations can be changed from time to time and result in new obligations of the Duke Energy Registrants. Refer to Note 4, "Regulatory Matters," in Duke Energy's Annual Report on Form 10-K for the year ended December 31, 2022, for more information regarding potential plant retirements and Note 4, "Regulatory Matters," to the Condensed Consolidated Financial Statements, for further information regarding regulatory filings related to the Duke Energy Registrants.

ITEM 3. QUANTITATIVE AND QUALITATIVE DISCLOSURES ABOUT MARKET RISK

For an in-depth discussion of the Duke Energy Registrants' market risks, see "Quantitative and Qualitative Disclosures about Market Risk" in Item 7 of Duke Energy's Annual Report on Form 10-K for the year ended December 31, 2022.

ITEM 4. CONTROLS AND PROCEDURES

Disclosure Controls and Procedures

Disclosure controls and procedures are controls and other procedures that are designed to ensure that information required to be disclosed by the Duke Energy Registrants in the reports they file or submit under the Exchange Act is recorded, processed, summarized and reported, within the time periods specified by the SEC rules and forms.

Disclosure controls and procedures include, without limitation, controls and procedures designed to provide reasonable assurance that information required to be disclosed by the Duke Energy Registrants in the reports they file or submit under the Exchange Act is accumulated and communicated to management, including the Chief Executive Officer and Chief Financial Officer, as appropriate, to allow timely decisions regarding required disclosure.

Under the supervision and with the participation of management, including the Chief Executive Officer and Chief Financial Officer, the Duke Energy Registrants have evaluated the effectiveness of their disclosure controls and procedures (as such term is defined in Rule 13a-15(e) and 15d-15(e) under the Exchange Act) as of March 31, 2023, and, based on this evaluation, the Chief Executive Officer and Chief Financial Officer have concluded that these controls and procedures are effective in providing reasonable assurance of compliance.

Changes in Internal Control over Financial Reporting

Under the supervision and with the participation of management, including the Chief Executive Officer and Chief Financial Officer, the Duke Energy Registrants have evaluated changes in internal control over financial reporting (as such term is defined in Rules 13a-15 and 15d-15 under the Exchange Act) that occurred during the fiscal quarter ended March 31, 2023, and have concluded no change has materially affected, or is reasonably likely to materially affect, internal control over financial reporting.

OTHER INFORMATION

ITEM 1. LEGAL PROCEEDINGS

The Duke Energy Registrants are, from time to time, parties to various lawsuits and regulatory proceedings in the ordinary course of their business. For information regarding legal proceedings, including regulatory and environmental matters, see Note 4, "Regulatory Matters," and Note 5, "Commitments and Contingencies," to the Condensed Consolidated Financial Statements. For additional information, see Item 3, "Legal Proceedings," in Duke Energy's Annual Report on Form 10-K for the year ended December 31, 2022.

ITEM 1A. RISK FACTORS

In addition to the other information set forth in this report, careful consideration should be given to the factors discussed in Part I, “Item 1A. Risk Factors” in the Duke Energy's Annual Report on Form 10-K for the year ended December 31, 2022, which could materially affect the Duke Energy Registrants’ financial condition or future results.

ITEM 2. UNREGISTERED SALES OF EQUITY SECURITIES AND USE OF PROCEEDS

None.

EXHIBITS

ITEM 6. EXHIBITS

Exhibits filed herein are designated by an asterisk (*). All exhibits not so designated are incorporated by reference to a prior filing, as indicated. Items constituting management contracts or compensatory plans or arrangements are designated by a double asterisk (**). The company agrees to furnish upon request to the commission a copy of any omitted schedules or exhibits upon request on all items designated by a triple asterisk (***).

Exhibit Number		Duke Energy	Duke Energy Carolinas	Progress Energy	Duke Energy Progress	Duke Energy Florida	Duke Energy Ohio	Duke Energy Indiana	Piedmont
4.1	Ninety-fourth Supplemental Indenture, dated as of March 1, 2023 (incorporated by reference to Exhibit 4.1 to registrant's Current Report on Form 8-K filed on March 9, 2023, File No. 1-3382).				X				
4.2	Forty-eighth Supplemental Indenture, dated as of March 22, 2023 (incorporated by reference to Exhibit 4.1 to registrant's Current Report on Form 8-K filed on March 22, 2023, File No. 1-1232).						X		
4.3	Seventy-first Supplemental Indenture, dated as of March 23, 2023 (incorporated by reference to Exhibit 4.1 to registrant's Current Report on Form 8-K filed on March 23, 2023, File No. 1-3543).							X	
4.4	Indenture, dated as of April 6, 2023, by and between Duke Energy Corporation and The Bank of New York Mellon Trust Company, N.A., as Trustee, and form of global note included therein (incorporated by reference to registrant's Current Report on Form 8-K filed on April 6, 2023, File No. 1-32853).	X							
*10.1	Amendment No. 1, dated as of March 17, 2023, to Amended and Restated Credit Agreement, dated as of March 18, 2022	X	X		X	X	X	X	X
*10.2	Lender Waiver Letter, dated as of March 29, 2023, to Amended and Restated Term Loan Credit Agreement, dated as of March 9, 2022	X	X		X	X	X	X	X
10.3**	Restricted Stock Unit Award Agreement (incorporated by reference to Exhibit 10.21 to registrant's Annual Report on Form 10-K for the year ended December 31, 2022, filed on February 27, 2023, File No. 1-32853).	X							
10.4**	Performance Share Award Agreement (incorporated by reference to Exhibit 10.24 to registrant's Annual Report on Form 10-K for the year ended December 31, 2022, Filed on February 27, 2023, File No. 1-32853).	X							
10.5**	Duke Energy Corporation 2023 Long-Term Incentive Plan (incorporated by reference to Appendix C to registrant's DEF14A filed on March 23, 2023, File No. 1-32853).	X							
*10.6**	Duke Energy Corporation Director Compensation Program Summary	X							
*31.1.1	Certification of the Chief Executive Officer Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.	X							
*31.1.2	Certification of the Chief Executive Officer Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.		X						
*31.1.3	Certification of the Chief Executive Officer Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.			X					

EXHIBITS

*31.1.4	Certification of the Chief Executive Officer Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.				X				
*31.1.5	Certification of the Chief Executive Officer Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.					X			
*31.1.6	Certification of the Chief Executive Officer Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.						X		
*31.1.7	Certification of the Chief Executive Officer Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.							X	
*31.1.8	Certification of the Chief Executive Officer Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.								X
*31.2.1	Certification of the Chief Financial Officer Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.	X							
*31.2.2	Certification of the Chief Financial Officer Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.		X						
*31.2.3	Certification of the Chief Financial Officer Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.			X					
*31.2.4	Certification of the Chief Financial Officer Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.				X				
*31.2.5	Certification of the Chief Financial Officer Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.					X			
*31.2.6	Certification of the Chief Financial Officer Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.						X		
*31.2.7	Certification of the Chief Financial Officer Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.							X	
*31.2.8	Certification of the Chief Financial Officer Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.								X
*32.1.1	Certification Pursuant to 18 U.S.C. Section 1350, as Adopted Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.	X							
*32.1.2	Certification Pursuant to 18 U.S.C. Section 1350, as Adopted Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.		X						
*32.1.3	Certification Pursuant to 18 U.S.C. Section 1350, as Adopted Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.			X					
*32.1.4	Certification Pursuant to 18 U.S.C. Section 1350, as Adopted Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.				X				
*32.1.5	Certification Pursuant to 18 U.S.C. Section 1350, as Adopted Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.					X			
*32.1.6	Certification Pursuant to 18 U.S.C. Section 1350, as Adopted Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.						X		
*32.1.7	Certification Pursuant to 18 U.S.C. Section 1350, as Adopted Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.							X	
*32.1.8	Certification Pursuant to 18 U.S.C. Section 1350, as Adopted Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.								X

EXHIBITS

*32.2.1	Certification Pursuant to 18 U.S.C. Section 1350, as Adopted Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.	X							
*32.2.2	Certification Pursuant to 18 U.S.C. Section 1350, as Adopted Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.		X						
*32.2.3	Certification Pursuant to 18 U.S.C. Section 1350, as Adopted Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.			X					
*32.2.4	Certification Pursuant to 18 U.S.C. Section 1350, as Adopted Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.				X				
*32.2.5	Certification Pursuant to 18 U.S.C. Section 1350, as Adopted Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.					X			
*32.2.6	Certification Pursuant to 18 U.S.C. Section 1350, as Adopted Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.						X		
*32.2.7	Certification Pursuant to 18 U.S.C. Section 1350, as Adopted Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.							X	
*32.2.8	Certification Pursuant to 18 U.S.C. Section 1350, as Adopted Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.								X
*101.INS	XBRL Instance Document (this does not appear in the Interactive Data File because its XBRL tags are embedded within the Inline XBRL document).	X	X	X	X	X	X	X	X
*101.SCH	XBRL Taxonomy Extension Schema Document.	X	X	X	X	X	X	X	X
*101.CAL	XBRL Taxonomy Calculation Linkbase Document.	X	X	X	X	X	X	X	X
*101.LAB	XBRL Taxonomy Label Linkbase Document.	X	X	X	X	X	X	X	X
*101.PRE	XBRL Taxonomy Presentation Linkbase Document.	X	X	X	X	X	X	X	X
*101.DEF	XBRL Taxonomy Definition Linkbase Document.	X	X	X	X	X	X	X	X
*104	Cover Page Interactive Data File (formatted in Inline XBRL and contained in Exhibit 101).	X	X	X	X	X	X	X	X

The total amount of securities of the registrant or its subsidiaries authorized under any instrument with respect to long-term debt not filed as an exhibit does not exceed 10% of the total assets of the registrant and its subsidiaries on a consolidated basis. The registrant agrees, upon request of the SEC, to furnish copies of any or all of such instruments to it.

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrants have duly caused this report to be signed on their behalf by the undersigned thereunto duly authorized.

DUKE ENERGY CORPORATION
DUKE ENERGY CAROLINAS, LLC
PROGRESS ENERGY, INC.
DUKE ENERGY PROGRESS, LLC
DUKE ENERGY FLORIDA, LLC
DUKE ENERGY OHIO, INC.
DUKE ENERGY INDIANA, LLC
PIEDMONT NATURAL GAS COMPANY, INC.

Date: May 9, 2023

/s/ BRIAN D. SAVOY

Brian D. Savoy
Executive Vice President and Chief Financial Officer (Principal Financial Officer)

Date: May 9, 2023

/s/ CYNTHIA S. LEE

Cynthia S. Lee
Vice President, Chief Accounting Officer
and Controller
(Principal Accounting Officer)

Exhibit 10.1

Execution Version

AMENDMENT NO. 1 and Consent, dated as of March 17, 2023 (this "***Agreement***"), among DUKE ENERGY CORPORATION (the "***Company***"), DUKE ENERGY CAROLINAS, LLC ("***Duke Energy Carolinas***"), DUKE ENERGY OHIO, INC. ("***Duke Energy Ohio***"), DUKE ENERGY INDIANA, LLC ("***Duke Energy Indiana***"), DUKE ENERGY KENTUCKY, INC. ("***Duke Energy Kentucky***"), DUKE ENERGY PROGRESS, LLC (f/k/a PROGRESS ENERGY CAROLINAS, INC.) ("***Duke Energy Progress***"), DUKE ENERGY FLORIDA, LLC (f/k/a PROGRESS ENERGY FLORIDA, INC.) ("***Duke Energy Florida***") and PIEDMONT NATURAL GAS COMPANY, INC. ("***Piedmont***"), the LENDERS party hereto (the "***Lenders***"), the ISSUING LENDERS party hereto (the "***Issuing Lenders***"), WELLS FARGO BANK, NATIONAL ASSOCIATION, as Administrative Agent and Swingline Lender.

A. Reference is made to the Amended and Restated Credit Agreement dated as of March 18, 2022 ("***Existing Credit Agreement***"), among the Company, Duke Energy Carolinas, Duke Energy Ohio, Duke Energy Indiana, Duke Energy Kentucky, Duke Energy Progress, Duke Energy Florida and Piedmont (the "***Borrowers***"), the Lenders party thereto (the "***Existing Lenders***") and Wells Fargo Bank, National Association, as administrative agent for the Lenders (in such capacity, the "***Administrative Agent***") and as swingline lender (in such capacity, the "***Swingline Lender***").

B. The Company has requested to exercise one of the two remaining extension options pursuant to Section 2.01(b) of the Existing Credit Agreement to extend the Commitment Termination Date for one year (the "***Extension***").

C. The Borrowers have requested that certain amendments be made to the Existing Credit Agreement, including resetting the Company's extension options so the Company has two extension options remaining, as more fully set forth herein (the "***Amendments***").

D. The Lenders party hereto have agreed to the Extension of the Existing Credit Agreement and the Amendments of the Existing Credit Agreement as set forth herein and as amended hereby (the Existing Credit Agreement as so amended being referred to as the "***Amended Credit Agreement***").

Accordingly, in consideration of the mutual agreements herein contained and for other good and valuable consideration, the sufficiency and receipt of which are hereby acknowledged, the parties hereto agree as follows:

SECTION 1. ***Terms Generally***. (a) The rules of construction set forth in Section 1.01 of the Amended Credit Agreement shall apply *mutatis mutandis* to this Agreement. Capitalized terms used but not defined herein have the meanings assigned thereto in the Amended Credit Agreement.

(a) As used in this Agreement, "***Effective Date***" shall have the meaning assigned to such term in Section 6.

SECTION 2. ***Amendments to Existing Credit Agreement***.

(a) Cover Page.

(i) The cover page of the Existing Credit Agreement is hereby amended by replacing "Citigroup Global Markets, Inc." with "Citibank, N.A."

(b) Definitions.

(i) Section 1.01 of the Existing Credit Agreement is hereby amended by adding the following defined term in the appropriate alphabetical order:

"First Amendment Effective Date" means March 17, 2023.

(ii) Commitment Termination Date. The definition of "Commitment Termination Date" is hereby amended and restated in its entirety as follows:

"Commitment Termination Date" means, for each Lender, March 17, 2028, as such date may be extended from time to time with respect to such Lender pursuant to Section 2.01(b) or, if such day is not a Domestic Business Day, the next preceding Domestic Business Day

(c) Amendment to Section 2.01(b). Section 2.01(b) of the Existing Credit Agreement is hereby amended by deleting the term "Effective Date" and substituting the term "First Amendment Effective Date" therefor.

(d) Amendment to Section 5.09. The first sentence of Section 5.09 of the Existing Credit Agreement is hereby amended by deleting the phrase "including liquidity support for commercial paper and acquisitions".

(e) Amendment to Section 6.01(f). Section 6.01(f) is hereby amended and restated in its entirety as follows:

any event or condition shall occur and shall continue beyond the applicable grace or cure period, if any, provided with respect thereto so as to result in the acceleration of the maturity of Material Debt (other than (x) any event that permits (i) holders of any Material Debt constituting convertible indebtedness of such Borrower to convert such Material Debt pursuant to their terms or (ii) the conversion of any Material Debt constituting convertible indebtedness of such Borrower pursuant to their terms, in either case, into common stock of such Borrower (or other securities or property following a merger event, reclassification or other change of the common stock of such Borrower), cash or a combination thereof, unless, in either case, such conversion results from a default thereunder or an event of the type that constitutes an Event of Default, and (y) any termination of any related swap or hedging instrument);

SECTION 3. ***Extension of Commitment Termination Date***. Each Lender, by executing this Agreement hereby agrees, effective as of the Effective Date, to extend its Commitment and Commitment Termination Date under the Existing Credit Agreement for one year to March 17, 2028 pursuant to Section 2.01(b) of the Existing Credit Agreement. After giving effect to this Agreement, the Borrowers will have two (2) remaining extension options available under Section 2.01(b) of the Amended Credit Agreement. Any Lender which does not execute this Agreement shall be deemed to have elected not to extend the Commitment Termination Date, and the Commitment of each non-extending Lender shall terminate on its Commitment Termination Date determined without giving effect to such requested extension.

SECTION 4. ***[Reserved]***.

SECTION 5. ***Representations and Warranties***. To induce the other parties hereto to enter into this Agreement, each Borrower party hereto represents and warrants to the Administrative Agent and each of the Lenders that:

(a) The execution, delivery and performance by such Borrower of this Agreement and the Notes are within such Borrower's powers, have been duly authorized by all necessary company action, require no action by or in respect of, or filing with, any Governmental Authority (except for consents, authorizations or filings which have been obtained or made, as the case may be, and are in full force and effect) and do not contravene, or constitute a default under, any provision of applicable law or regulation or of the articles of incorporation, by laws, certificate of formation or the limited liability company agreement of such Borrower or of any material agreement, judgment, injunction, order, decree or other instrument binding upon such Borrower or result in the creation or imposition of any Lien on any asset of such Borrower or any of its Material Subsidiaries.

(b) This Agreement constitutes a valid and binding agreement of such Borrower and each Note, if and when executed and delivered by it in accordance with this Agreement, will constitute a valid and binding obligation of such Borrower, in each case enforceable in accordance with its terms, except as the same may be limited by bankruptcy, insolvency or similar laws affecting creditors' rights generally and by general principles of equity.

(c) Each of the representations and warranties made by such Borrower in Article 4 of the Amended Credit Agreement is true and correct in all material respects on and as of the date hereof, except to the extent such representations and warranties expressly relate to an earlier date (in which case they shall be true and correct on and as of such earlier date); *provided* that any representation and warranty that is qualified by materiality or material adverse effect shall be true and correct in all respects on and as of the date hereof, except to the extent such representations and warranties expressly relate to an earlier date (in which case they shall be true and correct on and as of such earlier date).

(d) No Event of Default or Default has occurred and is continuing as of the date hereof.

SECTION 6. ***Conditions to Effectiveness***. The Amendments in Section 2 and the Extension in Section 3 shall become effective as of the date (the "***Effective Date***") on which each of the following conditions precedent shall have been satisfied:

(a) (1) With respect to the Amendments in Section 2, the Administrative Agent shall have received duly executed counterparts of this Agreement from the Borrowers and the Required Lenders consenting to this Agreement, and (2) with respect to the Extension in Section 3, the Administrative Agent shall have received duly executed counterparts of this Agreement from the Borrowers and the Lenders having Commitments in an aggregate amount equal to at least 51% of the Commitments in effect on the Effective Date.

(b) The Administrative Agent shall have received a certificate signed by a Vice President, the Treasurer, an Assistant Treasurer or the Controller of the Company, dated the Effective Date, to the effect set forth in clauses (c) and (d) of Section 5 above;

(c) The Administrative Agent shall have received all documents it may have reasonably requested prior to the Effective Date relating to the existence of the Borrowers, the corporate authority for and the validity of this Agreement and the Notes, and any other matters relevant hereto, all in form and substance satisfactory to the Administrative Agent;

(d) The Administrative Agent shall have received all fees and other amounts due and payable on or prior to the Effective Date, fees and expenses required to be paid or delivered by the Company on the Effective Date pursuant to the certain fee letter dated as of February 27, 2023 among the arrangers party thereto and the Company, and to the extent invoiced, reimbursement or payment of all out of pocket expenses required to be reimbursed or paid by the Company hereunder.

(e) The Administrative Agent shall have received, at least three Domestic Business Days prior to the Effective Date, all documentation and other information about the Borrowers that shall have been reasonably requested by the Administrative Agent in writing at least 10 Domestic Business Days prior to the Effective Date and that the Administrative Agent reasonably determines is required by United States regulatory authorities under applicable "know your customer" and anti-money laundering rules and regulations, including without limitation the Patriot Act and the Beneficial Ownership Regulation.

SECTION 7. ***Effect of Amendments***. Except as expressly set forth herein, this Agreement shall not by implication or otherwise limit, impair, constitute a waiver of, or otherwise affect the rights and remedies of the Administrative Agent or each of the Lenders under the Existing Credit Agreement and shall not alter, modify, amend or in any way affect any of the terms, conditions, obligations, covenants or agreements contained in the Existing Credit Agreement, all of which are ratified and affirmed in all respects and shall continue in full force and effect. Nothing herein shall be deemed to entitle any Borrower to a consent to, or a waiver, amendment, modification or other change of, any of the terms, conditions, obligations, covenants or agreements contained in the Existing Credit Agreement in similar or different circumstances. This Agreement shall apply and be effective only with respect to the provisions of the Existing Credit Agreement specifically referred to herein. This Agreement constitutes a "Loan Document," as such term is defined and referred to in the Existing Credit Agreement.

SECTION 8. ***Notices***. All notices hereunder shall be given in accordance with the provisions of Section 9.01 of the Amended Credit Agreement.

SECTION 9. ***Counterparts; Integration; Electronic Execution***. This Agreement may be executed in counterparts (and by different parties hereto on different counterparts), each of which shall constitute an original but all of which when taken together shall constitute a single contract. Delivery of an executed signature page to this Agreement by facsimile or other means of electronic transmission shall be as effective as delivery of a manually signed counterpart of this Agreement. This Agreement is subject to the Electronic Execution provisions contained in Section 9.10(b) of the Amended Credit Agreement. This Agreement constitutes the entire contract among the parties hereto with respect to the subject matter hereof and supersedes any and all prior agreements and understandings, oral or written, relating to the subject matter hereof.

SECTION 10. ***Severability***. To the extent any provision of this Agreement is prohibited by or invalid under the applicable law of any jurisdiction, such provision shall be ineffective only to the extent of such prohibition or invalidity and only in any such jurisdiction, without prohibiting or invalidating such provision in any other jurisdiction or the remaining provisions of this Agreement in any jurisdiction.

SECTION 11. ***Expenses***. The Borrowers shall pay all reasonable and documented fees and expenses of counsel to the Administrative Agent in connection with the preparation, negotiation, execution and delivery of this Agreement.

SECTION 12. ***APPLICABLE LAW, SUBMISSION TO JURISDICTION***. THIS AGREEMENT SHALL BE CONSTRUED IN ACCORDANCE WITH AND GOVERNED BY THE LAW OF THE STATE OF NEW YORK. EACH BORROWER AND EACH LENDER PARTY HEREBY SUBMITS TO THE EXCLUSIVE JURISDICTION OF THE UNITED STATES DISTRICT COURT FOR THE SOUTHERN DISTRICT OF NEW YORK AND OF ANY NEW YORK STATE COURT SITTING IN NEW YORK COUNTY FOR PURPOSES OF ALL LEGAL PROCEEDINGS ARISING OUT OF OR RELATING TO THIS AGREEMENT OR THE TRANSACTIONS CONTEMPLATED HEREBY. EACH BORROWER AND EACH LENDER PARTY IRREVOCABLY WAIVES, TO THE FULLEST EXTENT PERMITTED BY LAW, ANY OBJECTION WHICH IT MAY NOW OR

HEREAFTER HAVE TO THE LAYING OF THE VENUE OF ANY SUCH PROCEEDING BROUGHT IN SUCH A COURT AND ANY CLAIM THAT ANY SUCH PROCEEDING BROUGHT IN SUCH A COURT HAS BEEN BROUGHT IN AN INCONVENIENT FORUM.

SECTION 13. ***WAIVER OF JURY TRIAL***. EACH OF THE BORROWERS, THE AGENTS, THE ISSUING LENDERS AND THE LENDERS, TO THE FULLEST EXTENT IT MAY EFFECTIVELY DO SO UNDER APPLICABLE LAW, HEREBY IRREVOCABLY WAIVES ANY AND ALL RIGHT TO TRIAL BY JURY IN ANY LEGAL PROCEEDING ARISING OUT OF OR RELATING TO THIS AGREEMENT OR THE TRANSACTIONS CONTEMPLATED HEREBY.

SECTION 14. ***Successors and Assigns***. This Agreement shall be binding upon, inure to the benefit of and be enforceable by the respective successors and permitted assigns of the parties hereto.

SECTION 15. ***Headings***. The headings used herein are for convenience of reference only, are not part of this Agreement and are not to affect the construction of, or to be taken into consideration in interpreting, this Agreement.

[Remainder of this page intentionally left blank]

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be duly executed by their respective authorized officers as of the date and year first above written.

DUKE ENERGY CORPORATION
By:

/s/ Michael Hendershott

Name:	Michael Hendershott
Title:	Assistant Treasurer
Address:	550 South Tryon Street Charlotte, NC 28202
Attention:	Treasury Department
Telecopy number:	704-382-4935
Taxpayer ID:	20-2777218

DUKE ENERGY CAROLINAS, LLC
By:

/s/ Michael Hendershott

Name:	Michael Hendershott
Title:	Assistant Treasurer
Address:	550 South Tryon Street Charlotte, NC 28202
Attention:	Treasury Department
Telecopy number:	704-382-4935
Taxpayer ID:	56-0205520

DUKE ENERGY OHIO, INC.
By:

/s/ Michael Hendershott

Name:	Michael Hendershott
Title:	Assistant Treasurer
Address:	550 South Tryon Street Charlotte, NC 28202
Attention:	Treasury Department
Telecopy number:	704-382-4935
Taxpayer ID:	31-0240030

[Signature Page to Amendment No. 1 and Consent]

DUKE ENERGY INDIANA, LLC
By:

/s/ Michael Hendershott

Name:	Michael Hendershott
Title:	Assistant Treasurer
Address:	550 South Tryon Street Charlotte, NC 28202
Attention:	Treasury Department
Telecopy number:	704-382-4935
Taxpayer ID:	35-0594457

DUKE ENERGY KENTUCKY, INC.
By:

/s/ Michael Hendershott

Name:	Michael Hendershott
Title:	Assistant Treasurer
Address:	550 South Tryon Street Charlotte, NC 28202
Attention:	Treasury Department
Telecopy number:	704-382-4935
Taxpayer ID:	31-0473080

DUKE ENERGY PROGRESS, LLC
By:

/s/ Michael Hendershott

Name:	Michael Hendershott
Title:	Assistant Treasurer
Address:	550 South Tryon Street Charlotte, NC 28202
Attention:	Treasury Department
Telecopy number:	704-382-4935
Taxpayer ID:	56-0165465

DUKE ENERGY FLORIDA, LLC
By:

/s/ Michael Hendershott

Name:	Michael Hendershott
Title:	Assistant Treasurer
Address:	550 South Tryon Street Charlotte, NC 28202
Attention:	Treasury Department
Telecopy number:	704-382-4935
Taxpayer ID:	59-0247770

PIEDMONT NATURAL GAS COMPANY, INC.
By:

/s/ Michael Hendershott

Name:	Michael Hendershott
Title:	Assistant Treasurer
Address:	550 South Tryon Street Charlotte, NC 28202
Attention:	Treasury Department
Telecopy number:	704-382-4935
Taxpayer ID:	56-0556998

WELLS FARGO BANK, NATIONAL ASSOCIATION, individually and as Administrative Agent, Issuing Lender, Swingline Lender and Lender

By
_/s/ Patrick Engel__________________
Name: Patrick Engel
Title: Managing Director

Bank of America, N.A., as Lender and Issuing Lender

By _/s/ Christopher J. Heitker
Name: Christopher J. Heitker
Title: Director

[Signature Page to Amendment No. 1 and Consent]

JPMORGAN CHASE BANK, N.A., as Lender and Issuing Lender

By /s/ Khawaja Tariq
Name: Khawaja Tariq
Title: Vice President

[Signature Page to Amendment No. 1 and Consent]

Mizuho Bank, Ltd., as Lender and Issuing Lender

By /s/ Edward Sacks
Name: Edward Sacks
Title: Authorized Signatory

Bank of China, New York Branch., as Lender and Issuing Lender

By /s/ Raymond Qiao
Name: Raymond Qiao
Title: Executive Vice President

[Signature Page to Amendment No. 1 and Consent]

BARCLAYS BANK PLC, as Lender and Issuing Lender

By /s/ Sydney G. Dennis
Name: Sydney G. Dennis
Title: Director

CITIBANK, N.A., as Lender and Issuing Lender

By /s/ Richard Rivera
Name: Richard Rivera
Title: Vice President

CREDIT SUISSE AG, CAYMAN ISLANDS BRANCH, as Lender and Issuing Lender

By /s/ Doreen Barr
Name: Doreen Barr
Title: Authorized Signatory

By /s/ Michael Dieffenbacher
Name: Michael Dieffenbacher
Title: Authorized Signatory

Royal Bank of Canada, as Lender and Issuing Lender

By /s/ Martina Wellik
Name: Martina Wellik
Title: Authorized Signatory

[Signature Page to Amendment No. 1 and Consent]

MUFG BANK, LTD., as Lender and Issuing Lender:

By /s/ Nietzsche Rodricks
Name: Nietzsche Rodricks
Title: Managing Director

Truist Bank

By /s/ Catherine Strickland
Name: Catherine Strickland
Title: Vice President

[Signature Page to Amendment No. 1 and Consent]

PNC BANK, NATIONAL ASSOCIATION, as Lender

By /s/ Rebecca Shellenbarger
Name: Rebecca Shellenbarger
Title: Assistant Vice President

SUMITOMO MITSUI BANKING CORPORATION, as Lender

By /s/ Suela Von Bargen
Name: Suela Von Bargen
Title: Director

BNP Paribas, as Lender

By /s/ Dennis O'Meara
Name: Dennis O'Meara
Title: Managing Director

By /s/ Victor Padilla
Name: Victor Padilla
Title: Vice President

[Signature Page to Amendment No. 1 and Consent]

GOLDMAN SACHS BANK USA, as Lender

By /s/ Andrew B. Vernon
Name: Andrew Vernon
Title: Authorized Signatory

Morgan Stanley Bank, N. A., as Lender

By /s/ Michael King
Name: Michael King
Title: Authorized Signatory

TD Bank, N.A., as Lender

By /s/ Bernadette Collins
Name: Bernadette Collins
Title: Senior Vice President

[Signature Page to Amendment No. 1 and Consent]

The Bank of Nova Scotia, as Lender

By /s/ David Dewar
Name: David Dewar
Title: Director

U.S. BANK NATIONAL ASSOCIATION, as Lender

By /s/ James O'Shaughnessy
Name: James O'Shaughnessy
Title: Vice President

[Signature Page to Amendment No. 1 and Consent]

KEYBANK NATIONAL ASSOCIATION, as Lender

By /s/ Lisa A. Ryder
Name: Lisa A. Ryder
Title: Senior Vice President

REGIONS BANK, as Lender

By /s/ Tedrick Tarver

Name: Tedrick Tarver

Title: Director

[Signature Page to Amendment No. 1 and Consent]

BANCO SANTANDER, S.A., NEW YORK BRANCH, as Lender

By /s/ Andres Barbosa
Name: Andres Barbosa
Title: Managing Director

By /s/ Daniel Kostman
Name: Daniel Kostman
Title: Executive Director

[Signature Page to Amendment No. 1 and Consent]

The Bank of New York Mellon, as Lender

By /s/ Molly H. Ross
Name: Molly H. Ross
Title: Vice President

The Northern Trust Company, as Lender

By /s/ Andrew D. Holtz
Name: Andrew D. Holtz
Title: Senior Vice President

Bank of Montreal, Chicago Branch, as Lender

By /s/ Darren Thomas
Name: Darren Thomas
Title: Director

Exhibit 10.2

526 South Church Street
Charlotte, NC 28202

March 29, 2023

To the Lenders under the Term Loan Credit Agreement, dated as of March 9, 2022, by and among Duke Energy Corporation (the "Company") and the lenders referred to therein (the "Term Loan Credit Agreement")

Re: Waiver of notice under Section 9.05(b) of the Term Loan Credit Agreement

As a Lender under the Master Credit Facility, you previously agreed to an amendment to section 6.01(f) of that agreement, relating to convertible securities, effective March 17, 2023. Section 9.05(b) of the Term Loan Credit Agreement provides that any amendment to Article 6 of the Master Credit Facility automatically applies to the Term Loan Credit Agreement, provided that (x) the effectiveness of that amendment to the Term Loan Credit Agreement shall be the later of (i) the effectiveness of the Master Credit Facility Change, and (ii) 30 days after the Company gives notice of the Master Credit Facility change to the Administrative Agent under the Term Loan Credit Agreement, and (y) the Required Lenders do not notify the Company within 30 days that the Master Credit Facility Change shall not be effective to the Term Loan Credit Agreement.

In order for the Company to offer and sell convertible securities as early as April 3, 2023, the Company requests a waiver of the 30-day notice periods referenced in section 9.05(b) of the Term Loan Credit Agreement to cause the automatic adoption of the amendment to 6.01(f) in the Term Loan Credit Agreement to be effective no later than March 31, 2023.

The Company requests that each Lender execute its signature page attached to this letter and return a scanned copy of the respective executed page to my attention by **3:00 p.m. (Eastern) on Friday, March 31, 2023**.

Terms capitalized herein shall have the meanings ascribed to them in the Term Loan Credit Agreement.

Thank you for your consideration.

/s/ Michael S. Hendershott
Michael S. Hendershott
Assistant Treasurer

[Signature Pages Follow]

Exhibit 10.2

The Bank of Nova Scotia, as a Lender and as Administrative Agent

By:/s/ David Dewar ___________________
Name: David Dewar
Title: Director

[Signature Page to Waiver Letter]

Exhibit 10.2

Bank of China, New York Branch, as a Lender

By:/s/ Raymond Qiao__________________
Name: Raymond Qiao
Title: Executive Vice President

[Signature Page to Waiver Letter]

Exhibit 10.2

BNP Paribas, as a Lender

By:/s/ Denis O' Meara ______________
Name: Denis O' Meara
Title: Managing Director

By: /s/ Victor Padilla________________
Name: Victor Padilla
Title: Vice President

[Signature Page to Waiver Letter]

Exhibit 10.2

PNC Bank, National Association, as a Lender

By:/s/ Raymond Rockwood______________
Name: Raymond Rockwood
Title: Vice President

[Signature Page to Waiver Letter]

Exhibit 10.2

Regions Bank, as a Lender

By:/s/ Tedrick Tarver________
Name: Tedrick Tarver
Title: Director

[Signature Page to Waiver Letter]

Exhibit 10.2

Sumitomo Mitsui Banking Corporation, as a Lender

By:/s/ Alkesh V. Nanavaty_____________
Name: Alkesh V. Nanavaty
Title: Executive Director

[Signature Page to Waiver Letter]

Exhibit 10.2

TD Bank, N.A., as a Lender

By: /s/ Steve Levi ______________________
Name: Steve Levi
Title: Senior Vice President

[Signature Page to Waiver Letter]

Exhibit 10.2

U.S. Bank National Association, as a Lender

By: /s/ James O' Shaughnessy ____________
Name: James O' Shaughnessy
Title: Vice President

[Signature Page to Waiver Letter]

Exhibit 10.2

Wells Fargo Bank, National Association, as a Lender

By: /s/ Patrick Engel___________________
Name: Patrick Engel
Title: Managing Director

[Signature Page to Waiver Letter]

Exhibit 10.2

KeyBank National Association, as a Lender

By: /s/ Lisa A. Ryder
Name: Lisa A. Ryder
Title: Senior Vice President

[Signature Page to Waiver Letter]

Exhibit 10.6

Effective May 4, 2023, the compensation paid to our outside directors will consist of:

Type of Fee	Fee
Annual Board Retainer (Cash)	$125,000
Annual Board Retainer (Stock)	$175,000
Annual non-executive Chairman of the Board Retainer, if applicable	$100,000
Annual Lead Director Retainer, if applicable	$40,000
Annual Audit Committee Chair Retainer	$25,000
Annual Committee Chair Retainer (Other Committees)	$20,000
Additional Annual Board Retainer (Cash) (up to one) If director meets one or more of the following during the calendar year: • Serves as a member of a special committee • Attends (in person) more than two off-site committee meetings (excluding the annual Board retreat) • Attends more than thirty (30) meetings of the Board and its regular standing committees	$10,000

EXHIBIT 31.1.1

CERTIFICATION OF THE CHIEF EXECUTIVE OFFICER
PURSUANT TO SECTION 302 OF THE SARBANES-OXLEY ACT OF 2002

I, Lynn J. Good, certify that:

1) I have reviewed this quarterly report on Form 10-Q of Duke Energy Corporation;

2) Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;

3) Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;

4) The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Acts Rules 13a-15(f) and 15d-15(f)) for the registrant and have:

   a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;

   b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;

   c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and

   d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and

5) The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):

   a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and

   b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: May 9, 2023

/s/ LYNN J. GOOD

Lynn J. Good
Chair, President and
Chief Executive Officer

EXHIBIT 31.1.2

**CERTIFICATION OF THE CHIEF EXECUTIVE OFFICER
PURSUANT TO SECTION 302 OF THE SARBANES-OXLEY ACT OF 2002**

I, Lynn J. Good, certify that:

1) I have reviewed this quarterly report on Form 10-Q of Duke Energy Carolinas, LLC;

2) Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;

3) Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;

4) The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Acts Rules 13a–15(f) and 15d–15(f)) for the registrant and have:

   a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;

   b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;

   c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and

   d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and

5) The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):

   a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and

   b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: May 9, 2023

/s/ LYNN J. GOOD

Lynn J. Good
Chief Executive Officer

EXHIBIT 31.1.3

CERTIFICATION OF THE CHIEF EXECUTIVE OFFICER
PURSUANT TO SECTION 302 OF THE SARBANES-OXLEY ACT OF 2002

I, Lynn J. Good, certify that:

1) I have reviewed this quarterly report on Form 10-Q of Progress Energy, Inc.;

2) Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;

3) Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;

4) The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Acts Rules 13a–15(f) and 15d–15(f)) for the registrant and have:

   a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;

   b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;

   c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and

   d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and

5) The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):

   a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and

   b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: May 9, 2023

/s/ LYNN J. GOOD

Lynn J. Good
Chief Executive Officer

EXHIBIT 31.1.4

CERTIFICATION OF THE CHIEF EXECUTIVE OFFICER
PURSUANT TO SECTION 302 OF THE SARBANES-OXLEY ACT OF 2002

I, Lynn J. Good, certify that:

1) I have reviewed this quarterly report on Form 10-Q of Duke Energy Progress, LLC;

2) Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;

3) Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;

4) The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Acts Rules 13a–15(f) and 15d–15(f)) for the registrant and have:

   a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;

   b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;

   c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and

   d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and

5) The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):

   a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and

   b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: May 9, 2023

/s/ LYNN J. GOOD

Lynn J. Good
Chief Executive Officer

EXHIBIT 31.1.5

CERTIFICATION OF THE CHIEF EXECUTIVE OFFICER
PURSUANT TO SECTION 302 OF THE SARBANES-OXLEY ACT OF 2002

I, Lynn J. Good, certify that:

1) I have reviewed this quarterly report on Form 10-Q of Duke Energy Florida, LLC;

2) Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;

3) Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;

4) The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Acts Rules 13a–15(f) and 15d–15(f)) for the registrant and have:

   a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;

   b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;

   c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and

   d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and

5) The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):

   a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and

   b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: May 9, 2023

/s/ LYNN J. GOOD

Lynn J. Good
Chief Executive Officer

EXHIBIT 31.1.6

CERTIFICATION OF THE CHIEF EXECUTIVE OFFICER
PURSUANT TO SECTION 302 OF THE SARBANES-OXLEY ACT OF 2002

I, Lynn J. Good, certify that:

1) I have reviewed this quarterly report on Form 10-Q of Duke Energy Ohio, Inc.;

2) Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;

3) Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;

4) The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Acts Rules 13a-15(f) and 15d-15(f)) for the registrant and have:

   a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;

   b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;

   c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and

   d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and

5) The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):

   a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and

   b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: May 9, 2023

/s/ LYNN J. GOOD

Lynn J. Good
Chief Executive Officer

EXHIBIT 31.1.7

**CERTIFICATION OF THE CHIEF EXECUTIVE OFFICER
PURSUANT TO SECTION 302 OF THE SARBANES-OXLEY ACT OF 2002**

I, Lynn J. Good, certify that:

1) I have reviewed this quarterly report on Form 10-Q of Duke Energy Indiana, LLC;

2) Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;

3) Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;

4) The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Acts Rules 13a-15(f) and 15d-15(f)) for the registrant and have:

   a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;

   b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;

   c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and

   d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and

5) The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):

   a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and

   b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: May 9, 2023

/s/ LYNN J. GOOD

Lynn J. Good
Chief Executive Officer

EXHIBIT 31.1.8

CERTIFICATION OF THE CHIEF EXECUTIVE OFFICER
PURSUANT TO SECTION 302 OF THE SARBANES-OXLEY ACT OF 2002

I, Lynn J. Good, certify that:

1) I have reviewed this quarterly report on Form 10-Q of Piedmont Natural Gas Company, Inc.;

2) Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;

3) Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;

4) The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Acts Rules 13a-15(f) and 15d-15(f)) for the registrant and have:

   a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;

   b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;

   c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and

   d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and

5) The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):

   a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and

   b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: May 9, 2023

/s/ LYNN J. GOOD

Lynn J. Good
Chief Executive Officer

EXHIBIT 31.2.1

CERTIFICATION OF THE CHIEF FINANCIAL OFFICER
PURSUANT TO SECTION 302 OF THE SARBANES-OXLEY ACT OF 2002

I, Brian D. Savoy, certify that:

1) I have reviewed this quarterly report on Form 10-Q of Duke Energy Corporation;

2) Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;

3) Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;

4) The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Acts Rules 13a-15(f) and 15d-15(f)) for the registrant and have:

   a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;

   b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;

   c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and

   d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and

5) The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):

   a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and

   b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: May 9, 2023

/s/ BRIAN D. SAVOY

Brian D. Savoy
Executive Vice President and Chief Financial Officer

EXHIBIT 31.2.2

CERTIFICATION OF THE CHIEF FINANCIAL OFFICER
PURSUANT TO SECTION 302 OF THE SARBANES-OXLEY ACT OF 2002

I, Brian D. Savoy, certify that:

1) I have reviewed this quarterly report on Form 10-Q of Duke Energy Carolinas, LLC;

2) Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;

3) Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;

4) The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Acts Rules 13a–15(f) and 15d–15(f)) for the registrant and have:

   a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;

   b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;

   c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and

   d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and

5) The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):

   a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and

   b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: May 9, 2023

/s/ BRIAN D. SAVOY

Brian D. Savoy
Executive Vice President and Chief Financial Officer

EXHIBIT 31.2.3

CERTIFICATION OF THE CHIEF FINANCIAL OFFICER
PURSUANT TO SECTION 302 OF THE SARBANES-OXLEY ACT OF 2002

I, Brian D. Savoy, certify that:

1) I have reviewed this quarterly report on Form 10-Q of Progress Energy, Inc.;

2) Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;

3) Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;

4) The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Acts Rules 13a–15(f) and 15d–15(f)) for the registrant and have:

   a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;

   b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;

   c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and

   d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and

5) The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):

   a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and

   b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: May 9, 2023

/s/ BRIAN D. SAVOY

Brian D. Savoy
Executive Vice President and Chief Financial Officer

EXHIBIT 31.2.4

CERTIFICATION OF THE CHIEF FINANCIAL OFFICER
PURSUANT TO SECTION 302 OF THE SARBANES-OXLEY ACT OF 2002

I, Brian D. Savoy, certify that:

1) I have reviewed this quarterly report on Form 10-Q of Duke Energy Progress, LLC;

2) Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;

3) Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;

4) The registrant’s other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Acts Rules 13a–15(f) and 15d–15(f)) for the registrant and have:

   a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;

   b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;

   c) Evaluated the effectiveness of the registrant’s disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and

   d) Disclosed in this report any change in the registrant’s internal control over financial reporting that occurred during the registrant’s most recent fiscal quarter (the registrant’s fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant’s internal control over financial reporting; and

5) The registrant’s other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant’s auditors and the audit committee of the registrant’s board of directors (or persons performing the equivalent functions):

   a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant’s ability to record, process, summarize and report financial information; and

   b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant’s internal control over financial reporting.

Date: May 9, 2023

/s/ BRIAN D. SAVOY

Brian D. Savoy
Executive Vice President and Chief Financial Officer

EXHIBIT 31.2.5

CERTIFICATION OF THE CHIEF FINANCIAL OFFICER
PURSUANT TO SECTION 302 OF THE SARBANES-OXLEY ACT OF 2002

I, Brian D. Savoy, certify that:

1) I have reviewed this quarterly report on Form 10-Q of Duke Energy Florida, LLC;

2) Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;

3) Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;

4) The registrant’s other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Acts Rules 13a–15(f) and 15d–15(f)) for the registrant and have:

   a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;

   b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;

   c) Evaluated the effectiveness of the registrant’s disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and

   d) Disclosed in this report any change in the registrant’s internal control over financial reporting that occurred during the registrant’s most recent fiscal quarter (the registrant’s fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant’s internal control over financial reporting; and

5) The registrant’s other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant’s auditors and the audit committee of the registrant’s board of directors (or persons performing the equivalent functions):

   a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant’s ability to record, process, summarize and report financial information; and

   b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant’s internal control over financial reporting.

Date: May 9, 2023

/s/ BRIAN D. SAVOY

Brian D. Savoy
Executive Vice President and Chief Financial Officer

EXHIBIT 31.2.6

CERTIFICATION OF THE CHIEF FINANCIAL OFFICER
PURSUANT TO SECTION 302 OF THE SARBANES-OXLEY ACT OF 2002

I, Brian D. Savoy, certify that:

1) I have reviewed this quarterly report on Form 10-Q of Duke Energy Ohio, Inc.;

2) Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;

3) Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;

4) The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Acts Rules 13a-15(f) and 15d-15(f)) for the registrant and have:

   a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;

   b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;

   c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and

   d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and

5) The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):

   a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and

   b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: May 9, 2023

/s/ BRIAN D. SAVOY

Brian D. Savoy
Executive Vice President and Chief Financial Officer

EXHIBIT 31.2.7

CERTIFICATION OF THE CHIEF FINANCIAL OFFICER
PURSUANT TO SECTION 302 OF THE SARBANES-OXLEY ACT OF 2002

I, Brian D. Savoy, certify that:

1) I have reviewed this quarterly report on Form 10-Q of Duke Energy Indiana, LLC;

2) Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;

3) Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;

4) The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Acts Rules 13a-15(f) and 15d-15(f)) for the registrant and have:

   a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;

   b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;

   c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and

   d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and

5) The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):

   a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and

   b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: May 9, 2023

/s/ BRIAN D. SAVOY

Brian D. Savoy
Executive Vice President and Chief Financial Officer

EXHIBIT 31.2.8

**CERTIFICATION OF THE CHIEF FINANCIAL OFFICER
PURSUANT TO SECTION 302 OF THE SARBANES-OXLEY ACT OF 2002**

I, Brian D. Savoy, certify that:

1) I have reviewed this quarterly report on Form 10-Q of Piedmont Natural Gas Company, Inc.;

2) Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;

3) Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;

4) The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Acts Rules 13a–15(f) and 15d–15(f)) for the registrant and have:

    a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;

    b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;

    c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and

    d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and

5) The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):

    a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and

    b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: May 9, 2023

/s/ BRIAN D. SAVOY

Brian D. Savoy
Executive Vice President and Chief Financial Officer

EXHIBIT 32.1.1

**CERTIFICATION PURSUANT TO
18 U.S.C. SECTION 1350,
AS ADOPTED PURSUANT TO
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002**

In connection with the Quarterly Report of Duke Energy Corporation ("Duke Energy") on Form 10-Q for the period ending March 31, 2023, as filed with the Securities and Exchange Commission on the date hereof (the "Report"), I, Lynn J. Good, Chair, President and Chief Executive Officer of Duke Energy, certify, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that:

(1) The Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934; and

(2) The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of Duke Energy.

/s/ LYNN J. GOOD

Lynn J. Good
Chair, President and
Chief Executive Officer

May 9, 2023

EXHIBIT 32.1.2

CERTIFICATION PURSUANT TO
18 U.S.C. SECTION 1350,
AS ADOPTED PURSUANT TO
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002

In connection with the Quarterly Report of Duke Energy Carolinas, LLC (“Duke Energy Carolinas”) on Form 10-Q for the period ending March 31, 2023, as filed with the Securities and Exchange Commission on the date hereof (the “Report”), I, Lynn J. Good, Chief Executive Officer of Duke Energy Carolinas, certify, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that:

(1) The Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934; and

(2) The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of Duke Energy Carolinas.

/s/ LYNN J. GOOD

Lynn J. Good
Chief Executive Officer

May 9, 2023

EXHIBIT 32.1.3

**CERTIFICATION PURSUANT TO
18 U.S.C. SECTION 1350,
AS ADOPTED PURSUANT TO
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002**

In connection with the Quarterly Report of Progress Energy, Inc. (“Progress Energy”) on Form 10-Q for the period ending March 31, 2023, as filed with the Securities and Exchange Commission on the date hereof (the “Report”), I, Lynn J. Good, Chief Executive Officer of Progress Energy, certify, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that:

(1) The Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934; and

(2) The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of Progress Energy.

/s/ LYNN J. GOOD

Lynn J. Good
Chief Executive Officer

May 9, 2023

EXHIBIT 32.1.4

**CERTIFICATION PURSUANT TO
18 U.S.C. SECTION 1350,
AS ADOPTED PURSUANT TO
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002**

In connection with the Quarterly Report of Duke Energy Progress, LLC ("Duke Energy Progress") on Form 10-Q for the period ending March 31, 2023, as filed with the Securities and Exchange Commission on the date hereof (the "Report"), I, Lynn J. Good, Chief Executive Officer of Duke Energy Progress, certify, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that:

(1) The Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934; and

(2) The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of Duke Energy Progress.

/s/ LYNN J. GOOD

Lynn J. Good
Chief Executive Officer

May 9, 2023

EXHIBIT 32.1.5

**CERTIFICATION PURSUANT TO
18 U.S.C. SECTION 1350,
AS ADOPTED PURSUANT TO
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002**

In connection with the Quarterly Report of Duke Energy Florida, LLC ("Duke Energy Florida") on Form 10-Q for the period ending March 31, 2023, as filed with the Securities and Exchange Commission on the date hereof (the "Report"), I, Lynn J. Good, Chief Executive Officer of Duke Energy Florida, certify, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that:

(1) The Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934; and

(2) The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of Duke Energy Florida.

/s/ LYNN J. GOOD

Lynn J. Good
Chief Executive Officer

May 9, 2023

EXHIBIT 32.1.6

CERTIFICATION PURSUANT TO
18 U.S.C. SECTION 1350,
AS ADOPTED PURSUANT TO
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002

In connection with the Quarterly Report of Duke Energy Ohio, Inc. ("Duke Energy Ohio") on Form 10-Q for the period ending March 31, 2023, as filed with the Securities and Exchange Commission on the date hereof (the "Report"), I, Lynn J. Good, Chief Executive Officer of Duke Energy Ohio, certify, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that:

(1) The Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934; and

(2) The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of Duke Energy Ohio.

/s/ LYNN J. GOOD

Lynn J. Good
Chief Executive Officer

May 9, 2023

EXHIBIT 32.1.7

CERTIFICATION PURSUANT TO
18 U.S.C. SECTION 1350,
AS ADOPTED PURSUANT TO
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002

In connection with the Quarterly Report of Duke Energy Indiana, LLC (“Duke Energy Indiana”) on Form 10-Q for the period ending March 31, 2023, as filed with the Securities and Exchange Commission on the date hereof (the “Report”), I, Lynn J. Good, Chief Executive Officer of Duke Energy Indiana, certify, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that:

(1) The Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934; and

(2) The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of Duke Energy Indiana.

/s/ LYNN J. GOOD

Lynn J. Good
Chief Executive Officer

May 9, 2023

EXHIBIT 32.1.8

**CERTIFICATION PURSUANT TO
18 U.S.C. SECTION 1350,
AS ADOPTED PURSUANT TO
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002**

In connection with the Quarterly Report of Piedmont Natural Gas Company, Inc. ("Piedmont") on Form 10-Q for the period ending March 31, 2023, as filed with the Securities and Exchange Commission on the date hereof (the "Report"), I, Lynn J. Good, Chief Executive Officer of Piedmont, certify, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that:

(1) The Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934; and

(2) The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of Piedmont.

/s/ LYNN J. GOOD

Lynn J. Good
Chief Executive Officer

May 9, 2023

EXHIBIT 32.2.1

CERTIFICATION PURSUANT TO
18 U.S.C. SECTION 1350,
AS ADOPTED PURSUANT TO
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002

In connection with the Quarterly Report of Duke Energy Corporation (“Duke Energy”) on Form 10-Q for the period ending March 31, 2023, as filed with the Securities and Exchange Commission on the date hereof (the “Report”), I, Brian D. Savoy, Executive Vice President and Chief Financial Officer of Duke Energy, certify, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that:

(1) The Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934; and

(2) The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of Duke Energy.

/s/ BRIAN D. SAVOY

Brian D. Savoy
Executive Vice President and Chief Financial Officer

May 9, 2023

EXHIBIT 32.2.2

CERTIFICATION PURSUANT TO
18 U.S.C. SECTION 1350,
AS ADOPTED PURSUANT TO
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002

In connection with the Quarterly Report of Duke Energy Carolinas, LLC ("Duke Energy Carolinas") on Form 10-Q for the period ending March 31, 2023, as filed with the Securities and Exchange Commission on the date hereof (the "Report"), I, Brian D. Savoy, Executive Vice President and Chief Financial Officer of Duke Energy Carolinas, certify, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that:

(1) The Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934; and

(2) The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of Duke Energy Carolinas.

/s/ BRIAN D. SAVOY

Brian D. Savoy
Executive Vice President and Chief Financial Officer

May 9, 2023

EXHIBIT 32.2.3

CERTIFICATION PURSUANT TO
18 U.S.C. SECTION 1350,
AS ADOPTED PURSUANT TO
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002

In connection with the Quarterly Report of Progress Energy, Inc. (“Progress Energy”) on Form 10-Q for the period ending March 31, 2023, as filed with the Securities and Exchange Commission on the date hereof (the “Report”), I, Brian D. Savoy, Executive Vice President and Chief Financial Officer of Progress Energy, certify, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that:

(1) The Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934; and

(2) The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of Progress Energy.

/s/ BRIAN D. SAVOY

Brian D. Savoy
Executive Vice President and Chief Financial Officer

May 9, 2023

EXHIBIT 32.2.4

**CERTIFICATION PURSUANT TO
18 U.S.C. SECTION 1350,
AS ADOPTED PURSUANT TO
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002**

In connection with the Quarterly Report of Duke Energy Progress, LLC (“Duke Energy Progress”) on Form 10-Q for the period ending March 31, 2023, as filed with the Securities and Exchange Commission on the date hereof (the “Report”), I, Brian D. Savoy, Executive Vice President and Chief Financial Officer of Duke Energy Progress, certify, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that:

(1) The Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934; and

(2) The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of Duke Energy Progress.

/s/ BRIAN D. SAVOY

Brian D. Savoy
Executive Vice President and Chief Financial Officer

May 9, 2023

EXHIBIT 32.2.5

**CERTIFICATION PURSUANT TO
18 U.S.C. SECTION 1350,
AS ADOPTED PURSUANT TO
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002**

In connection with the Quarterly Report of Duke Energy Florida, LLC (“Duke Energy Florida”) on Form 10-Q for the period ending March 31, 2023, as filed with the Securities and Exchange Commission on the date hereof (the “Report”), I, Brian D. Savoy, Executive Vice President and Chief Financial Officer of Duke Energy Florida, certify, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that:

(1) The Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934; and

(2) The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of Duke Energy Florida.

/s/ BRIAN D. SAVOY

Brian D. Savoy
Executive Vice President and Chief Financial Officer

May 9, 2023

EXHIBIT 32.2.6

**CERTIFICATION PURSUANT TO
18 U.S.C. SECTION 1350,
AS ADOPTED PURSUANT TO
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002**

In connection with the Quarterly Report of Duke Energy Ohio, Inc. (“Duke Energy Ohio”) on Form 10-Q for the period ending March 31, 2023, as filed with the Securities and Exchange Commission on the date hereof (the “Report”), I, Brian D. Savoy, Executive Vice President and Chief Financial Officer of Duke Energy Ohio, certify, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that:

(1) The Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934; and

(2) The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of Duke Energy Ohio.

/s/ BRIAN D. SAVOY

Brian D. Savoy
Executive Vice President and Chief Financial Officer

May 9, 2023

EXHIBIT 32.2.7

**CERTIFICATION PURSUANT TO
18 U.S.C. SECTION 1350,
AS ADOPTED PURSUANT TO
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002**

In connection with the Quarterly Report of Duke Energy Indiana, LLC ("Duke Energy Indiana") on Form 10-Q for the period ending March 31, 2023, as filed with the Securities and Exchange Commission on the date hereof (the "Report"), I, Brian D. Savoy, Executive Vice President and Chief Financial Officer of Duke Energy Indiana, certify, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that:

(1) The Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934; and

(2) The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of Duke Energy Indiana.

/s/ BRIAN D. SAVOY

Brian D. Savoy
Executive Vice President and Chief Financial Officer

May 9, 2023

EXHIBIT 32.2.8

**CERTIFICATION PURSUANT TO
18 U.S.C. SECTION 1350,
AS ADOPTED PURSUANT TO
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002**

In connection with the Quarterly Report of Piedmont Natural Gas Company, Inc. (“Piedmont”) on Form 10-Q for the period ending March 31, 2023, as filed with the Securities and Exchange Commission on the date hereof (the “Report”), I, Brian D. Savoy, Executive Vice President and Chief Financial Officer of Piedmont, certify, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that:

(1) The Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934; and

(2) The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of Piedmont.

/s/ BRIAN D. SAVOY

Brian D. Savoy
Executive Vice President and Chief Financial Officer

May 9, 2023

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM 8-K

CURRENT REPORT
Pursuant to Section 13 or 15(d) of the
Securities Exchange Act of 1934

Date of Report (Date of earliest event reported): **January 5, 2024**

Duke Energy Corporation

(Exact Name of Registrant as Specified in its Charter)

Delaware	**001-32853**	**20-2777218**
(State or Other Jurisdiction of Incorporation)	(Commission File Number)	(IRS Employer Identification No.)

525 South Tryon Street, Charlotte, North Carolina 28202-1803
(Address of Principal Executive Offices, including Zip Code)

(704) 382-3853
(Registrant's telephone number, including area code)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

☐ Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)

☐ Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)

☐ Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))

☐ Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Securities registered pursuant to Section 12(b) of the Act:

Registrant	Title of each class:	Trading Symbol(s):	Name of each exchange on which registered:
Duke Energy Corporation	Common Stock, $0.001 par value	DUK	New York Stock Exchange LLC
Duke Energy Corporation	5.625% Junior Subordinated Debentures due September 15, 2078	DUKB	New York Stock Exchange LLC
Duke Energy Corporation	Depositary Shares, each representing a 1/1,000th interest in a share of 5.75% Series A Cumulative Redeemable Perpetual Preferred Stock, par value $0.001 per share	DUK PR A	New York Stock Exchange LLC
Duke Energy Corporation	3.10% Senior Notes due 2028	DUK 28A	New York Stock Exchange LLC
Duke Energy Corporation	3.85% Senior Notes due 2034	DUK34	New York Stock Exchange LLC

Indicate by check mark whether the registrant is an emerging growth company as defined in Rule 405 of the Securities Act of 1933 (§230.405 of this chapter) or Rule 12b-2 of the Securities Exchange Act of 1934 (§240.12b-2 of this chapter).

☐ Emerging growth company

☐ If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

Item 8.01. Other Events.

On January 5, 2024, Duke Energy Corporation (the "Company") consummated the issuance and sale of the securities described below pursuant to an underwriting agreement, dated January 2, 2024 (the "Underwriting Agreement"), with Citigroup Global Markets Inc., Morgan Stanley & Co. LLC, TD Securities (USA) LLC, U.S. Bancorp Investments, Inc., and Wells Fargo Securities, LLC, as representatives of the several underwriters named therein (the "Underwriters"), pursuant to which the Company agreed to issue and sell to the Underwriters $550,000,000 aggregate principal amount of the Company's 4.850% Senior Notes due 2027 and $550,000,000 aggregate principal amount of the Company's 4.850% Senior Notes due 2029 (collectively, the "Securities"). The Securities were sold to the Underwriters at discounts to their principal amounts. The Securities were issued pursuant to an Indenture, dated as of June 3, 2008 (the "Indenture"), by and between the Company and The Bank of New York Mellon Trust Company, N.A., as trustee (the "Trustee"), as amended and supplemented by various supplemental indentures thereto, including the Thirty-first Supplemental Indenture, dated as of January 5, 2024 (the "Supplemental Indenture"), between the Company and the Trustee. The disclosure in this Item 8.01 is qualified in its entirety by the provisions of the Indenture, the Supplemental Indenture, together with the forms of global notes evidencing the Securities included therein, which is filed as Exhibit 4.1 hereto, and the Underwriting Agreement, which is filed as Exhibit 99.1 hereto. Such exhibits are incorporated herein by reference. Also, in connection with the issuance and sale of the Securities, the Company is filing a legal opinion regarding the validity of the Securities as Exhibit 5.1 to this Form 8-K for the purpose of incorporating such opinion into the Company's Registration Statement on Form S-3, No. 333-267583.

Item 9.01. Financial Statements and Exhibits.

(d)	Exhibits.
4.1	Thirty-first Supplemental Indenture, dated as of January 5, 2024, to the Indenture, dated as of June 3, 2008, between the Company and The Bank of New York Mellon Trust Company, N.A., as Trustee, and forms of global notes included therein
5.1	Opinion of Robert T. Lucas III regarding validity of the Securities
23.1	Consent of Robert T. Lucas III (included as part of Exhibit 5.1)
99.1	Underwriting Agreement, dated January 2, 2024, among the Company and Citigroup Global Markets Inc., Morgan Stanley & Co. LLC, TD Securities (USA) LLC, U.S. Bancorp Investments, Inc., and Wells Fargo Securities, LLC, as representatives of the several underwriters named therein
104	Cover Page Interactive Data file (the Cover Page Interactive Data file is embedded within the Inline XBRL document)

SIGNATURE

Pursuant to the requirements of the Securities and Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

DUKE ENERGY CORPORATION

Date: January 5, 2024

By: /s/ Robert T. Lucas III
Name: Robert T. Lucas III
Title: Assistant Corporate Secretary

Exhibit 4.1

DUKE ENERGY CORPORATION

TO

THE BANK OF NEW YORK MELLON TRUST COMPANY, N.A.

Trustee

Thirty-first Supplemental Indenture
Dated as of January 5, 2024

$550,000,000 4.850% SENIOR NOTES DUE 2027
$550,000,000 4.850% SENIOR NOTES DUE 2029

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ARTICLE I

4.850% SENIOR NOTES DUE 2027

ARTICLE II

4.850% SENIOR NOTES DUE 2029

ARTICLE III

MISCELLANEOUS PROVISIONS

[1] This Table of Contents does not constitute part of the Indenture or have any bearing upon the interpretation of any of its terms and provisions.

THIS THIRTY-FIRST SUPPLEMENTAL INDENTURE is made as of the 5th day of January, 2024, by and among **DUKE ENERGY CORPORATION**, a Delaware corporation, having its principal office at 525 South Tryon Street, Charlotte, North Carolina 28202-1803 (the "Corporation"), and **The Bank of New York Mellon Trust Company, N.A. (formerly known as The Bank of New York Trust Company, N.A.)**, a national banking association, as Trustee (herein called the "Trustee").

WITNESSETH:

WHEREAS, the Corporation has heretofore entered into an Indenture, dated as of June 3, 2008 (the "Original Indenture"), with The Bank of New York Mellon Trust Company, N.A., as Trustee;

WHEREAS, the Original Indenture is incorporated herein by this reference and the Original Indenture, as it may be amended and supplemented to the date hereof, including by this Thirty-first Supplemental Indenture, is herein called the "Indenture";

WHEREAS, under the Indenture, a new series of Securities may at any time be established in accordance with the provisions of the Indenture and the terms of such series may be described by a supplemental indenture executed by the Corporation and the Trustee;

WHEREAS, the Corporation hereby proposes to create under the Indenture two additional series of Securities;

WHEREAS, additional Securities of other series hereafter established, except as may be limited in the Indenture as at the time supplemented and modified, may be issued from time to time pursuant to the Indenture as at the time supplemented and modified; and

WHEREAS, all conditions necessary to authorize the execution and delivery of this Thirty-first Supplemental Indenture and to make it a valid and binding obligation of the Corporation have been done or performed.

NOW, THEREFORE, in consideration of the agreements and obligations set forth herein and for other good and valuable consideration, the sufficiency of which is hereby acknowledged, the parties hereto hereby agree as follows:

ARTICLE I

4.850% SENIOR NOTES DUE 2027

Section 1.01. Establishment. There is hereby established a new series of Securities to be issued under the Indenture, to be designated as the Corporation's 4.850% Senior Notes due 2027 (the "2027 Notes").

There are to be authenticated and delivered initially $550,000,000 principal amount of the 2027 Notes, and no further 2027 Notes shall be authenticated and delivered except as provided by Section 304, 305, 306, 906 or 1106 of the Original Indenture and the last paragraph of Section 301 thereof. The 2027 Notes shall be issued in fully registered form without coupons.

The 2027 Notes shall be in substantially the form set out in Exhibit A hereto, and the form of the Trustee's Certificate of Authentication for the 2027 Notes shall be in substantially the form set forth in Exhibit B hereto.

Each 2027 Note shall be dated the date of authentication thereof and shall bear interest from the date of original issuance thereof or from the most recent Interest Payment Date to which interest has been paid or duly provided for.

Section 1.02. Definitions. The following defined terms used in this Article I shall, unless the context otherwise requires, have the meanings specified below for purposes of the 2027 Notes. Capitalized terms used herein for which no definition is provided herein shall have the meanings set forth in the Original Indenture.

"Business Day" means any day other than a Saturday or Sunday that is neither a Legal Holiday nor a day on which banking institutions in New York, New York are authorized or required by law, regulation or executive order to close, or a day on which the Corporate Trust Office is closed for business.

"Interest Payment Date" means each January 5 and July 5 of each year, commencing on July 5, 2024.

"Legal Holiday" means any day that is a legal holiday in New York, New York.

"Original Issue Date" means January 5, 2024.

"Regular Record Date" means, with respect to each Interest Payment Date, the close of business on (i) the Business Day immediately preceding such Interest Payment Date so long as all of the 2027 Notes remain in book-entry only form or (ii) the 15th calendar day next preceding such Interest Payment Date (whether or not a Business Day) if any of the 2027 Notes do not remain in book-entry only form.

"Stated Maturity" means January 5, 2027.

"Treasury Rate" means, with respect to any Redemption Date, the yield determined by the Corporation in accordance with the following two paragraphs.

The Treasury Rate shall be determined by the Corporation after 4:15 p.m., New York City time (or after such time as yields on U.S. government securities are posted daily by the Board of Governors of the Federal Reserve System), on the third business day preceding the Redemption Date based upon the yield or yields for the most recent day that appear after such time on such day in the most recent statistical release published by the Board of Governors of the Federal Reserve System designated as "Selected Interest Rates (Daily)—H.15" (or any successor designation or publication) ("H.15") under the caption "U.S. government securities—Treasury constant maturities — Nominal" (or any successor caption or heading) ("H.15 TCM"). In determining the Treasury Rate, the Corporation shall select, as applicable:

- the yield for the Treasury constant maturity on H.15 exactly equal to the period from the Redemption Date to the maturity date of the 2027 Notes (the "Remaining Life"); or

- if there is no such Treasury constant maturity on H.15 exactly equal to the Remaining Life, the two yields—one yield corresponding to the Treasury constant maturity on H.15 immediately shorter than and one yield corresponding to the Treasury constant maturity on H.15 immediately longer than the Remaining Life—and shall interpolate to the maturity date of the 2027 Notes on a straight-line basis (using the actual number of days) using such yields and rounding the result to three decimal places; or

- if there is no such Treasury constant maturity on H.15 shorter than or longer than the Remaining Life, the yield for the single Treasury constant maturity on H.15 closest to the Remaining Life. For purposes of this clause, the applicable Treasury constant maturity or maturities on H.15 shall be deemed to have a maturity date equal to the relevant number of months or years, as applicable, of such Treasury constant maturity from the Redemption Date.

If on the third business day preceding the Redemption Date H.15 TCM is no longer published, the Corporation shall calculate the Treasury Rate based on the rate per annum equal to the semi-annual equivalent yield to maturity at 11:00 a.m., New York City time, on the second business day preceding such Redemption Date of the United States Treasury security maturing on, or with a maturity that is closest to, the maturity date of the 2027 Notes. If there is no United States Treasury security maturing on the maturity date of the 2027 Notes, but there are two or more United States Treasury securities with a maturity date equally distant from the maturity date of the 2027 Notes, one with a maturity date preceding the maturity date of the 2027 Notes and one with a maturity date following the maturity date of the 2027 Notes, the Corporation shall select the United States Treasury security with a maturity date preceding the maturity date of the 2027 Notes. If there are two or more United States Treasury securities maturing on the maturity date of the 2027 Notes, or two or more United States Treasury securities meeting the criteria of the preceding sentence, the Corporation shall select from among these two or more United States Treasury securities the United States Treasury security that is trading closest to par based upon the average of the bid and asked prices for such United States Treasury securities at 11:00 a.m., New York City time. In determining the Treasury Rate in accordance with the terms of this paragraph, the semi-annual yield to maturity of the applicable United States Treasury security shall be based upon the average of the bid and asked prices (expressed as a percentage of principal amount) at 11:00 a.m., New York City time, of such United States Treasury security, and rounded to three decimal places.

The Corporation's actions and determinations in determining the redemption price shall be conclusive and binding for all purposes, absent manifest error.

The Trustee shall have no obligation or duty whatsoever to determine, or to verify our calculations of, the redemption price.

Section 1.03. Payment of Principal and Interest. The principal of the 2027 Notes shall be due at Stated Maturity (unless earlier redeemed). The unpaid principal amount of the 2027 Notes shall bear interest at the rate of 4.850% per annum until paid or duly provided for, such interest to accrue from January 5, 2024 or from the most recent Interest Payment Date to which interest has been paid or duly provided for. Interest shall be paid semi-annually in arrears on each Interest Payment Date to the Person or Persons in whose name the 2027 Notes are registered on the applicable Regular Record Date for such Interest Payment Date; provided that interest payable at the Stated Maturity or on a Redemption Date as provided herein shall be paid to the Person to whom principal is payable. Any such interest that is not so punctually paid or duly provided for shall forthwith cease to be payable to the Holders on such Regular Record Date and may either be paid to the Person or Persons in whose name the 2027 Notes are registered at the close of business on a Special Record Date for the payment of such defaulted interest to be fixed by the Trustee ("Special Record Date"), notice whereof shall be given to Holders of the 2027 Notes not less than ten (10) days prior to such Special Record Date, or be paid at any time in any other lawful manner not inconsistent with the requirements of any securities exchange, if any, on which the 2027 Notes may be listed, and upon such notice as may be required by any such exchange, all as more fully provided in the Original Indenture.

Payments of interest on the 2027 Notes shall include interest accrued to but excluding the respective Interest Payment Dates. Interest payments for the 2027 Notes shall be computed and paid on the basis of a 360-day year consisting of twelve 30-day months. In the event that any date on which interest is payable on the 2027 Notes is not a Business Day, then payment of the interest payable on such date shall be made on the next succeeding day that is a Business Day (and without any interest or payment in respect of any such delay) with the same force and effect as if made on the date the payment was originally payable.

Payment of principal of, premium, if any, and interest on the 2027 Notes shall be made in such coin or currency of the United States of America as at the time of payment is legal tender for payment of public and private debts. Payments of principal of, premium, if any, and interest on 2027 Notes represented by a Global Security shall be made by wire transfer of immediately available funds to the Holder of such Global Security. If any of the 2027 Notes are no longer represented by a Global Security, (i) payments of principal, premium, if any, and interest due at the Stated Maturity or earlier redemption of such 2027 Notes shall be made at the office of the Paying Agent upon surrender of such 2027 Notes to the Paying Agent and (ii) payments of interest shall be made, at the option of the Corporation, subject to such surrender where applicable, by (A) check mailed to the address of the Person entitled thereto as such address shall appear in the Security Register or (B) wire transfer at such place and to such account at a banking institution in the United States as may be designated in writing to the Trustee at least sixteen (16) days prior to the date for payment by the Person entitled thereto.

Section 1.04. Denominations. The 2027 Notes shall be issued in denominations of $2,000 or any integral multiple of $1,000 in excess thereof.

Section 1.05. Global Securities. The 2027 Notes shall initially be issued in the form of one or more Global Securities registered in the name of the Depositary (which initially shall be The Depository Trust Company) or its nominee. Except under the limited circumstances described below, 2027 Notes represented by such Global Security or Global Securities shall not be exchangeable for, and shall not otherwise be issuable as, 2027 Notes in definitive form. The Global Securities described in this Article I may not be transferred except by the Depositary to a nominee of the Depositary or by a nominee of the Depositary to the Depositary or another nominee of the Depositary or to a successor Depositary or its nominee.

A Global Security representing the 2027 Notes shall be exchangeable for 2027 Notes registered in the names of persons other than the Depositary or its nominee only if (i) the Depositary notifies the Corporation that it is unwilling or unable to continue as a Depositary for such Global Security and no successor Depositary shall have been appointed by the Corporation within 90 days of receipt by the Corporation of such notification, or if at any time the Depositary ceases to be a clearing agency registered under the Exchange Act at a time when the Depositary is required to be so registered to act as such Depositary and no successor Depositary shall have been appointed by the Corporation within 90 days after it becomes aware of such cessation, (ii) an Event of Default has occurred and is continuing with respect to the 2027 Notes and beneficial owners of a majority in aggregate principal amount of the 2027 Notes represented by Global Securities advise the Depositary to cease acting as Depositary, or (iii) the Corporation in its sole discretion, and subject to the procedures of the Depositary, determines that such Global Security shall be so exchangeable. Any Global Security that is exchangeable pursuant to the preceding sentence shall be exchangeable for 2027 Notes registered in such names as the Depositary shall direct.

Section 1.06. Redemption. The Corporation may redeem the 2027 Notes, at its option, in whole or in part, at any time and from time to time, at the option of the Corporation, on any date (a “Redemption Date”), at a redemption price (expressed as a percentage of principal amount and rounded to three decimal places) equal to the greater of: (i)(a) the sum of the present values of the remaining scheduled payments of principal and interest thereon discounted to the Redemption Date on a semi-annual basis (assuming a 360-day year consisting of twelve 30-day months) at the Treasury Rate plus 15 basis points less (b) interest accrued to the Redemption Date; and (ii) 100% of the principal amount of the 2027 Notes to be redeemed, plus, in each case, accrued and unpaid interest thereon to, but excluding, the Redemption Date.

On or after the date of redemption, interest will cease to accrue on the 2027 Notes or portion of the 2027 Notes redeemed. However, interest will continue to accrue if the Corporation defaults in the payment of the amount due upon redemption.

Notice of redemption to each Holder of the 2027 Notes shall be mailed (or, as long as the Notes of this series are represented by one or more Book-Entry Debt Securities, transmitted in accordance with the Depository's standard procedures therefor) by the Corporation, or, at the Corporation's request, by the Trustee, in the manner provided in Section 1104 of the Original Indenture, at least ten (10) and not more than sixty (60) days prior to the date fixed for redemption.

The Corporation shall notify the Trustee of the redemption price with respect to any redemption of the 2027 Notes occurring before the maturity date of the 2027 Notes promptly after the calculation thereof. The Trustee shall not be responsible for calculating said redemption price.

If less than all of the 2027 Notes are to be redeemed, the 2027 Notes or portions of 2027 Notes to be redeemed in amounts of $2,000 or any integral multiple of $1,000 in excess thereof shall be selected for redemption in accordance with the standard procedures of the Depositary.

The 2027 Notes shall not have a sinking fund.

Section 1.07. Paying Agent and Security Registrar. The Trustee shall initially serve as Paying Agent with respect to the 2027 Notes, with the Place of Payment initially being the Corporate Trust Office.

ARTICLE II

4.850% SENIOR NOTES DUE 2029

Section 2.01. Establishment. There is hereby established a new series of Securities to be issued under the Indenture, to be designated as the Corporation's 4.850% Senior Notes due 2029 (the "2029 Notes").

There are to be authenticated and delivered initially $550,000,000 principal amount of the 2029 Notes, and no further 2029 Notes shall be authenticated and delivered except as provided by Section 304, 305, 306, 906 or 1106 of the Original Indenture and the last paragraph of Section 301 thereof. The 2029 Notes shall be issued in fully registered form without coupons.

The 2029 Notes shall be in substantially the form set out in Exhibit C hereto, and the form of the Trustee's Certificate of Authentication for the 2029 Notes shall be in substantially the form set forth in Exhibit D hereto.

Each 2029 Note shall be dated the date of authentication thereof and shall bear interest from the date of original issuance thereof or from the most recent Interest Payment Date to which interest has been paid or duly provided for.

Section 2.02. Definitions. The following defined terms used in this Article II shall, unless the context otherwise requires, have the meanings specified below for purposes of the 2029 Notes. Capitalized terms used herein for which no definition is provided herein shall have the meanings set forth in the Original Indenture.

"Business Day" means any day other than a Saturday or Sunday that is neither a Legal Holiday nor a day on which banking institutions in New York, New York are authorized or required by law, regulation or executive order to close, or a day on which the Corporate Trust Office is closed for business.

"Interest Payment Date" means each January 5 and July 5 of each year, commencing on July 5, 2024.

"Legal Holiday" means any day that is a legal holiday in New York, New York.

"Original Issue Date" means January 5, 2024.

"Regular Record Date" means, with respect to each Interest Payment Date, the close of business on (i) the Business Day immediately preceding such Interest Payment Date so long as all of the 2029 Notes remain in book-entry only form or (ii) the 15th calendar day next preceding such Interest Payment Date (whether or not a Business Day) if any of the 2029 Notes do not remain in book-entry only form.

"Stated Maturity" means January 5, 2029.

"Treasury Rate" means, with respect to any Redemption Date, the yield determined by the Corporation in accordance with the following two paragraphs.

The Treasury Rate shall be determined by the Corporation after 4:15 p.m., New York City time (or after such time as yields on U.S. government securities are posted daily by the Board of Governors of the Federal Reserve System), on the third business day preceding the Redemption Date based upon the yield or yields for the most recent day that appear after such time on such day in the most recent statistical release published by the Board of Governors of the Federal Reserve System designated as "Selected Interest Rates (Daily)—H.15" (or any successor designation or publication) ("H.15") under the caption "U.S. government securities—Treasury constant maturities — Nominal" (or any successor caption or heading) ("H.15 TCM"). In determining the Treasury Rate, the Corporation shall select, as applicable:

- the yield for the Treasury constant maturity on H.15 exactly equal to the period from the Redemption Date to the Par Call Date (as defined below) (the "Remaining Life"); or

- if there is no such Treasury constant maturity on H.15 exactly equal to the Remaining Life, the two yields—one yield corresponding to the Treasury constant maturity on H.15 immediately shorter than and one yield corresponding to the Treasury constant maturity on H.15 immediately longer than the Remaining Life—and shall interpolate to the Par Call Date on a straight-line basis (using the actual number of days) using such yields and rounding the result to three decimal places; or

- if there is no such Treasury constant maturity on H.15 shorter than or longer than the Remaining Life, the yield for the single Treasury constant maturity on H.15 closest to the Remaining Life. For purposes of this clause, the applicable Treasury constant maturity or maturities on H.15 shall be deemed to have a maturity date equal to the relevant number of months or years, as applicable, of such Treasury constant maturity from the Redemption Date.

If on the third business day preceding the Redemption Date H.15 TCM is no longer published, the Corporation shall calculate the Treasury Rate based on the rate per annum equal to the semi-annual equivalent yield to maturity at 11:00 a.m., New York City time, on the second business day preceding such Redemption Date of the United States Treasury security maturing on, or with a maturity that is closest to, the Par Call Date. If there is no United States Treasury security maturing on the Par Call Date, but there are two or more United States Treasury securities with a maturity date equally distant from the Par Call Date, one with a maturity date preceding the Par Call Date and one with a maturity date following the Par Call Date, the Corporation shall select the United States Treasury security with a maturity date preceding the Par Call Date. If there are two or more United States Treasury securities maturing on the Par Call Date, or two or more United States Treasury securities meeting the criteria of the preceding sentence, the Corporation shall select from among these two or more United States Treasury securities the United States Treasury security that is trading closest to par based upon the average of the bid and asked prices for such United States Treasury securities at 11:00 a.m., New York City time. In determining the Treasury Rate in accordance with the terms of this paragraph, the semi-annual yield to maturity of the applicable United States Treasury security shall be based upon the average of the bid and asked prices (expressed as a percentage of principal amount) at 11:00 a.m., New York City time, of such United States Treasury security, and rounded to three decimal places.

The Corporation's actions and determinations in determining the redemption price shall be conclusive and binding for all purposes, absent manifest error.

The Trustee shall have no obligation or duty whatsoever to determine, or to verify our calculations of, the redemption price.

Section 2.03. Payment of Principal and Interest. The principal of the 2029 Notes shall be due at Stated Maturity (unless earlier redeemed). The unpaid principal amount of the 2029 Notes shall bear interest at the rate of 4.850% per annum until paid or duly provided for, such interest to accrue from January 5, 2024 or from the most recent Interest Payment Date to which interest has been paid or duly provided for. Interest shall be paid semi-annually in arrears on each Interest Payment Date to the Person or Persons in whose name the 2029 Notes are registered on the applicable Regular Record Date for such Interest Payment Date; provided that interest payable at the Stated Maturity or on a Redemption Date as provided herein shall be paid to the Person to whom principal is payable. Any such interest that is not so punctually paid or duly provided for shall forthwith cease to be payable to the Holders on such Regular Record Date and may either be paid to the Person or Persons in whose name the 2029 Notes are registered at the close of business on a Special Record Date for the payment of such defaulted interest to be fixed by the Trustee ("Special Record Date"), notice whereof shall be given to Holders of the 2029 Notes not less than ten (10) days prior to such Special Record Date, or be paid at any time in any other lawful manner not inconsistent with the requirements of any securities exchange, if any, on which the 2029 Notes may be listed, and upon such notice as may be required by any such exchange, all as more fully provided in the Original Indenture.

Payments of interest on the 2029 Notes shall include interest accrued to but excluding the respective Interest Payment Dates. Interest payments for the 2029 Notes shall be computed and paid on the basis of a 360-day year consisting of twelve 30-day months. In the event that any date on which interest is payable on the 2029 Notes is not a Business Day, then payment of the interest payable on such date shall be made on the next succeeding day that is a Business Day (and without any interest or payment in respect of any such delay) with the same force and effect as if made on the date the payment was originally payable.

Payment of principal of, premium, if any, and interest on the 2029 Notes shall be made in such coin or currency of the United States of America as at the time of payment is legal tender for payment of public and private debts. Payments of principal of, premium, if any, and interest on 2029 Notes represented by a Global Security shall be made by wire transfer of immediately available funds to the Holder of such Global Security. If any of the 2029 Notes are no longer represented by a Global Security, (i) payments of principal, premium, if any, and interest due at the Stated Maturity or earlier redemption of such 2029 Notes shall be made at the office of the Paying Agent upon surrender of such 2029 Notes to the Paying Agent and (ii) payments of interest shall be made, at the option of the Corporation, subject to such surrender where applicable, by (A) check mailed to the address of the Person entitled thereto as such address shall appear in the Security Register or (B) wire transfer at such place and to such account at a banking institution in the United States as may be designated in writing to the Trustee at least sixteen (16) days prior to the date for payment by the Person entitled thereto.

Section 2.04. Denominations. The 2029 Notes shall be issued in denominations of $2,000 or any integral multiple of $1,000 in excess thereof.

Section 2.05. Global Securities. The 2029 Notes shall initially be issued in the form of one or more Global Securities registered in the name of the Depositary (which initially shall be The Depository Trust Company) or its nominee. Except under the limited circumstances described below, 2029 Notes represented by such Global Security or Global Securities shall not be exchangeable for, and shall not otherwise be issuable as, 2029 Notes in definitive form. The Global Securities described in this Article II may not be transferred except by the Depositary to a nominee of the Depositary or by a nominee of the Depositary to the Depositary or another nominee of the Depositary or to a successor Depositary or its nominee.

A Global Security representing the 2029 Notes shall be exchangeable for 2029 Notes registered in the names of persons other than the Depositary or its nominee only if (i) the Depositary notifies the Corporation that it is unwilling or unable to continue as a Depositary for such Global Security and no successor Depositary shall have been appointed by the Corporation within 90 days of receipt by the Corporation of such notification, or if at any time the Depositary ceases to be a clearing agency registered under the Exchange Act at a time when the Depositary is required to be so registered to act as such Depositary and no successor Depositary shall have been appointed by the Corporation within 90 days after it becomes aware of such cessation, (ii) an Event of Default has occurred and is continuing with respect to the 2029 Notes and beneficial owners of a majority in aggregate principal amount of the 2029 Notes represented by Global Securities advise the Depositary to cease acting as Depositary, or (iii) the Corporation in its sole discretion, and subject to the procedures of the Depositary, determines that such Global Security shall be so exchangeable. Any Global Security that is exchangeable pursuant to the preceding sentence shall be exchangeable for 2029 Notes registered in such names as the Depositary shall direct.

Section 2.06. Redemption. The Corporation may redeem the 2029 Notes prior to December 5, 2028 (the "Par Call Date"), at its option, in whole or in part, at any time and from time to time, at the option of the Corporation, on any date (a "Redemption Date"), at a redemption price (expressed as a percentage of principal amount and rounded to three decimal places) equal to the greater of: (i)(a) the sum of the present values of the remaining scheduled payments of principal and interest thereon discounted to the Redemption Date (assuming the 2029 Notes matured on the Par Call Date) on a semi-annual basis (assuming a 360-day year consisting of twelve 30-day months) at the Treasury Rate plus 15 basis points less (b) interest accrued to the Redemption Date; and (ii) 100% of the principal amount of the 2029 Notes to be redeemed, plus, in each case, accrued and unpaid interest thereon to, but excluding, the Redemption Date.

On or after the Par Call Date, the Corporation may redeem the 2029 Notes at its option, in whole or in part, at any time and from time to time, at a redemption price equal to 100% of the principal amount of the 2029 Notes to be redeemed, plus accrued and unpaid interest thereon to, but excluding, the Redemption Date. Notwithstanding the foregoing, installments of interest on the 2029 Notes that are due and payable on an Interest Payment Date falling on or prior to a Redemption Date shall be payable on such Interest Payment Date to the Holders as of the close of business on the relevant Record Date.

On or after the date of redemption, interest will cease to accrue on the 2029 Notes or portion of the 2029 Notes redeemed. However, interest will continue to accrue if the Corporation defaults in the payment of the amount due upon redemption.

Notice of redemption to each Holder of the 2029 Notes shall be mailed (or, as long as the Notes of this series are represented by one or more Book-Entry Debt Securities, transmitted in accordance with the Depository's standard procedures therefor) by the Corporation, or, at the Corporation's request, by the Trustee, in the manner provided in Section 1104 of the Original Indenture, at least ten (10) and not more than sixty (60) days prior to the date fixed for redemption.

The Corporation shall notify the Trustee of the redemption price with respect to any redemption of the 2029 Notes occurring before the Par Call Date promptly after the calculation thereof. The Trustee shall not be responsible for calculating said redemption price.

If less than all of the 2029 Notes are to be redeemed, the 2029 Notes or portions of 2029 Notes to be redeemed in amounts of $2,000 or any integral multiple of $1,000 in excess thereof shall be selected for redemption in accordance with the standard procedures of the Depositary.

The 2029 Notes shall not have a sinking fund.

Section 2.07. Paying Agent and Security Registrar. The Trustee shall initially serve as Paying Agent with respect to the 2029 Notes, with the Place of Payment initially being the Corporate Trust Office.

ARTICLE III

MISCELLANEOUS PROVISIONS

Section 3.01. Recitals by the Corporation. The recitals in this Thirty-first Supplemental Indenture are made by the Corporation only and not by the Trustee, and all of the provisions contained in the Original Indenture in respect of the rights, privileges, immunities, powers and duties of the Trustee shall be applicable in respect of the 2027 Notes, the 2029 Notes and this Thirty-first Supplemental Indenture as fully and with like effect as if set forth herein in full.

Section 3.02. Ratification and Incorporation of Original Indenture. As supplemented hereby, the Original Indenture is in all respects ratified and confirmed, and the Original Indenture and this Thirty-first Supplemental Indenture shall be read, taken and construed as one and the same instrument.

Section 3.03. Instructions to Trustee. The Trustee shall have the right to accept and act upon instructions, including funds transfer instructions (“Instructions”) given pursuant to this Thirty-first Supplemental Indenture and delivered using Electronic Means; provided, however, that the Corporation shall provide to the Trustee an incumbency certificate listing officers with the authority to provide such Instructions (“Authorized Officers”) and containing specimen signatures of such Authorized Officers, which incumbency certificate shall be amended by the Corporation whenever a person is to be added or deleted from the listing. If the Corporation elects to give the Trustee Instructions using Electronic Means and the Trustee in its discretion elects to act upon such Instructions, the Trustee’s understanding of such Instructions shall be deemed controlling. The Corporation understands and agrees that the Trustee cannot determine the identity of the actual sender of such Instructions and that the Trustee shall conclusively presume that directions that purport to have been sent by an Authorized Officer listed on the incumbency certificate provided to the Trustee have been sent by such Authorized Officer. The Corporation shall be responsible for ensuring that only Authorized Officers transmit such Instructions to the Corporate Trustee and that the Corporation and all Authorized Officers are solely responsible to safeguard the use and confidentiality of applicable user and authorization codes, passwords and/or authentication keys upon receipt by the Corporation. The Trustee shall not be liable for any losses, costs or expenses arising directly or indirectly from the Trustee’s good faith reliance upon and compliance with such Instructions notwithstanding such directions conflict or are inconsistent with a subsequent written instruction. The Corporation agrees: (i) to assume all risks arising out of the use of Electronic Means to submit Instructions to the Trustee, including without limitation the risk of the Trustee acting on unauthorized Instructions, and the risk of interception and misuse by third parties; (ii) that it is fully informed of the protections and risks associated with the various methods of transmitting Instructions to the Trustee and that there may be more secure methods of transmitting Instructions than the method(s) selected by the Corporation; (iii) that the security procedures (if any) to be followed in connection with its transmission of Instructions provide to it a commercially reasonable degree of protection in light of its particular needs and circumstances; and (iv) to notify the Trustee as soon as reasonably practicable upon learning of any compromise or unauthorized use of the security procedures. “Electronic Means” shall mean the following communications methods: e-mail, facsimile trans-mission, secure electronic transmission containing applicable authorization codes, passwords and/or authentication keys issued by the Trustee, or another method or system specified by the Trustee as available for use in connection with its services hereunder.

Section 3.04. Executed in Counterparts; Electronic Signatures. This Thirty-first Supplemental Indenture may be executed in several counterparts, each of which shall be deemed to be an original, and such counterparts shall together constitute but one and the same instrument. The words "execution," signed," signature," and words of like import in the Indenture shall include images of manually executed signatures transmitted by facsimile, email or other electronic format (including, without limitation, "pdf," "tif" or "jpg") and other electronic signatures (including without limitation, DocuSign and AdobeSign). The use of electronic signatures and electronic records (including, without limitation, any contract or other record created, generated, sent, communicated, received, or stored by electronic means) shall be of the same legal effect, validity and enforceability as a manually executed signature or use of a paper-based record-keeping system to the fullest extent permitted by applicable law, including the Federal Electronic Signatures in Global and National Commerce Act, the New York State Electronic Signatures and Records Act and any other applicable law, including, without limitation, any state law based on the Uniform Electronic Transactions Act or the Uniform Commercial Code. Without limitation to the foregoing, and anything in the Original Indenture to the contrary notwithstanding, (a) any Officers' Certificate, Company Order, Opinion of Counsel, Security, certificate of authentication appearing on or attached to any Security, supplemental indenture or other certificate, opinion of counsel, instrument, agreement or other document delivered pursuant to the Indenture may be executed, attested and transmitted by any of the foregoing electronic means and formats, (b) all references in Section 303 or elsewhere in the Original Indenture to the execution, attestation or authentication of any Security or any certificate of authentication appearing on or attached to any Security by means of a manual or facsimile signature shall be deemed to include signatures that are made or transmitted by any of the foregoing electronic means or formats, and (c) any requirement in Section 303 or elsewhere in the Original Indenture that any signature be made under a corporate seal (or facsimile thereof) shall not be applicable to the Securities of such series.

IN WITNESS WHEREOF, each party hereto has caused this instrument to be signed in its name and behalf by its duly authorized officer, all as of the day and year first above written.

Duke Energy Corporation

By: /s/ Chris R. Bauer
Name: Chris R. Bauer
Title: Assistant Treasurer

The Bank of New York Mellon Trust Company, N.A., as Trustee

By: /s/ Ann M. Dolezal
Name: Ann M. Dolezal
Title: Vice President

[*Signature Page to Thirty-first Supplemental Indenture*]

EXHIBIT A

FORM OF
4.850% SENIOR NOTE DUE 2027

No. CUSIP No. 26441C CB9

DUKE ENERGY CORPORATION
4.850% SENIOR NOTE DUE 2027

Principal Amount: $

Regular Record Date: [Close of business on the business day immediately preceding such Interest Payment Date so long as all of the Securities (as defined herein) of this series remain in book-entry only form] [Close of business on the 15th calendar day next preceding such Interest Payment Date (whether or not a Business Day) if any of the Securities (as defined herein) of this series do not remain in book-entry only form]

Original Issue Date: January 5, 2024

Stated Maturity: January 5, 2027

Interest Payment Dates: Semi-annually on January 5 and July 5 of each year, commencing on July 5, 2024

Interest Rate: 4.850% per annum

Authorized Denomination: $2,000 or any integral multiple of $1,000 in excess thereof

Duke Energy Corporation, a Delaware corporation (the "Corporation", which term includes any successor corporation under the Indenture referred to on the reverse hereof), for value received, hereby promises to pay to , or registered assigns, the principal sum of DOLLARS ($) on the Stated Maturity shown above and to pay interest thereon from the Original Issue Date shown above, or from the most recent Interest Payment Date to which interest has been paid or duly provided for, semi-annually in arrears on each Interest Payment Date as specified above, commencing on July 5, 2024 and on the Stated Maturity at the rate per annum shown above until the principal hereof is paid or made available for payment and at such rate on any overdue principal and on any overdue installment of interest. The interest so payable, and punctually paid or duly provided for, on any Interest Payment Date (other than an Interest Payment Date that is the Stated Maturity or a Redemption Date) will, as provided in the Indenture, be paid to the Person in whose name this 4.850% Senior Note due 2027 (this "Security") is registered on the applicable Regular Record Date as specified above next preceding such Interest Payment Date; *provided* that any interest payable at Stated Maturity or on a Redemption Date will be paid to the Person to whom principal is payable. Except as otherwise provided in the Indenture, any such interest not so punctually paid or duly provided for will forthwith cease to be payable to the Holder on such Regular Record Date and may either be paid to the Person in whose name this Security is registered at the close of business on a Special Record Date for the payment of such Defaulted Interest to be fixed by the Trustee, notice whereof shall be given to Holders of Securities of this series not less than 10 days prior to such Special Record Date, or be paid at any time in any other lawful manner not inconsistent with the requirements of any securities exchange, if any, on which the Securities shall be listed, and upon such notice as may be required by any such exchange, all as more fully provided in the Indenture.

Payments of interest on this Security will include interest accrued to but excluding the respective Interest Payment Dates. Interest payments for this Security shall be computed and paid on the basis of a 360-day year consisting of twelve 30-day months and will accrue from January 5, 2024 or from the most recent Interest Payment Date to which interest has been paid or duly provided for. In the event that any date on which interest is payable on this Security is not a Business Day, then payment of the interest payable on such date will be made on the next succeeding day that is a Business Day (and without any interest or payment in respect of any such delay) with the same force and effect as if made on the date the payment was originally payable. "Business Day" means any day other than a Saturday or Sunday that is neither a Legal Holiday nor a day on which banking institutions in New York, New York are authorized or required by law, regulation or executive order to close, or a day on which the Corporate Trust Office is closed for business. "Legal Holiday" means any day that is a legal holiday in New York, New York.

Payment of principal of, premium, if any, and interest on the Securities of this series shall be made in such coin or currency of the United States of America as at the time of payment is legal tender for payment of public and private debts. Payments of principal of, premium, if any, and interest on the Securities of this series represented by a Global Security shall be made by wire transfer of immediately available funds to the Holder of such Global Security. If any of the Securities of this series are no longer represented by a Global Security, (i) payments of principal, premium, if any, and interest due at the Stated Maturity or earlier redemption of such Securities shall be made at the office of the Paying Agent upon surrender of such Securities to the Paying Agent, and (ii) payments of interest shall be made, at the option of the Corporation, subject to such surrender where applicable, by (A) check mailed to the address of the Person entitled thereto as such address shall appear in the Security Register or (B) wire transfer at such place and to such account at a banking institution in the United States as may be designated in writing to the Trustee at least sixteen (16) days prior to the date for payment by the Person entitled thereto.

The Corporation may redeem this Security, in whole or in part and from time to time, at the option of the Corporation, on any date (a "Redemption Date"), at a redemption price (expressed as a percentage of principal amount and rounded to three decimal places) equal to the greater of (i) (a) the sum of the present values of the remaining scheduled payments of principal and interest thereon discounted to the Redemption Date on a semi-annual basis (assuming a 360-day year consisting of twelve 30-day months) at the Treasury Rate plus 15 basis points less (b) interest accrued to the Redemption Date; and (ii) 100% of the principal amount of the Securities to be redeemed, plus, in either case, accrued and unpaid interest thereon to, but excluding, the Redemption Date.

For purposes of the preceding paragraph, the following terms have the following meanings:

"Treasury Rate" means, with respect to any Redemption Date for the Securities, the yield determined by the Corporation in accordance with the following two paragraphs.

The Treasury Rate shall be determined by the Corporation after 4:15 p.m., New York City time (or after such time as yields on U.S. government securities are posted daily by the Board of Governors of the Federal Reserve System), on the third business day preceding the Redemption Date based upon the yield or yields for the most recent day that appear after such time on such day in the most recent statistical release published by the Board of Governors of the Federal Reserve System designated as "Selected Interest Rates (Daily)—H.15" (or any successor designation or publication) ("H.15") under the caption "U.S. government securities—Treasury constant maturities — Nominal" (or any successor caption or heading) ("H.15 TCM"). In determining the Treasury Rate, the Corporation shall select, as applicable:

- the yield for the Treasury constant maturity on H.15 exactly equal to the period from the Redemption Date to the maturity date of the 2027 Notes (the "Remaining Life"); or

- if there is no such Treasury constant maturity on H.15 exactly equal to the Remaining Life, the two yields—one yield corresponding to the Treasury constant maturity on H.15 immediately shorter than and one yield corresponding to the Treasury constant maturity on H.15 immediately longer than the Remaining Life—and shall interpolate to the maturity date of the 2027 Notes, on a straight-line basis (using the actual number of days) using such yields and rounding the result to three decimal places; or

- if there is no such Treasury constant maturity on H.15 shorter than or longer than the Remaining Life, the yield for the single Treasury constant maturity on H.15 closest to the Remaining Life. For purposes of this clause, the applicable Treasury constant maturity or maturities on H.15 shall be deemed to have a maturity date equal to the relevant number of months or years, as applicable, of such Treasury constant maturity from the Redemption Date.

If on the third business day preceding the Redemption Date H.15 TCM is no longer published, the Corporation shall calculate the Treasury Rate based on the rate per annum equal to the semi-annual equivalent yield to maturity at 11:00 a.m., New York City time, on the second business day preceding such Redemption Date of the United States Treasury security maturing on, or with a maturity that is closest to, the maturity date of the 2027 Notes. If there is no United States Treasury security maturing on the maturity date of the 2027 Notes but there are two or more United States Treasury securities with a maturity date equally distant from the maturity date of the 2027 Notes, one with a maturity date preceding the maturity date of the 2027 Notes and one with a maturity date following the maturity date of the 2027 Notes, the Corporation shall select the United States Treasury security with a maturity date preceding the maturity date of the 2027 Notes. If there are two or more United States Treasury securities maturing on the maturity date of the 2027 Notes, or two or more United States Treasury securities meeting the criteria of the preceding sentence, the Corporation shall select from among these two or more United States Treasury securities the United States Treasury security that is trading closest to par based upon the average of the bid and asked prices for such United States Treasury securities at 11:00 a.m., New York City time. In determining the Treasury Rate in accordance with the terms of this paragraph, the semi-annual yield to maturity of the applicable United States Treasury security shall be based upon the average of the bid and asked prices (expressed as a percentage of principal amount) at 11:00 a.m., New York City time, of such United States Treasury security, and rounded to three decimal places.

The Corporation's actions and determinations in determining the redemption price shall be conclusive and binding for all purposes, absent manifest error.

The Trustee shall have no obligation or duty whatsoever to determine, or to verify our calculations of, the redemption price.

The Corporation shall notify the Trustee of the redemption price with respect to any redemption of the Securities of this series occurring before the maturity date of the 2027 Notes promptly after the calculation thereof. The Trustee shall not be responsible for calculating said redemption price.

Notice of any redemption by the Corporation will be mailed (or, as long as the Securities of this series are represented by one or more Global Securities, transmitted in accordance with the Depositary's standard procedures therefor) at least 10 days but not more than 60 days before any Redemption Date to each Holder of Securities of this series to be redeemed. If Notice of a redemption is provided and funds are deposited as required, interest will cease to accrue on and after the Redemption Date on the Securities of this series or portions of Securities of this series called for redemption. In the event that any Redemption Date is not a Business Day, the Corporation will pay the redemption price on the next Business Day without any interest or other payment in respect of any such delay. If less than all the Securities of this series are to be redeemed at the option of the Corporation, the Securities of this series and portions of the Securities of this series in amounts of $2,000 or any integral multiple of $1,000 in excess thereof shall be selected for redemption in accordance with the standard procedures of the Depositary.

In the event of redemption of this Security in part only, a new Security or Securities of this series and of like tenor for the unredeemed portion hereof will be issued in the name of the Holder hereof upon the surrender hereof.

The Securities of this series shall not have a sinking fund.

The Securities of this series shall constitute the direct unsecured and unsubordinated debt obligations of the Corporation and shall rank equally in priority with the Corporation's existing and future unsecured and unsubordinated indebtedness.

REFERENCE IS HEREBY MADE TO THE FURTHER PROVISIONS OF THIS SECURITY SET FORTH ON THE REVERSE HEREOF, WHICH FURTHER PROVISIONS SHALL FOR ALL PURPOSES HAVE THE SAME EFFECT AS IF SET FORTH AT THIS PLACE.

Unless the certificate of authentication hereon has been executed by the Trustee by manual, facsimile or electronic signature, this Security shall not be entitled to any benefit under the Indenture or be valid or obligatory for any purpose.

IN WITNESS WHEREOF, the Corporation has caused this instrument to be duly executed as of January 5, 2024.

Duke Energy Corporation

By: ______________________________
Name:
Title:

CERTIFICATE OF AUTHENTICATION

This is one of the Securities of the series designated therein referred to in the within-mentioned Indenture.

Dated: January 5, 2024

The Bank of New York Mellon Trust Company,
N.A., as Trustee

By: ______________________________
Authorized Signatory

(Reverse Side of Security)

This 4.850% Senior Note due 2027 is one of a duly authorized issue of Securities of the Corporation (the "Securities"), issued and issuable in one or more series under an Indenture, dated as of June 3, 2008, as supplemented (the "Indenture"), between the Corporation and The Bank of New York Mellon Trust Company, N.A. (formerly known as The Bank of New York Trust Company, N.A.), as Trustee (the "Trustee," which term includes any successor trustee under the Indenture), to which Indenture and all indentures supplemental thereto reference is hereby made for a statement of the respective rights, limitation of rights, duties and immunities thereunder of the Corporation, the Trustee and the Holders of the Securities issued thereunder and of the terms upon which said Securities are, and are to be, authenticated and delivered. This Security is one of the series designated on the face hereof as 4.850% Senior Notes due 2027 initially in the aggregate principal amount of $550,000,000. Capitalized terms used herein for which no definition is provided herein shall have the meanings set forth in the Indenture.

If an Event of Default with respect to the Securities of this series shall occur and be continuing, the principal of the Securities of this series may be declared due and payable in the manner, with the effect and subject to the conditions provided in the Indenture.

The Indenture permits, with certain exceptions as therein provided, the amendment thereof and the modification of the rights and obligations of the Corporation and the rights of the Holders of the Securities of all series affected under the Indenture at any time by the Corporation and the Trustee with the consent of the Holders of not less than a majority in principal amount of the Outstanding Securities of all series affected thereby (voting as one class). The Indenture contains provisions permitting the Holders of not less than a majority in principal amount of the Outstanding Securities of all series with respect to which a default under the Indenture shall have occurred and be continuing (voting as one class), on behalf of the Holders of the Securities of all such series, to waive, with certain exceptions, such default under the Indenture and its consequences. The Indenture also permits the Holders of not less than a majority in principal amount of the Securities of each series at the time Outstanding, on behalf of the Holders of all Securities of such series, to waive compliance by the Corporation with certain provisions of the Indenture affecting such series. Any such consent or waiver by the Holder of this Security shall be conclusive and binding upon such Holder and upon all future Holders of this Security and of any Security issued upon the registration of transfer hereof or in exchange hereof or in lieu hereof, whether or not notation of such consent or waiver is made upon this Security.

No reference herein to the Indenture and no provision of this Security or of the Indenture shall alter or impair the obligation of the Corporation, which is absolute and unconditional, to pay the principal of and interest on this Security at the times, place and rate, and in the coin or currency, herein prescribed.

As provided in the Indenture and subject to certain limitations therein set forth, the transfer of this Security is registrable in the Security Register, upon surrender of this Security for registration of transfer at the office or agency of the Corporation for such purpose, duly endorsed by, or accompanied by a written instrument of transfer in form satisfactory to the Corporation and the Security Registrar and duly executed by, the Holder hereof or his attorney duly authorized in writing and thereupon one or more new Securities of this series, of authorized denominations and of like tenor and for the same aggregate principal amount, will be issued to the designated transferee or transferees. No service charge shall be made for any such registration of transfer or exchange, but the Corporation may require payment of a sum sufficient to cover any tax or other governmental charge payable in connection therewith.

The Indenture contains provisions for defeasance at any time of the entire indebtedness of the Securities of this series and for covenant defeasance at any time of certain covenants in the Indenture upon compliance with certain conditions set forth in the Indenture.

Prior to due presentment of this Security for registration of transfer, the Corporation, the Trustee and any agent of the Corporation or the Trustee may treat the Person in whose name this Security is registered as the owner hereof for all purposes, whether or not this Security be overdue, and neither the Corporation, the Trustee nor any such agent shall be affected by notice to the contrary.

The Securities of this series are issuable only in registered form without coupons in denominations of $2,000 or any integral multiple of $1,000 in excess thereof. As provided in the Indenture and subject to the limitations therein set forth, Securities of this series are exchangeable for a like aggregate principal amount of Securities of this series of a different authorized denomination, as requested by the Holder surrendering the same upon surrender of the Security or Securities to be exchanged at the office or agency of the Corporation.

This Security shall be governed by, and construed in accordance with, the laws of the State of New York.

ABBREVIATIONS

The following abbreviations, when used in the inscription on the face of this instrument, shall be construed as though they were written out in full according to applicable laws or regulations:

TEN COM — as tenants in common

UNIF GIFT MIN ACT - ______Custodian ______
(Cust) (Minor)

TEN ENT — as tenants by the entireties

JT TEN — as joint tenants with rights of survivorship and not as tenants in common

under Uniform Gifts to Minors Act

____
(State)

Additional abbreviations may also be used though not on the above list.

FOR VALUE RECEIVED, the undersigned hereby sell(s) and transfer(s) unto (please insert Social Security or other identifying number of assignee)

PLEASE PRINT OR TYPEWRITE NAME AND ADDRESS, INCLUDING POSTAL ZIP CODE OF ASSIGNEE

the within Security and all rights thereunder, hereby irrevocably constituting and appointing agent to transfer said Security on the books of the Corporation, with full power of substitution in the premises.

Dated:

____

NOTICE: The signature to this assignment must correspond with the name as written upon the face of the within instrument in every particular without alteration or enlargement, or any change whatever.

Signature Guarantee: ______________________

SIGNATURE GUARANTEE

Signatures must be guaranteed by an “eligible guarantor institution” meeting the requirements of the Security Registrar, which requirements include membership or participation in the Security Transfer Agent Medallion Program (“STAMP”) or such other “signature guarantee program” as may be determined by the Security Registrar in addition to, or in substitution for, STAMP, all in accordance with the Securities Exchange Act of 1934, as amended.

EXHIBIT B

CERTIFICATE OF AUTHENTICATION

This is one of the Securities of the series designated therein referred to in the within-mentioned Indenture.

Dated:

The Bank of New York Mellon Trust Company,
N.A., as Trustee

By: ______________________________
Authorized Signatory

EXHIBIT C

FORM OF
4.850% SENIOR NOTE DUE 2029

No. CUSIP No. 26441C CC7

DUKE ENERGY CORPORATION
4.850% SENIOR NOTE DUE 2029

Principal Amount: $

Regular Record Date: [Close of business on the business day immediately preceding such Interest Payment Date so long as all of the Securities (as defined herein) of this series remain in book-entry only form] [Close of business on the 15th calendar day next preceding such Interest Payment Date (whether or not a Business Day) if any of the Securities (as defined herein) of this series do not remain in book-entry only form]

Original Issue Date: January 5, 2024

Stated Maturity: January 5, 2029

Interest Payment Dates: Semi-annually on January 5 and July 5 of each year, commencing on July 5, 2024

Interest Rate: 4.850% per annum

Authorized Denomination: $2,000 or any integral multiple of $1,000 in excess thereof

Duke Energy Corporation, a Delaware corporation (the "Corporation", which term includes any successor corporation under the Indenture referred to on the reverse hereof), for value received, hereby promises to pay to , or registered assigns, the principal sum of DOLLARS ($) on the Stated Maturity shown above and to pay interest thereon from the Original Issue Date shown above, or from the most recent Interest Payment Date to which interest has been paid or duly provided for, semi-annually in arrears on each Interest Payment Date as specified above, commencing on July 5, 2024 and on the Stated Maturity at the rate per annum shown above until the principal hereof is paid or made available for payment and at such rate on any overdue principal and on any overdue installment of interest. The interest so payable, and punctually paid or duly provided for, on any Interest Payment Date (other than an Interest Payment Date that is the Stated Maturity or a Redemption Date) will, as provided in the Indenture, be paid to the Person in whose name this 4.850% Senior Note due 2029 (this "Security") is registered on the applicable Regular Record Date as specified above next preceding such Interest Payment Date; *provided* that any interest payable at Stated Maturity or on a Redemption Date will be paid to the Person to whom principal is payable. Except as otherwise provided in the Indenture, any such interest not so punctually paid or duly provided for will forthwith cease to be payable to the Holder on such Regular Record Date and may either be paid to the Person in whose name this Security is registered at the close of business on a Special Record Date for the payment of such Defaulted Interest to be fixed by the Trustee, notice whereof shall be given to Holders of Securities of this series not less than 10 days prior to such Special Record Date, or be paid at any time in any other lawful manner not inconsistent with the requirements of any securities exchange, if any, on which the Securities shall be listed, and upon such notice as may be required by any such exchange, all as more fully provided in the Indenture.

Payments of interest on this Security will include interest accrued to but excluding the respective Interest Payment Dates. Interest payments for this Security shall be computed and paid on the basis of a 360-day year consisting of twelve 30-day months and will accrue from January 5, 2024 or from the most recent Interest Payment Date to which interest has been paid or duly provided for. In the event that any date on which interest is payable on this Security is not a Business Day, then payment of the interest payable on such date will be made on the next succeeding day that is a Business Day (and without any interest or payment in respect of any such delay) with the same force and effect as if made on the date the payment was originally payable. "Business Day" means any day other than a Saturday or Sunday that is neither a Legal Holiday nor a day on which banking institutions in New York, New York are authorized or required by law, regulation or executive order to close, or a day on which the Corporate Trust Office is closed for business. "Legal Holiday" means any day that is a legal holiday in New York, New York.

Payment of principal of, premium, if any, and interest on the Securities of this series shall be made in such coin or currency of the United States of America as at the time of payment is legal tender for payment of public and private debts. Payments of principal of, premium, if any, and interest on the Securities of this series represented by a Global Security shall be made by wire transfer of immediately available funds to the Holder of such Global Security. If any of the Securities of this series are no longer represented by a Global Security, (i) payments of principal, premium, if any, and interest due at the Stated Maturity or earlier redemption of such Securities shall be made at the office of the Paying Agent upon surrender of such Securities to the Paying Agent, and (ii) payments of interest shall be made, at the option of the Corporation, subject to such surrender where applicable, by (A) check mailed to the address of the Person entitled thereto as such address shall appear in the Security Register or (B) wire transfer at such place and to such account at a banking institution in the United States as may be designated in writing to the Trustee at least sixteen (16) days prior to the date for payment by the Person entitled thereto.

The Corporation may redeem this Security prior to December 5, 2028 (the "Par Call Date"), in whole or in part and from time to time, at the option of the Corporation, on any date (a "Redemption Date"), at a redemption price (expressed as a percentage of principal amount and rounded to three decimal places) equal to the greater of (i) (a) the sum of the present values of the remaining scheduled payments of principal and interest thereon discounted to the Redemption Date (assuming the Securities matured on the Par Call Date) on a semi-annual basis (assuming a 360-day year consisting of twelve 30-day months) at the Treasury Rate plus 15 basis points less (b) interest accrued to the Redemption Date; and (ii) 100% of the principal amount of the Securities to be redeemed, plus, in either case, accrued and unpaid interest thereon to, but excluding, the Redemption Date.

On or after the Par Call Date, the Corporation may redeem the Securities of this series, in whole or in part, at any time and from time to time, at the option of the Corporation, at a redemption price equal to 100% of the principal amount of the Securities to be redeemed plus accrued and unpaid interest thereon to, but excluding, the Redemption Date.

For purposes of the preceding paragraph, the following terms have the following meanings:

"Treasury Rate" means, with respect to any Redemption Date for the Securities, the yield determined by the Corporation in accordance with the following two paragraphs.

The Treasury Rate shall be determined by the Corporation after 4:15 p.m., New York City time (or after such time as yields on U.S. government securities are posted daily by the Board of Governors of the Federal Reserve System), on the third business day preceding the Redemption Date based upon the yield or yields for the most recent day that appear after such time on such day in the most recent statistical release published by the Board of Governors of the Federal Reserve System designated as "Selected Interest Rates (Daily)—H.15" (or any successor designation or publication) ("H.15") under the caption "U.S. government securities—Treasury constant maturities — Nominal" (or any successor caption or heading) ("H.15 TCM"). In determining the Treasury Rate, the Corporation shall select, as applicable:

- the yield for the Treasury constant maturity on H.15 exactly equal to the period from the Redemption Date to the Par Call Date (the "Remaining Life"); or

- if there is no such Treasury constant maturity on H.15 exactly equal to the Remaining Life, the two yields—one yield corresponding to the Treasury constant maturity on H.15 immediately shorter than and one yield corresponding to the Treasury constant maturity on H.15 immediately longer than the Remaining Life—and shall interpolate to the Par Call Date, on a straight-line basis (using the actual number of days) using such yields and rounding the result to three decimal places; or

- if there is no such Treasury constant maturity on H.15 shorter than or longer than the Remaining Life, the yield for the single Treasury constant maturity on H.15 closest to the Remaining Life. For purposes of this clause, the applicable Treasury constant maturity or maturities on H.15 shall be deemed to have a maturity date equal to the relevant number of months or years, as applicable, of such Treasury constant maturity from the Redemption Date.

If on the third business day preceding the Redemption Date H.15 TCM is no longer published, the Corporation shall calculate the Treasury Rate based on the rate per annum equal to the semi-annual equivalent yield to maturity at 11:00 a.m., New York City time, on the second business day preceding such Redemption Date of the United States Treasury security maturing on, or with a maturity that is closest to, the Par Call Date. If there is no United States Treasury security maturing on the Par Call Date but there are two or more United States Treasury securities with a maturity date equally distant from the Par Call Date, one with a maturity date preceding the Par Call Date and one with a maturity date following the Par Call Date, the Corporation shall select the United States Treasury security with a maturity date preceding the Par Call Date. If there are two or more United States Treasury securities maturing on the Par Call Date, or two or more United States Treasury securities meeting the criteria of the preceding sentence, the Corporation shall select from among these two or more United States Treasury securities the United States Treasury security that is trading closest to par based upon the average of the bid and asked prices for such United States Treasury securities at 11:00 a.m., New York City time. In determining the Treasury Rate in accordance with the terms of this paragraph, the semi-annual yield to maturity of the applicable United States Treasury security shall be based upon the average of the bid and asked prices (expressed as a percentage of principal amount) at 11:00 a.m., New York City time, of such United States Treasury security, and rounded to three decimal places.

The Corporation's actions and determinations in determining the redemption price shall be conclusive and binding for all purposes, absent manifest error.

The Trustee shall have no obligation or duty whatsoever to determine, or to verify our calculations of, the redemption price.

The Corporation shall notify the Trustee of the redemption price with respect to any redemption of the Securities of this series occurring before the Par Call Date promptly after the calculation thereof. The Trustee shall not be responsible for calculating said redemption price.

Notice of any redemption by the Corporation will be mailed (or, as long as the Securities of this series are represented by one or more Global Securities, transmitted in accordance with the Depositary's standard procedures therefor) at least 10 days but not more than 60 days before any Redemption Date to each Holder of Securities of this series to be redeemed. If Notice of a redemption is provided and funds are deposited as required, interest will cease to accrue on and after the Redemption Date on the Securities of this series or portions of Securities of this series called for redemption. In the event that any Redemption Date is not a Business Day, the Corporation will pay the redemption price on the next Business Day without any interest or other payment in respect of any such delay. If less than all the Securities of this series are to be redeemed at the option of the Corporation, the Securities of this series and portions of the Securities of this series in amounts of $2,000 or any integral multiple of $1,000 in excess thereof shall be selected for redemption in accordance with the standard procedures of the Depositary.

In the event of redemption of this Security in part only, a new Security or Securities of this series and of like tenor for the unredeemed portion hereof will be issued in the name of the Holder hereof upon the surrender hereof.

The Securities of this series shall not have a sinking fund.

The Securities of this series shall constitute the direct unsecured and unsubordinated debt obligations of the Corporation and shall rank equally in priority with the Corporation's existing and future unsecured and unsubordinated indebtedness.

REFERENCE IS HEREBY MADE TO THE FURTHER PROVISIONS OF THIS SECURITY SET FORTH ON THE REVERSE HEREOF, WHICH FURTHER PROVISIONS SHALL FOR ALL PURPOSES HAVE THE SAME EFFECT AS IF SET FORTH AT THIS PLACE.

Unless the certificate of authentication hereon has been executed by the Trustee by manual, facsimile or electronic signature, this Security shall not be entitled to any benefit under the Indenture or be valid or obligatory for any purpose.

IN WITNESS WHEREOF, the Corporation has caused this instrument to be duly executed as of January 5, 2024.

Duke Energy Corporation

By: ______________________________
Name:
Title:

CERTIFICATE OF AUTHENTICATION

This is one of the Securities of the series designated therein referred to in the within-mentioned Indenture.

Dated: January 5, 2024

The Bank of New York Mellon Trust Company, N.A., as Trustee

By: ______________________________
Authorized Signatory

(Reverse Side of Security)

This 4.850% Senior Note due 2029 is one of a duly authorized issue of Securities of the Corporation (the "Securities"), issued and issuable in one or more series under an Indenture, dated as of June 3, 2008, as supplemented (the "Indenture"), between the Corporation and The Bank of New York Mellon Trust Company, N.A. (formerly known as The Bank of New York Trust Company, N.A.), as Trustee (the "Trustee," which term includes any successor trustee under the Indenture), to which Indenture and all indentures supplemental thereto reference is hereby made for a statement of the respective rights, limitation of rights, duties and immunities thereunder of the Corporation, the Trustee and the Holders of the Securities issued thereunder and of the terms upon which said Securities are, and are to be, authenticated and delivered. This Security is one of the series designated on the face hereof as 4.850% Senior Notes due 2029 initially in the aggregate principal amount of $550,000,000. Capitalized terms used herein for which no definition is provided herein shall have the meanings set forth in the Indenture.

If an Event of Default with respect to the Securities of this series shall occur and be continuing, the principal of the Securities of this series may be declared due and payable in the manner, with the effect and subject to the conditions provided in the Indenture.

The Indenture permits, with certain exceptions as therein provided, the amendment thereof and the modification of the rights and obligations of the Corporation and the rights of the Holders of the Securities of all series affected under the Indenture at any time by the Corporation and the Trustee with the consent of the Holders of not less than a majority in principal amount of the Outstanding Securities of all series affected thereby (voting as one class). The Indenture contains provisions permitting the Holders of not less than a majority in principal amount of the Outstanding Securities of all series with respect to which a default under the Indenture shall have occurred and be continuing (voting as one class), on behalf of the Holders of the Securities of all such series, to waive, with certain exceptions, such default under the Indenture and its consequences. The Indenture also permits the Holders of not less than a majority in principal amount of the Securities of each series at the time Outstanding, on behalf of the Holders of all Securities of such series, to waive compliance by the Corporation with certain provisions of the Indenture affecting such series. Any such consent or waiver by the Holder of this Security shall be conclusive and binding upon such Holder and upon all future Holders of this Security and of any Security issued upon the registration of transfer hereof or in exchange hereof or in lieu hereof, whether or not notation of such consent or waiver is made upon this Security.

No reference herein to the Indenture and no provision of this Security or of the Indenture shall alter or impair the obligation of the Corporation, which is absolute and unconditional, to pay the principal of and interest on this Security at the times, place and rate, and in the coin or currency, herein prescribed.

As provided in the Indenture and subject to certain limitations therein set forth, the transfer of this Security is registrable in the Security Register, upon surrender of this Security for registration of transfer at the office or agency of the Corporation for such purpose, duly endorsed by, or accompanied by a written instrument of transfer in form satisfactory to the Corporation and the Security Registrar and duly executed by, the Holder hereof or his attorney duly authorized in writing and thereupon one or more new Securities of this series, of authorized denominations and of like tenor and for the same aggregate principal amount, will be issued to the designated transferee or transferees. No service charge shall be made for any such registration of transfer or exchange, but the Corporation may require payment of a sum sufficient to cover any tax or other governmental charge payable in connection therewith.

The Indenture contains provisions for defeasance at any time of the entire indebtedness of the Securities of this series and for covenant defeasance at any time of certain covenants in the Indenture upon compliance with certain conditions set forth in the Indenture.

Prior to due presentment of this Security for registration of transfer, the Corporation, the Trustee and any agent of the Corporation or the Trustee may treat the Person in whose name this Security is registered as the owner hereof for all purposes, whether or not this Security be overdue, and neither the Corporation, the Trustee nor any such agent shall be affected by notice to the contrary.

The Securities of this series are issuable only in registered form without coupons in denominations of $2,000 or any integral multiple of $1,000 in excess thereof. As provided in the Indenture and subject to the limitations therein set forth, Securities of this series are exchangeable for a like aggregate principal amount of Securities of this series of a different authorized denomination, as requested by the Holder surrendering the same upon surrender of the Security or Securities to be exchanged at the office or agency of the Corporation.

This Security shall be governed by, and construed in accordance with, the laws of the State of New York.

ABBREVIATIONS

The following abbreviations, when used in the inscription on the face of this instrument, shall be construed as though they were written out in full according to applicable laws or regulations:

TEN COM — as tenants in common

UNIF GIFT MIN ACT - ______Custodian ______
(Cust) (Minor)

TEN ENT — as tenants by the entireties

JT TEN — as joint tenants with rights of survivorship and not as tenants in common

under Uniform Gifts to Minors Act

____
(State)

Additional abbreviations may also be used though not on the above list.

FOR VALUE RECEIVED, the undersigned hereby sell(s) and transfer(s) unto (please insert Social Security or other identifying number of assignee)

PLEASE PRINT OR TYPEWRITE NAME AND ADDRESS, INCLUDING POSTAL ZIP CODE OF ASSIGNEE

the within Security and all rights thereunder, hereby irrevocably constituting and appointing agent to transfer said Security on the books of the Corporation, with full power of substitution in the premises.

Dated: ______________________________

NOTICE: The signature to this assignment must correspond with the name as written upon the face of the within instrument in every particular without alteration or enlargement, or any change whatever.

Signature
Guarantee: ______________________________

SIGNATURE GUARANTEE

Signatures must be guaranteed by an "eligible guarantor institution" meeting the requirements of the Security Registrar, which requirements include membership or participation in the Security Transfer Agent Medallion Program ("STAMP") or such other "signature guarantee program" as may be determined by the Security Registrar in addition to, or in substitution for, STAMP, all in accordance with the Securities Exchange Act of 1934, as amended.

EXHIBIT D

CERTIFICATE OF AUTHENTICATION

This is one of the Securities of the series designated therein referred to in the within-mentioned Indenture.

Dated:

The Bank of New York Mellon Trust Company, N.A., as Trustee

By: ______________________________
Authorized Signatory

Exhibit 5.1

DUKE ENERGY BUSINESS SERVICES LLC
525 South Tryon Street
Charlotte, North Carolina 28202-1803
January 5, 2024

Duke Energy Corporation
525 South Tryon Street
Charlotte, North Carolina 28202-1803

Re: Duke Energy Corporation
$550,000,000 4.850% Senior Notes due 2027
$550,000,000 4.850% Senior Notes due 2029

To the Addressee:

I am Deputy General Counsel of Duke Energy Business Services LLC, the service company subsidiary of Duke Energy Corporation, a Delaware corporation (the "Company"), and in such capacity I have acted as counsel to the Company in connection with the public offering of $550,000,000 aggregate principal amount of the Company's 4.850% Senior Notes due 2027 and $550,000,000 aggregate principal amount of the Company's 4.850% Senior Notes due 2029 (collectively, the "Securities"). The Securities are being issued pursuant to an Indenture, dated as of June 3, 2008 (the "Original Indenture"), by and between the Company and The Bank of New York Mellon Trust Company, N.A., as trustee (the "Trustee"), as amended and supplemented by various supplemental indentures thereto, including the Thirty-first Supplemental Indenture, dated as of January 5, 2024 (the "Supplemental Indenture"), between the Company and the Trustee (the Original Indenture, as amended and supplemented, being referred to as the "Indenture"). On January 2, 2024, the Company entered into an Underwriting Agreement (the "Underwriting Agreement") with Citigroup Global Markets Inc., Morgan Stanley & Co. LLC, TD Securities (USA) LLC, U.S. Bancorp Investments, Inc., and Wells Fargo Securities, LLC, as representatives of the several underwriters named therein (the "Underwriters"), relating to the sale by the Company to the Underwriters of the Securities.

This opinion letter is being delivered in accordance with the requirements of Item 601(b)(5) of Regulation S-K under the Securities Act of 1933, as amended (the "Securities Act").

I am a member of the bar of the State of North Carolina and my opinions set forth herein are limited to Delaware corporate law and the laws of the State of New York and the federal laws of the United States that, in my experience, are normally applicable to transactions of the type contemplated above and, to the extent that judicial or regulatory orders or decrees or consents, approvals, licenses, authorizations, validations, filings, recordings or registrations with governmental authorities are relevant, to those required under such laws (all of the foregoing being referred to as "Opined on Law"). I do not express any opinion with respect to the law of any jurisdiction other than Opined on Law or as to the effect of any such non-opined law on the opinions herein stated. This opinion letter is limited to the laws, including the rules and regulations, as in effect on the date hereof, which laws are subject to change with possible retroactive effect.

In rendering the opinions set forth herein, I or attorneys under my supervision (with whom I have consulted) have examined and are familiar with originals or copies, certified or otherwise identified to our satisfaction, of:

(a) the registration statement on Form S-3 (File No. 333-267583) of the Company relating to the Securities and other securities of the Company filed on September 23, 2022 with the Securities and Exchange Commission (the "Commission") under the Securities Act, allowing for delayed offerings pursuant to Rule 415 under the Securities Act and the information deemed to be a part of such registration statement as of the date hereof pursuant to Rule 430B of the General Rules and Regulations under the Securities Act (the "Rules and Regulations") (such registration statement, effective upon filing with the Commission on September 23, 2022 pursuant to Rule 462(e) of the Rules and Regulations, being hereinafter referred to as the "Registration Statement");

(b) the prospectus, dated September 23, 2022 (the "Base Prospectus") relating to the offering of securities of the Company, which forms a part of and is included in the Registration Statement in the form filed with the Commission pursuant to Rule 424(b) of the Rules and Regulations;

(c) the preliminary prospectus supplement, dated January 2, 2024, and the Base Prospectus, relating to the offering of the Securities in the form filed with the Commission pursuant to Rule 424(b) of the Rules and Regulations;

(d) the prospectus supplement, dated January 2, 2024, and the Base Prospectus, relating to the offering of the Securities in the form filed with the Commission pursuant to Rule 424(b) of the Rules and Regulations;

(e) the Amended and Restated Certificate of Incorporation of the Company, effective as of May 19, 2014 and as amended on September 11, 2019, as certified by the Secretary of State of the State of Delaware;

(f) the Amended and Restated By-laws of the Company, effective as of December 14, 2023;

(g) an executed copy of the Original Indenture;

(h) an executed copy of the Supplemental Indenture;

(i) an executed copy of the Underwriting Agreement;

(j) the certificates representing the Securities of each series;

(k) the issuer free writing prospectus issued at or prior to 4:30 p.m. (Eastern time) on January 2, 2024 which the Company was advised is the time of the first contract of sale of the Securities, substantially in the form attached as Schedule C to the Underwriting Agreement and as filed with the Commission pursuant to Rule 433(d) of the Securities Act and Section 5(e) of the Underwriting Agreement;

(l) the Statement of Eligibility under the Trust Indenture Act of 1939, as amended, on Form T-1, of the Trustee;

(m) resolutions of the Board of Directors of the Company, adopted on May 5, 2022, relating to the preparation and filing with the Commission of the Registration Statement and the issuance of the Company's securities; and

(n) the written consent of the Assistant Treasurer of the Company, effective as of January 2, 2024.

I or attorneys under my supervision (with whom I have consulted) have also examined originals or copies, certified or otherwise identified to our satisfaction, of such records of the Company and such agreements, certificates and receipts of public officials, certificates of officers or other representatives of the Company and others, and such other documents as I or attorneys under my supervision (with whom I have consulted) have deemed necessary or appropriate as a basis for the opinions set forth below.

In my examination, I or attorneys under my supervision (with whom I have consulted) have assumed the legal capacity of all natural persons, the genuineness of all signatures, the authenticity of all documents submitted to me as originals, the conformity to original documents of all documents submitted to me as facsimile, electronic, certified, conformed, or photostatic copies, and the authenticity of the originals of such documents. In making my examination of executed documents or documents to be executed, I have assumed that the parties thereto, other than the Company had or will have the power, corporate or otherwise, to enter into and perform all obligations thereunder and have also assumed the due authorization by all requisite action, corporate or other, and the execution and delivery by such parties of such documents, and, as to parties other than the Company, the validity and binding effect on such parties. As to any facts material to this opinion letter that I or attorneys under my supervision (with whom I have consulted) did not independently establish or verify, we have relied upon oral or written statements and representations of officers and other representatives of the Company and others and of public officials.

The opinions set forth below are subject to the following further qualifications, assumptions and limitations:

(i) the validity or enforcement of any agreements or instruments may be limited by applicable bankruptcy, insolvency, reorganization, moratorium or other similar laws affecting creditors' rights generally and by general principles of equity (regardless of whether enforceability is considered in a proceeding in equity or at law); and

(ii) I do not express any opinion as to the applicability or effect of any fraudulent transfer, preference or similar law on any agreements or instruments or any transactions contemplated thereby.

Based upon the foregoing and subject to the limitations, qualifications, exceptions and assumptions set forth herein, I am of the opinion that the Securities have been duly authorized and executed by the Company, and that when duly authenticated by the Trustee and issued and delivered by the Company against payment therefor in accordance with the terms of the Underwriting Agreement and the Indenture, the Securities will constitute valid and binding obligations of the Company entitled to the benefits of the Indenture and enforceable against the Company in accordance with their respective terms.

I hereby consent to the filing of this opinion letter with the Commission as Exhibit 5.1 to the Registration Statement through incorporation by reference of a current report on Form 8-K. I also hereby consent to the use of my name under the heading "Legal Matters" in the prospectus which forms a part of the Registration Statement. In giving this consent, I do not thereby admit that I am within the category of persons whose consent is required under Section 7 of the Securities Act or the rules and regulations of the Commission promulgated thereunder. This opinion letter is expressed as of the date hereof unless otherwise expressly stated, and I disclaim any undertaking to advise you of any subsequent changes in the facts stated or assumed herein or of any subsequent changes in applicable laws.

Very truly yours,

/s/ Robert T. Lucas III

Robert T. Lucas III, Esq.

Exhibit 99.1

DUKE ENERGY CORPORATION

$550,000,000 4.850% SENIOR NOTES DUE 2027
$550,000,000 4.850% SENIOR NOTES DUE 2029

UNDERWRITING AGREEMENT

January 2, 2024

Citigroup Global Markets Inc.
Morgan Stanley & Co. LLC
TD Securities (USA) LLC
U.S. Bancorp Investments, Inc.
Wells Fargo Securities, LLC

As Representatives of the several Underwriters

c/o Wells Fargo Securities, LLC
550 South Tryon Street, 5th Floor
Charlotte, North Carolina 28202

Ladies and Gentlemen:

1. *Introductory*. DUKE ENERGY CORPORATION, a Delaware corporation (the "**Corporation**"), proposes, subject to the terms and conditions stated herein, to issue and sell (i) $550,000,000 aggregate principal amount of 4.850% Senior Notes due 2027 (the "**2027 Notes**") and (ii) $550,000,000 aggregate principal amount of 4.850% Senior Notes due 2029 (the "**2029 Notes** " and, together with the 2027 Notes, the "**Notes**") to be issued pursuant to the provisions of an Indenture, dated as of June 3, 2008, (the "**Original Indenture**") as supplemented from time to time by supplemental indentures, including the Thirty-first Supplemental Indenture, to be dated as of January 5, 2024 (the "**Supplemental Indenture**" and together with the Original Indenture, the "**Indenture**"), between the Corporation and The Bank of New York Mellon Trust Company, N.A. (the "**Trustee**"). Citigroup Global Markets Inc., Morgan Stanley & Co. LLC, TD Securities (USA) LLC, U.S. Bancorp Investments, Inc. and Wells Fargo Securities, LLC (the "**Representatives**") are acting as representatives of the several underwriters named in Schedule A hereto (together with the Representatives, the "**Underwriters**"). The Corporation understands that the several Underwriters propose to offer the Notes for sale upon the terms and conditions contemplated by (i) this Agreement and (ii) the Base Prospectus, the Preliminary Prospectus and the Permitted Free Writing Prospectus (each as defined below) issued at or prior to the Applicable Time (as defined below) (the documents referred to in the foregoing subclause (ii) are referred to herein as the "**Pricing Disclosure Package**").

2. *Representations and Warranties of the Corporation.* The Corporation represents and warrants to, and agrees with, the several Underwriters that:

(a) A registration statement (No. 333-267583), including a prospectus, relating to the Notes and certain other securities has been filed with the Securities and Exchange Commission (the "**Commission**") under the Securities Act of 1933, as amended (the "**1933 Act**"). Such registration statement and any post-effective amendment thereto, each in the form heretofore delivered to you, became effective upon filing with the Commission pursuant to Rule 462 of the rules and regulations of the Commission under the 1933 Act (the "**1933 Act Regulations**"), and no stop order suspending the effectiveness of such registration statement has been issued and no proceeding for that purpose or pursuant to Section 8A of the 1933 Act has been initiated or threatened by the Commission (if prepared, any preliminary prospectus supplement specifically relating to the Notes immediately prior to the Applicable Time included in such registration statement or filed with the Commission pursuant to Rule 424(b) of the 1933 Act Regulations being hereinafter called a "**Preliminary Prospectus**"); the term "**Registration Statement**" means the registration statement as deemed revised pursuant to Rule 430B(f)(1) of the 1933 Act Regulations on the date of such registration statement's effectiveness for purposes of Section 11 of the 1933 Act, as such section applies to the Corporation and the Underwriters for the Notes pursuant to Rule 430B(f)(2) of the 1933 Act Regulations (the "**Effective Date**"), including all exhibits thereto and including the documents incorporated by reference in the prospectus contained in the Registration Statement at the time such part of the Registration Statement became effective; the term "**Base Prospectus**" means the prospectus filed with the Commission on the date hereof by the Corporation; and the term "**Prospectus**" means the Base Prospectus together with the prospectus supplement specifically relating to the Notes prepared in accordance with the provisions of Rule 430B and promptly filed after execution and delivery of this Agreement pursuant to Rule 430B or Rule 424(b) of the 1933 Act Regulations; any information included in such Prospectus that was omitted from the Registration Statement at the time it became effective but that is deemed to be a part of and included in such registration statement pursuant to Rule 430B is referred to as "**Rule 430B Information**;" and any reference herein to the Registration Statement, the Preliminary Prospectus or the Prospectus shall be deemed to refer to and include the documents incorporated by reference therein, prior to the date hereof; any reference to any amendment or supplement to any Preliminary Prospectus or Prospectus shall be deemed to refer to and include any documents filed after the date of such Preliminary Prospectus or Prospectus, as the case may be, under the Securities Exchange Act of 1934, as amended (the "**1934 Act**"), and incorporated by reference in such Preliminary Prospectus or Prospectus, as the case may be; and any reference to any amendment to the Registration Statement shall be deemed to refer to and include any annual report of the Corporation filed pursuant to Section 13(a) or 15(d) of the 1934 Act after the effective date of the Registration Statement that is incorporated by reference in the Registration Statement. For purposes of this Agreement, the term "**Applicable Time**" means 4:05 p.m. (New York City time) on the date hereof.

(b) The Registration Statement, the Permitted Free Writing Prospectus specified on Schedule B hereto, the Preliminary Prospectus and the Prospectus conform, and any amendments or supplements thereto will conform, in all material respects to the requirements of the 1933 Act and the 1933 Act Regulations; and (A) the Registration Statement, as of its original effective date and at each deemed effective date with respect to the Underwriters pursuant to Rule 430B(f)(2) of the 1933 Act Regulations, and at the Closing Date (as defined in Section 3), did not and will not contain any untrue statement of a material fact or omit to state any material fact required to be stated therein or necessary to make the statements therein not misleading, and (B) (i) the Pricing Disclosure Package, as of the Applicable Time, did not, (ii) the Prospectus and any amendment or supplement thereto, as of their dates, will not, and (iii) the Prospectus as of the Closing Date will not, include any untrue statement of a material fact or omit to state any material fact necessary to make the statements therein, in the light of the circumstances under which they were made, not misleading, except that the Corporation makes no warranty or representation to the Underwriters with respect to any statements or omissions made in reliance upon and in conformity with written information furnished to the Corporation by the Representatives on behalf of the Underwriters specifically for use in the Registration Statement, the Permitted Free Writing Prospectus, the Preliminary Prospectus or the Prospectus.

(c) The Permitted Free Writing Prospectus specified on Schedule B hereto as of its issue date and at all subsequent times through the completion of the public offer and sale of the Notes or until any earlier date that the Corporation notified or notifies the Underwriters pursuant to Section 5(f) hereof did not, does not and will not include any information that conflicts with the information (not superseded or modified as of the Effective Date) contained in the Registration Statement, the Preliminary Prospectus or the Prospectus.

(d) At the earliest time the Corporation or another offering participant made a bona fide offer (within the meaning of Rule 164(h)(2) of the 1933 Act Regulations) of the Notes, the Corporation was not an "ineligible issuer" as defined in Rule 405 of the 1933 Act Regulations. The Corporation is, and was at the time of the initial filing of the Registration Statement, eligible to use Form S-3 under the 1933 Act.

(e) The documents and interactive data in eXtensible Business Reporting Language ("**XBRL**") incorporated or deemed to be incorporated by reference in the Registration Statement, the Pricing Disclosure Package and the Prospectus, at the time they were filed or hereafter are filed with the Commission, complied and will comply in all material respects with the requirements of the 1934 Act and the rules and regulations of the Commission thereunder (the "**1934 Act Regulations**"), and, when read together with the other information in the Prospectus, (a) at the time the Registration Statement became effective, (b) at the Applicable Time and (c) on the Closing Date did not and will not contain an untrue statement of a material fact or omit to state a material fact required to be stated therein or necessary to make the statements therein, in the light of the circumstances under which they were made, not misleading.

(f) The compliance by the Corporation with all of the provisions of this Agreement has been duly authorized by all necessary corporate action and the consummation of the transactions herein contemplated will not conflict with or result in a breach or violation of any of the terms or provisions of, or constitute a default under, any indenture, mortgage, deed of trust, loan agreement or other agreement or instrument to which the Corporation or any of its Principal Subsidiaries (as hereinafter defined) is a party or by which any of them or their respective property is bound or to which any of their properties or assets is subject that would have a material adverse effect on the business, financial condition or results of operations of the Corporation and its subsidiaries, taken as a whole, nor will such action result in any violation of the provisions of the amended and restated Certificate of Incorporation of the Corporation (the "**Certificate of Incorporation**"), the amended and restated By-Laws of the Corporation (the "**By-Laws**") or any statute or any order, rule or regulation of any court or governmental agency or body having jurisdiction over the Corporation or its Principal Subsidiaries or any of their respective properties that would have a material adverse effect on the business, financial condition or results of operations of the Corporation and its subsidiaries, taken as a whole; and no consent, approval, authorization, order, registration or qualification of or with any such court or governmental agency or body is required for the consummation by the Corporation of the transactions contemplated by this Agreement, except for the approval of the North Carolina Utilities Commission which has been received as of the date of this Agreement, the registration under the 1933 Act of the Notes, qualification under the Trust Indenture Act of 1939, as amended (the "**1939 Act**") and such consents, approvals, authorizations, registrations or qualifications as may be required under state securities or Blue Sky laws in connection with the purchase and distribution of the Notes by the Underwriters.

(g) This Agreement has been duly authorized, executed and delivered by the Corporation.

(h) Each of Duke Energy Carolinas, LLC, a North Carolina limited liability company, Duke Energy Indiana, LLC, an Indiana limited liability company, Progress Energy, Inc., a North Carolina corporation, Duke Energy Progress, LLC, a North Carolina limited liability company, and Duke Energy Florida, LLC, a Florida limited liability company, is a "significant subsidiary" of the Corporation within the meaning of Rule 1-02 of Regulation S-X under the 1933 Act (herein collectively referred to, along with Duke Energy Ohio, Inc., an Ohio corporation and Piedmont Natural Gas Company, Inc., a North Carolina corporation, as the "**Principal Subsidiaries**").

(i) The Original Indenture has been duly authorized, executed and delivered by the Corporation and duly qualified under the 1939 Act and the Supplemental Indenture has been duly authorized and when executed and delivered by the Corporation and, assuming the due authorization, execution and delivery thereof by the Trustee, the Indenture will constitute a valid and legally binding instrument of the Corporation enforceable against the Corporation in accordance with its terms, except as the enforceability thereof may be limited by bankruptcy, insolvency, reorganization, moratorium, fraudulent transfer or similar laws affecting creditors' rights generally and by general principles of equity (regardless of whether such enforceability is considered in a proceeding in equity or at law) and an implied covenant of good faith and fair dealing.

(j) The Notes have been duly authorized and when executed by the Corporation and when authenticated by the Trustee, in the manner provided in the Indenture and delivered against payment therefor, will constitute valid and legally binding obligations of the Corporation, enforceable against the Corporation in accordance with their terms, except as the enforceability thereof may be limited by bankruptcy, insolvency, reorganization, moratorium, fraudulent transfer or similar laws affecting creditors' rights generally and by general principles of equity (regardless of whether such enforceability is considered in a proceeding in equity or at law) and an implied covenant of good faith and fair dealing, and are entitled to the benefits afforded by the Indenture in accordance with the terms of the Indenture and the Notes, except as set forth in paragraph (i) above.

(k) Any indenture, mortgage, deed of trust, loan agreement or other agreement or instrument filed or incorporated by reference as an exhibit to the Registration Statement or the Annual Report on Form 10-K of the Corporation for the fiscal year ended December 31, 2022 or any subsequent Quarterly Report on Form 10-Q of the Corporation or any Current Report on Form 8-K of the Corporation with an execution or a filing date after December 31, 2022, except to the extent that such agreement is no longer in effect or to the extent that neither the Corporation nor any subsidiary of the Corporation is currently a party to such agreement, are all indentures, mortgages, deeds of trust, loan agreements or other agreements or instruments that are material to the Corporation.

(l) The Corporation is not required to be qualified as a foreign corporation to transact business in Indiana, North Carolina, Ohio, South Carolina and Florida.

(m) Any pro forma financial statements of the Corporation and its subsidiaries and the related notes thereto incorporated by reference in the Registration Statement, the Pricing Disclosure Package and the Prospectus have been prepared in accordance with the Commission's rules and guidelines with respect to pro forma financial statements and have been properly compiled on the bases described therein.

3. *Purchase, Sale and Delivery of Notes.* On the basis of the representations, warranties and agreements herein contained, but subject to the terms and conditions herein set forth, the Corporation agrees to sell to the Underwriters, and the Underwriters agree, severally and not jointly, to purchase from the Corporation, at a purchase price of (i) 99.639% of the principal amount of the 2027 Notes plus accrued interest, if any, from January 5, 2024 (and in the manner set forth below) and (ii) 99.281% of the principal amount of the 2029 Notes plus accrued interest, if any, from January 5, 2024 (and in the manner set forth below), the respective principal amounts of Notes set forth opposite the names of the Underwriters in Schedule A hereto plus the respective principal amounts of additional Notes which each such Underwriter may become obligated to purchase pursuant to the provisions of Section 8 hereof. The Underwriters hereby agree to make a payment to the Corporation in an aggregate amount equal to $1,787,500, including in respect of expenses incurred by the Corporation in connection with the offering of the Notes.

Payment of the respective purchase prices for the Notes to be purchased by the Underwriters and the payment referred to above shall be made to the Corporation by wire transfer of immediately available funds, payable to the order of the Corporation against delivery of the Notes, in fully registered forms, to you or upon your order at 10:00 a.m., New York City time, on January 5, 2024 or such other time and date as shall be mutually agreed upon in writing by the Corporation and the Representatives (the "**Closing Date**"). The 2027 Notes and the 2029 Notes shall each be delivered in the form of one or more global certificates in aggregate denominations equal to the aggregate principal amount of the respective 2027 Notes and 2029 Notes upon original issuance and registered in the name of Cede & Co., as nominee for The Depository Trust Company ("**DTC**"). All other documents referred to herein that are to be delivered at the Closing Date shall be delivered at that time at the offices of Sidley Austin LLP, 787 Seventh Avenue, New York, New York 10019.

4. *Offering by the Underwriters.* It is understood that the several Underwriters propose to offer the Notes for sale to the public as set forth in the Pricing Disclosure Package and the Prospectus.

5. *Covenants of the Corporation.* The Corporation covenants and agrees with the several Underwriters that:

(a) The Corporation will cause the Preliminary Prospectus and the Prospectus to be filed pursuant to, and in compliance with, Rule 424(b) of the 1933 Act Regulations, and advise the Underwriters promptly of the filing of any amendment or supplement to the Registration Statement, the Preliminary Prospectus or the Prospectus and of the institution by the Commission of any stop order proceedings in respect of the Registration Statement, and will use its best efforts to prevent the issuance of any such stop order and to obtain as soon as possible its lifting, if issued.

(b) If at any time when a prospectus relating to the Notes (or the notice referred to in Rule 173(a) of the 1933 Act Regulations) is required to be delivered under the 1933 Act any event occurs as a result of which the Pricing Disclosure Package or the Prospectus as then amended or supplemented would include an untrue statement of a material fact, or omit to state any material fact necessary to make the statements therein, in the light of the circumstances under which they were made, not misleading, or if it is necessary at any time to amend the Pricing Disclosure Package or the Prospectus to comply with the 1933 Act, the Corporation promptly will prepare and file with the Commission an amendment, a supplement or an appropriate document pursuant to Section 13 or 14 of the 1934 Act which will correct such statement or omission or which will effect such compliance.

(c) The Corporation, during the period when a prospectus relating to the Notes is required to be delivered under the 1933 Act, will timely file all documents required to be filed with the Commission pursuant to Section 13 or 14 of the 1934 Act.

(d) Without the prior consent of the Underwriters, the Corporation has not made and will not make any offer relating to the Notes that would constitute a "free writing prospectus" as defined in Rule 405 of the 1933 Act Regulations, other than the Permitted Free Writing Prospectus; each Underwriter, severally and not jointly, represents and agrees that, without the prior consent of the Corporation, it has not made and will not make any offer relating to the Notes that would constitute a "free writing prospectus" as defined in Rule 405 of the 1933 Act Regulations, other than the Permitted Free Writing Prospectus or a free writing prospectus that is not required to be filed by the Corporation pursuant to Rule 433 of the 1933 Act Regulations ("**Rule 433**"); any such free writing prospectus (which shall include the pricing term sheet referred to in Section 5(e) below), the use of which has been consented to by the Corporation and the Underwriters, is specified on Item 3 of Schedule B and herein is called the "**Permitted Free Writing Prospectus**." The Corporation represents that it has treated or agrees that it will treat the Permitted Free Writing Prospectus as an "issuer free writing prospectus," as defined in Rule 433, and has complied and will comply with the requirements of Rule 433 applicable to the Permitted Free Writing Prospectus, including timely filing with the Commission where required, legending and record keeping.

(e) The Corporation agrees to prepare a pricing term sheet specifying the terms of the Notes not contained in the Preliminary Prospectus, substantially in the form of Schedule C hereto and approved by the Representatives on behalf of the Underwriters, and to file such pricing term sheet as an "issuer free writing prospectus" pursuant to Rule 433 prior to the close of business two business days after the date hereof.

(f) The Corporation agrees that if at any time following the issuance of the Permitted Free Writing Prospectus any event occurs as a result of which such Permitted Free Writing Prospectus would conflict with the information (not superseded or modified as of the Effective Date) in the Registration Statement, the Pricing Disclosure Package or the Prospectus or would include an untrue statement of a material fact or omit to state any material fact necessary in order to make the statements therein, in the light of the circumstances then prevailing, not misleading, the Corporation will give prompt notice thereof to the Underwriters and, if requested by the Underwriters, will prepare and furnish without charge to each Underwriter a free writing prospectus or other document, the use of which has been consented to by the Underwriters, which will correct such conflict, statement or omission.

(g) The Corporation will timely file such reports pursuant to the 1934 Act as are necessary in order to make generally available to its security holders as soon as practicable an earnings statement for the purposes of, and to provide the Underwriters the benefits contemplated by, the last paragraph of Section 11(a) of the 1933 Act.

(h) The Corporation will furnish to you, without charge, copies of the Registration Statement (four of which will include all exhibits other than those incorporated by reference), the Pricing Disclosure Package and the Prospectus, and all amendments and supplements to such documents, in each case as soon as available and in such quantities as you may reasonably request.

(i) The Corporation will arrange or cooperate in arrangements, if necessary, for the qualification of the Notes for sale under the laws of such jurisdictions as you designate and will continue such qualifications in effect so long as required for the distribution; provided, however, that the Corporation shall not be required to qualify as a foreign corporation or to file any general consents to service of process under the laws of any state where it is not now so subject.

(j) The Corporation will pay all expenses incident to the performance of its obligations under this Agreement including (i) the printing and filing of the Registration Statement and the printing of this Agreement and any Blue Sky Survey, (ii) the preparation and printing of certificates for the Notes, (iii) the issuance and delivery of the Notes as specified herein, (iv) the fees and disbursements of counsel for the Underwriters in connection with the qualification of the Notes under the securities laws of any jurisdiction in accordance with the provisions of Section 5(i) and in connection with the preparation of the Blue Sky Survey, such fees not to exceed $7,500, (v) the printing and delivery to the Underwriters, in quantities as hereinabove referred to, of copies of the Registration Statement and any amendments thereto, of the Preliminary Prospectus, of the Prospectus, of the Permitted Free Writing Prospectus and any amendments or supplements thereto, (vi) any fees charged by independent rating agencies for rating the Notes, (vii) any fees and expenses in connection with the listing of the Notes on the New York Stock Exchange LLC, (viii) any filing fee required by the Financial Industry Regulatory Authority, Inc., (ix) the costs of any depository arrangements for the Notes with DTC or any successor depositary and (x) the costs and expenses of the Corporation relating to investor presentations on any "road show" undertaken in connection with the marketing of the offering of the Notes, including, without limitation, expenses associated with the production of road show slides and graphics, fees and expenses of any consultants engaged in connection with the road show presentations with the prior approval of the Corporation, travel and lodging expenses of the Underwriters and officers of the Corporation and any such consultants, and the cost of any aircraft chartered in connection with the road show; provided, however, the Underwriters shall reimburse a portion of the costs and expenses referred to in this clause (x).

6. *Conditions of the Obligations of the Underwriters.* The obligations of the several Underwriters to purchase and pay for the Notes will be subject to the accuracy of the representations and warranties on the part of the Corporation herein, to the accuracy of the statements of officers of the Corporation made pursuant to the provisions hereof, to the performance by the Corporation of its obligations hereunder and to the following additional conditions precedent:

(a) The Prospectus shall have been filed by the Corporation with the Commission pursuant to Rule 424(b) within the applicable time period prescribed for filing by the 1933 Act Regulations and in accordance herewith and the Permitted Free Writing Prospectus shall have been filed by the Corporation with the Commission within the applicable time periods prescribed for such filings by, and otherwise in compliance with, Rule 433.

(b) At or after the Applicable Time and prior to the Closing Date, no stop order suspending the effectiveness of the Registration Statement shall have been issued and no proceedings for that purpose or pursuant to Section 8A of the 1933 Act shall have been instituted or, to the knowledge of the Corporation or you, shall be threatened by the Commission.

(c) At or after the Applicable Time and prior to the Closing Date, the rating assigned by Moody's Investors Service, Inc. or S&P Global Ratings (or any of their successors) to any debt securities or preferred stock of the Corporation as of the date of this Agreement shall not have been lowered.

(d) Since the respective most recent dates as of which information is given in the Pricing Disclosure Package and the Prospectus and up to the Closing Date, there shall not have been any material adverse change in the condition of the Corporation, financial or otherwise, except as reflected in or contemplated by the Pricing Disclosure Package and the Prospectus, and, since such dates and up to the Closing Date, there shall not have been any material transaction entered into by the Corporation other than transactions contemplated by the Pricing Disclosure Package and the Prospectus and transactions in the ordinary course of business, the effect of which in your reasonable judgment is so material and adverse as to make it impracticable or inadvisable to proceed with the public offering or the delivery of the Notes on the terms and in the manner contemplated by the Pricing Disclosure Package and the Prospectus.

(e) You shall have received an opinion of Robert T. Lucas III, Esq., Deputy General Counsel of Duke Energy Business Services LLC, the service company subsidiary of the Corporation (who in such capacity provides legal services to the Corporation), or other appropriate counsel reasonably satisfactory to the Representatives (which may include the Corporation's other "in-house" counsel), dated the Closing Date, to the effect that:

(i) Each of Duke Energy Ohio, Inc., Progress Energy, Inc. and Piedmont Natural Gas Company, Inc., has been duly incorporated and is validly existing in good standing under the laws of the jurisdiction of its incorporation and has the respective corporate power and authority and foreign qualifications necessary to own its properties and to conduct its business as described in the Pricing Disclosure Package and the Prospectus. Each of Duke Energy Carolinas, LLC, Duke Energy Florida, LLC, Duke Energy Indiana, LLC and Duke Energy Progress, LLC has been duly organized and is validly existing and in good standing as a limited liability company under the laws of the State of North Carolina, the State of Florida, the State of Indiana and the State of North Carolina, respectively, and has full limited liability company power and authority necessary to own its properties and to conduct its business as described in the Pricing Disclosure Package and the Prospectus.

(ii) Each of the Corporation and the Principal Subsidiaries is duly qualified to do business in each jurisdiction in which the ownership or leasing of its property or the conduct of its business requires such qualification, except where the failure to so qualify, considering all such cases in the aggregate, does not have a material adverse effect on the business, properties, financial condition or results of operations of the Corporation and its subsidiaries taken as a whole.

(iii) The Registration Statement became effective upon filing with the Commission pursuant to Rule 462 of the 1933 Act Regulations, and, to the best of such counsel's knowledge, no stop order suspending the effectiveness of the Registration Statement has been issued and no proceedings for that purpose have been instituted or are pending or threatened under the 1933 Act.

(iv) The descriptions in the Registration Statement, the Pricing Disclosure Package and the Prospectus of any legal or governmental proceedings are accurate and fairly present the information required to be shown, and such counsel does not know of any litigation or any legal or governmental proceeding instituted or threatened against the Corporation or any of its Principal Subsidiaries or any of their respective properties that would be required to be disclosed in the Registration Statement, the Pricing Disclosure Package or the Prospectus and is not so disclosed.

(v) This Agreement has been duly authorized, executed and delivered by the Corporation.

(vi) The execution, delivery and performance by the Corporation of this Agreement and the Indenture and the issue and sale of the Notes will not violate or contravene any of the provisions of the Certificate of Incorporation or By-Laws of the Corporation or any statute or any order, rule or regulation of which such counsel is aware of any court or governmental agency or body having jurisdiction over the Corporation or any of its Principal Subsidiaries or any of their respective property, nor will such action conflict with or result in a breach or violation of any of the terms or provisions of, or constitute a default under any indenture, mortgage, deed of trust, loan agreement or other agreement or instrument known to such counsel to which the Corporation or any of its Principal Subsidiaries is a party or by which any of them or their respective property is bound or to which any of its property or assets is subject, which affects in a material way the Corporation's ability to perform its obligations under this Agreement, the Indenture and the Notes.

(vii) The Indenture has been duly authorized, executed and delivered by the Corporation and, assuming the due authorization, execution and delivery thereof by the Trustee, constitutes a valid and legally binding instrument of the Corporation, enforceable against the Corporation in accordance with its terms.

(viii) The Notes have been duly authorized, executed and issued by the Corporation and, when authenticated by the Trustee, in the manner provided in the Indenture and delivered against payment therefor, will constitute valid and legally binding obligations of the Corporation enforceable against the Corporation in accordance with their terms, and are entitled to the benefits afforded by the Indenture in accordance with the terms of the Indenture and the Notes.

(ix) No consent, approval, authorization, order, registration or qualification is required to authorize, or for the Corporation to consummate the transactions contemplated by this Agreement, except for such consents, approvals, authorizations, registrations or qualifications as may be required under state securities or Blue Sky laws in connection with the purchase and distribution of the Notes by the Underwriters and except as required in Condition No. 7.6 of the order of the North Carolina Utilities Commission dated September 29, 2016, in Docket Nos. E-7, Sub 1100, E-2, Sub 1095, and G-9, Sub 682, which condition has been complied with.

Such counsel may state that such counsel's opinions in paragraphs (vii) and (viii) above are subject to the effects of bankruptcy, insolvency, fraudulent conveyance, reorganization, moratorium and other similar laws relating to or affecting creditors' rights generally, and by general principles of equity (whether enforceability is considered in a proceeding in equity or at law) and an implied covenant of good faith and fair dealing. Such counsel shall state that nothing has come to such counsel's attention that has caused such counsel to believe that each document incorporated by reference in the Registration Statement, the Pricing Disclosure Package and the Prospectus, when filed, was not, on its face, appropriately responsive, in all material respects, to the requirements of the 1934 Act and the 1934 Act Regulations. Such counsel shall also state that nothing has come to such counsel's attention that has caused such counsel to believe that (i) the Registration Statement, as of the effective date with respect to the Underwriters pursuant to Rule 430B(f)(2) of the 1933 Act Regulations, contained any untrue statement of a material fact or omitted to state a material fact required to be stated therein or necessary to make the statements therein not misleading, (ii) the Pricing Disclosure Package at the Applicable Time contained any untrue statement of a material fact or omitted to state any material fact necessary in order to make the statements therein, in the light of the circumstances under which they were made, not misleading or (iii) that the Prospectus, as of its date or at the Closing Date, contained or contains any untrue statement of a material fact or omitted or omits to state any material fact necessary in order to make the statements therein, in the light of the circumstances under which they were made, not misleading. Such counsel may also state that, except as otherwise expressly provided in such opinion, such counsel does not assume any responsibility for the accuracy, completeness or fairness of the statements contained in or incorporated by reference into the Registration Statement, the Pricing Disclosure Package or the Prospectus and does not express any opinion or belief as to (i) the financial statements or other financial and accounting data contained or incorporated by reference therein or excluded therefrom, including with respect to compliance with XBRL interactive data requirements, (ii) the statement of the eligibility and qualification of the Trustee included in the Registration Statement (the "**Form T-1**") or (iii) the information in the Pricing Disclosure Package and the Prospectus under the caption "Book-Entry System."

In rendering the foregoing opinion, such counsel may state that such counsel does not express any opinion concerning any law other than the law of the State of North Carolina or, to the extent set forth in the foregoing opinions, the federal securities laws and may rely as to all matters of the laws of the States of South Carolina, Ohio, Indiana and Florida on appropriate counsel reasonably satisfactory to the Representatives, which may include the Corporation's other "in-house" counsel). Such counsel may also state that such counsel has relied as to certain factual matters on information obtained from public officials, officers of the Corporation and other sources believed by such counsel to be reliable.

(f) You shall have received an opinion of Hunton Andrews Kurth LLP, counsel to the Corporation, dated the Closing Date, to the effect that:

(i) The Corporation has been duly incorporated and is a validly existing corporation in good standing under the laws of the State of Delaware.

(ii) The Corporation has the corporate power and corporate authority to execute and deliver this Agreement and the Supplemental Indenture and to consummate the transactions contemplated hereby.

(iii) This Agreement has been duly authorized, executed and delivered by the Corporation.

(iv) The Indenture has been duly authorized, executed and delivered by the Corporation and, assuming the due authorization, execution and delivery thereof by the Trustee, is a valid and binding agreement of the Corporation, enforceable against the Corporation in accordance with its terms.

(v) The Notes have been duly authorized and executed by the Corporation, and, when duly authenticated by the Trustee and issued and delivered by the Corporation against payment therefor in accordance with the terms of this Agreement and the Indenture, the Notes will constitute valid and binding obligations of the Corporation, entitled to the benefits of the Indenture and enforceable against the Corporation in accordance with their terms.

(vi) The statements set forth (i) under the caption "Description of Debt Securities" (other than under the caption "Global Securities") that are included in the Base Prospectus and (ii) under the caption "Description of the Notes" in the Pricing Disclosure Package and the Prospectus, insofar as such statements purport to summarize certain provisions of the Indenture and the Notes, fairly summarize such provisions in all material respects.

(vii) The statements set forth under the caption "Certain U.S. Federal Income Tax Considerations for Non-U.S. Holders," in the Pricing Disclosure Package and the Prospectus, insofar as such statements purport to constitute summaries of matters of United States federal income tax law, constitute accurate and complete summaries, in all material respects, subject to the qualifications set forth therein.

(viii) No Governmental Approval, which has not been obtained or taken and is not in full force and effect, is required to authorize, or is required for, the execution or delivery of this Agreement and the Indenture by the Corporation or the consummation by the Corporation of the transactions contemplated hereby, except for such consents, approvals, authorizations, orders, registrations or qualifications as may be required under state securities or Blue Sky laws in connection with the purchase and distribution of the Notes by the Underwriters. "**Governmental Approval**" means any consent, approval, license, authorization or validation of, or filing, qualification or registration with, any Governmental Authority required to be made or obtained by the Corporation pursuant to Applicable Laws, other than any consent, approval, license, authorization, validation, filing, qualification or registration that may have become applicable as a result of the involvement of any party (other than the Corporation) in the transactions contemplated by this Agreement or because of such parties' legal or regulatory status or because of any other facts specifically pertaining to such parties and "**Governmental Authority**" means any court, regulatory body, administrative agency or governmental body of the State of North Carolina, the State of New York or the State of Delaware or the United States of America having jurisdiction over the Corporation under Applicable Law but excluding the North Carolina Utilities Commission, the New York State Public Service Commission and the Delaware Public Service Commission.

(ix) The Corporation is not and, solely after giving effect to the offering and sale of the Notes and the application of the proceeds thereof as described in the Prospectus, will not be subject to registration and regulation as an "investment company" as such term is defined in the Investment Company Act of 1940, as amended.

(x) The execution and delivery by the Corporation of this Agreement and the Indenture and the consummation by the Corporation of the transactions contemplated hereby, including the issuance and sale of the Notes, will not (i) conflict with the Certificate of Incorporation or the By-Laws, (ii) constitute a violation of, or a breach of or default under, the terms of any of the contracts set forth on Schedule D hereto or (iii) violate or conflict with, or result in any contravention of, any Applicable Law of the State of New York or the General Corporation Law of the State of Delaware. Such counsel shall state that it does not express any opinion, however, as to whether the execution, delivery or performance by the Corporation of this Agreement or the Indenture will constitute a violation of, or a default under, any covenant, restriction or provision with respect to financial ratios or tests or any aspect of the financial condition or results or operations of the Corporation or any of its subsidiaries. "**Applicable Law**" means the General Corporation Law of the State of Delaware and those laws, rules and regulations of the States of New York and North Carolina and those federal laws, rules and regulations of the United States of America, in each case that, in such counsel's experience, are normally applicable to transactions of the type contemplated by this Agreement (other than the United States federal securities laws, state securities or Blue Sky laws, antifraud laws and the rules and regulations of the Financial Industry Regulatory Authority, Inc., the North Carolina Public Utilities Act, the rules and regulations of the North Carolina Utilities Commission and the New York State Public Service Commission and the New York State Public Service Law), but without such counsel having made any special investigation as to the applicability of any specific law, rule or regulation.

(xi) The statements set forth in the Pricing Disclosure Package and the Prospectus under the caption "Underwriting (Conflicts of Interest)," insofar as such statements purport to summarize certain provisions of this Agreement, fairly summarize such provisions in all material respects.

You shall also have received a statement of Hunton Andrews Kurth LLP, dated the Closing Date, to the effect that:

(i) no facts have come to such counsel's attention that have caused such counsel to believe that the documents filed by the Corporation under the 1934 Act and the 1934 Act Regulations that are incorporated by reference in the Preliminary Prospectus Supplement that forms a part of the Pricing Disclosure Package and the Prospectus, when filed, were not, on their face, appropriately responsive in all material respects to the requirements of the 1934 Act and the 1934 Act Regulations (except that in each case such counsel need not express any view with respect to the financial statements, schedules and other financial and accounting information included or incorporated by reference therein or excluded therefrom including, with respect to compliance with XBRL interactive data requirements), (ii) no facts have come to such counsel's attention that have caused such counsel to believe that each of the Registration Statement, at the Applicable Time, and the Prospectus, as of its date, appeared on its face, not to be appropriately responsive in all material respects to the requirements of the 1933 Act and the 1933 Act Regulations (except that in each case such counsel need not express any view with respect to the financial statements, schedules and other financial and accounting information included or incorporated by reference therein or excluded therefrom, including with respect to compliance with XBRL interactive data requirements, or that part of the Registration Statement that constitutes the statement of eligibility on the Form T-1) and (iii) no facts have come to such counsel's attention that have caused such counsel to believe that the Registration Statement, at the Applicable Time, contained an untrue statement of a material fact or omitted to state a material fact required to be stated therein or necessary to make the statements therein not misleading, or that the Prospectus, as of its date and as of the Closing Date, contained or contains an untrue statement of a material fact or omitted or omits to state a material fact necessary in order to make the statements therein, in the light of the circumstances under which they were made, not misleading (except that in each case such counsel need not express any view with respect to the financial statements, schedules and other financial and accounting information included or incorporated by reference therein or excluded therefrom, or with respect to compliance with XBRL interactive data requirements, or that part of the Registration Statement that constitutes the statement of eligibility on the Form T-1). Such counsel shall further state that, in addition, no facts have come to such counsel's attention that have caused such counsel to believe that the Pricing Disclosure Package, as of the Applicable Time, contained an untrue statement of a material fact or omitted to state a material fact necessary in order to make the statements therein, in the light of the circumstances under which they were made, not misleading (except that such counsel need not express any view with respect to the financial statements, schedules and other financial and accounting information included or incorporated by reference therein or excluded therefrom, including with respect to compliance with XBRL interactive data requirements).

In addition, such statement shall confirm that the Prospectus has been filed with the Commission within the time period required by Rule 424 of the 1933 Act Regulations and any required filing of the Permitted Free Writing Prospectus pursuant to Rule 433 of the 1933 Act Regulations has been filed with the Commission within the time period required by Rule 433(d) of the 1933 Act Regulations. Such statement shall further state that assuming the accuracy of the representations and warranties of the Corporation set forth in Section 2(d) of this Agreement, the Registration Statement became effective upon filing with the Commission pursuant to Rule 462 of the 1933 Act Regulations and, pursuant to Section 309 of the Trust Indenture Act of 1939, as amended (the "**1939 Act**"), the Indenture has been qualified under the 1939 Act, and that based solely on such counsel's review of the Commission's website, no stop order suspending the effectiveness of the Registration Statement has been issued and, to such counsel's knowledge, no proceedings for that purpose have been instituted or are pending or threatened by the Commission.

Hunton Andrews Kurth LLP may state that its opinions in paragraphs (v) and (vi) are subject to the effects of bankruptcy, insolvency, reorganization, moratorium or similar laws affecting creditors' rights generally and by general principles of equity (regardless of whether enforceability is considered in a proceeding in equity or at law). In addition, such counsel may state that it has relied as to certain factual matters on information obtained from public officials, officers and representatives of the Corporation and that the signatures on all documents examined by them are genuine, assumptions which such counsel have not independently verified.

(g) You shall have received a letter from Sidley Austin LLP, counsel for the Underwriters, dated the Closing Date, with respect to such opinions and statements as you may reasonably request, and the Corporation shall have furnished to such counsel such documents as it requests for the purpose of enabling it to pass upon such matters.

(h) At or after the Applicable Time, there shall not have occurred any of the following: (i) a suspension or material limitation in trading in securities generally or of the securities of the Corporation, on the New York Stock Exchange LLC; or (ii) a general moratorium on commercial banking activities in New York declared by either Federal or New York State authorities or a material disruption in commercial banking services or securities settlement or clearance services in the United States; or (iii) the outbreak or escalation of hostilities involving the United States or the declaration by the United States of a national emergency or war, if the effect of any such event specified in this subsection (h) in your reasonable judgment makes it impracticable or inadvisable to proceed with the public offering or the delivery of the Notes on the terms and in the manner contemplated in the Pricing Disclosure Package and the Prospectus. In such event there shall be no liability on the part of any party to any other party except as otherwise provided in Section 7 hereof and except for the expenses to be borne by the Corporation as provided in Section 5(j) hereof.

(i) You shall have received a certificate of the Chairman of the Board, the President, any Vice President, the Secretary or an Assistant Secretary and any financial or accounting officer of the Corporation, dated the Closing Date, in which such officers, to the best of their knowledge after reasonable investigation, shall state that the representations and warranties of the Corporation in this Agreement are true and correct as of the Closing Date, that the Corporation has complied with all agreements and satisfied all conditions on its part to be performed or satisfied at or prior to the Closing Date, that the conditions specified in Section 6(c) and Section 6(d) have been satisfied, and that no stop order suspending the effectiveness of the Registration Statement has been issued and no proceedings for that purpose have been instituted or are threatened by the Commission.

(j) At the time of the execution of this Agreement, you shall have received a letter dated such date, in form and substance satisfactory to you, from Deloitte & Touche LLP, the Corporation's independent registered public accounting firm, containing statements and information of the type ordinarily included in accountants' "comfort letters" to underwriters with respect to the financial statements and certain financial information contained or incorporated by reference into the Registration Statement, the Pricing Disclosure Package and the Prospectus, including specific references to inquiries regarding any increase in long-term debt (excluding current maturities), decrease in net current assets (defined as current assets less current liabilities) or shareholders' equity, change in the Corporation's common stock, and decrease in operating revenues or net income for the period subsequent to the latest financial statements incorporated by reference in the Registration Statement when compared with the corresponding period from the preceding year, as of a specified date not more than three business days prior to the date of this Agreement.

(k) At the Closing Date, you shall have received from Deloitte & Touche LLP, a letter dated as of the Closing Date, to the effect that it reaffirms the statements made in the letter furnished pursuant to subsection (j) of this Section 6, except that the specified date referred to shall be not more than three business days prior to the Closing Date.

The Corporation will furnish you with such conformed copies of such opinions, certificates, letters and documents as you reasonably request.

7. *Indemnification.* (a) The Corporation agrees to indemnify and hold harmless each Underwriter, their respective officers and directors, and each person, if any, who controls any Underwriter within the meaning of Section 15 of the 1933 Act, as follows:

(i) against any and all loss, liability, claim, damage and expense whatsoever arising out of any untrue statement or alleged untrue statement of a material fact contained in the Registration Statement (or any amendment thereto) including the Rule 430B Information, or the omission or alleged omission therefrom of a material fact required to be stated therein or necessary to make the statements therein not misleading or arising out of any untrue statement or alleged untrue statement of a material fact contained in the Preliminary Prospectus, the Pricing Disclosure Package, the Prospectus (or any amendment or supplement thereto), the Permitted Free Writing Prospectus or any issuer free writing prospectus as defined in Rule 433 of the 1933 Act Regulations, or the omission or alleged omission therefrom of a material fact necessary in order to make the statements therein, in the light of the circumstances under which they were made, not misleading, unless such statement or omission or such alleged statement or omission was made in reliance upon and in conformity with written information furnished to the Corporation by the Representatives on behalf of the Underwriters expressly for use in the Registration Statement (or any amendment thereto), the Preliminary Prospectus, the Pricing Disclosure Package, the Prospectus (or any amendment or supplement thereto) or the Permitted Free Writing Prospectus;

(ii) against any and all loss, liability, claim, damage and expense whatsoever to the extent of the aggregate amount paid in settlement of any litigation, commenced or threatened, or of any claim whatsoever based upon any such untrue statement or omission or any such alleged untrue statement or omission, if such settlement is effected with the written consent of the Corporation; and

(iii) against any and all expense whatsoever reasonably incurred in investigating, preparing or defending against any litigation, commenced or threatened, or any claim whatsoever based upon any such untrue statement or omission, or any such alleged untrue statement or omission, to the extent that any such expense is not paid under (i) or (ii) of this Section 7(a).

In no case shall the Corporation be liable under this indemnity agreement with respect to any claim made against any Underwriter or any such controlling person unless the Corporation shall be notified in writing of the nature of the claim within a reasonable time after the assertion thereof, but failure so to notify the Corporation shall not relieve it from any liability which it may have otherwise than under Sections 7(a) and 7(d). The Corporation shall be entitled to participate at its own expense in the defense, or, if it so elects, within a reasonable time after receipt of such notice, to assume the defense of any suit, but if it so elects to assume the defense, such defense shall be conducted by counsel chosen by it and approved by the Underwriter or Underwriters or controlling person or persons, or defendant or defendants in any suit so brought, which approval shall not be unreasonably withheld. In any such suit, any Underwriter or any such controlling person shall have the right to employ its own counsel, but the fees and expenses of such counsel shall be at the expense of such Underwriter or such controlling person unless (i) the Corporation and such Underwriter shall have mutually agreed to the employment of such counsel, or (ii) the named parties to any such action (including any impleaded parties) include both such Underwriter or such controlling person and the Corporation and such Underwriter or such controlling person shall have been advised by such counsel that a conflict of interest between the Corporation and such Underwriter or such controlling person may arise and for this reason it is not desirable for the same counsel to represent both the indemnifying party and also the indemnified party (it being understood, however, that the Corporation shall not, in connection with any one such action or separate but substantially similar or related actions in the same jurisdiction arising out of the same general allegations or circumstances, be liable for the reasonable fees and expenses of more than one separate firm of attorneys for all such Underwriters and all such controlling persons, which firm shall be designated in writing by you). The Corporation agrees to notify you within a reasonable time of the assertion of any claim against it, any of its officers or directors or any person who controls the Corporation within the meaning of Section 15 of the 1933 Act, in connection with the sale of the Notes.

(b) Each Underwriter severally and not jointly agrees that it will indemnify and hold harmless the Corporation, its directors and each of the officers of the Corporation who signed the Registration Statement and each person, if any, who controls the Corporation within the meaning of Section 15 of the 1933 Act to the same extent as the indemnity contained in subsection (a) of this Section 7, but only with respect to statements or omissions made in the Registration Statement (or any amendment thereto), the Preliminary Prospectus, the Pricing Disclosure Package, the Prospectus (or any amendment or supplement thereto) or the Permitted Free Writing Prospectus, in reliance upon and in conformity with written information furnished to the Corporation by the Representatives on behalf of the Underwriters expressly for use in the Registration Statement (or any amendment thereto), the Preliminary Prospectus, the Pricing Disclosure Package, the Prospectus (or any amendment or supplement thereto) or the Permitted Free Writing Prospectus. In case any action shall be brought against the Corporation or any person so indemnified based on the Registration Statement (or any amendment thereto), the Preliminary Prospectus, the Pricing Disclosure Package, the Prospectus (or any amendment or supplement thereto) or the Permitted Free Writing Prospectus and in respect of which indemnity may be sought against any Underwriter, such Underwriter shall have the rights and duties given to the Corporation, and the Corporation and each person so indemnified shall have the rights and duties given to the Underwriters, by the provisions of subsection (a) of this Section 7.

(c) No indemnifying party shall, without the prior written consent of the indemnified party, effect any settlement of any pending or threatened proceeding in respect of which any indemnified party is or could have been a party and indemnity could have been sought hereunder by such indemnified party, unless such settlement includes an unconditional release of such indemnified party from all liability on claims that are the subject matter of such proceeding and does not include a statement as to or an admission of fault, culpability or a failure to act, by or on behalf of any indemnified party.

(d) If the indemnification provided for in this Section 7 is unavailable to or insufficient to hold harmless an indemnified party in respect of any and all loss, liability, claim, damage and expense whatsoever (or actions in respect thereof) that would otherwise have been indemnified under the terms of such indemnity, then each indemnifying party shall contribute to the amount paid or payable by such indemnified party as a result of such loss, liability, claim, damage or expense (or actions in respect thereof) in such proportion as is appropriate to reflect the relative benefits received by the Corporation on the one hand and the Underwriters on the other from the offering of the Notes. If, however, the allocation provided by the immediately preceding sentence is not permitted by applicable law or if the indemnified party failed to give the notice required above, then each indemnifying party shall contribute to such amount paid or payable by such indemnified party in such proportion as is appropriate to reflect not only such relative benefits but also the relative fault of the Corporation on the one hand and the Underwriters on the other in connection with the statements or omissions which resulted in such loss, liability, claim, damage or expense (or actions in respect thereof), as well as any other relevant equitable considerations. The relative benefits received by the Corporation on the one hand and the Underwriters on the other shall be deemed to be in the same proportion as the total net proceeds from the offering (before deducting expenses) received by the Corporation bear to the total compensation received by the Underwriters in respect of the underwriting discount as set forth in the table on the cover page of the Prospectus. The relative fault shall be determined by reference to, among other things, whether the untrue or alleged untrue statement of a material fact or the omission or alleged omission to state a material fact relates to information supplied by the Corporation on the one hand or the Underwriters on the other and the parties' relative intent, knowledge, access to information and opportunity to correct or prevent such statement or omission. The Corporation and the Underwriters agree that it would not be just and equitable if contributions pursuant to this Section 7 were determined by pro rata allocation (even if the Underwriters were treated as one entity for such purpose) or by any other method of allocation which does not take account of the equitable considerations referred to above in this Section 7. The amount paid or payable by an indemnified party as a result of the losses, liabilities, claims, damages or expenses (or actions in respect thereof) referred to above in this Section 7 shall be deemed to include any legal or other expenses reasonably incurred by such indemnified party in connection with investigating or defending any such action or claim. Notwithstanding the provisions of this Section, no Underwriter shall be required to contribute any amount in excess of the amount by which the total price at which the Notes underwritten by it and distributed to the public were offered to the public exceeds the amount of any damages which such Underwriter has otherwise been required to pay by reason of such untrue or alleged untrue statement or omission or alleged omission. No person guilty of fraudulent misrepresentation (within the meaning of Section 11(f) of the 1933 Act) shall be entitled to contribution from any person who was not guilty of such fraudulent misrepresentation. The Underwriters' obligations to contribute are several in proportion to their respective underwriting obligations and not joint.

8. *Default by One or More of the Underwriters.* (a) If any Underwriter shall default in its obligation to purchase the principal amount of the 2027 Notes or the 2029 Notes, as applicable, which it has agreed to purchase hereunder on the Closing Date, you may in your discretion arrange for you or another party or other parties to purchase any or all of the 2027 Notes and/or 2029 Notes, as applicable, on the terms contained herein. If within twenty-four hours after such default by any Underwriter you do not arrange for the purchase of such Notes, then the Corporation shall be entitled to a further period of twenty-four hours within which to procure another party or other parties satisfactory to you to purchase such Notes on such terms. In the event that, within the respective prescribed periods, you notify the Corporation that you have so arranged for the purchase of such Notes, or the Corporation notifies you that it has so arranged for the purchase of such Notes, you or the Corporation shall have the right to postpone such Closing Date for a period of not more than seven days, in order to effect whatever changes may thereby be made necessary in the Registration Statement, the Pricing Disclosure Package or the Prospectus, or in any other documents or arrangements, and the Corporation agrees to file promptly any amendments to the Registration Statement, the Pricing Disclosure Package or the Prospectus which may be required. The term "Underwriter" as used in this Agreement shall include any person substituted under this Section 8 with like effect as if such person had originally been a party to this Agreement with respect to such Notes.

(b) If, after giving effect to any arrangements for the purchase of the Notes of a defaulting Underwriter or Underwriters by you or the Corporation as provided in subsection (a) above, the aggregate amount of such Notes which remains unpurchased does not exceed one-tenth of the aggregate amount of all the Notes to be purchased at such Closing Date, then the Corporation shall have the right to require each non-defaulting Underwriter to purchase the amounts of Notes which such Underwriter agreed to purchase hereunder at such Closing Date and, in addition, to require each non-defaulting Underwriter to purchase its pro rata share (based on the amounts of Notes which such Underwriter agreed to purchase hereunder) of the Notes of such defaulting Underwriter or Underwriters for which such arrangements have not been made; but nothing herein shall relieve a defaulting Underwriter from liability for its default.

(c) If, after giving effect to any arrangements for the purchase of the Notes of a defaulting Underwriter or Underwriters by you or the Corporation as provided in subsection (a) above, the aggregate amount of such Notes which remains unpurchased exceeds one-tenth of the aggregate amount of all the Notes to be purchased at such Closing Date, or if the Corporation shall not exercise the right described in subsection (b) above to require non-defaulting Underwriters to purchase the Notes of a defaulting Underwriter or Underwriters, then this Agreement shall thereupon terminate, without liability on the part of any non-defaulting Underwriter or the Corporation, except for the expenses to be borne by the Corporation as provided in Section 5(j) hereof and the indemnity and contribution agreement in Section 7 hereof; but nothing herein shall relieve a defaulting Underwriter from liability for its default.

9. *Representations and Indemnities to Survive Delivery.* The respective indemnities, agreements, representations, warranties and other statements of the Corporation or its officers and of the several Underwriters set forth in or made pursuant to this Agreement will remain in full force and effect, regardless of any investigation, or statement as to the results thereof, made by or on behalf of any Underwriter or the Corporation, or any of their respective officers or directors or any controlling person referred to in Section 7 hereof, and will survive delivery of and payment for the Notes.

10. *Reliance on Your Acts.* In all dealings hereunder, the Representatives shall act on behalf of each of the Underwriters, and the Corporation shall be entitled to act and rely upon any statement, request, notice or agreement on behalf of any Underwriter made or given by the Representatives.

11. *No Fiduciary Relationship*. The Corporation acknowledges and agrees that (i) the purchase and sale of the Notes pursuant to this Agreement is an arm's-length commercial transaction between the Corporation on the one hand, and the Underwriters on the other hand, (ii) in connection with the offering contemplated hereby and the process leading to such transaction, each Underwriter is and has been acting solely as a principal and is not the agent or fiduciary of the Corporation or its shareholders, creditors, employees, or any other party, (iii) no Underwriter has assumed or will assume an advisory or fiduciary responsibility in favor of the Corporation with respect to the offering contemplated hereby or the process leading thereto (irrespective of whether such Underwriter has advised or is currently advising the Corporation on other matters) and no Underwriter has any obligation to the Corporation with respect to the offering contemplated hereby except the obligations expressly set forth in this Agreement, (iv) the Underwriters and their respective affiliates may be engaged in a broad range of transactions that involve interests that differ from those of the Corporation, and (v) the Underwriters have not provided any legal, accounting, regulatory or tax advice with respect to the transaction contemplated hereby and the Corporation has consulted its own legal, accounting, regulatory and tax advisors to the extent it deemed appropriate.

12. *Recognition of the U.S. Special Resolution Regimes*.

(i) In the event that any Underwriter that is a Covered Entity (as defined below) becomes subject to a proceeding under a U.S. Special Resolution Regime (as defined below), the transfer from such Underwriter of this Agreement, and any interest and obligation in or under this Agreement, will be effective to the same extent as the transfer would be effective under the U.S. Special Resolution Regime if this Agreement, and any such interest and obligation, were governed by the laws of the United States or a state of the United States.

(ii) In the event that any Underwriter that is a Covered Entity or a BHC Act Affiliate (as defined below) of such Underwriter becomes subject to a proceeding under a U.S. Special Resolution Regime, Default Rights (as defined below) under this Agreement that may be exercised against such Underwriter are permitted to be exercised to no greater extent than such Default Rights could be exercised under the U.S. Special Resolution Regime if this Agreement were governed by the laws of the United States or a state of the United States.

As used in this Section 12:

"BHC Act Affiliate" has the meaning assigned to the term "affiliate" in, and shall be interpreted in accordance with, 12 U.S.C. § 1841(k).

"Covered Entity" means any of the following:

(i) a "covered entity" as that term is defined in, and interpreted in accordance with, 12 C.F.R. § 252.82(b);

(ii) a "covered bank" as that term is defined in, and interpreted in accordance with, 12 C.F.R. § 47.3(b); or

(iii) a "covered FSI" as that term is defined in, and interpreted in accordance with, 12 C.F.R. § 382.2(b).

"Default Right" has the meaning assigned to that term in, and shall be interpreted in accordance with, 12 C.F.R. §§ 252.81, 47.2 or 382.1, as applicable.

"U.S. Special Resolution Regime" means each of (i) the Federal Deposit Insurance Act and the regulations promulgated thereunder and (ii) Title II of the Dodd-Frank Wall Street Reform and Consumer Protection Act and the regulations promulgated thereunder.

13. *Notices.* All communications hereunder will be in writing and, if sent to the Underwriters, will be mailed or telecopied and confirmed to Citigroup Global Markets Inc., 388 Greenwich Street, New York, New York 10013, Attention: General Counsel, Facsimile: (646) 291-1469; Morgan Stanley & Co. LLC, 1585 Broadway, New York, New York 10036, Facsimile: (212) 507-8999; TD Securities (USA) LLC, 1 Vanderbilt Avenue, 11th Floor, New York, New York 10017, Email: USTransactionAdvisory@tdsecurities.com, Attention: Transaction Advisory; U.S. Bancorp Investments, Inc., 214 N. Tyron Street, 26th Floor, Charlotte, North Carolina 28202, Attention: Investment Grade Syndicate; Wells Fargo Securities, LLC, 550 South Tryon Street, 5th Floor, Charlotte, North Carolina 28202, Attn: Transaction Management, Email: tmgcapitalmarkets@wellsfargo.com, Facsimile: (212) 214-5918; or, if sent to the Corporation, will be mailed or telecopied and confirmed to it at 525 S. Tryon Street, Charlotte, NC 28202, (Telephone: (704) 382-5826), attention of Assistant Treasurer. Any such communications shall take effect upon receipt thereof.

14. *Business Day.* As used herein, the term "**business day**" shall mean any day when the Commission's office in Washington, D.C. is open for business.

15. *Successors.* This Agreement shall inure to the benefit of and be binding upon the Underwriters and the Corporation and their respective successors. Nothing expressed or mentioned in this Agreement is intended or shall be construed to give any person, firm or corporation, other than the parties hereto and their respective successors and the controlling persons, officers and directors referred to in Section 7 and their respective successors, heirs and legal representatives, any legal or equitable right, remedy or claim under or in respect of this Agreement or any provision herein contained; this Agreement and all conditions and provisions hereof being intended to be and being for the sole and exclusive benefit of the parties hereto and their respective successors and said controlling persons, officers and directors and their respective successors, heirs and legal representatives, and for the benefit of no other person, firm or corporation. No purchaser of Notes from any Underwriter shall be deemed to be a successor or assign by reason merely of such purchase.

16. *Counterparts; Electronic Signatures.* This Agreement may be executed in two or more counterparts, each of which when so executed shall be deemed to be an original and all of which when taken together shall constitute one and the same instrument. The words "execution," "signed," "signature," and words of like import in this Agreement or in any other certificate, agreement or document related to this Agreement, the Indenture or the Notes shall include images of manually executed signatures transmitted by facsimile or other electronic format (including, without limitation, "pdf", "tif" or "jpg") and other electronic signatures (including, without limitation, DocuSign and AdobeSign). The use of electronic signatures and electronic records (including, without limitation, any contract or other record created, generated, sent, communicated, received, or stored by electronic means) shall be of the same legal effect, validity and enforceability as a manually executed signature or use of a paper-based record-keeping system to the fullest extent permitted by applicable law, including the Federal Electronic Signatures in Global and National Commerce Act, the New York State Electronic Signatures and Records Act and any other applicable law, including, without limitation, any state law based on the Uniform Electronic Transactions Act or the Uniform Commercial Code.

17. *Applicable Law.* This Agreement shall be governed by, and construed in accordance with, the laws of the State of New York.

If the foregoing is in accordance with your understanding, kindly sign and return to us two counterparts hereof, and upon confirmation and acceptance by the Underwriters, this Agreement and such confirmation and acceptance will become a binding agreement between the Corporation, on the one hand, and each of the Underwriters, on the other hand, in accordance with its terms.

Very truly yours,

DUKE ENERGY CORPORATION

By: /s/Chris R. Bauer
Name: Chris R. Bauer
Title: Assistant Treasurer

[*Remainder of page left blank intentionally*]

[*Signature Page to Underwriting Agreement*]

The foregoing Agreement is hereby
confirmed and accepted as of the date first above written.

Citigroup Global Markets Inc.
Morgan Stanley & Co. LLC
TD Securities (USA) LLC
U.S. Bancorp Investments, Inc.
Wells Fargo Securities, LLC

On behalf of each of the Underwriters

Citigroup Global Markets Inc.

By: /s/Adam D. Bordner
Name: Adam D. Bordner
Title: Managing Director

Morgan Stanley & Co. LLC

By: /s/James Curley
Name: James Curley
Title: Vice President

TD Securities (USA) LLC

By: /s/Luiz Lanfredi
Name: Luiz Lanfredi
Title: Director

U.S. Bancorp Investments, Inc.

By: /s/Brent Kreissl
Name: Brent Kreissl
Title: Managing Director

Wells Fargo Securities, LLC

By: /s/Carolyn Hurley
Name: Carolyn Hurley
Title: Managing Director

[*Signature Page to Underwriting Agreement*]

SCHEDULE A

Underwriter	Principal Amount of 2027 Notes	Principal Amount of 2029 Notes
Citigroup Global Markets Inc.	$ 96,250,000	$ 96,250,000
Morgan Stanley & Co. LLC	96,250,000	96,250,000
TD Securities (USA) LLC	96,250,000	96,250,000
U.S. Bancorp Investments, Inc.	96,250,000	96,250,000
Wells Fargo Securities, LLC	96,250,000	96,250,000
KeyBanc Capital Markets Inc.	19,250,000	19,250,000
Regions Securities LLC	19,250,000	19,250,000
Siebert Williams Shank & Co., LLC	19,250,000	19,250,000
Cabrera Capital Markets LLC	5,500,000	5,500,000
Samuel A. Ramirez & Company, Inc.	5,500,000	5,500,000
Total	$ 550,000,000	$ 550,000,000

SCHEDULE B

PRICING DISCLOSURE PACKAGE

1) Base Prospectus
2) Preliminary Prospectus Supplement dated January 2, 2024
3) Permitted Free Writing Prospectus
   a) Pricing Term Sheet attached as Schedule C hereto

SCHEDULE C

Filed pursuant to Rule 433
January 2, 2024
Relating to
Preliminary Prospectus Supplement dated January 2, 2024
to
Prospectus dated September 23, 2022
Registration Statement No. 333-267583

Duke Energy Corporation
$550,000,000 4.850% Senior Notes due 2027
$550,000,000 4.850% Senior Notes due 2029

Pricing Term Sheet

Issuer:	Duke Energy Corporation (the "**Issuer**")
Trade Date:	January 2, 2024
Settlement Date:	January 5, 2024 (T+3)
Security Description:	4.850% Senior Notes due 2027 (the "**2027 Notes**") 4.850% Senior Notes due 2029 (the "**2029 Notes**" and, together with the 2027 Notes, the "**Notes**")
Principal Amount:	2027 Notes: $550,000,000 2029 Notes: $550,000,000
Interest Payment Dates:	Payable semi-annually in arrears on January 5 and July 5 of each year, beginning on July 5, 2024.
Maturity Date:	2027 Notes: January 5, 2027 2029 Notes: January 5, 2029
Benchmark Treasury:	2027 Notes: 4.375% due December 15, 2026 2029 Notes: 3.750% due December 31, 2028
Benchmark Treasury Yield:	2027 Notes: 4.104% 2029 Notes: 3.927%
Spread to Benchmark Treasury:	2027 Notes: +75 bps 2029 Notes: +95 bps
Yield to Maturity:	2027 Notes: 4.854% 2029 Notes: 4.877%
Coupon:	2027 Notes: 4.850% 2029 Notes: 4.850%

Price to the Public:	2027 Notes: 99.989% per 2027 Note (plus accrued interest, if any, from January 5, 2024) 2029 Notes: 99.881% per 2029 Note (plus accrued interest, if any, from January 5, 2024)
Redemption Provisions:	2027 Notes: The Issuer may redeem the 2027 Notes at its option, in whole or in part, at any time and from time to time, at a redemption price (expressed as a percentage of principal amount and rounded to three decimal places) equal to the greater of: • (a) the sum of the present values of the remaining scheduled payments of principal and interest thereon discounted to the redemption date on a semi-annual basis (assuming a 360-day year consisting of twelve 30-day months) at the Treasury Rate applicable to the 2027 Notes plus 15 basis points less (b) interest accrued to the redemption date; and • 100% of the principal amount of the 2027 Notes to be redeemed, plus, in either case, accrued and unpaid interest thereon to, but excluding, the redemption date. 2029 Notes: Prior to December 5, 2028 (the date that is one month prior to the maturity date of the 2029 Notes (the "**2029 Par Call Date**")), the Issuer may redeem the 2029 Notes at its option, in whole or in part, at any time and from time to time, at a redemption price (expressed as a percentage of principal amount and rounded to three decimal places) equal to the greater of: • (a) the sum of the present values of the remaining scheduled payments of principal and interest thereon discounted to the redemption date (assuming the 2029 Notes matured on the 2029 Par Call Date) on a semi-annual basis (assuming a 360-day year consisting of twelve 30-day months) at the Treasury Rate applicable to the 2029 Notes plus 15 basis points less (b) interest accrued to the redemption date; and • 100% of the principal amount of the 2029 Notes to be redeemed, plus, in either case, accrued and unpaid interest thereon to, but excluding, the redemption date. On or after the 2029 Par Call Date, the Issuer may redeem the 2029 Notes at its option, in whole or in part, at any time and from time to time, at a redemption price equal to 100% of the principal amount of the 2029 Notes to be redeemed plus accrued and unpaid interest thereon to, but excluding, the redemption date.

Denominations:	$2,000 or any integral multiple of $1,000 in excess thereof
CUSIP / ISIN:	2027 Notes: 26441C CB9 / US26441CCB90 2029 Notes: 26441C CC7 / US26441CCC73
Joint Book-Running Managers:	Citigroup Global Markets Inc. Morgan Stanley & Co. LLC TD Securities (USA) LLC U.S. Bancorp Investments, Inc. Wells Fargo Securities, LLC
Co-Managers:	KeyBanc Capital Markets Inc. Regions Securities LLC Siebert Williams Shank & Co., LLC Cabrera Capital Markets LLC Samuel A. Ramirez & Company, Inc.

The Issuer has filed a registration statement (including a prospectus) with the SEC for the offering to which this communication relates. Before you invest, you should read the prospectus in that registration statement and other documents the Issuer has filed with the SEC for more complete information about the Issuer and this offering. You may get these documents for free by visiting EDGAR on the SEC Web site at www.sec.gov. Alternatively, the Issuer, any underwriter or any dealer participating in the offering will arrange to send you the prospectus if you request it by calling Citigroup Global Markets Inc. toll-free at 1 (800) 831-9146; Morgan Stanley & Co. LLC toll-free at 1 (866) 718-1649; TD Securities (USA) LLC toll-free at 1 (855) 495-9846; U.S. Bancorp Investments, Inc. toll-free at 1 (877) 558-2607 and Wells Fargo Securities, LLC toll-free at 1 (800) 645-3751.

ANY DISCLAIMER OR OTHER NOTICE THAT MAY APPEAR BELOW IS NOT APPLICABLE TO THIS COMMUNICATION AND SHOULD BE DISREGARDED. SUCH DISCLAIMER OR NOTICE WAS AUTOMATICALLY GENERATED AS A RESULT OF THIS COMMUNICATION BEING SENT BY BLOOMBERG OR ANOTHER EMAIL SYSTEM.

SCHEDULE D

Amended and Restated Credit Agreement, dated as of March 18, 2022, among Duke Energy Corporation, Duke Energy Carolinas, LLC, Duke Energy Ohio, Inc., Duke Energy Indiana, LLC, Duke Energy Kentucky, Inc., Duke Energy Progress, LLC, Duke Energy Florida, LLC, and Piedmont Natural Gas Company, Inc., the Lenders party thereto, Wells Fargo Bank, National Association, as Administrative Agent and Swingline Lender and Wells Fargo Securities, LLC, as Joint Lead Arranger, Joint Bookrunner and Sustainability Structuring Agent.

Amendment No. 1, dated as of March 17, 2023, to Amended and Restated Credit Agreement, dated as of March 18, 2022.

Term Loan Credit Agreement, dated as of March 9, 2022, among the Duke Energy Corporation, as Borrower, certain Lenders from time to time parties thereto, and The Bank of Nova Scotia as Administrative Agent and Coordinating Lead Arranger.

Lender Waiver Letter, dated as of March 29, 2023, to Amended and Restated Term Loan Credit Agreement, dated as of March 18, 2022.

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

FORM 8-K
CURRENT REPORT
Pursuant to Section 13 or 15(d) of the
Securities Exchange Act of 1934

Date of Report (Date of earliest event reported): **January 12, 2024**

DUKE ENERGY CORPORATION
(Exact Name of Registrant as Specified in its Charter)

Delaware	**001-32853**	**20-2777218**
(State or Other Jurisdiction of Incorporation)	(Commission File Number)	(IRS Employer Identification No.)

525 South Tryon Street, Charlotte, North Carolina 28202-1803
(Address of Principal Executive Offices, including Zip Code)

(704) 382-3853
(Registrant's telephone number, including area code)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

☐ Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)

☐ Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)

☐ Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))

☐ Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Securities registered pursuant to Section 12(b) of the Act:

Registrant	Title of each class:	Trading Symbol(s):	Name of each exchange on which registered:
Duke Energy Corporation	Common Stock, $0.001 par value	DUK	New York Stock Exchange LLC
Duke Energy Corporation	5.625% Junior Subordinated Debentures due September 15, 2078	DUKB	New York Stock Exchange LLC
Duke Energy Corporation	Depositary Shares, each representing a 1/1,000th interest in a share of 5.75% Series A Cumulative Redeemable Perpetual Preferred Stock, par value $0.001 per share	DUK PR A	New York Stock Exchange LLC
Duke Energy Corporation	3.10% Senior Notes due 2028	DUK 28A	New York Stock Exchange LLC
Duke Energy Corporation	3.85% Senior Notes due 2034	DUK34	New York Stock Exchange LLC

Indicate by check mark whether the registrant is an emerging growth company as defined in Rule 405 of the Securities Act of 1933 (§230.405 of this chapter) or Rule 12b-2 of the Securities Exchange Act of 1934 (§240.12b-2 of this chapter).

☐ Emerging growth company

☐ If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

Item 8.01. Other Events.

On January 12, 2024, Duke Energy Corporation (the “Company”) consummated the issuance and sale of the securities described below pursuant to an underwriting agreement, dated January 9, 2024 (the “Underwriting Agreement”), with Wells Fargo Securities, LLC, as underwriter (the “Underwriter”), pursuant to which the Company agreed to issue and sell to the Underwriter $50,000,000 aggregate principal amount of the Company’s 4.850% Senior Notes due 2027 (the “2027 Notes”) and $100,000,000 aggregate principal amount of the Company’s 4.850% Senior Notes due 2029 (the “2029 Notes”, and together with the 2027 Notes, the “Securities”). The terms of the 2027 Notes, other than their issue date and issue price, are identical to the terms of, and are a part of the same series as, the $550,000,000 aggregate principal amount of the Company's 4.850% Senior Notes due 2027 issued by the Company on January 5, 2024. The terms of the 2029 Notes, other than their issue date and issue price, are identical to the terms of, and are a part of the same series as, the $550,000,000 aggregate principal amount of the Company's 4.850% Senior Notes due 2029 issued by the Company on January 5, 2024. The Securities were sold to the Underwriter at discounts to their principal amounts. The Securities were issued pursuant to an Indenture, dated as of June 3, 2008 (the “Indenture”), by and between the Company and The Bank of New York Mellon Trust Company, N.A., as trustee (the “Trustee”), as amended and supplemented by various supplemental indentures thereto, including the Thirty-first Supplemental Indenture, dated as of January 5, 2024 (the “Supplemental Indenture”), between the Company and the Trustee. The disclosure in this Item 8.01 is qualified in its entirety by the provisions of the Indenture, the Supplemental Indenture, together with the forms of global notes evidencing the Securities included therein, which is filed as Exhibit 4.1 hereto, and the Underwriting Agreement, which is filed as Exhibit 99.1 hereto. Such exhibits are incorporated herein by reference. Also, in connection with the issuance and sale of the Securities, the Company is filing a legal opinion regarding the validity of the Securities as Exhibit 5.1 to this Form 8-K for the purpose of incorporating such opinion into the Company’s Registration Statement on Form S-3, No. 333-267583.

Item 9.01. Financial Statements and Exhibits.

(d)	Exhibits.
4.1	Thirty-first Supplemental Indenture, dated as of January 5, 2024, to the Indenture, dated as of June 3, 2008, between the Company and The Bank of New York Mellon Trust Company, N.A., as Trustee, and forms of global notes included therein (incorporated by reference to Exhibit 4.1 to the Company's Current Report on Form 8-K filed on January 5, 2024, File No. 001-32853)
5.1	Opinion of Robert T. Lucas III regarding validity of the Securities
23.1	Consent of Robert T. Lucas III (included as part of Exhibit 5.1)
99.1	Underwriting Agreement, dated January 9, 2024, between the Company and Wells Fargo Securities, LLC, as underwriter
104	Cover Page Interactive Data file (the Cover Page Interactive Data file is embedded within the Inline XBRL document)

SIGNATURE

Pursuant to the requirements of the Securities and Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

DUKE ENERGY CORPORATION

Date: January 12, 2024

By: /s/ Robert T. Lucas III
Name: Robert T. Lucas III
Title: Assistant Corporate Secretary

Exhibit 5.1

DUKE ENERGY BUSINESS SERVICES LLC
525 South Tryon Street
Charlotte, North Carolina 28202-1803
January 12, 2024

Duke Energy Corporation
525 South Tryon Street
Charlotte, North Carolina 28202-1803

Re: Duke Energy Corporation
$50,000,000 4.850% Senior Notes due 2027
$100,000,000 4.850% Senior Notes due 2029

To the Addressee:

I am Deputy General Counsel of Duke Energy Business Services LLC, the service company subsidiary of Duke Energy Corporation, a Delaware corporation (the "Company"), and in such capacity I have acted as counsel to the Company in connection with the public offering of $50,000,000 additional aggregate principal amount of the Company's 4.850% Senior Notes due 2027 and $100,000,000 additional aggregate principal amount of the Company's 4.850% Senior Notes due 2029 (collectively, the "Securities"). The Securities are being issued pursuant to an Indenture, dated as of June 3, 2008 (the "Original Indenture"), by and between the Company and The Bank of New York Mellon Trust Company, N.A., as trustee (the "Trustee"), as amended and supplemented by various supplemental indentures thereto, including the Thirty-first Supplemental Indenture, dated as of January 5, 2024 (the "Supplemental Indenture"), between the Company and the Trustee (the Original Indenture, as amended and supplemented, being referred to as the "Indenture"). On January 9, 2024, the Company entered into an Underwriting Agreement (the "Underwriting Agreement") with Wells Fargo Securities, LLC, as underwriter (the "Underwriter"), relating to the sale by the Company to the Underwriter of the Securities.

This opinion letter is being delivered in accordance with the requirements of Item 601(b)(5) of Regulation S-K under the Securities Act of 1933, as amended (the "Securities Act").

I am a member of the bar of the State of North Carolina and my opinions set forth herein are limited to Delaware corporate law and the laws of the State of New York and the federal laws of the United States that, in my experience, are normally applicable to transactions of the type contemplated above and, to the extent that judicial or regulatory orders or decrees or consents, approvals, licenses, authorizations, validations, filings, recordings or registrations with governmental authorities are relevant, to those required under such laws (all of the foregoing being referred to as "Opined on Law"). I do not express any opinion with respect to the law of any jurisdiction other than Opined on Law or as to the effect of any such non-opined law on the opinions herein stated. This opinion letter is limited to the laws, including the rules and regulations, as in effect on the date hereof, which laws are subject to change with possible retroactive effect.

In rendering the opinions set forth herein, I or attorneys under my supervision (with whom I have consulted) have examined and are familiar with originals or copies, certified or otherwise identified to our satisfaction, of:

(a) the registration statement on Form S-3 (File No. 333-267583) of the Company relating to the Securities and other securities of the Company filed on September 23, 2022 with the Securities and Exchange Commission (the "Commission") under the Securities Act, allowing for delayed offerings pursuant to Rule 415 under the Securities Act and the information deemed to be a part of such registration statement as of the date hereof pursuant to Rule 430B of the General Rules and Regulations under the Securities Act (the "Rules and Regulations") (such registration statement, effective upon filing with the Commission on September 23, 2022 pursuant to Rule 462(e) of the Rules and Regulations, being hereinafter referred to as the "Registration Statement");

(b) the prospectus, dated September 23, 2022 (the "Base Prospectus") relating to the offering of securities of the Company, which forms a part of and is included in the Registration Statement in the form filed with the Commission pursuant to Rule 424(b) of the Rules and Regulations;

(c) the preliminary prospectus supplement, dated January 9, 2024, and the Base Prospectus, relating to the offering of the Securities in the form filed with the Commission pursuant to Rule 424(b) of the Rules and Regulations;

(d) the prospectus supplement, dated January 9, 2024, and the Base Prospectus, relating to the offering of the Securities in the form filed with the Commission pursuant to Rule 424(b) of the Rules and Regulations;

(e) the Amended and Restated Certificate of Incorporation of the Company, effective as of May 19, 2014 and as amended on September 11, 2019, as certified by the Secretary of State of the State of Delaware;

(f) the Amended and Restated By-laws of the Company, effective as of December 14, 2023;

(g) an executed copy of the Original Indenture;

(h) an executed copy of the Supplemental Indenture;

(i) an executed copy of the Underwriting Agreement;

(j) the certificates representing the Securities of each series;

(k) the issuer free writing prospectus issued at or prior to 5:00 p.m. (Eastern time) on January 9, 2024 which the Company was advised is the time of the first contract of sale of the Securities, substantially in the form attached as Schedule C to the Underwriting Agreement and as filed with the Commission pursuant to Rule 433(d) of the Securities Act and Section 5(e) of the Underwriting Agreement;

(l) the Statement of Eligibility under the Trust Indenture Act of 1939, as amended, on Form T-1, of the Trustee;

(m) resolutions of the Board of Directors of the Company, adopted on May 5, 2022, relating to the preparation and filing with the Commission of the Registration Statement and the issuance of the Company's securities; and

(n) the written consent of the Assistant Treasurer of the Company, effective as of January 9, 2024.

I or attorneys under my supervision (with whom I have consulted) have also examined originals or copies, certified or otherwise identified to our satisfaction, of such records of the Company and such agreements, certificates and receipts of public officials, certificates of officers or other representatives of the Company and others, and such other documents as I or attorneys under my supervision (with whom I have consulted) have deemed necessary or appropriate as a basis for the opinions set forth below.

In my examination, I or attorneys under my supervision (with whom I have consulted) have assumed the legal capacity of all natural persons, the genuineness of all signatures, the authenticity of all documents submitted to me as originals, the conformity to original documents of all documents submitted to me as facsimile, electronic, certified, conformed, or photostatic copies, and the authenticity of the originals of such documents. In making my examination of executed documents or documents to be executed, I have assumed that the parties thereto, other than the Company had or will have the power, corporate or otherwise, to enter into and perform all obligations thereunder and have also assumed the due authorization by all requisite action, corporate or other, and the execution and delivery by such parties of such documents, and, as to parties other than the Company, the validity and binding effect on such parties. As to any facts material to this opinion letter that I or attorneys under my supervision (with whom I have consulted) did not independently establish or verify, we have relied upon oral or written statements and representations of officers and other representatives of the Company and others and of public officials.

The opinions set forth below are subject to the following further qualifications, assumptions and limitations:

(i) the validity or enforcement of any agreements or instruments may be limited by applicable bankruptcy, insolvency, reorganization, moratorium or other similar laws affecting creditors' rights generally and by general principles of equity (regardless of whether enforceability is considered in a proceeding in equity or at law); and

(ii) I do not express any opinion as to the applicability or effect of any fraudulent transfer, preference or similar law on any agreements or instruments or any transactions contemplated thereby.

Based upon the foregoing and subject to the limitations, qualifications, exceptions and assumptions set forth herein, I am of the opinion that the Securities have been duly authorized and executed by the Company, and that when duly authenticated by the Trustee and issued and delivered by the Company against payment therefor in accordance with the terms of the Underwriting Agreement and the Indenture, the Securities will constitute valid and binding obligations of the Company entitled to the benefits of the Indenture and enforceable against the Company in accordance with their respective terms.

I hereby consent to the filing of this opinion letter with the Commission as Exhibit 5.1 to the Registration Statement through incorporation by reference of a current report on Form 8-K. I also hereby consent to the use of my name under the heading "Legal Matters" in the prospectus which forms a part of the Registration Statement. In giving this consent, I do not thereby admit that I am within the category of persons whose consent is required under Section 7 of the Securities Act or the rules and regulations of the Commission promulgated thereunder. This opinion letter is expressed as of the date hereof unless otherwise expressly stated, and I disclaim any undertaking to advise you of any subsequent changes in the facts stated or assumed herein or of any subsequent changes in applicable laws.

Very truly yours,

/s/ Robert T. Lucas III

Robert T. Lucas III, Esq.

Exhibit 99.1

DUKE ENERGY CORPORATION

$50,000,000 4.850% SENIOR NOTES DUE 2027
$100,000,000 4.850% SENIOR NOTES DUE 2029

UNDERWRITING AGREEMENT

January 9, 2024

Wells Fargo Securities, LLC
550 South Tryon Street, 5th Floor
Charlotte, North Carolina 28202

Ladies and Gentlemen:

1. *Introductory*. DUKE ENERGY CORPORATION, a Delaware corporation (the "**Corporation**"), proposes, subject to the terms and conditions stated herein, to issue and sell (i) $50,000,000 aggregate principal amount of 4.850% Senior Notes due 2027 (the "**2027 Notes**"), which will be part of the same series of notes as the $550,000,000 aggregate principal amount of the Corporation's 4.850% Senior Notes due 2027 issued on January 5, 2024 and (ii) $100,000,000 aggregate principal amount of 4.850% Senior Notes due 2029 (the "**2029 Notes** " and, together with the 2027 Notes, the "**Notes**"), which will be part of the same series of notes as the $550,000,000 aggregate principal amount of the Corporation's 4.850% Senior Notes due 2029 issued on January 5, 2024, to be issued pursuant to the provisions of an Indenture, dated as of June 3, 2008, (the "**Original Indenture**") as supplemented from time to time by supplemental indentures, including the Thirty-first Supplemental Indenture, dated as of January 5, 2024 (the "**Supplemental Indenture**" and together with the Original Indenture, the "**Indenture**"), between the Corporation and The Bank of New York Mellon Trust Company, N.A. (the "**Trustee**"). Wells Fargo Securities, LLC is acting as the underwriter for these offerings (the "**Underwriter**"). The Corporation understands that the Underwriter proposes to offer the Notes for sale upon the terms and conditions contemplated by (i) this Agreement and (ii) the Base Prospectus, the Preliminary Prospectus and the Permitted Free Writing Prospectus (each as defined below) issued at or prior to the Applicable Time (as defined below) (the documents referred to in the foregoing subclause (ii) are referred to herein as the "**Pricing Disclosure Package**").

2. *Representations and Warranties of the Corporation.* The Corporation represents and warrants to, and agrees with, the Underwriter that:

(a) A registration statement (No. 333-267583), including a prospectus, relating to the Notes and certain other securities has been filed with the Securities and Exchange Commission (the "**Commission**") under the Securities Act of 1933, as amended (the "**1933 Act**"). Such registration statement and any post-effective amendment thereto, each in the form heretofore delivered to you, became effective upon filing with the Commission pursuant to Rule 462 of the rules and regulations of the Commission under the 1933 Act (the "**1933 Act Regulations**"), and no stop order suspending the effectiveness of such registration statement has been issued and no proceeding for that purpose or pursuant to Section 8A of the 1933 Act has been initiated or threatened by the Commission (if prepared, any preliminary prospectus supplement specifically relating to the Notes immediately prior to the Applicable Time included in such registration statement or filed with the Commission pursuant to Rule 424(b) of the 1933 Act Regulations being hereinafter called a "**Preliminary Prospectus**"); the term "**Registration Statement**" means the registration statement as deemed revised pursuant to Rule 430B(f)(1) of the 1933 Act Regulations on the date of such registration statement's effectiveness for purposes of Section 11 of the 1933 Act, as such section applies to the Corporation and the Underwriter for the Notes pursuant to Rule 430B(f)(2) of the 1933 Act Regulations (the "**Effective Date**"), including all exhibits thereto and including the documents incorporated by reference in the prospectus contained in the Registration Statement at the time such part of the Registration Statement became effective; the term "**Base Prospectus**" means the prospectus filed with the Commission on the date hereof by the Corporation; and the term "**Prospectus**" means the Base Prospectus together with the prospectus supplement specifically relating to the Notes prepared in accordance with the provisions of Rule 430B and promptly filed after execution and delivery of this Agreement pursuant to Rule 430B or Rule 424(b) of the 1933 Act Regulations; any information included in such Prospectus that was omitted from the Registration Statement at the time it became effective but that is deemed to be a part of and included in such registration statement pursuant to Rule 430B is referred to as "**Rule 430B Information**;" and any reference herein to the Registration Statement, the Preliminary Prospectus or the Prospectus shall be deemed to refer to and include the documents incorporated by reference therein, prior to the date hereof; any reference to any amendment or supplement to any Preliminary Prospectus or Prospectus shall be deemed to refer to and include any documents filed after the date of such Preliminary Prospectus or Prospectus, as the case may be, under the Securities Exchange Act of 1934, as amended (the "**1934 Act**"), and incorporated by reference in such Preliminary Prospectus or Prospectus, as the case may be; and any reference to any amendment to the Registration Statement shall be deemed to refer to and include any annual report of the Corporation filed pursuant to Section 13(a) or 15(d) of the 1934 Act after the effective date of the Registration Statement that is incorporated by reference in the Registration Statement. For purposes of this Agreement, the term "**Applicable Time**" means 5:00 p.m. (New York City time) on the date hereof.

(b) The Registration Statement, the Permitted Free Writing Prospectus specified on Schedule B hereto, the Preliminary Prospectus and the Prospectus conform, and any amendments or supplements thereto will conform, in all material respects to the requirements of the 1933 Act and the 1933 Act Regulations; and (A) the Registration Statement, as of its original effective date and at each deemed effective date with respect to the Underwriter pursuant to Rule 430B(f)(2) of the 1933 Act Regulations, and at the Closing Date (as defined in Section 3), did not and will not contain any untrue statement of a material fact or omit to state any material fact required to be stated therein or necessary to make the statements therein not misleading, and (B) (i) the Pricing Disclosure Package, as of the Applicable Time, did not, (ii) the Prospectus and any amendment or supplement thereto, as of their dates, will not, and (iii) the Prospectus as of the Closing Date will not, include any untrue statement of a material fact or omit to state any material fact necessary to make the statements therein, in the light of the circumstances under which they were made, not misleading, except that the Corporation makes no warranty or representation to the Underwriter with respect to any statements or omissions made in reliance upon and in conformity with written information furnished to the Corporation by the Underwriter specifically for use in the Registration Statement, the Permitted Free Writing Prospectus, the Preliminary Prospectus or the Prospectus.

(c) The Permitted Free Writing Prospectus specified on Schedule B hereto as of its issue date and at all subsequent times through the completion of the public offer and sale of the Notes or until any earlier date that the Corporation notified or notifies the Underwriter pursuant to Section 5(f) hereof did not, does not and will not include any information that conflicts with the information (not superseded or modified as of the Effective Date) contained in the Registration Statement, the Preliminary Prospectus or the Prospectus.

(d) At the earliest time the Corporation or another offering participant made a bona fide offer (within the meaning of Rule 164(h)(2) of the 1933 Act Regulations) of the Notes, the Corporation was not an "ineligible issuer" as defined in Rule 405 of the 1933 Act Regulations. The Corporation is, and was at the time of the initial filing of the Registration Statement, eligible to use Form S-3 under the 1933 Act.

(e) The documents and interactive data in eXtensible Business Reporting Language ("**XBRL**") incorporated or deemed to be incorporated by reference in the Registration Statement, the Pricing Disclosure Package and the Prospectus, at the time they were filed or hereafter are filed with the Commission, complied and will comply in all material respects with the requirements of the 1934 Act and the rules and regulations of the Commission thereunder (the "**1934 Act Regulations**"), and, when read together with the other information in the Prospectus, (a) at the time the Registration Statement became effective, (b) at the Applicable Time and (c) on the Closing Date did not and will not contain an untrue statement of a material fact or omit to state a material fact required to be stated therein or necessary to make the statements therein, in the light of the circumstances under which they were made, not misleading.

(f) The compliance by the Corporation with all of the provisions of this Agreement has been duly authorized by all necessary corporate action and the consummation of the transactions herein contemplated will not conflict with or result in a breach or violation of any of the terms or provisions of, or constitute a default under, any indenture, mortgage, deed of trust, loan agreement or other agreement or instrument to which the Corporation or any of its Principal Subsidiaries (as hereinafter defined) is a party or by which any of them or their respective property is bound or to which any of their properties or assets is subject that would have a material adverse effect on the business, financial condition or results of operations of the Corporation and its subsidiaries, taken as a whole, nor will such action result in any violation of the provisions of the amended and restated Certificate of Incorporation of the Corporation (the "**Certificate of Incorporation**"), the amended and restated By-Laws of the Corporation (the "**By-Laws**") or any statute or any order, rule or regulation of any court or governmental agency or body having jurisdiction over the Corporation or its Principal Subsidiaries or any of their respective properties that would have a material adverse effect on the business, financial condition or results of operations of the Corporation and its subsidiaries, taken as a whole; and no consent, approval, authorization, order, registration or qualification of or with any such court or governmental agency or body is required for the consummation by the Corporation of the transactions contemplated by this Agreement, except for the approval of the North Carolina Utilities Commission which has been received as of the date of this Agreement, the registration under the 1933 Act of the Notes, qualification under the Trust Indenture Act of 1939, as amended (the "**1939 Act**") and such consents, approvals, authorizations, registrations or qualifications as may be required under state securities or Blue Sky laws in connection with the purchase and distribution of the Notes by the Underwriter.

(g) This Agreement has been duly authorized, executed and delivered by the Corporation.

(h) Each of Duke Energy Carolinas, LLC, a North Carolina limited liability company, Duke Energy Indiana, LLC, an Indiana limited liability company, Progress Energy, Inc., a North Carolina corporation, Duke Energy Progress, LLC, a North Carolina limited liability company, and Duke Energy Florida, LLC, a Florida limited liability company, is a "significant subsidiary" of the Corporation within the meaning of Rule 1-02 of Regulation S-X under the 1933 Act (herein collectively referred to, along with Duke Energy Ohio, Inc., an Ohio corporation and Piedmont Natural Gas Company, Inc., a North Carolina corporation, as the "**Principal Subsidiaries**").

(i) The Original Indenture has been duly authorized, executed and delivered by the Corporation and duly qualified under the 1939 Act and the Supplemental Indenture has been duly authorized, executed and delivered by the Corporation and the Indenture constitutes a valid and legally binding instrument of the Corporation enforceable against the Corporation in accordance with its terms, except as the enforceability thereof may be limited by bankruptcy, insolvency, reorganization, moratorium, fraudulent transfer or similar laws affecting creditors' rights generally and by general principles of equity (regardless of whether such enforceability is considered in a proceeding in equity or at law) and an implied covenant of good faith and fair dealing.

(j) The Notes have been duly authorized and when executed by the Corporation and when authenticated by the Trustee, in the manner provided in the Indenture and delivered against payment therefor, will constitute valid and legally binding obligations of the Corporation, enforceable against the Corporation in accordance with their terms, except as the enforceability thereof may be limited by bankruptcy, insolvency, reorganization, moratorium, fraudulent transfer or similar laws affecting creditors' rights generally and by general principles of equity (regardless of whether such enforceability is considered in a proceeding in equity or at law) and an implied covenant of good faith and fair dealing, and are entitled to the benefits afforded by the Indenture in accordance with the terms of the Indenture and the Notes, except as set forth in paragraph (i) above.

(k) Any indenture, mortgage, deed of trust, loan agreement or other agreement or instrument filed or incorporated by reference as an exhibit to the Registration Statement or the Annual Report on Form 10-K of the Corporation for the fiscal year ended December 31, 2022 or any subsequent Quarterly Report on Form 10-Q of the Corporation or any Current Report on Form 8-K of the Corporation with an execution or a filing date after December 31, 2022, except to the extent that such agreement is no longer in effect or to the extent that neither the Corporation nor any subsidiary of the Corporation is currently a party to such agreement, are all indentures, mortgages, deeds of trust, loan agreements or other agreements or instruments that are material to the Corporation.

(l) The Corporation is not required to be qualified as a foreign corporation to transact business in Indiana, North Carolina, Ohio, South Carolina and Florida.

(m) Any pro forma financial statements of the Corporation and its subsidiaries and the related notes thereto incorporated by reference in the Registration Statement, the Pricing Disclosure Package and the Prospectus have been prepared in accordance with the Commission's rules and guidelines with respect to pro forma financial statements and have been properly compiled on the bases described therein.

3. *Purchase, Sale and Delivery of Notes.* On the basis of the representations, warranties and agreements herein contained, but subject to the terms and conditions herein set forth, the Corporation agrees to sell to the Underwriter, and the Underwriter agrees to purchase from the Corporation, at a purchase price of (i) 99.556% of the principal amount of the 2027 Notes plus accrued interest from the period from and including January 5, 2024 to, but excluding, the date of delivery (if the Closing Date is January 12, 2024, accrued interest on the 2027 Notes should be $47,152.78)(and in the manner set forth below) and (ii) 99.080% of the principal amount of the 2029 Notes plus accrued interest from the period from and including January 5, 2024 to, but excluding, the date of delivery (if the Closing Date is January 12, 2024, accrued interest on the 2029 Notes should be $94,305.56) (and in the manner set forth below), the principal amounts of Notes set forth opposite the name of the Underwriter in Schedule A hereto. The Underwriter hereby agrees to reimburse the Corporation for $287,500 of the expenses incurred by the Corporation in connection with the offering of the Notes.

Payment of the respective purchase prices for the Notes to be purchased by the Underwriter and the reimbursement referred to above shall be made to the Corporation by wire transfer of immediately available funds, payable to the order of the Corporation against delivery of the Notes, in fully registered forms, to you or upon your order at 10:00 a.m., New York City time, on January 12, 2024 or such other time and date as shall be mutually agreed upon in writing by the Corporation and the Underwriter (the "**Closing Date**"). The 2027 Notes and the 2029 Notes shall each be delivered in the form of one or more global certificates in aggregate denominations equal to the aggregate principal amount of the respective 2027 Notes and 2029 Notes upon original issuance and registered in the name of Cede & Co., as nominee for The Depository Trust Company ("**DTC**"). All other documents referred to herein that are to be delivered at the Closing Date shall be delivered at that time at the offices of Sidley Austin LLP, 787 Seventh Avenue, New York, New York 10019.

4. *Offering by the Underwriter.* It is understood that the Underwriter proposes to offer the Notes for sale to the public as set forth in the Pricing Disclosure Package and the Prospectus.

5. *Covenants of the Corporation.* The Corporation covenants and agrees with the Underwriter that:

(a) The Corporation will cause the Preliminary Prospectus and the Prospectus to be filed pursuant to, and in compliance with, Rule 424(b) of the 1933 Act Regulations, and advise the Underwriter promptly of the filing of any amendment or supplement to the Registration Statement, the Preliminary Prospectus or the Prospectus and of the institution by the Commission of any stop order proceedings in respect of the Registration Statement, and will use its best efforts to prevent the issuance of any such stop order and to obtain as soon as possible its lifting, if issued.

(b) If at any time when a prospectus relating to the Notes (or the notice referred to in Rule 173(a) of the 1933 Act Regulations) is required to be delivered under the 1933 Act any event occurs as a result of which the Pricing Disclosure Package or the Prospectus as then amended or supplemented would include an untrue statement of a material fact, or omit to state any material fact necessary to make the statements therein, in the light of the circumstances under which they were made, not misleading, or if it is necessary at any time to amend the Pricing Disclosure Package or the Prospectus to comply with the 1933 Act, the Corporation promptly will prepare and file with the Commission an amendment, a supplement or an appropriate document pursuant to Section 13 or 14 of the 1934 Act which will correct such statement or omission or which will effect such compliance.

(c) The Corporation, during the period when a prospectus relating to the Notes is required to be delivered under the 1933 Act, will timely file all documents required to be filed with the Commission pursuant to Section 13 or 14 of the 1934 Act.

(d) Without the prior consent of the Underwriter, the Corporation has not made and will not make any offer relating to the Notes that would constitute a "free writing prospectus" as defined in Rule 405 of the 1933 Act Regulations, other than the Permitted Free Writing Prospectus; the Underwriter represents and agrees that, without the prior consent of the Corporation, it has not made and will not make any offer relating to the Notes that would constitute a "free writing prospectus" as defined in Rule 405 of the 1933 Act Regulations, other than the Permitted Free Writing Prospectus or a free writing prospectus that is not required to be filed by the Corporation pursuant to Rule 433 of the 1933 Act Regulations ("**Rule 433**"); any such free writing prospectus (which shall include the pricing term sheet referred to in Section 5(e) below), the use of which has been consented to by the Corporation and the Underwriter, is specified on Item 3 of Schedule B and herein is called the "**Permitted Free Writing Prospectus**." The Corporation represents that it has treated or agrees that it will treat the Permitted Free Writing Prospectus as an "issuer free writing prospectus," as defined in Rule 433, and has complied and will comply with the requirements of Rule 433 applicable to the Permitted Free Writing Prospectus, including timely filing with the Commission where required, legending and record keeping.

(e) The Corporation agrees to prepare a pricing term sheet specifying the terms of the Notes not contained in the Preliminary Prospectus, substantially in the form of Schedule C hereto and approved by the Underwriter, and to file such pricing term sheet as an "issuer free writing prospectus" pursuant to Rule 433 prior to the close of business two business days after the date hereof.

(f) The Corporation agrees that if at any time following the issuance of the Permitted Free Writing Prospectus any event occurs as a result of which such Permitted Free Writing Prospectus would conflict with the information (not superseded or modified as of the Effective Date) in the Registration Statement, the Pricing Disclosure Package or the Prospectus or would include an untrue statement of a material fact or omit to state any material fact necessary in order to make the statements therein, in the light of the circumstances then prevailing, not misleading, the Corporation will give prompt notice thereof to the Underwriter and, if requested by the Underwriter, will prepare and furnish without charge to each Underwriter a free writing prospectus or other document, the use of which has been consented to by the Underwriter, which will correct such conflict, statement or omission.

(g) The Corporation will timely file such reports pursuant to the 1934 Act as are necessary in order to make generally available to its security holders as soon as practicable an earnings statement for the purposes of, and to provide the Underwriter the benefits contemplated by, the last paragraph of Section 11(a) of the 1933 Act.

(h) The Corporation will furnish to you, without charge, copies of the Registration Statement (four of which will include all exhibits other than those incorporated by reference), the Pricing Disclosure Package and the Prospectus, and all amendments and supplements to such documents, in each case as soon as available and in such quantities as you may reasonably request.

(i) The Corporation will arrange or cooperate in arrangements, if necessary, for the qualification of the Notes for sale under the laws of such jurisdictions as you designate and will continue such qualifications in effect so long as required for the distribution; provided, however, that the Corporation shall not be required to qualify as a foreign corporation or to file any general consents to service of process under the laws of any state where it is not now so subject.

(j) The Corporation will pay all expenses incident to the performance of its obligations under this Agreement including (i) the printing and filing of the Registration Statement and the printing of this Agreement and any Blue Sky Survey, (ii) the preparation and printing of certificates for the Notes, (iii) the issuance and delivery of the Notes as specified herein, (iv) the fees and disbursements of counsel for the Underwriter in connection with the qualification of the Notes under the securities laws of any jurisdiction in accordance with the provisions of Section 5(i) and in connection with the preparation of the Blue Sky Survey, such fees not to exceed $7,500, (v) the printing and delivery to the Underwriter, in quantities as hereinabove referred to, of copies of the Registration Statement and any amendments thereto, of the Preliminary Prospectus, of the Prospectus, of the Permitted Free Writing Prospectus and any amendments or supplements thereto, (vi) any fees charged by independent rating agencies for rating the Notes, (vii) any fees and expenses in connection with the listing of the Notes on the New York Stock Exchange LLC, (viii) any filing fee required by the Financial Industry Regulatory Authority, Inc., (ix) the costs of any depository arrangements for the Notes with DTC or any successor depositary and (x) the costs and expenses of the Corporation relating to investor presentations on any "road show" undertaken in connection with the marketing of the offering of the Notes, including, without limitation, expenses associated with the production of road show slides and graphics, fees and expenses of any consultants engaged in connection with the road show presentations with the prior approval of the Corporation, travel and lodging expenses of the Underwriter and officers of the Corporation and any such consultants, and the cost of any aircraft chartered in connection with the road show; provided, however, the Underwriter shall reimburse a portion of the costs and expenses referred to in this clause (x).

6. *Conditions of the Obligations of the Underwriter.* The obligations of the Underwriter to purchase and pay for the Notes will be subject to the accuracy of the representations and warranties on the part of the Corporation herein, to the accuracy of the statements of officers of the Corporation made pursuant to the provisions hereof, to the performance by the Corporation of its obligations hereunder and to the following additional conditions precedent:

(a) The Prospectus shall have been filed by the Corporation with the Commission pursuant to Rule 424(b) within the applicable time period prescribed for filing by the 1933 Act Regulations and in accordance herewith and the Permitted Free Writing Prospectus shall have been filed by the Corporation with the Commission within the applicable time periods prescribed for such filings by, and otherwise in compliance with, Rule 433.

(b) At or after the Applicable Time and prior to the Closing Date, no stop order suspending the effectiveness of the Registration Statement shall have been issued and no proceedings for that purpose or pursuant to Section 8A of the 1933 Act shall have been instituted or, to the knowledge of the Corporation or you, shall be threatened by the Commission.

(c) At or after the Applicable Time and prior to the Closing Date, the rating assigned by Moody's Investors Service, Inc. or S&P Global Ratings (or any of their successors) to any debt securities or preferred stock of the Corporation as of the date of this Agreement shall not have been lowered.

(d) Since the respective most recent dates as of which information is given in the Pricing Disclosure Package and the Prospectus and up to the Closing Date, there shall not have been any material adverse change in the condition of the Corporation, financial or otherwise, except as reflected in or contemplated by the Pricing Disclosure Package and the Prospectus, and, since such dates and up to the Closing Date, there shall not have been any material transaction entered into by the Corporation other than transactions contemplated by the Pricing Disclosure Package and the Prospectus and transactions in the ordinary course of business, the effect of which in your reasonable judgment is so material and adverse as to make it impracticable or inadvisable to proceed with the public offering or the delivery of the Notes on the terms and in the manner contemplated by the Pricing Disclosure Package and the Prospectus.

(e) You shall have received an opinion of Robert T. Lucas III, Esq., Deputy General Counsel of Duke Energy Business Services LLC, the service company subsidiary of the Corporation (who in such capacity provides legal services to the Corporation), or other appropriate counsel reasonably satisfactory to the Underwriter (which may include the Corporation's other "in-house" counsel), dated the Closing Date, to the effect that:

(i) Each of Duke Energy Ohio, Inc., Progress Energy, Inc. and Piedmont Natural Gas Company, Inc., has been duly incorporated and is validly existing in good standing under the laws of the jurisdiction of its incorporation and has the respective corporate power and authority and foreign qualifications necessary to own its properties and to conduct its business as described in the Pricing Disclosure Package and the Prospectus. Each of Duke Energy Carolinas, LLC, Duke Energy Florida, LLC, Duke Energy Indiana, LLC and Duke Energy Progress, LLC has been duly organized and is validly existing and in good standing as a limited liability company under the laws of the State of North Carolina, the State of Florida, the State of Indiana and the State of North Carolina, respectively, and has full limited liability company power and authority necessary to own its properties and to conduct its business as described in the Pricing Disclosure Package and the Prospectus.

(ii) Each of the Corporation and the Principal Subsidiaries is duly qualified to do business in each jurisdiction in which the ownership or leasing of its property or the conduct of its business requires such qualification, except where the failure to so qualify, considering all such cases in the aggregate, does not have a material adverse effect on the business, properties, financial condition or results of operations of the Corporation and its subsidiaries taken as a whole.

(iii) The Registration Statement became effective upon filing with the Commission pursuant to Rule 462 of the 1933 Act Regulations, and, to the best of such counsel's knowledge, no stop order suspending the effectiveness of the Registration Statement has been issued and no proceedings for that purpose have been instituted or are pending or threatened under the 1933 Act.

(iv) The descriptions in the Registration Statement, the Pricing Disclosure Package and the Prospectus of any legal or governmental proceedings are accurate and fairly present the information required to be shown, and such counsel does not know of any litigation or any legal or governmental proceeding instituted or threatened against the Corporation or any of its Principal Subsidiaries or any of their respective properties that would be required to be disclosed in the Registration Statement, the Pricing Disclosure Package or the Prospectus and is not so disclosed.

(v) This Agreement has been duly authorized, executed and delivered by the Corporation.

(vi) The execution, delivery and performance by the Corporation of this Agreement and the Indenture and the issue and sale of the Notes will not violate or contravene any of the provisions of the Certificate of Incorporation or By-Laws of the Corporation or any statute or any order, rule or regulation of which such counsel is aware of any court or governmental agency or body having jurisdiction over the Corporation or any of its Principal Subsidiaries or any of their respective property, nor will such action conflict with or result in a breach or violation of any of the terms or provisions of, or constitute a default under any indenture, mortgage, deed of trust, loan agreement or other agreement or instrument known to such counsel to which the Corporation or any of its Principal Subsidiaries is a party or by which any of them or their respective property is bound or to which any of its property or assets is subject, which affects in a material way the Corporation's ability to perform its obligations under this Agreement, the Indenture and the Notes.

(vii) The Indenture has been duly authorized, executed and delivered by the Corporation and, assuming the due authorization, execution and delivery thereof by the Trustee, constitutes a valid and legally binding instrument of the Corporation, enforceable against the Corporation in accordance with its terms.

(viii) The Notes have been duly authorized, executed and issued by the Corporation and, when authenticated by the Trustee, in the manner provided in the Indenture and delivered against payment therefor, will constitute valid and legally binding obligations of the Corporation enforceable against the Corporation in accordance with their terms, and are entitled to the benefits afforded by the Indenture in accordance with the terms of the Indenture and the Notes.

(ix) No consent, approval, authorization, order, registration or qualification is required to authorize, or for the Corporation to consummate the transactions contemplated by this Agreement, except for such consents, approvals, authorizations, registrations or qualifications as may be required under state securities or Blue Sky laws in connection with the purchase and distribution of the Notes by the Underwriter and except as required in Condition No. 7.6 of the order of the North Carolina Utilities Commission dated September 29, 2016, in Docket Nos. E-7, Sub 1100, E-2, Sub 1095, and G-9, Sub 682, which condition has been complied with.

Such counsel may state that such counsel's opinions in paragraphs (vii) and (viii) above are subject to the effects of bankruptcy, insolvency, fraudulent conveyance, reorganization, moratorium and other similar laws relating to or affecting creditors' rights generally, and by general principles of equity (whether enforceability is considered in a proceeding in equity or at law) and an implied covenant of good faith and fair dealing. Such counsel shall state that nothing has come to such counsel's attention that has caused such counsel to believe that each document incorporated by reference in the Registration Statement, the Pricing Disclosure Package and the Prospectus, when filed, was not, on its face, appropriately responsive, in all material respects, to the requirements of the 1934 Act and the 1934 Act Regulations. Such counsel shall also state that nothing has come to such counsel's attention that has caused such counsel to believe that (i) the Registration Statement, as of the effective date with respect to the Underwriter pursuant to Rule 430B(f)(2) of the 1933 Act Regulations, contained any untrue statement of a material fact or omitted to state a material fact required to be stated therein or necessary to make the statements therein not misleading, (ii) the Pricing Disclosure Package at the Applicable Time contained any untrue statement of a material fact or omitted to state any material fact necessary in order to make the statements therein, in the light of the circumstances under which they were made, not misleading or (iii) that the Prospectus, as of its date or at the Closing Date, contained or contains any untrue statement of a material fact or omitted or omits to state any material fact necessary in order to make the statements therein, in the light of the circumstances under which they were made, not misleading. Such counsel may also state that, except as otherwise expressly provided in such opinion, such counsel does not assume any responsibility for the accuracy, completeness or fairness of the statements contained in or incorporated by reference into the Registration Statement, the Pricing Disclosure Package or the Prospectus and does not express any opinion or belief as to (i) the financial statements or other financial and accounting data contained or incorporated by reference therein or excluded therefrom, including with respect to compliance with XBRL interactive data requirements, (ii) the statement of the eligibility and qualification of the Trustee included in the Registration Statement (the "**Form T-1**") or (iii) the information in the Pricing Disclosure Package and the Prospectus under the caption "Book-Entry System."

In rendering the foregoing opinion, such counsel may state that such counsel does not express any opinion concerning any law other than the law of the State of North Carolina or, to the extent set forth in the foregoing opinions, the federal securities laws and may rely as to all matters of the laws of the States of South Carolina, Ohio, Indiana and Florida on appropriate counsel reasonably satisfactory to the Underwriter, which may include the Corporation's other "in-house" counsel). Such counsel may also state that such counsel has relied as to certain factual matters on information obtained from public officials, officers of the Corporation and other sources believed by such counsel to be reliable.

(f) You shall have received an opinion of Hunton Andrews Kurth LLP, counsel to the Corporation, dated the Closing Date, to the effect that:

(i) The Corporation has been duly incorporated and is a validly existing corporation in good standing under the laws of the State of Delaware.

(ii) The Corporation has the corporate power and corporate authority to execute and deliver this Agreement and the Supplemental Indenture and to consummate the transactions contemplated hereby.

(iii) This Agreement has been duly authorized, executed and delivered by the Corporation.

(iv) The Indenture has been duly authorized, executed and delivered by the Corporation and, assuming the due authorization, execution and delivery thereof by the Trustee, is a valid and binding agreement of the Corporation, enforceable against the Corporation in accordance with its terms.

(v) The Notes have been duly authorized and executed by the Corporation, and, when duly authenticated by the Trustee and issued and delivered by the Corporation against payment therefor in accordance with the terms of this Agreement and the Indenture, the Notes will constitute valid and binding obligations of the Corporation, entitled to the benefits of the Indenture and enforceable against the Corporation in accordance with their terms.

(vi) The statements set forth (i) under the caption "Description of Debt Securities" (other than under the caption "Global Securities") that are included in the Base Prospectus and (ii) under the caption "Description of the Notes" in the Pricing Disclosure Package and the Prospectus, insofar as such statements purport to summarize certain provisions of the Indenture and the Notes, fairly summarize such provisions in all material respects.

(vii) The statements set forth under the caption "Certain U.S. Federal Income Tax Considerations for Non-U.S. Holders," in the Pricing Disclosure Package and the Prospectus, insofar as such statements purport to constitute summaries of matters of United States federal income tax law, constitute accurate and complete summaries, in all material respects, subject to the qualifications set forth therein.

(viii) No Governmental Approval, which has not been obtained or taken and is not in full force and effect, is required to authorize, or is required for, the execution or delivery of this Agreement and the Indenture by the Corporation or the consummation by the Corporation of the transactions contemplated hereby, except for such consents, approvals, authorizations, orders, registrations or qualifications as may be required under state securities or Blue Sky laws in connection with the purchase and distribution of the Notes by the Underwriter. "**Governmental Approval**" means any consent, approval, license, authorization or validation of, or filing, qualification or registration with, any Governmental Authority required to be made or obtained by the Corporation pursuant to Applicable Laws, other than any consent, approval, license, authorization, validation, filing, qualification or registration that may have become applicable as a result of the involvement of any party (other than the Corporation) in the transactions contemplated by this Agreement or because of such parties' legal or regulatory status or because of any other facts specifically pertaining to such parties and "**Governmental Authority**" means any court, regulatory body, administrative agency or governmental body of the State of North Carolina, the State of New York or the State of Delaware or the United States of America having jurisdiction over the Corporation under Applicable Law but excluding the North Carolina Utilities Commission, the New York State Public Service Commission and the Delaware Public Service Commission.

(ix) The Corporation is not and, solely after giving effect to the offering and sale of the Notes and the application of the proceeds thereof as described in the Prospectus, will not be subject to registration and regulation as an "investment company" as such term is defined in the Investment Company Act of 1940, as amended.

(x) The execution and delivery by the Corporation of this Agreement and the Indenture and the consummation by the Corporation of the transactions contemplated hereby, including the issuance and sale of the Notes, will not (i) conflict with the Certificate of Incorporation or the By-Laws, (ii) constitute a violation of, or a breach of or default under, the terms of any of the contracts set forth on Schedule D hereto or (iii) violate or conflict with, or result in any contravention of, any Applicable Law of the State of New York or the General Corporation Law of the State of Delaware. Such counsel shall state that it does not express any opinion, however, as to whether the execution, delivery or performance by the Corporation of this Agreement or the Indenture will constitute a violation of, or a default under, any covenant, restriction or provision with respect to financial ratios or tests or any aspect of the financial condition or results or operations of the Corporation or any of its subsidiaries. "**Applicable Law**" means the General Corporation Law of the State of Delaware and those laws, rules and regulations of the States of New York and North Carolina and those federal laws, rules and regulations of the United States of America, in each case that, in such counsel's experience, are normally applicable to transactions of the type contemplated by this Agreement (other than the United States federal securities laws, state securities or Blue Sky laws, antifraud laws and the rules and regulations of the Financial Industry Regulatory Authority, Inc., the North Carolina Public Utilities Act, the rules and regulations of the North Carolina Utilities Commission and the New York State Public Service Commission and the New York State Public Service Law), but without such counsel having made any special investigation as to the applicability of any specific law, rule or regulation.

(xi) The statements set forth in the Pricing Disclosure Package and the Prospectus under the caption "Underwriting (Conflicts of Interest)," insofar as such statements purport to summarize certain provisions of this Agreement, fairly summarize such provisions in all material respects.

You shall also have received a statement of Hunton Andrews Kurth LLP, dated the Closing Date, to the effect that:

(i) no facts have come to such counsel's attention that have caused such counsel to believe that the documents filed by the Corporation under the 1934 Act and the 1934 Act Regulations that are incorporated by reference in the Preliminary Prospectus Supplement that forms a part of the Pricing Disclosure Package and the Prospectus, when filed, were not, on their face, appropriately responsive in all material respects to the requirements of the 1934 Act and the 1934 Act Regulations (except that in each case such counsel need not express any view with respect to the financial statements, schedules and other financial and accounting information included or incorporated by reference therein or excluded therefrom including, with respect to compliance with XBRL interactive data requirements), (ii) no facts have come to such counsel's attention that have caused such counsel to believe that each of the Registration Statement, at the Applicable Time, and the Prospectus, as of its date, appeared on its face, not to be appropriately responsive in all material respects to the requirements of the 1933 Act and the 1933 Act Regulations (except that in each case such counsel need not express any view with respect to the financial statements, schedules and other financial and accounting information included or incorporated by reference therein or excluded therefrom, including with respect to compliance with XBRL interactive data requirements, or that part of the Registration Statement that constitutes the statement of eligibility on the Form T-1) and (iii) no facts have come to such counsel's attention that have caused such counsel to believe that the Registration Statement, at the Applicable Time, contained an untrue statement of a material fact or omitted to state a material fact required to be stated therein or necessary to make the statements therein not misleading, or that the Prospectus, as of its date and as of the Closing Date, contained or contains an untrue statement of a material fact or omitted or omits to state a material fact necessary in order to make the statements therein, in the light of the circumstances under which they were made, not misleading (except that in each case such counsel need not express any view with respect to the financial statements, schedules and other financial and accounting information included or incorporated by reference therein or excluded therefrom, or with respect to compliance with XBRL interactive data requirements, or that part of the Registration Statement that constitutes the statement of eligibility on the Form T-1). Such counsel shall further state that, in addition, no facts have come to such counsel's attention that have caused such counsel to believe that the Pricing Disclosure Package, as of the Applicable Time, contained an untrue statement of a material fact or omitted to state a material fact necessary in order to make the statements therein, in the light of the circumstances under which they were made, not misleading (except that such counsel need not express any view with respect to the financial statements, schedules and other financial and accounting information included or incorporated by reference therein or excluded therefrom, including with respect to compliance with XBRL interactive data requirements).

In addition, such statement shall confirm that the Prospectus has been filed with the Commission within the time period required by Rule 424 of the 1933 Act Regulations and any required filing of the Permitted Free Writing Prospectus pursuant to Rule 433 of the 1933 Act Regulations has been filed with the Commission within the time period required by Rule 433(d) of the 1933 Act Regulations. Such statement shall further state that assuming the accuracy of the representations and warranties of the Corporation set forth in Section 2(d) of this Agreement, the Registration Statement became effective upon filing with the Commission pursuant to Rule 462 of the 1933 Act Regulations and, pursuant to Section 309 of the Trust Indenture Act of 1939, as amended (the "**1939 Act**"), the Indenture has been qualified under the 1939 Act, and that based solely on such counsel's review of the Commission's website, no stop order suspending the effectiveness of the Registration Statement has been issued and, to such counsel's knowledge, no proceedings for that purpose have been instituted or are pending or threatened by the Commission.

Hunton Andrews Kurth LLP may state that its opinions in paragraphs (v) and (vi) are subject to the effects of bankruptcy, insolvency, reorganization, moratorium or similar laws affecting creditors' rights generally and by general principles of equity (regardless of whether enforceability is considered in a proceeding in equity or at law). In addition, such counsel may state that it has relied as to certain factual matters on information obtained from public officials, officers and representatives of the Corporation and that the signatures on all documents examined by them are genuine, assumptions which such counsel have not independently verified.

(g) You shall have received a letter from Sidley Austin LLP, counsel for the Underwriter, dated the Closing Date, with respect to such opinions and statements as you may reasonably request, and the Corporation shall have furnished to such counsel such documents as it requests for the purpose of enabling it to pass upon such matters.

(h) At or after the Applicable Time, there shall not have occurred any of the following: (i) a suspension or material limitation in trading in securities generally or of the securities of the Corporation, on the New York Stock Exchange LLC; or (ii) a general moratorium on commercial banking activities in New York declared by either Federal or New York State authorities or a material disruption in commercial banking services or securities settlement or clearance services in the United States; or (iii) the outbreak or escalation of hostilities involving the United States or the declaration by the United States of a national emergency or war, if the effect of any such event specified in this subsection (h) in your reasonable judgment makes it impracticable or inadvisable to proceed with the public offering or the delivery of the Notes on the terms and in the manner contemplated in the Pricing Disclosure Package and the Prospectus. In such event there shall be no liability on the part of any party to any other party except as otherwise provided in Section 7 hereof and except for the expenses to be borne by the Corporation as provided in Section 5(j) hereof.

(i) You shall have received a certificate of the Chairman of the Board, the President, any Vice President, the Secretary or an Assistant Secretary and any financial or accounting officer of the Corporation, dated the Closing Date, in which such officers, to the best of their knowledge after reasonable investigation, shall state that the representations and warranties of the Corporation in this Agreement are true and correct as of the Closing Date, that the Corporation has complied with all agreements and satisfied all conditions on its part to be performed or satisfied at or prior to the Closing Date, that the conditions specified in Section 6(c) and Section 6(d) have been satisfied, and that no stop order suspending the effectiveness of the Registration Statement has been issued and no proceedings for that purpose have been instituted or are threatened by the Commission.

(j) At the time of the execution of this Agreement, you shall have received a letter dated such date, in form and substance satisfactory to you, from Deloitte & Touche LLP, the Corporation's independent registered public accounting firm, containing statements and information of the type ordinarily included in accountants' "comfort letters" to underwriters with respect to the financial statements and certain financial information contained or incorporated by reference into the Registration Statement, the Pricing Disclosure Package and the Prospectus, including specific references to inquiries regarding any increase in long-term debt (excluding current maturities), decrease in net current assets (defined as current assets less current liabilities) or shareholders' equity, change in the Corporation's common stock, and decrease in operating revenues or net income for the period subsequent to the latest financial statements incorporated by reference in the Registration Statement when compared with the corresponding period from the preceding year, as of a specified date not more than three business days prior to the date of this Agreement.

(k) At the Closing Date, you shall have received from Deloitte & Touche LLP, a letter dated as of the Closing Date, to the effect that it reaffirms the statements made in the letter furnished pursuant to subsection (j) of this Section 6, except that the specified date referred to shall be not more than three business days prior to the Closing Date.

The Corporation will furnish you with such conformed copies of such opinions, certificates, letters and documents as you reasonably request.

7. *Indemnification.* (a) The Corporation agrees to indemnify and hold harmless the Underwriter, its respective officers and directors, and each person, if any, who controls the Underwriter within the meaning of Section 15 of the 1933 Act, as follows:

(i) against any and all loss, liability, claim, damage and expense whatsoever arising out of any untrue statement or alleged untrue statement of a material fact contained in the Registration Statement (or any amendment thereto) including the Rule 430B Information, or the omission or alleged omission therefrom of a material fact required to be stated therein or necessary to make the statements therein not misleading or arising out of any untrue statement or alleged untrue statement of a material fact contained in the Preliminary Prospectus, the Pricing Disclosure Package, the Prospectus (or any amendment or supplement thereto), the Permitted Free Writing Prospectus or any issuer free writing prospectus as defined in Rule 433 of the 1933 Act Regulations, or the omission or alleged omission therefrom of a material fact necessary in order to make the statements therein, in the light of the circumstances under which they were made, not misleading, unless such statement or omission or such alleged statement or omission was made in reliance upon and in conformity with written information furnished to the Corporation by the Underwriter expressly for use in the Registration Statement (or any amendment thereto), the Preliminary Prospectus, the Pricing Disclosure Package, the Prospectus (or any amendment or supplement thereto) or the Permitted Free Writing Prospectus;

(ii) against any and all loss, liability, claim, damage and expense whatsoever to the extent of the aggregate amount paid in settlement of any litigation, commenced or threatened, or of any claim whatsoever based upon any such untrue statement or omission or any such alleged untrue statement or omission, if such settlement is effected with the written consent of the Corporation; and

(iii) against any and all expense whatsoever reasonably incurred in investigating, preparing or defending against any litigation, commenced or threatened, or any claim whatsoever based upon any such untrue statement or omission, or any such alleged untrue statement or omission, to the extent that any such expense is not paid under (i) or (ii) of this Section 7(a).

In no case shall the Corporation be liable under this indemnity agreement with respect to any claim made against the Underwriter or any such controlling person unless the Corporation shall be notified in writing of the nature of the claim within a reasonable time after the assertion thereof, but failure so to notify the Corporation shall not relieve it from any liability which it may have otherwise than under Sections 7(a) and 7(d). The Corporation shall be entitled to participate at its own expense in the defense, or, if it so elects, within a reasonable time after receipt of such notice, to assume the defense of any suit, but if it so elects to assume the defense, such defense shall be conducted by counsel chosen by it and approved by the Underwriter or controlling person or persons, or defendant or defendants in any suit so brought, which approval shall not be unreasonably withheld. In any such suit, the Underwriter or any such controlling person shall have the right to employ its own counsel, but the fees and expenses of such counsel shall be at the expense of the Underwriter or such controlling person unless (i) the Corporation and the Underwriter shall have mutually agreed to the employment of such counsel, or (ii) the named parties to any such action (including any impleaded parties) include both the Underwriter or such controlling person and the Corporation and the Underwriter or such controlling person shall have been advised by such counsel that a conflict of interest between the Corporation and the Underwriter or such controlling person may arise and for this reason it is not desirable for the same counsel to represent both the indemnifying party and also the indemnified party (it being understood, however, that the Corporation shall not, in connection with any one such action or separate but substantially similar or related actions in the same jurisdiction arising out of the same general allegations or circumstances, be liable for the reasonable fees and expenses of more than one separate firm of attorneys for the Underwriter and all such controlling persons, which firm shall be designated in writing by you). The Corporation agrees to notify you within a reasonable time of the assertion of any claim against it, any of its officers or directors or any person who controls the Corporation within the meaning of Section 15 of the 1933 Act, in connection with the sale of the Notes.

(b) The Underwriter agrees that it will indemnify and hold harmless the Corporation, its directors and each of the officers of the Corporation who signed the Registration Statement and each person, if any, who controls the Corporation within the meaning of Section 15 of the 1933 Act to the same extent as the indemnity contained in subsection (a) of this Section 7, but only with respect to statements or omissions made in the Registration Statement (or any amendment thereto), the Preliminary Prospectus, the Pricing Disclosure Package, the Prospectus (or any amendment or supplement thereto) or the Permitted Free Writing Prospectus, in reliance upon and in conformity with written information furnished to the Corporation by the Underwriter expressly for use in the Registration Statement (or any amendment thereto), the Preliminary Prospectus, the Pricing Disclosure Package, the Prospectus (or any amendment or supplement thereto) or the Permitted Free Writing Prospectus. In case any action shall be brought against the Corporation or any person so indemnified based on the Registration Statement (or any amendment thereto), the Preliminary Prospectus, the Pricing Disclosure Package, the Prospectus (or any amendment or supplement thereto) or the Permitted Free Writing Prospectus and in respect of which indemnity may be sought against the Underwriter, the Underwriter shall have the rights and duties given to the Corporation, and the Corporation and each person so indemnified shall have the rights and duties given to the Underwriter, by the provisions of subsection (a) of this Section 7.

(c) No indemnifying party shall, without the prior written consent of the indemnified party, effect any settlement of any pending or threatened proceeding in respect of which any indemnified party is or could have been a party and indemnity could have been sought hereunder by such indemnified party, unless such settlement includes an unconditional release of such indemnified party from all liability on claims that are the subject matter of such proceeding and does not include a statement as to or an admission of fault, culpability or a failure to act, by or on behalf of any indemnified party.

(d) If the indemnification provided for in this Section 7 is unavailable to or insufficient to hold harmless an indemnified party in respect of any and all loss, liability, claim, damage and expense whatsoever (or actions in respect thereof) that would otherwise have been indemnified under the terms of such indemnity, then each indemnifying party shall contribute to the amount paid or payable by such indemnified party as a result of such loss, liability, claim, damage or expense (or actions in respect thereof) in such proportion as is appropriate to reflect the relative benefits received by the Corporation on the one hand and the Underwriter on the other from the offering of the Notes. If, however, the allocation provided by the immediately preceding sentence is not permitted by applicable law or if the indemnified party failed to give the notice required above, then each indemnifying party shall contribute to such amount paid or payable by such indemnified party in such proportion as is appropriate to reflect not only such relative benefits but also the relative fault of the Corporation on the one hand and the Underwriter on the other in connection with the statements or omissions which resulted in such loss, liability, claim, damage or expense (or actions in respect thereof), as well as any other relevant equitable considerations. The relative benefits received by the Corporation on the one hand and the Underwriter on the other shall be deemed to be in the same proportion as the total net proceeds from the offering (before deducting expenses) received by the Corporation bear to the total compensation received by the Underwriter in respect of the underwriting discount as set forth in the table on the cover page of the Prospectus. The relative fault shall be determined by reference to, among other things, whether the untrue or alleged untrue statement of a material fact or the omission or alleged omission to state a material fact relates to information supplied by the Corporation on the one hand or the Underwriter on the other and the parties' relative intent, knowledge, access to information and opportunity to correct or prevent such statement or omission. The Corporation and the Underwriter agree that it would not be just and equitable if contributions pursuant to this Section 7 were determined by pro rata allocation or by any other method of allocation which does not take account of the equitable considerations referred to above in this Section 7. The amount paid or payable by an indemnified party as a result of the losses, liabilities, claims, damages or expenses (or actions in respect thereof) referred to above in this Section 7 shall be deemed to include any legal or other expenses reasonably incurred by such indemnified party in connection with investigating or defending any such action or claim. Notwithstanding the provisions of this Section, the Underwriter shall not be required to contribute any amount in excess of the amount by which the total price at which the Notes underwritten by it and distributed to the public were offered to the public exceeds the amount of any damages which the Underwriter has otherwise been required to pay by reason of such untrue or alleged untrue statement or omission or alleged omission. No person guilty of fraudulent misrepresentation (within the meaning of Section 11(f) of the 1933 Act) shall be entitled to contribution from any person who was not guilty of such fraudulent misrepresentation.

8. *Representations and Indemnities to Survive Delivery.* The respective indemnities, agreements, representations, warranties and other statements of the Corporation or its officers and of the Underwriter set forth in or made pursuant to this Agreement will remain in full force and effect, regardless of any investigation, or statement as to the results thereof, made by or on behalf of the Underwriter or the Corporation, or any of their respective officers or directors or any controlling person referred to in Section 7 hereof, and will survive delivery of and payment for the Notes.

9. *Reliance on Your Acts.* In all dealings hereunder, the Underwriter shall act on its own behalf, and the Corporation shall be entitled to act and rely upon any statement, request, notice or agreement on behalf of the Underwriter.

10. *No Fiduciary Relationship*. The Corporation acknowledges and agrees that (i) the purchase and sale of the Notes pursuant to this Agreement is an arm's-length commercial transaction between the Corporation on the one hand, and the Underwriter on the other hand, (ii) in connection with the offering contemplated hereby and the process leading to such transaction, the Underwriter is and has been acting solely as a principal and is not the agent or fiduciary of the Corporation or its shareholders, creditors, employees, or any other party, (iii) the Underwriter has not assumed and will not assume an advisory or fiduciary responsibility in favor of the Corporation with respect to the offering contemplated hereby or the process leading thereto (irrespective of whether the Underwriter has advised or is currently advising the Corporation on other matters) and the Underwriter has no obligation to the Corporation with respect to the offering contemplated hereby except the obligations expressly set forth in this Agreement, (iv) the Underwriter and its affiliates may be engaged in a broad range of transactions that involve interests that differ from those of the Corporation, and (v) the Underwriter has not provided any legal, accounting, regulatory or tax advice with respect to the transaction contemplated hereby and the Corporation has consulted its own legal, accounting, regulatory and tax advisors to the extent it deemed appropriate.

11. *Recognition of the U.S. Special Resolution Regimes*.

(i) In the event that the Underwriter is a Covered Entity (as defined below) and becomes subject to a proceeding under a U.S. Special Resolution Regime (as defined below), the transfer from the Underwriter of this Agreement, and any interest and obligation in or under this Agreement, will be effective to the same extent as the transfer would be effective under the U.S. Special Resolution Regime if this Agreement, and any such interest and obligation, were governed by the laws of the United States or a state of the United States.

(ii) In the event that the Underwriter is a Covered Entity or a BHC Act Affiliate (as defined below) of the Underwriter becomes subject to a proceeding under a U.S. Special Resolution Regime, Default Rights (as defined below) under this Agreement that may be exercised against the Underwriter are permitted to be exercised to no greater extent than such Default Rights could be exercised under the U.S. Special Resolution Regime if this Agreement were governed by the laws of the United States or a state of the United States.

As used in this Section 11:

"BHC Act Affiliate" has the meaning assigned to the term "affiliate" in, and shall be interpreted in accordance with, 12 U.S.C. § 1841(k).

"Covered Entity" means any of the following:

(i) a "covered entity" as that term is defined in, and interpreted in accordance with, 12 C.F.R. § 252.82(b);

(ii) a "covered bank" as that term is defined in, and interpreted in accordance with, 12 C.F.R. § 47.3(b); or

(iii) a "covered FSI" as that term is defined in, and interpreted in accordance with, 12 C.F.R. § 382.2(b).

"Default Right" has the meaning assigned to that term in, and shall be interpreted in accordance with, 12 C.F.R. §§ 252.81, 47.2 or 382.1, as applicable.

"U.S. Special Resolution Regime" means each of (i) the Federal Deposit Insurance Act and the regulations promulgated thereunder and (ii) Title II of the Dodd-Frank Wall Street Reform and Consumer Protection Act and the regulations promulgated thereunder.

12. *Notices.* All communications hereunder will be in writing and, if sent to the Underwriter, will be mailed or telecopied and confirmed to Wells Fargo Securities, LLC, 550 South Tryon Street, 5th Floor, Charlotte, North Carolina 28202, Attn: Transaction Management, Email: tmgcapitalmarkets@wellsfargo.com, Facsimile: (212) 214-5918; or, if sent to the Corporation, will be mailed or telecopied and confirmed to it at 525 S. Tryon Street, Charlotte, NC 28202, (Telephone: (704) 382-5826), attention of Assistant Treasurer. Any such communications shall take effect upon receipt thereof.

13. *Business Day.* As used herein, the term "**business day**" shall mean any day when the Commission's office in Washington, D.C. is open for business.

14. *Successors.* This Agreement shall inure to the benefit of and be binding upon the Underwriter and the Corporation and their respective successors. Nothing expressed or mentioned in this Agreement is intended or shall be construed to give any person, firm or corporation, other than the parties hereto and their respective successors and the controlling persons, officers and directors referred to in Section 7 and their respective successors, heirs and legal representatives, any legal or equitable right, remedy or claim under or in respect of this Agreement or any provision herein contained; this Agreement and all conditions and provisions hereof being intended to be and being for the sole and exclusive benefit of the parties hereto and their respective successors and said controlling persons, officers and directors and their respective successors, heirs and legal representatives, and for the benefit of no other person, firm or corporation. No purchaser of Notes from the Underwriter shall be deemed to be a successor or assign by reason merely of such purchase.

15. *Counterparts; Electronic Signatures.* This Agreement may be executed in two or more counterparts, each of which when so executed shall be deemed to be an original and all of which when taken together shall constitute one and the same instrument. The words "execution," "signed," "signature," and words of like import in this Agreement or in any other certificate, agreement or document related to this Agreement, the Indenture or the Notes shall include images of manually executed signatures transmitted by facsimile or other electronic format (including, without limitation, "pdf", "tif" or "jpg") and other electronic signatures (including, without limitation, DocuSign and AdobeSign). The use of electronic signatures and electronic records (including, without limitation, any contract or other record created, generated, sent, communicated, received, or stored by electronic means) shall be of the same legal effect, validity and enforceability as a manually executed signature or use of a paper-based record-keeping system to the fullest extent permitted by applicable law, including the Federal Electronic Signatures in Global and National Commerce Act, the New York State Electronic Signatures and Records Act and any other applicable law, including, without limitation, any state law based on the Uniform Electronic Transactions Act or the Uniform Commercial Code.

16. *Applicable Law.* This Agreement shall be governed by, and construed in accordance with, the laws of the State of New York.

If the foregoing is in accordance with your understanding, kindly sign and return to us two counterparts hereof, and upon confirmation and acceptance by the Underwriter, this Agreement and such confirmation and acceptance will become a binding agreement between the Corporation, on the one hand, and the Underwriter, on the other hand, in accordance with its terms.

Very truly yours,

DUKE ENERGY CORPORATION

By: /s/Chris R. Bauer
Name: Chris R. Bauer
Title: Assistant Treasurer

[*Remainder of page left blank intentionally*]

[*Signature Page to Underwriting Agreement*]

The foregoing Agreement is hereby
confirmed and accepted as of the date first above written.

Wells Fargo Securities, LLC

By: /s/Carolyn Hurley
Name: Carolyn Hurley
Title: Managing Director

[*Signature Page to Underwriting Agreement*]

SCHEDULE A

Underwriter	Principal Amount of 2027 Notes	Principal Amount of 2029 Notes
Wells Fargo Securities, LLC	$ 50,000,000	$ 100,000,000
Total	$ 50,000,000	$ 100,000,000

SCHEDULE B

PRICING DISCLOSURE PACKAGE

1) Base Prospectus
2) Preliminary Prospectus Supplement dated January 9, 2024
3) Permitted Free Writing Prospectus
   a) Pricing Term Sheet attached as Schedule C hereto

SCHEDULE C

Filed pursuant to Rule 433
January 9, 2024
Relating to
Preliminary Prospectus Supplement dated January 9, 2024
to
Prospectus dated September 23, 2022
Registration Statement No. 333-267583

Duke Energy Corporation
$50,000,000 4.850% Senior Notes due 2027
$100,000,000 4.850% Senior Notes due 2029

Pricing Term Sheet

Issuer:	Duke Energy Corporation (the "**Issuer**")
Trade Date:	January 9, 2024
Settlement Date:	January 12, 2024; T+3*
Security Description:	4.850% Senior Notes due 2027 (the "**2027 Notes**") 4.850% Senior Notes due 2029 (the "**2029 Notes**" and, together with the 2027 Notes, the "**Notes**")
Principal Amount:	**2027 Notes**: $50,000,000. The 2027 will be part of the same series of notes as the $550,000,000 aggregate principal amount of the Issuer's 4.850% Senior Notes due 2027 issued on January 5, 2024 **2029 Notes**: $100,000,000. The 2029 Notes will be part of the same series of notes as the $550,000,000 aggregate principal amount of the Issuer's 4.850% Senior Notes due 2029 issued on January 5, 2024
Interest Payment Dates:	Payable semi-annually in arrears on January 5 and July 5 of each year, beginning on July 5, 2024 (interest on the Notes will accrue from and including January 5, 2024)
Maturity Date:	**2027 Notes**: January 5, 2027 **2029 Notes**: January 5, 2029
Benchmark Treasury:	**2027 Notes**: 4.375% due December 15, 2026 **2029 Notes**: 3.750% due December 31, 2028
Benchmark Treasury Yield:	**2027 Notes**: 4.134% **2029 Notes**: 3.973%
Spread to Benchmark Treasury:	**2027 Notes**: +75 bps **2029 Notes**: +95 bps

Yield to Maturity:	**<u>2027 Notes</u>**: 4.884% **<u>2029 Notes</u>**: 4.923%
Coupon:	**<u>2027 Notes</u>**: 4.850% **<u>2029 Notes</u>**: 4.850%
Price to the Public:	**<u>2027 Notes</u>**: 99.906% per 2027 Note (plus accrued interest of $47,152.78 for the period from and including January 5, 2024 to, but excluding, the date of delivery) **<u>2029 Notes</u>**: 99.680% per 2029 Note (plus accrued interest of $94,305.56 for the period from and including January 5, 2024 to, but excluding, the date of delivery)
Redemption Provisions:	**<u>2027 Notes</u>**: The Issuer may redeem the 2027 Notes at its option, in whole or in part, at any time and from time to time, at a redemption price (expressed as a percentage of principal amount and rounded to three decimal places) equal to the greater of: • (a) the sum of the present values of the remaining scheduled payments of principal and interest thereon discounted to the redemption date on a semi-annual basis (assuming a 360-day year consisting of twelve 30-day months) at the Treasury Rate applicable to the 2027 Notes plus 15 basis points less (b) interest accrued to the redemption date; and • 100% of the principal amount of the 2027 Notes to be redeemed, plus, in either case, accrued and unpaid interest thereon to, but excluding, the redemption date. **<u>2029 Notes</u>**: Prior to December 5, 2028 (the date that is one month prior to the maturity date of the 2029 Notes (the "**2029 Par Call Date**")), the Issuer may redeem the 2029 Notes at its option, in whole or in part, at any time and from time to time, at a redemption price (expressed as a percentage of principal amount and rounded to three decimal places) equal to the greater of: • (a) the sum of the present values of the remaining scheduled payments of principal and interest thereon discounted to the redemption date (assuming the 2029 Notes matured on the 2029 Par Call Date) on a semi-annual basis (assuming a 360-day year consisting of twelve 30-day months) at the Treasury Rate applicable to the 2029 Notes plus 15 basis points less (b) interest accrued to the redemption date; and

	• 100% of the principal amount of the 2029 Notes to be redeemed, plus, in either case, accrued and unpaid interest thereon to, but excluding, the redemption date. On or after the 2029 Par Call Date, the Issuer may redeem the 2029 Notes at its option, in whole or in part, at any time and from time to time, at a redemption price equal to 100% of the principal amount of the 2029 Notes to be redeemed plus accrued and unpaid interest thereon to, but excluding, the redemption date.
Denominations:	$2,000 or any integral multiple of $1,000 in excess thereof
CUSIP / ISIN:	**2027 Notes**: 26441C CB9 / US26441CCB90 **2029 Notes**: 26441C CC7 / US26441CCC73
Underwriter:	Wells Fargo Securities, LLC

* Settlement: Under Rule 15c6-1 under the Securities Exchange Act of 1934, as amended, trades in the secondary market generally are required to settle in two business days unless the parties to any such trade expressly agree otherwise. Accordingly, purchasers who wish to trade the Notes on the Trade Date will be required, by virtue of the fact that the Notes initially will settle in T+3, to specify an alternative settlement cycle at the time of any such trade to prevent a failed settlement. Purchasers of the Notes who wish to trade the Notes on the Trade Date should consult their own advisors.

The Issuer has filed a registration statement (including a prospectus) with the SEC for the offering to which this communication relates. Before you invest, you should read the prospectus in that registration statement and other documents the Issuer has filed with the SEC for more complete information about the Issuer and this offering. You may get these documents for free by visiting EDGAR on the SEC Web site at www.sec.gov. Alternatively, the Issuer, any underwriter or any dealer participating in the offering will arrange to send you the prospectus if you request it by calling Wells Fargo Securities, LLC toll-free at 1 (800) 645-3751.

ANY DISCLAIMER OR OTHER NOTICE THAT MAY APPEAR BELOW IS NOT APPLICABLE TO THIS COMMUNICATION AND SHOULD BE DISREGARDED. SUCH DISCLAIMER OR NOTICE WAS AUTOMATICALLY GENERATED AS A RESULT OF THIS COMMUNICATION BEING SENT BY BLOOMBERG OR ANOTHER EMAIL SYSTEM.

SCHEDULE D

Amended and Restated Credit Agreement, dated as of March 18, 2022, among Duke Energy Corporation, Duke Energy Carolinas, LLC, Duke Energy Ohio, Inc., Duke Energy Indiana, LLC, Duke Energy Kentucky, Inc., Duke Energy Progress, LLC, Duke Energy Florida, LLC, and Piedmont Natural Gas Company, Inc., the Lenders party thereto, Wells Fargo Bank, National Association, as Administrative Agent and Swingline Lender and Wells Fargo Securities, LLC, as Joint Lead Arranger, Joint Bookrunner and Sustainability Structuring Agent.

Amendment No. 1, dated as of March 17, 2023, to Amended and Restated Credit Agreement, dated as of March 18, 2022.

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549
FORM 8-K

CURRENT REPORT
Pursuant to Section 13 or 15(d) of the
Securities Exchange Act of 1934

Date of Report (Date of earliest event reported): January 31, 2024

Commission file number	Registrant, State of Incorporation or Organization, Address of Principal Executive Offices and Telephone Number	IRS Employer Identification No.
1-32853	**DUKE ENERGY CORPORATION** (a Delaware corporation) 525 South Tryon Street Charlotte, North Carolina 28202 800-488-3853	20-2777218
1-3274	**DUKE ENERGY FLORIDA, LLC** (a Florida limited liability company) 299 First Avenue North St. Petersburg, Florida 33701 800-488-3853	59-0247770

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

- ☐ Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- ☐ Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- ☐ Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- ☐ Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

SECURITIES REGISTERED PURSUANT TO SECTION 12(b) OF THE ACT:

Registrant	Title of each class	Trading Symbol(s)	Name of each exchange on which registered
Duke Energy	Common Stock, $0.001 par value	DUK	New York Stock Exchange LLC
Duke Energy	5.625% Junior Subordinated Debentures due September 15, 2078	DUKB	New York Stock Exchange LLC
Duke Energy	Depositary Shares each representing a 1/1,000th interest in a share of 5.75% Series A Cumulative Redeemable Perpetual Preferred Stock, par value $0.001 per share	DUK PR A	New York Stock Exchange LLC
Duke Energy	3.10% Senior Notes due 2028	DUK 28A	New York Stock Exchange LLC
Duke Energy	3.85% Senior Notes due 2034	DUK 34	New York Stock Exchange LLC

Indicate by check mark whether the registrant is an emerging growth company as defined in Rule 405 of the Securities Act of 1933 (§230.405 of this chapter) or Rule 12b-2 of the Securities Exchange Act of 1934 (§240.12b-2 of this chapter).

Emerging growth company ☐

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act. ☐

Item 8.01. Other Events.

On January 31, 2024, Duke Energy Florida ("DEF") notified the Florida Public Service Commission ("FPSC") that it expects to file a formal request on April 2, 2024 for new base rates. DEF intends to propose a three-year rate plan that would begin in January 2025, once its current base rate settlement agreement concludes at the end of this year. DEF will propose multi-year rate increases that use the projected 12-month periods ending December 31, 2025, 2026, and 2027 as the test years, with adjusted rates to be effective with the first billing period of January 2025, 2026, and 2027, respectively. DEF expects to request additional base rate revenue requirements of approximately $596 million in 2025, $95 million in 2026 and $127 million in 2027. This is an average annual increase in revenue requirements of approximately 4% percent over 2025 through 2027. DEF will propose to set the company's return on common equity midpoint at 11.15 percent on a proposed capital structure containing 53 percent equity and 47 percent debt.

Cautionary Statement Regarding Forward-Looking Statements

This Form 8-K includes forward-looking statements within the meaning of Section 27A of the Securities Act of 1933 and Section 21E of the Securities Exchange Act of 1934. Forward-looking statements are based on DEF's, Duke Energy Corporation's and its subsidiaries (collectively, the "Company") beliefs and assumptions and can often be identified by terms and phrases that include "anticipate," "believe," "intend," "estimate," "expect," "continue," "should," "could," "may," "plan," "project," "predict," "will," "potential," "forecast," "target," "guidance," "outlook" or other similar terminology. Various factors may cause actual results to be materially different than the suggested outcomes within forward-looking statements; accordingly, there is no assurance that such results will be realized. These factors include, but are not limited to:

- The ability to implement our business strategy, including our carbon emission reduction goals;
- State, federal, and foreign legislative and regulatory initiatives, including costs of compliance with existing and future environmental requirements, including those related to climate change, as well as rulings that affect cost and investment recovery or have an impact on rate structures or market prices;
- The extent and timing of costs and liabilities to comply with federal and state laws, regulations and legal requirements related to coal ash remediation, including amounts for required closure of certain ash impoundments, are uncertain and difficult to estimate;
- The ability to recover eligible costs, including amounts associated with coal ash impoundment retirement obligations, asset retirement and construction costs related to carbon emissions reductions, and costs related to significant weather events, and to earn an adequate return on investment through rate case proceedings and the regulatory process;
- The costs of decommissioning nuclear facilities could prove to be more extensive than amounts estimated and all costs may not be fully recoverable through the regulatory process;
- The impact of extraordinary external events, such as the pandemic health event resulting from COVID-19, and their collateral consequences, including the disruption of global supply chains or the economic activity in our service territories;
- Costs and effects of legal and administrative proceedings, settlements, investigations, and claims;
- Industrial, commercial, and residential growth or decline in service territories or customer bases resulting from sustained downturns of the economy, reduced customer usage due to cost pressures from inflation or fuel costs, and the economic health of our service territories or variations in customer usage patterns, including energy efficiency efforts, natural gas building and appliance electrification, and use of alternative energy sources, such as self-generation and distributed generation technologies;
- Federal and state regulations, laws and other efforts designed to promote and expand the use of energy efficiency measures, natural gas electrification, and distributed generation technologies, such as private solar and battery storage, in Duke Energy service territories could result in a reduced number of customers, excess generation resources, as well as stranded costs;
- Advancements in technology;
- Additional competition in electric and natural gas markets and continued industry consolidation;
- The influence of weather and other natural phenomena on operations, including the economic, operational and other effects of severe storms, hurricanes, droughts, earthquakes, and tornadoes, including extreme weather associated with climate change;
- Changing investor, customer and other stakeholder expectations and demands, including heightened emphasis on environmental, social, and governance concerns and costs related thereto;
- The ability to successfully operate electric generating facilities and deliver electricity to customers, including direct or indirect effects to the Company resulting from an incident that affects the United States electric grid or generating resources;
- Operational interruptions to our natural gas distribution and transmission activities;
- The availability of adequate interstate pipeline transportation capacity and natural gas supply;

- The impact on facilities and business from a terrorist or other attack, war, vandalism, cybersecurity threats, data security breaches, operational events, information technology failures, or other catastrophic events, such as fires, explosions, pandemic health events, or other similar occurrences;
- The inherent risks associated with the operation of nuclear facilities, including environmental, health, safety, regulatory and financial risks, including the financial stability of third-party service providers;
- The timing and extent of changes in commodity prices and interest rates and the ability to recover such costs through the regulatory process, where appropriate, and their impact on liquidity positions and the value of underlying assets;
- The results of financing efforts, including the ability to obtain financing on favorable terms, which can be affected by various factors, including credit ratings, interest rate fluctuations, compliance with debt covenants and conditions, an individual utility's generation mix, and general market and economic conditions;
- Credit ratings of the Company and its subsidiaries may be different from what is expected;
- Declines in the market prices of equity and fixed-income securities and resultant cash funding requirements for defined benefit pension plans, other post-retirement benefit plans and nuclear decommissioning trust funds;
- Construction and development risks associated with the completion of the Company's and its subsidiaries' capital investment projects, including risks related to financing, timing and receipt of necessary regulatory approvals, obtaining and complying with terms of permits, meeting construction budgets and schedules, and satisfying operating and environmental performance standards, as well as the ability to recover costs from customers in a timely manner, or at all;
- Changes in rules for regional transmission organizations, including changes in rate designs and new and evolving capacity markets, and risks related to obligations created by the default of other participants;
- The ability to control operation and maintenance costs;
- The level of creditworthiness of counterparties to transactions;
- The ability to obtain adequate insurance at acceptable costs;
- Employee workforce factors, including the potential inability to attract and retain key personnel;
- The ability of subsidiaries to pay dividends or distributions to Duke Energy Corporation holding company (the Parent);
- The performance of projects undertaken by our businesses and the success of efforts to invest in and develop new opportunities;
- The effect of accounting and reporting pronouncements issued periodically by accounting standard-setting bodies and the SEC;
- The impact of United States tax legislation to our financial condition, results of operations or cash flows and our credit ratings;
- The impacts from potential impairments of goodwill or equity method investment carrying values;
- Asset or business acquisitions and dispositions, may not yield the anticipated benefits;
- The actions of activist shareholders could disrupt our operations, impact our ability to execute on our business strategy, or cause fluctuations in the trading price of our common stock; and

Additional risks and uncertainties are identified and discussed in the Company's reports filed with the SEC and available at the SEC's website at www.sec.gov. In light of these risks, uncertainties and assumptions, the events described in the forward-looking statements might not occur or might occur to a different extent or at a different time than described. Forward-looking statements speak only as of the date they are made and Duke Energy expressly disclaims an obligation to publicly update or revise any forward-looking statements, whether as a result of new information, future events, or otherwise.

Item 9.01. Financial Statements and Exhibits.

(d) Exhibits.

99.1	Duke Energy Florida, LLC Press Release Regarding 2024 Test Year Letter
99.2	Duke Energy Florida, LLC Fact Sheet Regarding 2024 Test Year Letter
104	Cover Page Interactive Data File (the cover page XBRL tags are embedded in the Inline XBRL document).

SIGNATURE

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

	DUKE ENERGY CORPORATION
Date: January 31, 2024	**By: /s/ David S. Maltz**
	David S. Maltz
	Vice President, Legal, Chief Governance Officer and Assistant Corporate Secretary
	DUKE ENERGY FLORIDA, LLC
Date: January 31, 2024	**By: /s/ David S. Maltz**
	David S. Maltz
	Vice President, Legal, Assistant Secretary and Chief Governance Officer

Exhibit 99.1

DUKE ENERGY.

BUILDING A SMARTER ENERGY FUTURE ®

News Release

Media contact: Ana Gibbs
Media line: 800.559.3853

Jan. 31, 2024

Duke Energy Florida to file for new base rates, expects lower overall customer bills in 2025

- **Filing to include smart investments in innovative technologies to increase efficiency, reduce outages, while generating customer savings**
- **Building 14 new solar sites, adding 1,050 megawatts of clean energy**
- **Expiring fuel and storm recovery costs lower overall customer bills in 2025**

ST. PETERSBURG, Fla. – Today, Duke Energy Florida notified the Florida Public Service Commission (FPSC) of its intent to file a rate case in April that proposes investments to increase generation unit efficiency, reduce outages and expand solar generation as part of increased base rates taking effect in January 2025.

The company is requesting an average annual base rate increase of approximately 4% during 2025 through 2027.

Even with the requested base rate increase, the company expects overall customer bills to decrease in 2025. The 2022 fuel under-recovery, storm restoration cost recovery and legacy purchased power contracts will expire year-end 2024, which will lower overall bills in 2025.

The rate request delivers the smarter energy future customers deserve while providing price stability and certainty. The proposed investments will decrease outages and shorten restoration times for customers and communities, while reducing emissions at a reasonable cost.

As the energy industry continues to evolve, Duke Energy Florida must anticipate changes driven by population growth, technological advancements and customer expectations.

"This proposal offers what our customers want – a more reliable energy system using cleaner energy," said Melissa Seixas, Duke Energy Florida state president. "We are focused on making smart energy investments that leverage innovative technology to increase power plant efficiency and reduce outages."

Investments

Investments under the proposed 2025-2027 rate case filing include:

News Release

- Continued grid modernization to serve increased population growth through improved reliability, resulting in fewer outages and shorter restoration times.
  - Between 2018 and 2023, the company reduced the average length of a customer outage by 27%. In 2023, the company had its best reliability performance in more than a decade.
  - Customers are already benefiting from our self-healing technology through our Storm Protection Program. This technology reroutes power and reduces the number of customers who experience outages. For example, during hurricanes Ian, Nicole and Idalia, self-healing grid technologies helped to automatically restore service to more than 230,000 customers who experienced outages and saved more than 200 million minutes of total lost outage time.
- Continued enhancements to power plants to reduce fuel consumption, generating future customer savings.
  - Duke Energy Florida estimates customers will save $150 million to $200 million per year in reduced fuel costs from investments under the proposed 2025-2027 rate case filing.
- Building 14 new solar plants between 2025 and 2027, adding another 1,050 megawatts (MW) of clean energy to Florida's grid. These cost-effective solar investments will reduce Florida's dependence on fossil fuels, increase fuel generation diversity and reduce emissions.
- Additionally, the continued exploration of innovative clean energy technologies, such as long-duration energy storage and the DeBary Hydrogen project, a clean energy hydrogen production and storage system. These projects maximize customer benefits through state-of-the-art technology solutions that offset traditional utility investments, improve the resilience of utility facilities and enable Florida's transition to cleaner energy.

Next Steps

The proposed 2025-2027 rate case filing is subject to the FPSC approval. The approval process includes public hearings to allow customers feedback on the rate requests and the utility service quality. The FPSC considers customer input when reviewing rate increase requests.

Through a public and transparent process, the schedule of public hearings will be announced through the FPSC's website and customer bill inserts. Timing is expected for midyear.

Connecting Customers with Billing Assistance

News Release

Duke Energy Florida will also continue to offer programs and assistance options to low-income customers. This includes connecting customers with assistance agencies that administer the Low-Income Home Energy Assistance Program and Elderly Home Energy Assistance Program.

Through the Duke Energy Foundation, the company also manages and contributes to its Share the Light Fund®, which assists customers with paying their energy bills. In 2023, we distributed more than $1 million in energy bill assistance to qualifying Florida customers.

Duke Energy Florida

Duke Energy Florida, a subsidiary of Duke Energy, owns 10,500 megawatts of energy capacity, supplying electricity to 1.9 million residential, commercial and industrial customers across a 13,000-square-mile service area in Florida.

Duke Energy (NYSE: DUK), a Fortune 150 company headquartered in Charlotte, N.C., is one of America's largest energy holding companies. Its electric utilities serve 8.2 million customers in North Carolina, South Carolina, Florida, Indiana, Ohio and Kentucky, and collectively own 50,000 megawatts of energy capacity. Its natural gas unit serves 1.6 million customers in North Carolina, South Carolina, Tennessee, Ohio and Kentucky. The company employs 27,600 people.

Duke Energy is executing an aggressive clean energy transition to achieve its goals of net-zero methane emissions from its natural gas business by 2030 and net-zero carbon emissions from electricity generation by 2050. The company has interim carbon emission targets of at least 50% reduction from electric generation by 2030, 50% for Scope 2 and certain Scope 3 upstream and downstream emissions by 2035, and 80% from electric generation by 2040. In addition, the company is investing in major electric grid enhancements and energy storage, and exploring zero-emission power generation technologies such as hydrogen and advanced nuclear.

Duke Energy was named to Fortune's 2023 "World's Most Admired Companies" list and Forbes' "World's Best Employers" list. More information is available at duke-energy.com. The Duke Energy News Center contains news releases, fact sheets, photos and videos. Duke Energy's illumination features stories about people, innovations, community topics and environmental issues. Follow Duke Energy on Twitter, LinkedIn, Instagram and Facebook.

Cautionary Statement Regarding Forward-Looking Statements

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"Company") beliefs and assumptions and can often be identified by terms and phrases that include "anticipate," "believe," "intend," "estimate," "expect," "continue," "should," "could," "may," "plan," "project," "predict," "will," "potential," "forecast," "target," "guidance," "outlook" or other similar terminology. Various factors may cause actual results to be materially different than the suggested outcomes within forward-looking statements; accordingly, there is no assurance that such results will be realized. These factors include, but are not limited to:

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- State, federal, and foreign legislative and regulatory initiatives, including costs of compliance with existing and future environmental requirements, including those related to climate change, as well as rulings that affect cost and investment recovery or have an impact on rate structures or market prices;
- The extent and timing of costs and liabilities to comply with federal and state laws, regulations and legal requirements related to coal ash remediation, including amounts for required closure of certain ash impoundments, are uncertain and difficult to estimate;
- The ability to recover eligible costs, including amounts associated with coal ash impoundment retirement obligations, asset retirement and construction costs related to carbon emissions reductions, and costs related to significant weather events, and to earn an adequate return on investment through rate case proceedings and the regulatory process;
- The costs of decommissioning nuclear facilities could prove to be more extensive than amounts estimated and all costs may not be fully recoverable through the regulatory process;
- The impact of extraordinary external events, such as the pandemic health event resulting from COVID-19, and their collateral consequences, including the disruption of global supply chains or the economic activity in our service territories;
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- Industrial, commercial, and residential growth or decline in service territories or customer bases resulting from sustained downturns of the economy, reduced customer usage due to cost pressures from inflation or fuel costs, and the economic health of our service territories or variations in customer usage patterns, including energy efficiency efforts, natural gas building and

appliance electrification, and use of alternative energy sources, such as self-generation and distributed generation technologies;

- Federal and state regulations, laws and other efforts designed to promote and expand the use of energy efficiency measures, natural gas electrification, and distributed generation technologies, such as private solar and battery storage, in Duke Energy service territories could result in a reduced number of customers, excess generation resources, as well as stranded costs;
- Advancements in technology;
- Additional competition in electric and natural gas markets and continued industry consolidation;
- The influence of weather and other natural phenomena on operations, including the economic, operational and other effects of severe storms, hurricanes, droughts, earthquakes, and tornadoes, including extreme weather associated with climate change;
- Changing investor, customer and other stakeholder expectations and demands, including heightened emphasis on environmental, social, and governance concerns and costs related thereto;
- The ability to successfully operate electric generating facilities and deliver electricity to customers, including direct or indirect effects to the Company resulting from an incident that affects the United States electric grid or generating resources;
- Operational interruptions to our natural gas distribution and transmission activities;
- The availability of adequate interstate pipeline transportation capacity and natural gas supply;
- The impact on facilities and business from a terrorist or other attack, war, vandalism, cybersecurity threats, data security breaches, operational events, information technology failures, or other catastrophic events, such as fires, explosions, pandemic health events, or other similar occurrences;
- The inherent risks associated with the operation of nuclear facilities, including environmental, health, safety, regulatory and financial risks, including the financial stability of third-party service providers;
- The timing and extent of changes in commodity prices and interest rates and the ability to recover such costs through the regulatory process, where appropriate, and their impact on liquidity positions and the value of underlying assets;

- The results of financing efforts, including the ability to obtain financing on favorable terms, which can be affected by various factors, including credit ratings, interest rate fluctuations, compliance with debt covenants and conditions, an individual utility's generation mix, and general market and economic conditions;
- Credit ratings of the Company and its subsidiaries may be different from what is expected;
- Declines in the market prices of equity and fixed-income securities and resultant cash funding requirements for defined benefit pension plans, other post-retirement benefit plans and nuclear decommissioning trust funds;
- Construction and development risks associated with the completion of the Company's and its subsidiaries' capital investment projects, including risks related to financing, timing and receipt of necessary regulatory approvals, obtaining and complying with terms of permits, meeting construction budgets and schedules, and satisfying operating and environmental performance standards, as well as the ability to recover costs from customers in a timely manner, or at all;
- Changes in rules for regional transmission organizations, including changes in rate designs and new and evolving capacity markets, and risks related to obligations created by the default of other participants;
- The ability to control operation and maintenance costs;
- The level of creditworthiness of counterparties to transactions;
- The ability to obtain adequate insurance at acceptable costs;
- Employee workforce factors, including the potential inability to attract and retain key personnel;
- The ability of subsidiaries to pay dividends or distributions to Duke Energy Corporation holding company (the Parent);
- The performance of projects undertaken by our businesses and the success of efforts to invest in and develop new opportunities;
- The effect of accounting and reporting pronouncements issued periodically by accounting standard-setting bodies and the SEC;
- The impact of United States tax legislation to our financial condition, results of operations or cash flows and our credit ratings;
- The impacts from potential impairments of goodwill or equity method investment carrying values;
- Asset or business acquisitions and dispositions, may not yield the anticipated benefits;

News Release

- The actions of activist shareholders could disrupt our operations, impact our ability to execute on our business strategy, or cause fluctuations in the trading price of our common stock; and

Additional risks and uncertainties are identified and discussed in the Company's reports filed with the SEC and available at the SEC's website at www.sec.gov. In light of these risks, uncertainties and assumptions, the events described in the forward-looking statements might not occur or might occur to a different extent or at a different time than described. Forward-looking statements speak only as of the date they are made and Duke Energy expressly disclaims an obligation to publicly update or revise any forward-looking statements, whether as a result of new information, future events, or otherwise.

###

Exhibit 99.2

Duke Energy Florida
Summary of 2024 Test Year Notification

- On January 31, 2024, Duke Energy Florida (“DEF”) notified the Florida Public Service Commission (“FPSC”) that it expects to file a formal request for new base rates on April 2, 2024. The company intends to propose a three-year rate plan that would begin in January 2025, once its current base rate settlement agreement concludes at the end of this year.

- DEF will propose multi-year rate increases that use the projected 12-month periods ending December 31, 2025, 2026, and 2027 as the test years, with adjusted rates to be effective with the first billing period of January 2025, 2026, and 2027, respectively.

- DEF expects to request additional base rate revenue requirements of approximately **$596 million** in 2025, **$95 million** in 2026 and **$127 million** in 2027. This is an average annual increase in revenue requirements of approximately **4%** percent over 2025 through 2027.

    - DEF expects these increases to be offset by bill reductions from ending the 2022 fuel under-recovery, concluding storm restoration cost recovery and the expiration of legacy purchased power contracts.

- DEF will propose to set the Company’s return on common equity (“ROE”) midpoint at **11.15 percent** on a proposed capital structure containing **53 percent equity** and 47 percent debt.

- **Major Factors Necessitating a General Base Rate Increase:**

    - **Transmission and Distribution Investment:** DEF will invest $3.3 billion from 2025 through 2027 in its transmission and distribution systems to continue to provide reliable, safe electric service to customer homes and businesses.
    - **New Solar Generation and Energy Storage:** DEF will invest $1.5 billion from 2025-2027 in 1,050 Megawatts of new solar generation plus a 100 Megawatt energy storage project. These investments add to DEF’s existing solar generation fleet that, at the end of 2024, will consist of a combined investment of over $2 billion in 1,500 Megawatts of emission free, clean generation.
    - **Existing Generation Investment:** DEF plans to invest $70 million from 2025-2027 in advancements in combustion turbine technology at its existing combined cycle plants to increase generation capacity by an additional 428 Megawatts by 2026.
    - **Depreciation Updates:** DEF will file updated depreciation and dismantlement studies contemporaneously with this case, resulting in approximately $70 million increase in revenue requirements starting in 2025.

Cautionary Statement Regarding Forward-Looking Statements

This document includes forward-looking statements within the meaning of Section 27A of the Securities Act of 1933 and Section 21E of the Securities Exchange Act of 1934. Forward-looking statements are based on DEF’s, Duke Energy Corporation’s and its subsidiaries (collectively, the “Company”) beliefs and assumptions and can often be identified by terms and phrases that include “anticipate,” “believe,” “intend,” “estimate,” “expect,” “continue,” “should,” “could,” “may,” “plan,” “project,” “predict,” “will,” “potential,” “forecast,” “target,” “guidance,” “outlook” or other similar terminology. Various factors may cause actual results to be materially different than the suggested outcomes within forward-looking statements; accordingly, there is no assurance that such results will be realized. These factors include, but are not limited to:

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UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549
FORM 8-K

CURRENT REPORT
Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934

Date of Report (Date of earliest event reported): February 8, 2024

Commission File Number	Exact Name of Registrant as Specified in its Charter, State or other Jurisdiction of Incorporation, Address of Principal Executive Offices, Zip Code, and Registrant's Telephone Number, Including Area Code	IRS Employer Identification No.
1-32853	**DUKE ENERGY CORPORATION**	20-2777218

(a Delaware corporation)
525 South Tryon Street
Charlotte, North Carolina 28202
800-488-3853

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- ☐ Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- ☐ Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- ☐ Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- ☐ Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

SECURITIES REGISTERED PURSUANT TO SECTION 12(b) OF THE ACT:

Registrant	Title of each class	Trading Symbol(s)	Name of each exchange on which registered
Duke Energy	Common Stock, $0.001 par value	DUK	New York Stock Exchange LLC
Duke Energy	5.625% Junior Subordinated Debentures due September 15, 2078	DUKB	New York Stock Exchange LLC
Duke Energy	Depositary Shares each representing a 1/1,000th interest in a share of 5.75% Series A Cumulative Redeemable Perpetual Preferred Stock, par value $0.001 per share	DUK PR A	New York Stock Exchange LLC
Duke Energy	3.10% Senior Notes due 2028	DUK 28A	New York Stock Exchange LLC
Duke Energy	3.85% Senior Notes due 2034	DUK34	New York Stock Exchange LLC

Indicate by check mark whether the registrant is an emerging growth company as defined in Rule 405 of the Securities Act of 1933 (§230.405 of this chapter) or Rule 12b-2 of the Securities Exchange Act of 1934 (§240.12b-2 of this chapter). Emerging growth company ☐

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act. ☐

Item 2.02 Results of Operations and Financial Condition.

On February 8, 2024, Duke Energy Corporation (the "Corporation") will issue and post a news release to its website (duke-energy.com/investors) announcing its financial results for the fourth quarter ended December 31, 2023. A copy of this news release is attached hereto as Exhibit 99.1. The information in Exhibit 99.1 is being furnished pursuant to this Item 2.02. In accordance with General Instruction B.2 of Form 8-K, the information in Item 2.02 of this Current Report on Form 8-K, including Exhibit 99.1, shall not be deemed "filed" for the purposes of Section 18 of the Securities and Exchange Act of 1934, as amended, or otherwise subject to the liabilities of that section.

Item 9.01 Financial Statements and Exhibits.

(d) *Exhibits*

99.1 News Release to be issued by Duke Energy Corporation on February 8, 2024 (furnished pursuant to Item 2.02).

104 Cover Page Interactive Data File (embedded within the Inline XBRL document).

SIGNATURE

Pursuant to the requirements of the Securities and Exchange Act of 1934, the registrant has duly caused this Report to be signed on its behalf by the undersigned hereunto duly authorized.

DUKE ENERGY CORPORATION
/s/ CYNTHIA S. LEE

Cynthia S. Lee
Vice President, Chief Accounting Officer and Controller

Dated: February 8, 2024

News Release

Media Contact: Jennifer Garber
24-Hour: 800.559.3853

Analyst Contact: Abby Motsinger
Office: 704.382.7624

February 8, 2024

Duke Energy reports fourth-quarter and full-year 2023 financial results

- **2023 reported EPS of $3.54 and adjusted EPS of $5.56, closing the year within guidance range**
- **Constructive rate case outcomes and portfolio simplification in 2023 provide clarity and momentum**
- **Five-year capital plan increasing to $73 billion to support unprecedented growth in the communities we serve**

CHARLOTTE, N.C. – Duke Energy (NYSE: DUK) today announced 2023 full-year reported EPS of $3.54, prepared in accordance with Generally Accepted Accounting Principles (GAAP), and adjusted EPS of $5.56. This is compared to reported and adjusted EPS of $3.17 and $5.27, respectively, for the full-year 2022.

Adjusted EPS excludes the impact of certain items that are included in reported EPS. In 2023, these included charges related to organizational optimization and regulatory matters along with results from discontinued operations.

Higher full-year 2023 adjusted results were primarily driven by contributions from rate cases, growth from riders and other retail margin and lower O&M expense along with a lower effective tax rate. These items were partially offset by higher interest expense and depreciation on a growing asset base along with unfavorable weather and electric volumes.

The company is introducing 2024 adjusted EPS guidance of $5.85 to $6.10, and reaffirming its long-term adjusted EPS growth rate of 5% to 7% through 2028 off the 2024 midpoint of $5.98. Management does not forecast reported GAAP EPS and related long-term growth rates.

“Today we announced strong fourth-quarter results, concluding a year of resilience and agility as we overcame external challenges. We advanced strategic initiatives and delivered constructive regulatory outcomes that benefit our customers and company, while maintaining our commitment to safety, reliability and affordability,” said Lynn Good, Duke Energy chair, president and chief executive officer.

“We enter 2024 with a clear vision, significant momentum and an increased $73 billion, five-year capital plan that will support our energy transition and the unprecedented growth of our jurisdictions. The strength of our regulated utilities and our increasing capital profile give us confidence in our ability to deliver sustainable value and earnings growth of 5% to 7% through 2028.”

Quarterly results

Duke Energy's fourth-quarter 2023 reported EPS was $1.27, compared to reported loss per share of $0.86 for the fourth quarter of 2022. Duke Energy's fourth-quarter 2023 adjusted EPS was $1.51, compared to $1.11 for the fourth quarter of 2022. Higher adjusted results for the quarter compared to last year were driven by lower O&M expense, favorable rate case impacts along with growth from riders and other retail margin, and lower tax expense and franchise tax benefits, partially offset by higher interest expense and depreciation on a growing asset base.

In addition to the following summary of fourth-quarter 2023 business segment performance, comprehensive tables with detailed EPS drivers for the fourth-quarter and full-year 2023 compared to prior year are provided at the end of this news release.

The discussion below of fourth-quarter results includes both GAAP segment income and adjusted segment income, which is a non-GAAP financial measure. The tables at the end of this news release present a full reconciliation of GAAP reported results to adjusted results.

Electric Utilities and Infrastructure

On a reported basis, Electric Utilities and Infrastructure recognized fourth-quarter 2023 segment income of $1,135 million, compared to reported segment income of $692 million in the fourth quarter of 2022. In addition to the drivers outlined below, fourth-quarter 2023 results include impacts related to the Duke Energy Carolinas rate case order, which was treated as a special item and excluded from adjusted earnings.

On an adjusted basis, Electric Utilities and Infrastructure recognized fourth-quarter 2023 segment income of $1,115 million, compared to adjusted segment income of $811 million, in the fourth quarter of 2022. On an adjusted basis, this represents an increase of $0.40 per share. Higher quarterly results were primarily driven by lower O&M expense, favorable rate case impacts along with growth from riders and other retail margin, and lower tax expense. These items were partially offset by higher interest expense and depreciation on a growing asset base.

Gas Utilities and Infrastructure

On a reported and adjusted basis, Gas Utilities and Infrastructure recognized fourth-quarter 2023 segment income of $192 million, compared to reported and adjusted segment income of $191 million in the fourth quarter of 2022. Flat quarterly results were primarily driven by favorable riders and other retail margin offset by higher interest expense.

Other

Other primarily includes interest expense on holding company debt, other unallocated corporate costs and results from Duke Energy’s captive insurance company.

On a reported basis, Other recognized a fourth-quarter 2023 net loss of $228 million, compared to a net loss of $257 million in the fourth quarter of 2022. In addition to the drivers outlined below, fourth-quarter 2023 results include charges related to organizational optimization, which was treated as a special item and excluded from adjusted earnings.

On an adjusted basis, Other recognized a net loss of $133 million, in the fourth quarter of both 2023 and 2022. Flat quarterly results were primarily driven by higher interest expense offset by franchise tax benefits.

Discontinued Operations

Discontinued operations primarily includes the impairments recorded related to the sale of the Commercial Renewables business along with the operating results from Duke Energy's Commercial Renewables business. In November 2022, the company announced it had initiated a sale process of the Commercial Renewables business. The sales of the utility-scale solar and wind assets as well as the distributed generation assets closed in October 2023, completing the company's transition to a fully regulated utility.

For the fourth quarter of 2023, Duke Energy's GAAP reported Loss From Discontinued Operations, net of tax, includes an impairment loss on the sale of the Commercial Renewables business and other transaction costs.

Effective tax rate

Duke Energy's consolidated reported effective tax rate for the fourth quarter of 2023 was 9.7% compared to 0.5% in the fourth quarter of 2022. The increase was primarily due to a decrease in the amortization of excess deferred taxes and regulatory settlement charges in the prior year.

The effective tax rate including impacts of noncontrolling interests and preferred dividends and excluding special items for the fourth quarter of 2023 was 10.5% compared to the effective tax rate including impacts of noncontrolling interests and preferred dividends and excluding special items of 8.4% in the fourth quarter of 2022. The increase was primarily due to a decrease in the amortization of excess deferred taxes.

The tables at the end of this news release present a reconciliation of the reported effective tax rate to the effective tax rate including noncontrolling interests and preferred dividends and excluding special items.

Earnings conference call for analysts

An earnings conference call for analysts is scheduled from 10 to 11 a.m. ET today to discuss fourth-quarter and year-end 2023 financial results and other business and financial updates. The conference call will be hosted by Lynn Good, chair, president and chief executive officer, and Brian Savoy, executive vice president and chief financial officer.

The call can be accessed via the investors' section (duke-energy.com/investors) of Duke Energy’s website or by dialing 833.470.1428 in the United States or 929.526.1599 outside the United States. The confirmation code is 616981. Please call in 10 to 15 minutes prior to the scheduled start time.

A replay of the conference call will be available on the investors' section of the company's website on February 9.

Special Items and Non-GAAP Reconciliation

The following tables present a reconciliation of GAAP reported to adjusted earnings per share for fourth-quarter and full-year 2023 and 2022 financial results:

(In millions, except per share amounts)	**After-Tax Amount**	**4Q 2023 EPS**	**4Q 2022 EPS**
Earnings (Loss) per Share, as reported		**$ 1.27**	$ (0.86)
Adjustments to reported EPS:			
Fourth Quarter 2023			
Regulatory matters	**$ (20)**	**(0.03)**	
Organizational optimization	**95**	**0.13**	
Discontinued operations	**108**	**0.14**	
Fourth Quarter 2022			
Workplace and workforce realignment	$ 105		0.14
Regulatory matters and litigation	138		0.17
Discontinued operations	1,276		1.66
Total adjustments		**$ 0.24**	$ 1.97
EPS, adjusted		**$ 1.51**	$ 1.11

(In millions, except per share amounts)	**After-Tax Amount**	**Full-Year 2023 EPS**	**Full-Year 2022 EPS**
EPS, as reported		**$ 3.54**	$ 3.17
Adjustments to reported EPS:			
Full-Year 2023			
Regulatory matters	**$ 64**	**0.08**	
Organizational optimization	**95**	**0.13**	
Discontinued operations	**1,391**	**1.81**	
Full-Year 2022			
Workforce and workplace realignment	$ 105		0.14
Regulatory matters and litigation	295		0.39
Discontinued operations	1,216		1.57
Total adjustments		**$ 2.02**	$ 2.10
EPS, adjusted		**$ 5.56**	$ 5.27

Non-GAAP financial measures

Management evaluates financial performance in part based on non-GAAP financial measures, including adjusted earnings, adjusted EPS and effective tax rate including impacts of noncontrolling interests and preferred dividends and excluding special items. Adjusted earnings and adjusted EPS represent income (loss) from continuing operations available to Duke Energy Corporation common stockholders in dollar and per share amounts, adjusted for the dollar and per share impact of special items. The effective tax rate including impacts of noncontrolling interests and preferred dividends and excluding special items is calculated using pretax earnings and income tax expense, both as adjusted for the impact of noncontrolling interests, preferred dividends and special items. As discussed below, special items include certain charges and credits, which management believes are not indicative of Duke Energy's ongoing performance.

Management uses these non-GAAP financial measures for planning and forecasting, and for reporting financial results to the Board of Directors, employees, stockholders, analysts and investors. The most directly comparable GAAP measures for adjusted earnings, adjusted EPS and effective tax rate including impacts of noncontrolling interests and preferred dividends and excluding special items are Net Income (Loss) Available to Duke Energy Corporation common stockholders (GAAP reported earnings (loss)), Basic earnings (loss) per share Available to Duke Energy Corporation common stockholders (GAAP reported earnings (loss) per share), and the reported effective tax rate, respectively.

Special items included in the periods presented include the following items, which management believes do not reflect ongoing costs:

- Regulatory matters primarily represents net impairment charges related to Duke Energy Carolinas' and Duke Energy Progress' North Carolina rate case orders.
- Organizational optimization represents costs associated with strategic repositioning to a fully regulated utility.
- Workplace and workforce realignment represents costs attributable to business transformation, including long-term real estate strategy changes and workforce reduction.
- Regulatory matters and litigation represents the net impact of charges related to the Indiana court rulings on coal ash and other unrelated ongoing litigation.

Due to the forward-looking nature of any forecasted adjusted earnings guidance, information to reconcile this non-GAAP financial measure to the most directly comparable GAAP financial measure is not available at this time, as management is unable to project all special items for future periods (such as legal settlements, the impact of regulatory orders or asset impairments).

Management evaluates segment performance based on segment income (loss) and other net loss. Segment income (loss) is defined as income (loss) from continuing operations net of income attributable to noncontrolling interests and preferred stock dividends. Segment income (loss) includes intercompany revenues and expenses that are eliminated in the Condensed Consolidated Financial Statements. Management also uses adjusted segment income (loss) as a measure of historical and anticipated future segment performance. Adjusted segment income (loss) is a non-GAAP financial measure, as it is based upon segment income (loss) adjusted for special items, which are discussed above. Management believes the presentation of adjusted segment income (loss) provides useful information to investors, as it provides them with an additional relevant comparison of a segment's performance across periods. The most directly comparable GAAP measure for adjusted segment income or adjusted other net loss is segment income (loss) and other net loss.

Due to the forward-looking nature of any forecasted adjusted segment income or adjusted other net loss and any related growth rates for future periods, information to reconcile these non-GAAP financial measures to the most directly comparable GAAP financial measures is not available at this time, as the company is unable to forecast all special items, as discussed above.

Duke Energy's adjusted earnings, adjusted EPS and adjusted segment income may not be comparable to similarly titled measures of another company because other companies may not calculate the measures in the same manner.

Duke Energy

Duke Energy (NYSE: DUK), a Fortune 150 company headquartered in Charlotte, N.C., is one of America's largest energy holding companies. Its electric utilities serve 8.2 million customers in North Carolina, South Carolina, Florida, Indiana, Ohio and Kentucky, and collectively own 50,000 megawatts of energy capacity. Its natural gas unit serves 1.6 million customers in North Carolina, South Carolina, Tennessee, Ohio and Kentucky. The company employs 27,600 people.

Duke Energy is executing an aggressive clean energy transition to achieve its goals of net-zero methane emissions from its natural gas business by 2030 and net-zero carbon emissions from electricity generation by 2050. The company has interim carbon emission targets of at least 50% reduction from electric generation by 2030, 50% for Scope 2 and certain Scope 3 upstream and downstream emissions by 2035, and 80% from electric generation by 2040. In addition, the company is investing in major electric grid enhancements and energy storage and exploring zero-emission power generation technologies such as hydrogen and advanced nuclear.

Duke Energy was named to Fortune's 2023 “World's Most Admired Companies” list and Forbes' “America's Best Employers” list. More information is available at duke-energy.com. The Duke Energy News Center contains news releases, fact sheets, photos and videos. Duke Energy's illumination features stories about people, innovations, community topics and environmental issues. Follow Duke Energy on Twitter, LinkedIn, Instagram and Facebook.

Forward-Looking Information

This document includes forward-looking statements within the meaning of Section 27A of the Securities Act of 1933 and Section 21E of the Securities Exchange Act of 1934. Forward-looking statements are based on management's beliefs and assumptions and can often be identified by terms and phrases that include "anticipate," "believe," "intend," "estimate," "expect," "continue," "should," "could," "may," "plan," "project," "predict," "will," "potential," "forecast," "target," "guidance," "outlook" or other similar terminology. Various factors may cause actual results to be materially different than the suggested outcomes within forward-looking statements; accordingly, there is no assurance that such results will be realized. These factors include, but are not limited to:

- The ability to implement our business strategy, including our carbon emission reduction goals;
- State, federal and foreign legislative and regulatory initiatives, including costs of compliance with existing and future environmental requirements, including those related to climate change, as well as rulings that affect cost and investment recovery or have an impact on rate structures or market prices;
- The extent and timing of costs and liabilities to comply with federal and state laws, regulations and legal requirements related to coal ash remediation, including amounts for required closure of certain ash impoundments, are uncertain and difficult to estimate;
- The ability to recover eligible costs, including amounts associated with coal ash impoundment retirement obligations, asset retirement and construction costs related to carbon emissions reductions, and costs related to significant weather events, and to earn an adequate return on investment through rate case proceedings and the regulatory process;
- The costs of decommissioning nuclear facilities could prove to be more extensive than amounts estimated and all costs may not be fully recoverable through the regulatory process;
- The impact of extraordinary external events, such as the pandemic health event resulting from COVID-19, and their collateral consequences, including the disruption of global supply chains or the economic activity in our service territories;
- Costs and effects of legal and administrative proceedings, settlements, investigations and claims;
- Industrial, commercial and residential growth or decline in service territories or customer bases resulting from sustained downturns of the economy, reduced customer usage due to cost pressures from inflation or fuel costs, and the economic health of our service territories or variations in customer usage patterns, including energy efficiency efforts, natural gas building and appliance electrification, and use of alternative energy sources, such as self-generation and distributed generation technologies;
- Federal and state regulations, laws and other efforts designed to promote and expand the use of energy efficiency measures, natural gas electrification, and distributed generation technologies, such as private solar and battery storage, in Duke Energy service territories could result in a reduced number of customers, excess generation resources as well as stranded costs;
- Advancements in technology;
- Additional competition in electric and natural gas markets and continued industry consolidation;
- The influence of weather and other natural phenomena on operations, including the economic, operational and other effects of severe storms, hurricanes, droughts, earthquakes and tornadoes, including extreme weather associated with climate change;
- Changing investor, customer and other stakeholder expectations and demands including heightened emphasis on environmental, social and governance concerns and costs related thereto;
- The ability to successfully operate electric generating facilities and deliver electricity to customers including direct or indirect effects to the company resulting from an incident that affects the U.S. electric grid or generating resources;
- Operational interruptions to our natural gas distribution and transmission activities;
- The availability of adequate interstate pipeline transportation capacity and natural gas supply;
- The impact on facilities and business from a terrorist or other attack, war, vandalism, cybersecurity threats, data security breaches, operational events, information technology failures or other catastrophic events, such as fires, explosions, pandemic health events or other similar occurrences;

- The inherent risks associated with the operation of nuclear facilities, including environmental, health, safety, regulatory and financial risks, including the financial stability of third-party service providers;
- The timing and extent of changes in commodity prices and interest rates and the ability to recover such costs through the regulatory process, where appropriate, and their impact on liquidity positions and the value of underlying assets;
- The results of financing efforts, including the ability to obtain financing on favorable terms, which can be affected by various factors, including credit ratings, interest rate fluctuations, compliance with debt covenants and conditions, an individual utility's generation mix, and general market and economic conditions;
- Credit ratings of the Duke Energy Registrants may be different from what is expected;
- Declines in the market prices of equity and fixed-income securities and resultant cash funding requirements for defined benefit pension plans, other post-retirement benefit plans and nuclear decommissioning trust funds;
- Construction and development risks associated with the completion of the Duke Energy Registrants' capital investment projects, including risks related to financing, timing and receipt of necessary regulatory approvals, obtaining and complying with terms of permits, meeting construction budgets and schedules and satisfying operating and environmental performance standards, as well as the ability to recover costs from customers in a timely manner, or at all;
- Changes in rules for regional transmission organizations, including changes in rate designs and new and evolving capacity markets, and risks related to obligations created by the default of other participants;
- The ability to control operation and maintenance costs;
- The level of creditworthiness of counterparties to transactions;
- The ability to obtain adequate insurance at acceptable costs;
- Employee workforce factors, including the potential inability to attract and retain key personnel;
- The ability of subsidiaries to pay dividends or distributions to Duke Energy Corporation holding company (the Parent);
- The performance of projects undertaken by our businesses and the success of efforts to invest in and develop new opportunities;
- The effect of accounting and reporting pronouncements issued periodically by accounting standard-setting bodies and the SEC;
- The impact of U.S. tax legislation to our financial condition, results of operations or cash flows and our credit ratings;
- The impacts from potential impairments of goodwill or equity method investment carrying values;
- Asset or business acquisitions and dispositions may not yield the anticipated benefits; and
- The actions of activist shareholders could disrupt our operations, impact our ability to execute on our business strategy or cause fluctuations in the trading price of our common stock.

Additional risks and uncertainties are identified and discussed in the Duke Energy Registrants' reports filed with the SEC and available at the SEC's website at sec.gov. In light of these risks, uncertainties and assumptions, the events described in the forward-looking statements might not occur or might occur to a different extent or at a different time than described. Forward-looking statements speak only as of the date they are made and the Duke Energy Registrants expressly disclaim an obligation to publicly update or revise any forward-looking statements, whether as a result of new information, future events or otherwise.

DUKE ENERGY CORPORATION
REPORTED TO ADJUSTED EARNINGS RECONCILIATION
Three Months Ended December 31, 2023
(Dollars in millions, except per share amounts)

		Special Items				
	Reported Earnings	Regulatory Matters	Organizational Optimization	Discontinued Operations	Total Adjustments	Adjusted Earnings
SEGMENT INCOME (LOSS)						
Electric Utilities and Infrastructure	**$ 1,135**	$ (20) **A**	**$ —**	$ —	$ (20)	$ 1,115
Gas Utilities and Infrastructure	**192**	—	**—**	—	—	192
Total Reportable Segment Income	**1,327**	**(20)**	**—**	**—**	**(20)**	**1,307**
Other	**(228)**		**95 B**	—	95	(133)
Discontinued Operations	**$ (108)**	—	—	108 **C**	108	—
Net Income Available to Duke Energy Corporation Common Stockholders	**$ 991**	**$ (20)**	**$ 95**	**$ 108**	**$ 183**	**$ 1,174**
EPS AVAILABLE TO DUKE ENERGY CORPORATION COMMON STOCKHOLDERS	**$ 1.27**	**$ (0.03)**	**$ 0.13**	**$ 0.14**	**$ 0.24**	**$ 1.51**

Note: Earnings Per Share amounts are adjusted for accumulated dividends for Series B Preferred Stock of $(0.02).

A – Net of $7 million tax expense.

- $27 million reversal recorded within Impairment of assets and other charges on the Duke Energy Carolinas' Consolidated Statements of Operations primarily related to the North Carolina rate case order.

B – Net of $29 million tax benefit. $110 million recorded within Operations, maintenance and other and $14 million within Impairment of assets and other charges on the Consolidated Statements of Operations primarily related to strategic repositioning to a fully regulated utility.

C – Recorded in Loss from Discontinued Operations, net of tax, and Net (Income) Loss Attributable to Noncontrolling Interests on the Consolidated Statements of Operations.

Weighted Average Shares (reported and adjusted) – 771 million

DUKE ENERGY CORPORATION
REPORTED TO ADJUSTED EARNINGS RECONCILIATION
Year Ended December 31, 2023
(Dollars in millions, except per share amounts)

	Reported Earnings	Special Items: Regulatory Matters		Special Items: Organizational Optimization		Discontinued Operations		Total Adjustments	Adjusted Earnings
SEGMENT INCOME (LOSS)									
Electric Utilities and Infrastructure	**$ 4,223**	$ 64	**A**	$ —		$ —		$ 64	$ 4,287
Gas Utilities and Infrastructure	**519**	—		—		—		—	519
Total Reportable Segment Income	**4,742**	**64**		**—**		**—**		**64**	**4,806**
Other	**(616)**	—		95	**B**	—		95	(521)
Discontinued Operations	**(1,391)**	—		—		1,391	**C**	1,391	—
Net Income Available to Duke Energy Corporation Common Stockholders	**$ 2,735**	**$ 64**		**$ 95**		**$ 1,391**		**$ 1,550**	**$ 4,285**
EPS AVAILABLE TO DUKE ENERGY CORPORATION COMMON STOCKHOLDERS	**$ 3.54**	**$ 0.08**		**$ 0.13**		**$ 1.81**		**$ 2.02**	**$ 5.56**

A – Net of $10 million tax benefit at Duke Energy Carolinas and $10 million tax benefit at Duke Energy Progress.

- $35 million recorded within Impairment of assets and other charges and $8 million within Operations, maintenance and other on the Duke Energy Carolinas' Consolidated Statements of Operations primarily related to the North Carolina rate case order.
- $33 million recorded within Impairment of assets and other charges and $8 million within Operations, maintenance and other on the Duke Energy Progress' Consolidated Statements of Operations primarily related to the North Carolina rate case order.

B – Net of $29 million tax benefit. $110 million recorded within Operations, maintenance and other and $14 million within Impairment of assets and other charges on the Consolidated Statements of Operations primarily related to strategic repositioning to a fully regulated utility.

C – Recorded in Loss from Discontinued Operations, net of tax, and Net (Income) Loss Attributable to Noncontrolling Interests on the Consolidated Statements of Operations.

Weighted Average Shares (reported and adjusted) – 771 million

DUKE ENERGY CORPORATION
REPORTED TO ADJUSTED EARNINGS RECONCILIATION
Three Months Ended December 31, 2022
(Dollars in millions, except per share amounts)

		Special Items				
	Reported Earnings	Regulatory Matters and Litigation	Workplace and Workforce Realignment	Discontinued Operations	Total Adjustments	Adjusted Earnings
SEGMENT INCOME (LOSS)						
Electric Utilities and Infrastructure	**$ 692**	$ 119 **A**	—	$ —	$ 119	$ 811
Gas Utilities and Infrastructure	**191**	—	—	—	—	191
Total Reportable Segment Income	**883**	**119**	**—**	**—**	**119**	**1,002**
Other	**(257)**	19 **B**	105 **C**	—	124	(133)
Intercompany Eliminations	**1**	—	—	$ (1)	(1)	—
Discontinued Operations	**(1,277)**	—	—	1,277 **D**	1,277	—
Net Income Available to Duke Energy Corporation Common Stockholders	**$ (650)**	**$ 138**	**$ 105**	**$ 1,276**	**$ 1,519**	**$ 869**
EPS AVAILABLE TO DUKE ENERGY CORPORATION COMMON STOCKHOLDERS	**$ (0.86)**	**$ 0.17**	**$ 0.14**	**$ 1.66**	**$ 1.97**	**$ 1.11**

Note: Earnings Per Share amounts are adjusted for accumulated dividends for Series B Preferred Stock of $(0.02).

A – Net of $42 million tax benefit. $175 million recorded within Impairment of assets and other charges and $14 million within Noncontrolling Interests related to the Duke Energy Indiana court ruling on the Consolidated Statements of Operations.

B – Net of $6 million tax benefit. $25 million recorded within Operations, maintenance and other related to litigation on the Consolidated Statements of Operations.

C – Net of $31 million tax benefit. $72 million recorded within Impairment of assets and other charges, $71 million recorded within Operations, maintenance and other and a $7 million gain recorded in Gains on sales of other assets and other related to costs attributable to business transformation, including long-term real estate strategy changes and workforce realignment on the Consolidated Statements of Operations.

D – Recorded in Loss from Discontinued Operations, net of tax, and Net (Income) Loss Attributable to Noncontrolling Interests on the Consolidated Statements of Operations.

Weighted Average Shares (reported and adjusted) – 770 million

DUKE ENERGY CORPORATION
REPORTED TO ADJUSTED EARNINGS RECONCILIATION
Year Ended December 31, 2022
(Dollars in millions, except per share amounts)

		Special Items				
	Reported Earnings	Regulatory Matters and Litigation	Workplace and Workforce Realignment	Discontinued Operations	Total Adjustments	Adjusted Earnings
SEGMENT INCOME (LOSS)						
Electric Utilities and Infrastructure	**$ 3,929**	$ 276 **A**	$ —	$ —	$ 276	$ 4,205
Gas Utilities and Infrastructure	**468**		—	—	—	468
Total Reportable Segment Income	**4,397**	**276**	**—**	**—**	**276**	**4,673**
Other	**(737)**	19 **B**	105 **C**	—	124	(613)
Intercompany Eliminations	**(1)**	—	—	1	1	—
Discontinued Operations	**(1,215)**	—	—	1,215 **D**	1,215	—
Net Income Available to Duke Energy Corporation Common Stockholders	**$ 2,444**	**$ 295**	**$ 105**	**$ 1,216**	**$ 1,616**	**$ 4,060**
EPS AVAILABLE TO DUKE ENERGY CORPORATION COMMON STOCKHOLDERS	**$ 3.17**	**$ 0.39**	**$ 0.14**	**$ 1.57**	**$ 2.10**	**$ 5.27**

A – Net of $122 million tax benefit. $386 million recorded within Impairment of assets and other charges, $46 million within Regulated electric (Operating revenues) and $34 million within Noncontrolling Interests related to the Duke Energy Indiana court rulings on the Consolidated Statements of Operations.

B – Net of $6 million tax benefit. $25 million recorded within Operations, maintenance and other related to litigation on the Consolidated Statements of Operations.

C – Net of $31 million tax benefit. $72 million recorded within Impairment of assets and other charges, $71 million recorded within Operations, maintenance and other and a $7 million gain recorded in Gains on sales of other assets and other related to costs attributable to business transformation, including long-term real estate strategy changes and workforce realignment on the Consolidated Statements of Operations.

D – Recorded in Loss from Discontinued Operations, net of tax, and Net (Income) Loss Attributable to Noncontrolling Interests on the Consolidated Statements of Operations.

Weighted Average Shares (reported and adjusted) – 770 million

DUKE ENERGY CORPORATION
EFFECTIVE TAX RECONCILIATION
December 2023
(Dollars in millions)

	Three Months Ended December 31, 2023		Year Ended December 31, 2023	
	Balance	**Effective Tax Rate**	**Balance**	**Effective Tax Rate**
Reported Income Before Income Taxes From Continuing Operations Before Income Taxes	$ 1,257		$ 4,767	
Regulatory Matters	(27)		84	
Organizational Optimization	124		124	
Noncontrolling Interests	(29)		(121)	
Preferred Dividends	(14)		(106)	
Pretax Income Including Noncontrolling Interests and Preferred Dividends and Excluding Special Items	$ 1,311		$ 4,748	
Reported Income Tax Expense From Continuing Operations	$ 122	9.7 %	$ 438	9.2 %
Regulatory Matters	(7)		20	
Organizational Optimization	29		29	
Noncontrolling interest portion of income taxes[(a)]	(7)		(24)	
Tax Expense Including Noncontrolling Interests and Preferred Dividends and Excluding Special Items	$ 137	10.5 %	$ 463	9.8 %

	Three Months Ended December 31, 2022		Year Ended December 31, 2022	
	Balance	**Effective Tax Rate**	**Balance**	**Effective Tax Rate**
Reported Income From Continuing Operations Before Income Taxes	$ 638		$ 4,078	
Regulatory Settlements	200		457	
Workplace and Workforce Realignment	136		136	
Noncontrolling Interests	(11)		(56)	
Preferred Dividends	(14)		(106)	
Pretax Income Including Noncontrolling Interests and Preferred Dividends and Excluding Special Items	$ 949		$ 4,509	
Reported Income Tax Expense From Continuing Operations	$ 3	0.5 %	$ 300	7.4 %
Regulatory Matters and Litigation	48		128	
Workplace and Workforce Realignment	31		31	
Noncontrolling interest portion of income taxes[(a)]	(2)		(10)	
Tax Expense Including Noncontrolling Interests and Preferred Dividends and Excluding Special Items	$ 80	8.4 %	$ 449	10.0 %

(a) Income tax related to non-pass-through entities for tax purposes.

DUKE ENERGY CORPORATION
EARNINGS VARIANCES
December 2023 QTD vs. Prior Year

(Dollars per share)	Electric Utilities and Infrastructure	Gas Utilities and Infrastructure	Other	Discontinued Operations	Consolidated
2022 QTD Reported Earnings Per Share	**$ 0.90**	**$ 0.25**	**$ (0.35)**	**$ (1.66)**	**$ (0.86)**
Workplace and Workforce Realignment	—	—	0.14	—	0.14
Regulatory Matters and Litigation	0.15	—	0.02	—	0.17
Discontinued Operations	—	—	—	1.66	1.66
2022 QTD Adjusted Earnings Per Share	**$ 1.05**	**$ 0.25**	**$ (0.19)**	**$ —**	**$ 1.11**
Weather	(0.05)	—	—	—	(0.05)
Volume	0.04	—	—	—	0.04
Riders and Other Retail Margin[(a)]	0.08	0.01	—	—	0.09
Rate case impacts, net[(b)]	0.13	—	—	—	0.13
Wholesale[(c)]	0.04	—	—	—	0.04
Operations and maintenance, net of recoverables[(d)]	0.16	—	—	—	0.16
Interest Expense[(e)]	(0.07)	(0.01)	(0.05)	—	(0.13)
Depreciation and amortization[(e)]	(0.06)	—	—	—	(0.06)
Other[(f)]	0.13	—	0.05	—	0.18
Total variance	$ 0.40	$ —	$ —	$ —	$ 0.40
2023 QTD Adjusted Earnings Per Share	**$ 1.45**	**$ 0.25**	**$ (0.19)**	**$ —**	**$ 1.51**
Organizational Optimization	—	—	(0.13)	—	(0.13)
Regulatory Matters	0.03	—	—	—	0.03
Discontinued Operations	—	—	—	(0.14)	(0.14)
2023 QTD Reported Earnings Per Share	**$ 1.48**	**$ 0.25**	**$ (0.32)**	**$ (0.14)**	**$ 1.27**

Note: Earnings Per Share amounts are calculated using the consolidated statutory income tax rate for all drivers. Weighted average shares outstanding increased from 770 million shares to 771 million.

(a) Electric Utilities and Infrastructure includes riders and transmission revenues (+$0.04) and favorable fuel and purchased power (+$0.02).
(b) Electric Utilities and Infrastructure includes impacts from the Duke Energy Progress (DEP) South Carolina rates, effective April 2023 and DEP North Carolina interim rates, effective June 2023 (+$0.05), Duke Energy Florida (DEF) multiyear rate plan including DOE nuclear fuel storage funding (+$0.04), Duke Energy Carolinas (DEC) North Carolina interim rates, effective September 2023, (+$0.03) and Duke Energy Ohio (DEO) and Duke Energy Kentucky (DEK) rates, effective January 2023 and October 2023, respectively (+$0.01). Per the 2021 Settlement, DEF is permitted to recognize into earnings a total of $173 million through the approved settlement period, while also remaining within the approved return on equity band.
(c) Primarily due to higher capacity rates.
(d) Electric Utilities and Infrastructure is primarily due to lower costs as a result of cost management initiatives, lower customer experience and solutions costs and lower storm costs.
(e) Electric Utilities and Infrastructure excludes rate case impacts.
(f) Electric Utilities and Infrastructure includes lower tax expense. Other primarily includes franchise tax benefits.

DUKE ENERGY CORPORATION
EARNINGS VARIANCES
December 2023 YTD vs. Prior Year

(Dollars per share)	Electric Utilities and Infrastructure	Gas Utilities and Infrastructure	Other	Discontinued Operations	Consolidated
2022 YTD Reported Earnings Per Share	**$ 5.09**	**$ 0.61**	**$ (0.96)**	**$ (1.57)**	**$ 3.17**
Regulatory Matters and Litigation	0.37		0.02	—	0.39
Workplace and Workforce Realignment	—	—	0.14	—	0.14
Discontinued Operations	—	—	—	1.57	1.57
2022 YTD Adjusted Earnings Per Share	**$ 5.46**	**$ 0.61**	**$ (0.80)**	**$ —**	**$ 5.27**
Weather	(0.34)	—	—	—	(0.34)
Volume	(0.17)	—	—	—	(0.17)
Riders and Other Retail Margin[(a)]	0.36	0.08	—	—	0.44
Rate case impacts, net[(b)]	0.35		—	—	0.35
Wholesale	(0.01)	—	—	—	(0.01)
Operations and maintenance, net of recoverables[(c)]	0.35	0.02	—	—	0.37
Interest Expense[(d)]	(0.30)	(0.03)	(0.28)	—	(0.61)
AFUDC Equity	(0.01)	—	—	—	(0.01)
Depreciation and amortization[(d)]	(0.17)	(0.01)	—	—	(0.18)
Other[(e)]	0.04	0.01	0.40	—	0.45
Total variance	$ 0.10	$ 0.07	$ 0.12	$ —	$ 0.29
2023 YTD Adjusted Earnings Per Share	**$ 5.56**	**$ 0.68**	**$ (0.68)**	**$ —**	**$ 5.56**
Organizational Optimization	—	—	(0.13)	—	(0.13)
Regulatory Matters	(0.08)	—	—	—	(0.08)
Discontinued Operations	—	—	—	(1.81)	(1.81)
2023 YTD Reported Earnings Per Share	**$ 5.48**	**$ 0.68**	**$ (0.81)**	**$ (1.81)**	**$ 3.54**

Note: Earnings Per Share amounts are calculated using the consolidated statutory income tax rate for all drivers. Weighted average shares outstanding increased from 770 million shares to 771 million.

(a) Electric Utilities and Infrastructure includes riders and transmission revenues (+$0.13), favorable fuel and purchased power (+$0.12) and revenues from customer programs (+$0.05).
(b) Electric Utilities and Infrastructure includes impacts from the DEF multiyear rate plan (+$0.06), DOE nuclear fuel storage funding at DEF (+$0.14), DEP South Carolina rates, effective April 2023 and DEP North Carolina interim rates, effective June 2023 (+$0.10), DEC North Carolina interim rates, effective September 2023, (+$0.03) and DEO and DEK rates, effective January 2023 and October 2023, respectively (+$0.02). Per the 2021 Settlement, DEF is permitted to recognize into earnings a total of $173 million through the approved settlement period, while also remaining within the approved return on equity band.
(c) Electric Utilities and Infrastructure is primarily due to lower costs as a result of cost management initiatives, lower customer experience and solutions costs and lower storm costs.
(d) Electric Utilities and Infrastructure excludes rate case impacts.
(e) Other includes a favorable adjustment related to certain allowable tax deductions (+$0.16), higher returns on investments (+$0.16) and franchise tax benefits.

DUKE ENERGY CORPORATION
CONSOLIDATED STATEMENTS OF OPERATIONS
(Unaudited)
(In millions, except per share amounts)

	Years Ended December 31, 2023	2022	2021
Operating Revenues			
Regulated electric	**$ 26,617**	$ 25,759	$ 22,319
Regulated natural gas	**2,152**	2,724	2,008
Nonregulated electric and other	**291**	285	294
Total operating revenues	**29,060**	28,768	24,621
Operating Expenses			
Fuel used in electric generation and purchased power	**9,086**	8,782	6,255
Cost of natural gas	**593**	1,276	705
Operation, maintenance and other	**5,625**	5,734	5,703
Depreciation and amortization	**5,253**	5,086	4,762
Property and other taxes	**1,400**	1,466	1,355
Impairment of assets and other charges	**85**	434	353
Total operating expenses	**22,042**	22,778	19,133
Gains on Sales of Other Assets and Other, net	**52**	22	12
Operating Income	**7,070**	6,012	5,500
Other Income and Expenses			
Equity in earnings of unconsolidated affiliates	**113**	113	62
Other income and expenses, net	**598**	392	636
Total other income and expenses	**711**	505	698
Interest Expense	**3,014**	2,439	2,207
Income From Continuing Operations Before Income Taxes	**4,767**	4,078	3,991
Income Tax Expense From Continuing Operations	**438**	300	268
Income From Continuing Operations	**4,329**	3,778	3,723
Loss From Discontinued Operations, net of tax	**(1,455)**	(1,323)	(144)
Net Income	**2,874**	2,455	3,579
Add: Net (Income) Loss Attributable to Noncontrolling Interests	**(33)**	95	329
Net Income Attributable to Duke Energy Corporation	**2,841**	2,550	$ 3,908
Less: Preferred Dividends	**106**	106	106
Net Income Available to Duke Energy Corporation Common Stockholders	**$ 2,735**	$ 2,444	$ 3,802
Earnings Per Share – Basic and Diluted			
Income from continuing operations available to Duke Energy Corporation common stockholders			
Basic and Diluted	**$ 5.35**	$ 4.74	$ 4.68
(Loss) Income from discontinued operations attributable to Duke Energy Corporation common stockholders			
Basic and Diluted	**$ (1.81)**	$ (1.57)	$ 0.26
Net income available to Duke Energy Corporation common stockholders			
Basic and Diluted	**$ 3.54**	$ 3.17	$ 4.94
Weighted average shares outstanding			
Basic and Diluted	**771**	770	769

DUKE ENERGY CORPORATION
CONSOLIDATED BALANCE SHEETS
(Unaudited)

(In millions)	December 31, 2023	December 31, 2022
ASSETS		
Current Assets		
Cash and cash equivalents	$ 253	$ 409
Receivables (net of allowance for doubtful accounts of $55 at 2023 and $40 at 2022)	1,112	1,309
Receivables of VIEs (net of allowance for doubtful accounts of $150 at 2023 and $176 at 2022)	3,019	3,106
Inventory (includes $462 at 2023 related to VIEs)	4,292	3,584
Regulatory assets (includes $110 at 2023 and $106 at 2022 related to VIEs)	3,648	3,485
Assets held for sale	14	356
Other (includes $90 at 2023 and $116 at 2022 related to VIEs)	431	973
Total current assets	12,769	13,222
Property, Plant and Equipment		
Cost	171,351	163,839
Accumulated depreciation and amortization	(56,038)	(52,100)
Facilities to be retired, net	2	9
Net property, plant and equipment	115,315	111,748
Other Noncurrent Assets		
Goodwill	19,303	19,303
Regulatory assets (includes $1,642 at 2023 and $1,715 at 2022 related to VIEs)	13,618	14,645
Nuclear decommissioning trust funds	10,143	8,637
Operating lease right-of-use assets, net	1,092	1,042
Investments in equity method unconsolidated affiliates	492	455
Assets held for sale	197	5634
Other (includes $49 at 2023 and $52 at 2022 related to VIEs)	3,964	3,400
Total other noncurrent assets	48,809	53,116
Total Assets	$ 176,893	$ 178,086
LIABILITIES AND EQUITY		
Current Liabilities		
Accounts payable (includes $188 at 2023 related to VIEs)	$ 4,228	$ 4,754
Notes payable and commercial paper	4,288	3,952
Taxes accrued	816	722
Interest accrued	745	626
Current maturities of long-term debt (includes $428 at 2023 and $350 at 2022 related to VIEs)	2,800	3,878
Asset retirement obligations	596	773
Regulatory liabilities	1,369	1,466
Liabilities associated with assets held for sale	122	535
Other	2,319	2,167
Total current liabilities	17,283	18,873
Long-Term Debt (includes $3,000 at 2023 and $3,108 at 2022 related to VIEs)	72,452	65,873
Other Noncurrent Liabilities		
Deferred income taxes	10,556	9,964
Asset retirement obligations	8,560	11,955
Regulatory liabilities	14,039	13,582
Operating lease liabilities	917	876
Accrued pension and other post-retirement benefit costs	485	832
Investment tax credits	864	849
Liabilities associated with assets held for sale	157	1927
Other (includes $35 at 2023 related to VIEs)	1,393	1,502
Total other noncurrent liabilities	36,971	41,487
Commitments and Contingencies		
Equity		
Preferred stock, Series A, $0.001 par value, 40 million depositary shares authorized and outstanding at 2023 and 2022	973	973
Preferred stock, Series B, $0.001 par value, 1 million shares authorized and outstanding at 2023 and 2022	989	989
Common Stock, $0.001 par value, 2 billion shares authorized; 771 million and 770 million shares outstanding at 2023 and 2022	1	1
Additional paid-in capital	44,920	44,862
Retained earnings	2,235	2,637
Accumulated other comprehensive loss	(6)	(140)
Total Duke Energy Corporation stockholders' equity	49,112	49,322
Noncontrolling interests	1,075	2,531
Total equity	50,187	51,853
Total Liabilities and Equity	$ 176,893	$ 178,086

DUKE ENERGY CORPORATION
CONDENSED CONSOLIDATED STATEMENTS OF CASH FLOWS
(Unaudited)
(In millions)

	Years Ended December 31,		
	2023	**2022**	**2021**
CASH FLOWS FROM OPERATING ACTIVITIES			
Net Income	**$ 2,874**	$ 2,455	$ 3,579
Adjustments to reconcile net income to net cash provided by operating activities	**6,914**	3,472	4,711
Net cash provided by operating activities	**9,788**	5,927	8,290
CASH FLOWS FROM INVESTING ACTIVITIES			
Net cash used in investing activities	**(12,475)**	(11,973)	(10,935)
CASH FLOWS FROM FINANCING ACTIVITIES			
Net cash provided by financing activities	**2,441**	6,129	2,609
Net (decrease) increase in cash, cash equivalents and restricted cash	**(246)**	83	(36)
Cash, cash equivalents and restricted cash at beginning of period	**603**	520	556
Cash, cash equivalents and restricted cash at end of period	**$ 357**	$ 603	$ 520

DUKE ENERGY CORPORATION
CONSOLIDATING STATEMENTS OF OPERATIONS
(Unaudited)

	Three Months Ended December 31, 2023				
(In millions)	**Electric Utilities and Infrastructure**	**Gas Utilities and Infrastructure**	**Other**	**Eliminations/Adjustments**	**Duke Energy**
Operating Revenues					
Regulated electric	$ 6,495	$ —	$ —	$ (18)	**$ 6,477**
Regulated natural gas	—	677	—	(22)	**655**
Nonregulated electric and other	63	6	36	(25)	**80**
Total operating revenues	6,558	683	36	(65)	**7,212**
Operating Expenses					
Fuel used in electric generation and purchased power	2,119	—	—	(20)	**2,099**
Cost of natural gas	—	159	—	—	**159**
Operation, maintenance and other	1,301	123	133	(45)	**1,512**
Depreciation and amortization	1,191	92	64	(7)	**1,340**
Property and other taxes	243	36	(15)	—	**264**
Impairment of assets and other charges	(25)	—	14	—	**(11)**
Total operating expenses	4,829	410	196	(72)	**5,363**
(Losses) Gains on Sales of Other Assets and Other, net	(2)	1	8	(1)	**6**
Operating Income (Loss)	1,727	274	(152)	6	**1,855**
Other Income and Expenses					
Equity in earnings of unconsolidated affiliates	2	7	19	—	**28**
Other income and expenses, net	127	13	71	(44)	**167**
Total Other Income and Expenses	129	20	90	(44)	**195**
Interest Expense	486	59	287	(39)	**793**
Income (Loss) from Continuing Operations Before Income Taxes	1,370	235	(349)	1	**1,257**
Income Tax Expense (Benefit) from Continuing Operations	211	45	(135)	1	**122**
Income (Loss) from Continuing Operations	1,159	190	(214)	—	**1,135**
Less: Net Income (Loss) Attributable to Noncontrolling Interest	24	(2)	—	—	**22**
Income from Continuing Operations Attributable to Duke Energy Corporation	1,135	192	(214)	—	**1,113**
Less: Preferred Dividends	—	—	14	—	**14**
Segment Income/Other Net Loss	$ 1,135	$ 192	$ (228)	$ —	**$ 1,099**
Discontinued Operations					**(108)**
Net Income Available to Duke Energy Corporation Common Stockholders					**$ 991**
Segment Income/Other Net Loss	$ 1,135	$ 192	$ (228)	$ —	**$ 1,099**
Special Items	(20)	—	95	—	**75**
Adjusted Earnings[(a)]	$ 1,115	$ 192	$ (133)	$ —	**$ 1,174**

(a) See Reported to Adjusted Earnings Reconciliation for a detailed reconciliation of Segment Income/Other Net Loss to Adjusted Earnings.

DUKE ENERGY CORPORATION
CONSOLIDATING STATEMENTS OF OPERATIONS
(Unaudited)

	Year Ended December 31, 2023				
(In millions)	**Electric Utilities and Infrastructure**	**Gas Utilities and Infrastructure**	**Other**	**Eliminations/Adjustments**	**Duke Energy**
Operating Revenues					
Regulated electric	$ 26,685	$ —	$ —	$ (68)	**$ 26,617**
Regulated natural gas	—	2,242	—	(90)	**2,152**
Nonregulated electric and other	236	24	134	(103)	**291**
Total operating revenues	26,921	2,266	134	(261)	**29,060**
Operating Expenses					
Fuel used in electric generation and purchased power	9,164	—	—	(78)	**9,086**
Cost of natural gas	—	593	—	—	**593**
Operation, maintenance and other	5,309	455	36	(175)	**5,625**
Depreciation and amortization	4,684	349	248	(28)	**5,253**
Property and other taxes	1,320	129	(49)	—	**1,400**
Impairment of assets and other charges	75	(4)	14	—	**85**
Total operating expenses	20,552	1,522	249	(281)	**22,042**
Gains on Sales of Other Assets and Other, net	28	—	24	—	**52**
Operating Income (Loss)	6,397	744	(91)	20	**7,070**
Other Income and Expenses					
Equity in earnings of unconsolidated affiliates	7	40	66	—	**113**
Other income and expenses, net	510	66	192	(170)	**598**
Total Other Income and Expenses	517	106	258	(170)	**711**
Interest Expense	1,850	217	1,097	(150)	**3,014**
Income (Loss) from Continuing Operations Before Income Taxes	5,064	633	(930)	—	**4,767**
Income Tax Expense (Benefit) from Continuing Operations	742	116	(420)	—	**438**
Income (Loss) from Continuing Operations	4,322	517	(510)	—	**4,329**
Less: Net Income Attributable to Noncontrolling Interest	99	(2)	—	—	**97**
Income (Loss) from Continuing Operations Attributable to Duke Energy Corporation	**4,223**	**519**	**(510)**	**—**	**4,232**
Less: Preferred Dividends	—	—	106	**—**	**106**
Segment Income/Other Net Loss	$ 4,223	$ 519	$ (616)	$ —	**$ 4,126**
Discontinued Operations					**(1,391)**
Net Income Available to Duke Energy Corporation Common Stockholders					**$ 2,735**
Segment Income/Other Net Loss	$ 4,223	$ 519	$ (616)	$ —	**$ 4,126**
Special Items	64	—	95	—	**159**
Adjusted Earnings[(a)]	$ 4,287	$ 519	$ (521)	$ —	**$ 4,285**

(a) See Reported to Adjusted Earnings Reconciliation for a detailed reconciliation of Segment Income/Other Net Loss to Adjusted Earnings.

DUKE ENERGY CORPORATION
CONSOLIDATING STATEMENTS OF OPERATIONS
(Unaudited)

	Three Months Ended December 31, 2022				
(In millions)	**Electric Utilities and Infrastructure**	**Gas Utilities and Infrastructure**	**Other**	**Eliminations/Adjustments**	**Duke Energy**
Operating Revenues					
Regulated electric	$ 6,386	$ —	$ —	$ (8)	**$ 6,378**
Regulated natural gas	—	922	—	(22)	**900**
Nonregulated electric and other	62	6	31	(26)	**73**
Total operating revenues	6,448	928	31	(56)	**7,351**
Operating Expenses					
Fuel used in electric generation and purchased power	2,381	—	—	(20)	**2,361**
Cost of natural gas	—	417	—	—	**417**
Operation, maintenance and other	1,343	122	81	(35)	**1,511**
Depreciation and amortization	1,139	86	74	(6)	**1,293**
Property and other taxes	311	35	2	—	**348**
Impairment of assets and other charges	160	—	72	—	**232**
Total operating expenses	5,334	660	229	(61)	**6,162**
(Loss) Gain on Sales of Other Assets and Other, net	(5)	(3)	13	—	**5**
Operating Income (Loss)	1,109	265	(185)	5	**1,194**
Other Income and Expenses					
Equity in earnings of unconsolidated affiliates	1	6	14	—	**21**
Other income and expenses, net	85	11	56	(50)	**102**
Total Other Income and Expenses	86	17	70	(50)	**123**
Interest Expense	421	55	249	(46)	**679**
Income (Loss) from Continuing Operations Before Income Taxes	774	227	(364)	1	**638**
Income Tax Expense (Benefit) from Continuing Operations	88	36	(121)	—	**3**
Income (Loss) from Continuing Operations	686	191	(243)	1	**635**
Less: Net Income Attributable to Noncontrolling Interest	(6)	—	—	—	**(6)**
Income (Loss) from Continuing Operations Attributable to Duke Energy Corporation	692	191	(243)	1	**641**
Less: Preferred Dividends	—	—	14	—	**14**
Segment Income/Other Net Loss	$ 692	$ 191	$ (257)	$ 1	**$ 627**
Discontinued Operations					**(1,277)**
Net Income Available to Duke Energy Corporation Common Stockholders					**$ (650)**
Segment Income/Other Net Loss	$ 692	$ 191	$ (257)	$ 1	**$ 627**
Special Items	119	—	124	(1)	**242**
Adjusted Earnings[(a)]	$ 811	$ 191	$ (133)	$ —	**$ 869**

(a) See Reported to Adjusted Earnings Reconciliation for a detailed reconciliation of Segment Income/Other Net Loss to Adjusted Earnings.

DUKE ENERGY CORPORATION
CONSOLIDATING STATEMENTS OF OPERATIONS
(Unaudited)

	Year Ended December 31, 2022				
(In millions)	Electric Utilities and Infrastructure	Gas Utilities and Infrastructure	Other	Eliminations/Adjustments	Duke Energy
Operating Revenues					
Regulated electric	$ 25,790	$ —	$ 2	$ (33)	**$ 25,759**
Regulated natural gas	—	2,816	—	(92)	**2,724**
Nonregulated electric and other	234	24	120	(93)	**285**
Total operating revenues	26,024	2,840	122	(218)	**28,768**
Operating Expenses					
Fuel used in electric generation and purchased power	8,862	—	—	(80)	**8,782**
Cost of natural gas	—	1,276	—	—	**1,276**
Operation, maintenance and other	5,354	532	(23)	(129)	**5,734**
Depreciation and amortization	4,550	327	236	(27)	**5,086**
Property and other taxes	1,315	138	13	—	**1,466**
Impairment of assets and other charges	374	(12)	72	—	**434**
Total operating expenses	20,455	2,261	298	(236)	**22,778**
Gain on Sales of Other Assets and Other, net	7	1	14	—	**22**
Operating Income (Loss)	5,576	580	(162)	18	**6,012**
Other Income and Expenses					
Equity in earnings of unconsolidated affiliates	7	20	86	—	**113**
Other income and expenses, net	460	58	(21)	(105)	**392**
Total Other Income and Expenses	467	78	65	(105)	**505**
Interest Expense	1,565	182	778	(86)	**2,439**
Income (Loss) from Continuing Operations Before Income Taxes	4,478	476	(875)	(1)	**4,078**
Income Tax Expense (Benefit) from Continuing Operations	536	8	(244)	—	**300**
Income (Loss) from Continuing Operations	3,942	468	(631)	(1)	**3,778**
Less: Net Income Attributable to Noncontrolling Interest	13	—	—	—	**13**
Income (Loss) from Continuing Operations Attributable to Duke Energy Corporation	3,929	468	(631)	(1)	**3,765**
Less: Preferred Dividends	—	—	106	—	**106**
Segment Income/Other Net Loss	$ 3,929	$ 468	$ (737)	$ (1)	**$ 3,659**
Discontinued Operations					**(1,215)**
Net Income Available to Duke Energy Corporation Common Stockholders					**$ 2,444**
Segment Income/Other Net Loss	$ 3,929	$ 468	$ (737)	$ (1)	**$ 3,659**
Special Items	276	—	124	1	**401**
Adjusted Earnings[(a)]	$ 4,205	$ 468	$ (613)	$ —	**$ 4,060**

(a) See Reported to Adjusted Earnings Reconciliation for a detailed reconciliation of Segment Income/Other Net Loss to Adjusted Earnings.

DUKE ENERGY CORPORATION
CONSOLIDATING BALANCE SHEETS – ASSETS
(Unaudited)

	December 31, 2023				
(In millions)	Electric Utilities and Infrastructure	Gas Utilities and Infrastructure	Other[(a)]	Eliminations/ Adjustments	Duke Energy
Current Assets					
Cash and cash equivalents	$ 84	$ 8	$ 161	$ —	**$ 253**
Receivables, net	722	357	33	—	**1,112**
Receivables of variable interest entities, net	3,020	—	—	(1)	**3,019**
Receivables from affiliated companies	474	86	494	(1,054)	**—**
Notes receivable from affiliated companies	—	—	3,118	(3,118)	**—**
Inventory	4,130	129	33	—	**4,292**
Regulatory assets	3,355	179	114	—	**3,648**
Assets held for sale	—	—	14	—	**14**
Other	342	37	50	2	**431**
Total current assets	12,127	796	4,017	(4,171)	**12,769**
Property, Plant and Equipment					
Cost	151,893	16,623	2,921	(86)	**171,351**
Accumulated depreciation and amortization	(51,020)	(3,360)	(1,658)	—	**(56,038)**
Facilities to be retired, net	—	2	—	—	**2**
Net property, plant and equipment	100,873	13,265	1,263	(86)	**115,315**
Other Noncurrent Assets					
Goodwill	17,380	1,924	—	(1)	**19,303**
Regulatory assets	12,326	817	475	—	**13,618**
Nuclear decommissioning trust funds	10,143	—	—	—	**10,143**
Operating lease right-of-use assets, net	760	4	328	—	**1,092**
Investments in equity method unconsolidated affiliates	97	259	136	—	**492**
Investment in consolidated subsidiaries	448	7	70,211	(70,666)	**—**
Assets held for sale	—	—	197	—	**197**
Other	2,348	325	1,915	(624)	**3,964**
Total other noncurrent assets	43,502	3,336	73,262	(71,291)	**48,809**
Total Assets	156,502	17,397	78,542	(75,548)	**176,893**
Segment reclassifications, intercompany balances and other	(1,053)	(48)	(74,447)	75,548	**—**
Segment Assets	$ 155,449	$ 17,349	$ 4,095	$ —	**$ 176,893**

(a) Includes amounts in held for sale accounts related to the Commercial Renewables Disposal Group.

DUKE ENERGY CORPORATION
CONSOLIDATING BALANCE SHEETS – LIABILITIES AND EQUITY
(Unaudited)

	December 31, 2023				
(In millions)	**Electric Utilities and Infrastructure**	**Gas Utilities and Infrastructure**	**Other[(a)]**	**Eliminations/ Adjustments**	**Duke Energy**
Current Liabilities					
Accounts payable	$ 3,117	$ 400	$ 710	$ 1	**$ 4,228**
Accounts payable to affiliated companies	588	92	304	(984)	**—**
Notes payable to affiliated companies	2,402	754	—	(3,156)	**—**
Notes payable and commercial paper	—	—	4,288	—	**4,288**
Taxes accrued	1,081	40	(305)	—	**816**
Interest accrued	464	43	240	(2)	**745**
Current maturities of long-term debt	740	42	2,024	(6)	**2,800**
Asset retirement obligations	596	—	—	—	**596**
Regulatory liabilities	1,251	119	—	(1)	**1,369**
Liabilities associated with assets held for sale	—	—	122	—	**122**
Other	1,744	82	523	(30)	**2,319**
Total current liabilities	11,983	1,572	7,906	(4,178)	**17,283**
Long-Term Debt	44,995	4,395	23,142	(80)	**72,452**
Long-Term Debt Payable to Affiliated Companies	618	7	—	(625)	**—**
Other Noncurrent Liabilities					
Deferred income taxes	12,067	1,380	(2,891)	—	**10,556**
Asset retirement obligations	8,474	85	—	1	**8,560**
Regulatory liabilities	12,751	1,255	34	(1)	**14,039**
Operating lease liabilities	682	11	224	—	**917**
Accrued pension and other post-retirement benefit costs	252	30	204	(1)	**485**
Investment tax credits	863	1	—	—	**864**
Liabilities associated with assets held for sale	—	—	157	—	**157**
Other	806	224	549	(186)	**1,393**
Total other noncurrent liabilities	35,895	2,986	(1,723)	(187)	**36,971**
Equity					
Total Duke Energy Corporation stockholders' equity	62,011	8,428	49,151	(70,478)	**49,112**
Noncontrolling interests	1,000	9	66	—	**1,075**
Total equity	63,011	8,437	49,217	(70,478)	**50,187**
Total Liabilities and Equity	156,502	17,397	78,542	(75,548)	**176,893**
Segment reclassifications, intercompany balances and other	(1,053)	(48)	(74,447)	75,548	**—**
Segment Liabilities and Equity	$ 155,449	$ 17,349	$ 4,095	$ —	**$ 176,893**

(a) Includes amounts in held for sale accounts related to the Commercial Renewables Disposal Group.

ELECTRIC UTILITIES AND INFRASTRUCTURE
CONSOLIDATING SEGMENT INCOME
(Unaudited)

	Three Months Ended December 31, 2023						
(In millions)	Duke Energy Carolinas	Duke Energy Progress	Duke Energy Florida	Duke Energy Ohio[(a)]	Duke Energy Indiana	Eliminations/ Other	Electric Utilities and Infrastructure
Operating Revenues	$ 2,133	$ 1,644	$ 1,580	$ 457	$ 793	$ (49)	**$ 6,558**
Operating Expenses							
Fuel used in electric generation and purchased power	701	518	605	123	237	(65)	**2,119**
Operation, maintenance and other	421	300	321	83	175	1	**1,301**
Depreciation and amortization	407	331	211	71	166	5	**1,191**
Property and other taxes	44	21	77	83	17	1	**243**
Impairment of assets and other charges	(26)	(2)	—	2	(1)	2	**(25)**
Total operating expenses	1,547	1,168	1,214	362	594	(56)	**4,829**
Gains (Losses) on Sales of Other Assets and Other, net	—	1	1	1	—	(5)	**(2)**
Operating Income	586	477	367	96	199	2	**1,727**
Other Income and Expenses, net[(b)]	58	30	24	5	18	(6)	**129**
Interest Expense	182	112	108	30	56	(2)	**486**
Income Before Income Taxes	462	395	283	71	161	(2)	**1,370**
Income Tax Expense	61	55	60	12	32	(9)	**211**
Less: Net Income Attributable to Noncontrolling Interest	—	—	—	—	—	24	**24**
Segment Income	$ 401	$ 340	$ 223	$ 59	$ 129	$ (17)	**$ 1,135**

(a) Includes results of the wholly owned subsidiary, Duke Energy Kentucky.
(b) Includes an equity component of allowance for funds used during construction of $22 million for Duke Energy Carolinas, $14 million for Duke Energy Progress, $5 million for Duke Energy Florida, $1 million for Duke Energy Ohio and $3 million for Duke Energy Indiana.

ELECTRIC UTILITIES AND INFRASTRUCTURE
CONSOLIDATING SEGMENT INCOME
(Unaudited)

	Year Ended December 31, 2023						
(In millions)	**Duke Energy Carolinas**	**Duke Energy Progress**	**Duke Energy Florida**	**Duke Energy Ohio[(a)]**	**Duke Energy Indiana**	**Eliminations/ Other**	**Electric Utilities and Infrastructure**
Operating Revenues	$ 8,288	$ 6,488	$ 7,036	$ 1,868	$ 3,399	$ (158)	**$ 26,921**
Operating Expenses							
Fuel used in electric generation and purchased power	2,524	2,203	2,823	608	1,217	(211)	**9,164**
Operation, maintenance and other	1,689	1,342	1,212	351	695	20	**5,309**
Depreciation and amortization	1,593	1,266	885	257	666	17	**4,684**
Property and other taxes	320	164	480	294	59	3	**1,320**
Impairment of assets and other charges	44	29	(1)	2	(1)	2	**75**
Total operating expenses	6,170	5,004	5,399	1,512	2,636	(169)	**20,552**
Gains (Losses) on Sales of Other Assets and Other, net	26	3	2	1	—	(4)	**28**
Operating Income	2,144	1,487	1,639	357	763	7	**6,397**
Other Income and Expenses, net[(b)]	241	125	80	28	77	(34)	**517**
Interest Expense	686	427	413	116	213	(5)	**1,850**
Income Before Income Taxes	1,699	1,185	1,306	269	627	(22)	**5,064**
Income Tax Expense	162	158	268	42	115	(3)	**742**
Less: Net Income Attributable to Noncontrolling Interest	—	—	—	—	—	99	**$ 99**
Segment Income	$ 1,537	$ 1,027	$ 1,038	$ 227	$ 512	$ (118)	**$ 4,223**

(a) Includes results of the wholly owned subsidiary, Duke Energy Kentucky.
(b) Includes an equity component of allowance for funds used during construction of $91 million for Duke Energy Carolinas, $52 million for Duke Energy Progress, $15 million for Duke Energy Florida, $5 million for Duke Energy Ohio and $10 million for Duke Energy Indiana.

ELECTRIC UTILITIES AND INFRASTRUCTURE
CONSOLIDATING BALANCE SHEETS – ASSETS
(Unaudited)

	December 31, 2023						
(In millions)	**Duke Energy Carolinas**	**Duke Energy Progress**	**Duke Energy Florida**	**Duke Energy Ohio[(a)]**	**Duke Energy Indiana**	**Eliminations/ Adjustments[(b)]**	**Electric Utilities and Infrastructure**
Current Assets							
Cash and cash equivalents	$ 9	$ 18	$ 24	$ 17	$ 8	$ 8	**$ 84**
Receivables, net	265	139	83	69	156	10	**722**
Receivables of variable interest entities, net	991	833	532	—	—	664	**3,020**
Receivables from affiliated companies	203	16	238	273	197	(453)	**474**
Inventory	1,484	1,227	674	163	582	—	**4,130**
Regulatory assets	1,564	942	720	29	102	(2)	**3,355**
Other	31	71	50	97	98	(5)	**342**
Total current assets	4,547	3,246	2,321	648	1,143	222	**12,127**
Property, Plant and Equipment							
Cost	56,670	39,283	28,353	8,585	18,900	102	**151,893**
Accumulated depreciation and amortization	(19,896)	(15,227)	(7,067)	(2,349)	(6,501)	20	**(51,020)**
Net property, plant and equipment	36,774	24,056	21,286	6,236	12,399	122	**100,873**
Other Noncurrent Assets							
Goodwill	—	—	—	596	—	16,784	**17,380**
Regulatory assets	3,916	4,546	1,883	378	894	709	**12,326**
Nuclear decommissioning trust funds	5,686	4,075	382	—	—	—	**10,143**
Operating lease right-of-use assets, net	78	318	299	15	50	—	**760**
Investments in equity method unconsolidated affiliates	—	—	1	—	—	96	**97**
Investment in consolidated subsidiaries	36	19	8	381	4	—	**448**
Other	1,110	682	428	62	326	(260)	**2,348**
Total other noncurrent assets	10,826	9,640	3,001	1,432	1,274	17,329	**43,502**
Total Assets	52,147	36,942	26,608	8,316	14,816	17,673	**156,502**
Segment reclassifications, intercompany balances and other	(239)	(122)	(246)	(338)	150	(258)	**(1,053)**
Reportable Segment Assets	$ 51,908	$ 36,820	$ 26,362	$ 7,978	$ 14,966	$ 17,415	**$ 155,449**

(a) Includes balances of the wholly owned subsidiary, Duke Energy Kentucky.
(b) Includes the elimination of intercompany balances, purchase accounting adjustments, restricted receivables related to Cinergy Receivables Company and Commercial Transmission and Duke Energy Indiana Holdco, LLC balances.

ELECTRIC UTILITIES AND INFRASTRUCTURE
CONSOLIDATING BALANCE SHEETS – LIABILITIES AND EQUITY
(Unaudited)

	December 31, 2023						
(In millions)	**Duke Energy Carolinas**	**Duke Energy Progress**	**Duke Energy Florida**	**Duke Energy Ohio[(a)]**	**Duke Energy Indiana**	**Eliminations/ Adjustments[(b)]**	**Electric Utilities and Infrastructure**
Current Liabilities							
Accounts payable	$ 1,183	$ 634	$ 738	$ 247	$ 300	$ 15	**$ 3,117**
Accounts payable to affiliated companies	195	332	135	16	176	(266)	**588**
Notes payable to affiliated companies	668	891	152	398	256	37	**2,402**
Taxes accrued	297	184	190	348	70	(8)	**1,081**
Interest accrued	179	114	86	31	54	—	**464**
Current maturities of long-term debt	19	72	589	—	4	56	**740**
Asset retirement obligations	224	244	1	6	120	1	**596**
Regulatory liabilities	587	300	118	36	209	1	**1,251**
Other	669	482	350	64	184	(5)	**1,744**
Total current liabilities	4,021	3,253	2,359	1,146	1,373	(169)	**11,983**
Long-Term Debt	15,693	11,492	9,812	2,863	4,348	787	**44,995**
Long-Term Debt Payable to Affiliated Companies	300	150	—	18	150	—	**618**
Other Noncurrent Liabilities							
Deferred income taxes	4,432	2,568	2,735	839	1,436	57	**12,067**
Asset retirement obligations	3,789	3,626	274	71	689	25	**8,474**
Regulatory liabilities	5,990	4,375	708	242	1,459	(23)	**12,751**
Operating lease liabilities	75	293	251	15	46	2	**682**
Accrued pension and other post-retirement benefit costs	57	146	98	70	115	(234)	**252**
Investment tax credits	301	129	242	5	186	—	**863**
Other	582	103	86	52	1	(18)	**806**
Total other noncurrent liabilities	15,226	11,240	4,394	1,294	3,932	(191)	**35,895**
Equity							
Total Duke Energy Corporation stockholders' equity	16,907	10,807	10,043	2,995	5,013	16,246	**62,011**
Noncontrolling interests[(c)]	—	—	—	—	—	1,000	**1,000**
Equity	16,907	10,807	10,043	2,995	5,013	17,246	**63,011**
Total Liabilities and Equity	52,147	36,942	26,608	8,316	14,816	17,673	**156,502**
Segment reclassifications, intercompany balances and other	(239)	(122)	(246)	(338)	150	(258)	**(1,053)**
Reportable Segment Liabilities and Equity	$ 51,908	$ 36,820	$ 26,362	$ 7,978	$ 14,966	$ 17,415	**$ 155,449**

(a) Includes balances of the wholly owned subsidiary, Duke Energy Kentucky.
(b) Includes the elimination of intercompany balances, purchase accounting adjustments and Commercial Transmission and Duke Energy Indiana Holdco, LLC balances.
(c) Includes a noncontrolling interest in Duke Energy Indiana.

GAS UTILITIES AND INFRASTRUCTURE
CONSOLIDATING SEGMENT INCOME
(Unaudited)

	Three Months Ended December 31, 2023				
(In millions)	Duke Energy Ohio[a]	Piedmont Natural Gas LDC	Midstream Pipelines and Storage[b]	Eliminations/ Adjustments	Gas Utilities and Infrastructure
Operating Revenues	$ 175	$ 509	$ —	$ (1)	**$ 683**
Operating Expenses					
Cost of natural gas	45	114	—	—	**159**
Operation, maintenance and other	33	91	—	(1)	**123**
Depreciation and amortization	29	62	1	—	**92**
Property and other taxes	23	13	—	—	**36**
Impairment of assets and other charges	—	—	—	—	**—**
Total operating expenses	130	280	1	(1)	**410**
Gains on Sales of Other Assets and Other, net	1	—	—	—	**1**
Operating Income (Loss)	46	229	(1)	—	**274**
Other Income and Expenses					
Equity in earnings of unconsolidated affiliates	—	—	7	—	**7**
Other income and expenses, net	3	16	(4)	(2)	**13**
Total other income and expenses	3	16	3	(2)	**20**
Interest Expense	15	45	—	(1)	**59**
Income Before Income Taxes	34	200	2	(1)	**235**
Income Tax Expense	5	39	2	(1)	**45**
Add: Loss Attributable to Noncontrolling Interest	—	—	2	—	**2**
Segment Income	$ 29	$ 161	$ 2	$ —	**$ 192**

(a) Includes results of the wholly owned subsidiary, Duke Energy Kentucky.
(b) Includes earnings from investments in Sabal Trail and Cardinal pipelines, as well as Hardy and Pine Needle storage facilities.

GAS UTILITIES AND INFRASTRUCTURE
CONSOLIDATING SEGMENT INCOME
(Unaudited)

	Year Ended December 31, 2023				
(In millions)	**Duke Energy Ohio[(a)]**	**Piedmont Natural Gas LDC**	**Midstream Pipelines and Storage[(b)]**	**Eliminations/ Adjustments**	**Gas Utilities and Infrastructure**
Operating Revenues	$ 639	$ 1,628	$ —	$ (1)	**$ 2,266**
Operating Expenses					
Cost of natural gas	163	430	—	—	**593**
Operation, maintenance and other	118	336	2	(1)	**455**
Depreciation and amortization	110	237	1	1	**349**
Property and other taxes	70	59	—	—	**129**
Impairment of assets and other charges	—	(4)	—	—	**(4)**
Total operating expenses	461	1,058	3	—	**1,522**
Operating Income (Loss)	178	570	(3)	(1)	**744**
Other Income and Expenses					
Equity in earnings of unconsolidated affiliates	—	—	40	—	**40**
Other income and expenses, net	14	59	(6)	(1)	**66**
Total other income and expenses	14	59	34	(1)	**106**
Interest Expense	53	165	—	(1)	**217**
Income Before Income Taxes	139	464	31	(1)	**633**
Income Tax Expense	23	84	9	—	**116**
Add: Loss Attributable to Noncontrolling Interest	$ —	$ —	$ 2	—	**$ 2**
Segment Income	$ 116	$ 380	$ 24	$ (1)	**$ 519**

(a) Includes results of the wholly owned subsidiary, Duke Energy Kentucky.
(b) Includes earnings from investments in Sabal Trail and Cardinal pipelines, as well as Hardy and Pine Needle storage facilities and losses from the cancellation of the ACP pipeline.

GAS UTILITIES AND INFRASTRUCTURE
CONSOLIDATING BALANCE SHEETS – ASSETS
(Unaudited)

	December 31, 2023				
(In millions)	**Duke Energy Ohio[(a)]**	**Piedmont Natural Gas LDC**	**Midstream Pipelines and Storage**	**Eliminations/ Adjustments[(b)]**	**Gas Utilities and Infrastructure**
Current Assets					
Cash and cash equivalents	$ 7	$ —	$ 1	$ —	**$ 8**
Receivables, net	43	311	3	—	**357**
Receivables from affiliated companies	—	84	74	(72)	**86**
Inventory	16	112	—	1	**129**
Regulatory assets	18	161	—	—	**179**
Other	24	6	7	—	**37**
Total current assets	108	674	85	(71)	**796**
Property, Plant and Equipment					
Cost	4,625	11,907	92	(1)	**16,623**
Accumulated depreciation and amortization	(1,101)	(2,260)	—	1	**(3,360)**
Facilities to be retired, net	—	2	—	—	**2**
Net property, plant and equipment	3,524	9,649	92	—	**13,265**
Other Noncurrent Assets					
Goodwill	324	49	—	1,551	**1,924**
Regulatory assets	325	410	—	82	**817**
Operating lease right-of-use assets, net	1	4	—	(1)	**4**
Investments in equity method unconsolidated affiliates	—	—	254	5	**259**
Investment in consolidated subsidiaries	—	—	—	7	**7**
Other	20	276	29	—	**325**
Total other noncurrent assets	670	739	283	1,644	**3,336**
Total Assets	4,302	11,062	460	1,573	**17,397**
Segment reclassifications, intercompany balances and other	44	(84)	(74)	66	**(48)**
Reportable Segment Assets	$ 4,346	$ 10,978	$ 386	$ 1,639	**$ 17,349**

(a) Includes balances of the wholly owned subsidiary, Duke Energy Kentucky.
(b) Includes the elimination of intercompany balances and purchase accounting adjustments.

GAS UTILITIES AND INFRASTRUCTURE
CONSOLIDATING BALANCE SHEETS – LIABILITIES AND EQUITY
(Unaudited)

	December 31, 2023				
(In millions)	**Duke Energy Ohio[(a)]**	**Piedmont Natural Gas LDC**	**Midstream Pipelines and Storage**	**Eliminations/ Adjustments[(b)]**	**Gas Utilities and Infrastructure**
Current Liabilities					
Accounts payable	$ 76	$ 315	$ 9	$ —	**$ 400**
Accounts payable to affiliated companies	41	93	30	(72)	**92**
Notes payable to affiliated companies	215	538	—	1	**754**
Taxes accrued	(42)	86	(4)	—	**40**
Interest accrued	4	39	—	—	**43**
Current maturities of long-term debt	—	40	—	2	**42**
Regulatory liabilities	20	98	—	1	**119**
Other	4	76	4	(2)	**82**
Total current liabilities	318	1,285	39	(70)	**1,572**
Long-Term Debt	630	3,628	70	67	**4,395**
Long-Term Debt Payable to Affiliated Companies	7	—	—	—	**7**
Other Noncurrent Liabilities					
Deferred income taxes	436	919	23	2	**1,380**
Asset retirement obligations	59	26	—	—	**85**
Regulatory liabilities	255	988	—	12	**1,255**
Operating lease liabilities	1	10	—	—	**11**
Accrued pension and other post-retirement benefit costs	22	8	—	—	**30**
Investment tax credits	—	1	—	—	**1**
Other	47	172	6	(1)	**224**
Total other noncurrent liabilities	820	2,124	29	13	**2,986**
Equity					
Total Duke Energy Corporation stockholders' equity	2,527	4,025	313	1,563	**8,428**
Noncontrolling interests	—	—	9	—	**9**
Equity	2,527	4,025	322	1,563	**8,437**
Total Liabilities and Equity	4,302	11,062	460	1,573	**17,397**
Segment reclassifications, intercompany balances and other	44	(84)	(74)	66	**(48)**
Reportable Segment Liabilities and Equity	$ 4,346	$ 10,978	$ 386	$ 1,639	**$ 17,349**

(a) Includes balances of the wholly owned subsidiary, Duke Energy Kentucky.
(b) Includes the elimination of intercompany balances and purchase accounting adjustments.

Electric Utilities and Infrastructure
Quarterly Highlights
Year Ended December 2023

	Three Months Ended December 31,				Years Ended December 31,			
	2023	2022	% Inc.(Dec.)	% Inc. (Dec.) Weather Normal[(b)]	2023	2022	% Inc.(Dec.)	% Inc. (Dec.) Weather Normal[(b)]
Gigawatt-hour (GWh) Sales[(a)]								
Residential	18,602	18,686	(0.4 %)	(0.4 %)	85,107	87,671	(2.9 %)	(1.5 %)
General Service	18,254	18,250	— %	1.8 %	76,961	77,259	(0.4 %)	(0.6 %)
Industrial	11,238	11,436	(1.7 %)	(8.1 %)	47,673	49,180	(3.1 %)	(5.9 %)
Other Energy Sales	139	130	6.9 %	n/a	570	558	2.2 %	n/a
Unbilled Sales	1,258	2,426	(48.1 %)	n/a	(1,261)	3,606	(135.0 %)	n/a
Total Retail Sales	49,491	50,928	(2.8 %)	(1.4) %	209,050	218,274	(4.2 %)	(2.2 %)
Wholesale and Other	10,348	10,307	0.4 %		42,212	45,538	(7.3 %)	
Total Consolidated Electric Sales – Electric Utilities and Infrastructure	59,839	61,235	(2.3 %)		251,262	263,812	(4.8 %)	
Average Number of Customers (Electric)								
Residential	7,312,926	7,166,766	2.0 %		7,252,831	7,121,050	1.9 %	
General Service	1,040,029	1,036,798	0.3 %		1,037,303	1,035,271	0.2 %	
Industrial	15,895	16,320	(2.6 %)		16,098	16,336	(1.5 %)	
Other Energy Sales	23,968	24,277	(1.3 %)		24,111	24,360	(1.0 %)	
Total Retail Customers	8,392,818	8,244,161	1.8 %		8,330,343	8,197,017	1.6 %	
Wholesale and Other	50	45	11.1 %		49	40	22.5 %	
Total Average Number of Customers – Electric Utilities and Infrastructure	8,392,868	8,244,206	1.8 %		8,330,392	8,197,057	1.6 %	
Sources of Electric Energy (GWh)								
Generated – Net Output[(c)]								
Coal	8,598	8,588	0.1 %		34,065	37,261	(8.6 %)	
Nuclear	18,796	17,674	6.3 %		74,966	73,109	2.5 %	
Hydro	260	415	(37.3 %)		1,916	1,856	3.2 %	
Natural Gas and Oil	19,657	22,340	(12.0 %)		88,100	93,649	(5.9 %)	
Renewable Energy	591	507	16.6 %		2,795	2,347	19.1 %	
Total Generation[(d)]	47,902	49,524	(3.3 %)		201,842	208,222	(3.1 %)	
Purchased Power and Net Interchange[(e)]	14,724	14,409	2.2 %		62,504	66,587	(6.1 %)	
Total Sources of Energy	62,626	63,933	(2.0 %)		264,346	274,809	(3.8 %)	
Less: Line Loss and Other	2,787	2,698	3.3 %		13,084	10,997	19.0 %	
Total GWh Sources	59,839	61,235	(2.3 %)		251,262	263,812	(4.8 %)	
Owned Megawatt (MW) Capacity[(c)]								
Summer					50,321	49,866		
Winter					54,762	54,715		
Nuclear Capacity Factor (%)[(f)]					96	94		

(a) Except as indicated in footnote (b), represents non-weather normalized billed sales, with energy delivered but not yet billed (i.e., unbilled sales) reflected as a single amount and not allocated to the respective retail classes.
(b) Represents weather-normal total retail calendar sales (i.e., billed and unbilled sales).
(c) Statistics reflect Duke Energy's ownership share of jointly owned stations.
(d) Generation by source is reported net of auxiliary power.
(e) Purchased power includes renewable energy purchases.
(f) Statistics reflect 100% of jointly owned stations.

Duke Energy Carolinas
Quarterly Highlights
Supplemental Electric Utilities and Infrastructure Information
Year Ended December 2023

	Three Months Ended December 31,				Years Ended December 31,			
	2023	2022	% Inc.(Dec.)	% Inc. (Dec.) Weather Normal[(b)]	2023	2022	% Inc.(Dec.)	% Inc. (Dec.) Weather Normal[(b)]
GWh Sales[(a)]								
Residential	6,290	6,269	0.3 %		28,348	29,377	(3.5 %)	
General Service	7,327	6,881	6.5 %		29,816	29,531	1.0 %	
Industrial	4,675	4,942	(5.4 %)		19,736	20,811	(5.2 %)	
Other Energy Sales	70	70	— %		279	296	(5.7 %)	
Unbilled Sales	546	981	(44.3 %)		(331)	1,263	(126.2 %)	
Total Retail Sales	18,908	19,143	(1.2 %)	0.1 %	77,848	81,278	(4.2 %)	(1.7 %)
Wholesale and Other	2,360	2,647	(10.8 %)		9,787	9,637	1.6 %	
Total Consolidated Electric Sales – Duke Energy Carolinas	21,268	21,790	(2.4 %)		87,635	90,915	(3.6 %)	
Average Number of Customers								
Residential	2,450,456	2,395,446	2.3 %		2,428,460	2,378,411	2.1 %	
General Service	401,216	400,478	0.2 %		400,097	400,091	— %	
Industrial	5,976	6,101	(2.0 %)		6,047	6,066	(0.3 %)	
Other Energy Sales	11,164	11,232	(0.6 %)		11,204	11,238	(0.3 %)	
Total Retail Customers	2,868,812	2,813,257	2.0 %		2,845,808	2,795,806	1.8 %	
Wholesale and Other	25	20	25.0 %		26	17	52.9 %	
Total Average Number of Customers – Duke Energy Carolinas	2,868,837	2,813,277	2.0 %		2,845,834	2,795,823	1.8 %	
Sources of Electric Energy (GWh)								
Generated – Net Output[(c)]								
Coal	2,557	1,959	30.5 %		9,079	8,025	13.1 %	
Nuclear	10,712	11,282	(5.1 %)		44,004	44,225	(0.5 %)	
Hydro	76	243	(68.7 %)		918	999	(8.1 %)	
Natural Gas and Oil	5,284	7,112	(25.7 %)		25,323	28,563	(11.3 %)	
Renewable Energy	75	103	(27.2 %)		341	492	(30.7 %)	
Total Generation[(d)]	18,704	20,699	(9.6 %)		79,665	82,304	(3.2 %)	
Purchased Power and Net Interchange[(e)]	3,478	2,191	58.7 %		12,119	12,628	(4.0 %)	
Total Sources of Energy	22,182	22,890	(3.1 %)		91,784	94,932	(3.3 %)	
Less: Line Loss and Other	914	1,100	(16.9 %)		4,149	4,017	3.3 %	
Total GWh Sources	21,268	21,790	(2.4 %)		87,635	90,915	(3.6 %)	
Owned MW Capacity[(c)]								
Summer					19,691	19,492		
Winter					20,735	20,653		
Nuclear Capacity Factor (%)[(f)]					95	95		
Heating and Cooling Degree Days								
Actual								
Heating Degree Days	1,117	1,301	(14.1 %)		2,576	3,124	(17.5 %)	
Cooling Degree Days	45	21	114.3 %		1,440	1,628	(11.5 %)	
Variance from Normal								
Heating Degree Days	(9.3 %)	5.1 %			(19.0 %)	(1.8 %)		
Cooling Degree Days	3.3 %	(50.9 %)			(7.6 %)	4.3 %		

(a) Except as indicated in footnote (b), represents non-weather normalized billed sales, with energy delivered but not yet billed (i.e., unbilled sales) reflected as a single amount and not allocated to the respective retail classes.
(b) Represents weather-normal total retail calendar sales (i.e., billed and unbilled sales).
(c) Statistics reflect Duke Energy's ownership share of jointly owned stations.
(d) Generation by source is reported net of auxiliary power.
(e) Purchased power includes renewable energy purchases.
(f) Statistics reflect 100% of jointly owned stations.

Duke Energy Progress
Quarterly Highlights
Supplemental Electric Utilities and Infrastructure Information
Year Ended December 2023

	Three Months Ended December 31,				Years Ended December 31,			
	2023	2022	% Inc.(Dec.)	% Inc. (Dec.) Weather Normal[b]	2023	2022	% Inc.(Dec.)	% Inc. (Dec.) Weather Normal[b]
GWh Sales[a]								
Residential	3,890	3,891	— %		17,742	18,499	(4.1 %)	
General Service	3,363	3,662	(8.2 %)		14,717	15,332	(4.0 %)	
Industrial	2,285	2,466	(7.3 %)		9,692	11,037	(12.2 %)	
Other Energy Sales	22	21	4.8 %		85.97	89	(3.4 %)	
Unbilled Sales	438	401	9.2 %		(346)	(106)	(226 %)	
Total Retail Sales	9,998	10,441	(4.2 %)	(3.4 %)	41,891	44,851	(6.6 %)	(3.9 %)
Wholesale and Other	6,216	5,502	13.0 %		24,826	25,584	(3.0 %)	
Total Consolidated Electric Sales – Duke Energy Progress	16,214	15,943	1.7 %		66,717	70,435	(5.3 %)	
Average Number of Customers								
Residential	1,478,243	1,444,585	2.3 %		1,464,921	1,434,751	2.1 %	
General Service	247,632	248,511	(0.4 %)		247,425	247,962	(0.2 %)	
Industrial	3,264	3,322	(1.7 %)		3,290	3,325	(1.1 %)	
Other Energy Sales	2,469	2,533	(2.5 %)		2,492	2,552	(2.4 %)	
Total Retail Customers	1,731,608	1,698,951	1.9 %		1,718,128	1,688,590	1.7 %	
Wholesale and Other	8	8	— %		8	8	— %	
Total Average Number of Customers – Duke Energy Progress	1,731,616	1,698,959	1.9 %		1,718,136	1,688,598	1.7 %	
Sources of Electric Energy (GWh)								
Generated – Net Output[c]								
Coal	836	1,139	(26.6 %)		5,226	6,513	(19.8 %)	
Nuclear	8,084	6,392	26.5 %		30,962	28,884	7.2 %	
Hydro	80	83	(3.6 %)		603	572	5.4 %	
Natural Gas and Oil	5,818	6,273	(7.3 %)		22,886	24,587	(6.9 %)	
Renewable Energy	57	46	23.9 %		260	248	4.8 %	
Total Generation[d]	14,875	13,933	6.8 %		59,937	60,804	(1.4 %)	
Purchased Power and Net Interchange[e]	1,910	2,482	(23.0 %)		9,291	11,202	(17.1 %)	
Total Sources of Energy	16,785	16,415	2.3 %		69,228	72,006	(3.9 %)	
Less: Line Loss and Other	571	472	21.0 %		2,511	1,571	59.8 %	
Total GWh Sources	16,214	15,943	1.7 %		66,717	70,435	(5.3 %)	
Owned MW Capacity[c]								
Summer					12,538	12,464		
Winter					13,770	13,770		
Nuclear Capacity Factor (%)[f]					98	92		
Heating and Cooling Degree Days								
Actual								
Heating Degree Days	962	1,061	(9.3 %)		2,159	2,676	(19.3 %)	
Cooling Degree Days	55	48	14.6 %		1,755	1,911	(8.2 %)	
Variance from Normal								
Heating Degree Days	(12.8 %)	(4.6 %)			(25.1 %)	(7.2 %)		
Cooling Degree Days	(13.3 %)	(22.8 %)			2.8 %	12.0 %		

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(b) Represents weather-normal total retail calendar sales (i.e., billed and unbilled sales).
(c) Statistics reflect Duke Energy's ownership share of jointly owned stations.
(d) Generation by source is reported net of auxiliary power.
(e) Purchased power includes renewable energy purchases.
(f) Statistics reflect 100% of jointly owned stations.

Duke Energy Florida
Quarterly Highlights
Supplemental Electric Utilities and Infrastructure Information
Year Ended December 2023

	Three Months Ended December 31,				Years Ended December 31,			
	2023	2022	% Inc.(Dec.)	% Inc. (Dec.) Weather Normal[b]	2023	2022	% Inc.(Dec.)	% Inc. (Dec.) Weather Normal[b]
GWh Sales[a]								
Residential	4,654	4,663	(0.2 %)		21,750	21,508	1.1 %	
General Service	3,713	3,654	1.6 %		15,655	15,463	1.2 %	
Industrial	836	797	4.9 %		3,396	3,508	(3.2 %)	
Other Energy Sales	8	8	— %		31	33	(6.1 %)	
Unbilled Sales	(306)	247	(223.9 %)		(49)	567	(108.6 %)	
Total Retail Sales	8,905	9,369	(5.0 %)	(2.6 %)	40,783	41,079	(0.7 %)	(1.2 %)
Wholesale and Other	424	1,048	(59.5 %)		2,601	5,135	(49.3 %)	
Total Electric Sales – Duke Energy Florida	9,329	10,417	(10.4 %)		43,384	46,214	(6.1 %)	
Average Number of Customers								
Residential	1,769,252	1,730,814	2.2 %		1,753,585	1,719,905	2.0 %	
General Service	209,682	208,018	0.8 %		209,179	207,543	0.8 %	
Industrial	1,742	1,839	(5.3 %)		1,773	1,868	(5.1 %)	
Other Energy Sales	3,648	3,711	(1.7 %)		3,676	3,737	(1.6 %)	
Total Retail Customers	1,984,324	1,944,382	2.1 %		1,968,213	1,933,053	1.8 %	
Wholesale and Other	12	12	— %		10	10	— %	
Total Average Number of Customers – Duke Energy Florida	1,984,336	1,944,394	2.1 %		1,968,223	1,933,063	1.8 %	
Sources of Electric Energy (GWh)								
Generated – Net Output[c]								
Coal	845	1,062	(20.4 %)		3,829	4,375	(12.5 %)	
Natural Gas and Oil	7,729	8,233	(6.1 %)		35,554	36,569	(2.8 %)	
Renewable Energy	453	353	28.3 %		2,165	1,581	36.9 %	
Total Generation[d]	9,027	9,648	(6.4 %)		41,548	42,525	(2.3 %)	
Purchased Power and Net Interchange[e]	610	815	(25.2 %)		3,504	4,817	(27.3 %)	
Total Sources of Energy	9,637	10,463	(7.9 %)		45,052	47,342	(4.8 %)	
Less: Line Loss and Other	308	46	569.6 %		1,668	1,128	47.9 %	
Total GWh Sources	9,329	10,417	(10.4 %)		43,384	46,214	(6.1 %)	
Owned MW Capacity[c]								
Summer					10,697	10,488		
Winter					12,303	12,305		
Heating and Cooling Degree Days								
Actual								
Heating Degree Days	138	169	(18.3 %)		316	470	(32.8 %)	
Cooling Degree Days	476	544	(12.5 %)		3,680	3,527	4.3 %	
Variance from Normal								
Heating Degree Days	(27.7 %)	(10.4 %)			(44.8 %)	— %		
Cooling Degree Days	(2.3 %)	11.1 %			14.1 %	— %		

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(b) Represents weather-normal total retail calendar sales (i.e., billed and unbilled sales).
(c) Statistics reflect Duke Energy's ownership share of jointly owned stations.
(d) Generation by source is reported net of auxiliary power.
(e) Purchased power includes renewable energy purchases.

Duke Energy Ohio
Quarterly Highlights
Supplemental Electric Utilities and Infrastructure Information
Year Ended December 2023

	Three Months Ended December 31,				Years Ended December 31,			
	2023	2022	% Inc.(Dec.)	% Inc. (Dec.) Weather Normal[b]	2023	2022	% Inc.(Dec.)	% Inc. (Dec.) Weather Normal[b]
GWh Sales[a]								
Residential	1,860	1,897	(2.0 %)		8,598	9,031	(4.8 %)	
General Service	2,134	2,125	0.4 %		8,943	8,813	1.5 %	
Industrial	1,251	1,333	(6.2 %)		5,425	5,174	4.9 %	
Other Energy Sales	23	15	53.3 %		109	80	36.3 %	
Unbilled Sales	207	164	26.2 %		(166)	678	(124.5 %)	
Total Retail Sales	5,475	5,534	(1.1 %)	— %	22,909	23,776	(3.6 %)	(0.7 %)
Wholesale and Other	138	100	38.0 %		398	493	(19.3 %)	
Total Electric Sales – Duke Energy Ohio	5,613	5,634	(0.4 %)		23,307	24,269	(4.0 %)	
Average Number of Customers								
Residential	827,321	820,302	0.9 %		823,904	816,187	0.9 %	
General Service	75,459	74,541	1.2 %		74,957	74,551	0.5 %	
Industrial	2,270	2,397	(5.3 %)		2,340	2,415	(3.1 %)	
Other Energy Sales	2,823	2,842	(0.7 %)		2,834	2,847	(0.5 %)	
Total Retail Customers	907,873	900,082	0.9 %		904,035	896,000	0.9 %	
Wholesale and Other	1	1	— %		1	1	— %	
Total Average Number of Customers – Duke Energy Ohio	907,874	900,083	0.9 %		904,036	896,001	0.9 %	
Sources of Electric Energy (GWh)								
Generated – Net Output[c]								
Coal	468	516	(9.3 %)		2,211	2,778	(20.4 %)	
Natural Gas and Oil	61	50	22.0 %		192	101	90.1 %	
Total Generation[d]	529	566	(6.5 %)		2,403	2,879	(16.5 %)	
Purchased Power and Net Interchange[e]	5,539	5,599	(1.1 %)		23,010	23,722	(3.0 %)	
Total Sources of Energy	6,068	6,165	(1.6 %)		25,413	26,601	(4.5 %)	
Less: Line Loss and Other	455	531	(14.3 %)		2,106	2,332	(9.7 %)	
Total GWh Sources	5,613	5,634	(0.4 %)		23,307	24,269	(4.0 %)	
Owned MW Capacity[c]								
Summer					1,076	1,076		
Winter					1,164	1,164		
Heating and Cooling Degree Days								
Actual								
Heating Degree Days	1,569	1,799	(12.8 %)		4,103	4,815	(14.8 %)	
Cooling Degree Days	31	1	3,000.0 %		1,021	1,234	(17.3 %)	
Variance from Normal								
Heating Degree Days	(13.2 %)	(1.2 %)			(15.9 %)	(1.3 %)		
Cooling Degree Days	34.3 %	(92.5 %)			(9.4 %)	9.2 %		

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(b) Represents weather-normal total retail calendar sales (i.e., billed and unbilled sales).
(c) Statistics reflect Duke Energy's ownership share of jointly owned stations.
(d) Generation by source is reported net of auxiliary power.
(e) Purchased power includes renewable energy purchases.

Duke Energy Indiana
Quarterly Highlights
Supplemental Electric Utilities and Infrastructure Information
Year Ended December 2023

	Three Months Ended December 31,				Years Ended December 31,			
	2023	2022	% Inc.(Dec.)	% Inc. (Dec.) Weather Normal[b]	2023	2022	% Inc.(Dec.)	% Inc. (Dec.) Weather Normal[b]
GWh Sales[a]								
Residential	1,909	1,966	(2.9 %)		8,669	9,256	(6.3 %)	
General Service	1,716	1,928	(11.0 %)		7,829	8,120	(3.6 %)	
Industrial	2,192	1,898	15.5 %		9,425	8,650	9.0 %	
Other Energy Sales	16	16	— %		64.847	60	8.1 %	
Unbilled Sales	373	633	(41.1 %)		(369)	1,204	(130.6 %)	
Total Retail Sales	6,206	6,441	(3.6 %)	(1.9 %)	25,619	27,290	(6.1 %)	(3.5 %)
Wholesale and Other	1,209	1,010	19.7 %		4,600	4,689	(1.9 %)	
Total Electric Sales – Duke Energy Indiana	7,415	7,451	(0.5 %)		30,219	31,979	(5.5 %)	
Average Number of Customers								
Residential	787,654	775,619	1.6 %		781,961	771,796	1.3 %	
General Service	106,040	105,250	0.8 %		105,645	105,124	0.5 %	
Industrial	2,643	2,661	(0.7 %)		2,648	2,662	(0.5 %)	
Other Energy Sales	3,863	3,959	(2.4 %)		3,905	3,986	(2.0 %)	
Total Retail Customers	900,200	887,489	1.4 %		894,159	883,568	1.2 %	
Wholesale and Other	4	4	— %		4	4	— %	
Total Average Number of Customers – Duke Energy Indiana	900,204	887,493	1.4 %		894,163	883,572	1.2 %	
Sources of Electric Energy (GWh)								
Generated – Net Output[c]								
Coal	3,892	3,912	(0.5 %)		13,720	15,570	(11.9 %)	
Hydro	104	89	16.9 %		395	285	38.6 %	
Natural Gas and Oil	765	672	13.8 %		4,145	3,829	8.3 %	
Renewable Energy	6	5	20.0 %		29	26	11.5 %	
Total Generation[d]	4,767	4,678	1.9 %		18,289	19,710	(7.2 %)	
Purchased Power and Net Interchange[e]	3,187	3,322	(4.1 %)		14,580	14,218	2.5 %	
Total Sources of Energy	7,954	8,000	(0.6 %)		32,869	33,928	(3.1 %)	
Less: Line Loss and Other	539	549	(1.8 %)		2,650	1,949	36.0 %	
Total GWh Sources	7,415	7,451	(0.5 %)		30,219	31,979	(5.5 %)	
Owned MW Capacity[c]								
Summer					6,319	6,346		
Winter					6,790	6,823		
Heating and Cooling Degree Days								
Actual								
Heating Degree Days	1,650	1,945	(15.2 %)		4,429	5,310	(16.6 %)	
Cooling Degree Days	39	1	3,800.0 %		1,078	1,261	(14.5 %)	
Variance from Normal								
Heating Degree Days	(15.4 %)	(30.0 %)			(15.7 %)	1.1 %		
Cooling Degree Days	84.4 %	(94.2 %)			(4.2 %)	13.0 %		

(a) Except as indicated in footnote (b), represents non-weather normalized billed sales, with energy delivered but not yet billed (i.e., unbilled sales) reflected as a single amount and not allocated to the respective retail classes.
(b) Represents weather-normal total retail calendar sales (i.e., billed and unbilled sales).
(c) Statistics reflect Duke Energy's ownership share of jointly owned stations.
(d) Generation by source is reported net of auxiliary power.
(e) Purchased power includes renewable energy purchases.

Gas Utilities and Infrastructure
Quarterly Highlights
Year Ended December 2023

	Three Months Ended December 31,			Years Ended December 31,		
	2023	**2022**	**% Inc. (Dec.)**	**2023**	**2022**	**% Inc. (Dec.)**
Total Sales						
Piedmont Natural Gas Local Distribution Company (LDC) throughput (dekatherms)[(a)]	142,826,255	164,172,437	(13.0 %)	569,752,712	628,035,471	(9.3 %)
Duke Energy Midwest LDC throughput (Mcf)	24,442,871	26,663,954	(8.3 %)	80,252,769	90,010,669	(10.8 %)
Average Number of Customers – Piedmont Natural Gas						
Residential	1,058,794	1,041,646	1.6 %	1,055,478	1,039,038	1.6 %
Commercial	107,116	106,003	1.0 %	107,112	106,188	0.9 %
Industrial	947	952	(0.5 %)	953	954	(0.1 %)
Power Generation	19	19	— %	19	19	— %
Total Average Number of Gas Customers – Piedmont Natural Gas	1,166,876	1,148,620	1.6 %	1,163,562	1,146,199	1.5 %
Average Number of Customers – Duke Energy Midwest						
Residential	521,862	518,104	0.7 %	518,707	515,669	0.6 %
General Service	34,856	35,151	(0.8 %)	34,381	34,611	(0.7 %)
Industrial	2,094	1,660	26.1 %	1,832	1,578	16.1 %
Other	116	116	— %	116	117	(0.9 %)
Total Average Number of Gas Customers – Duke Energy Midwest	558,928	555,031	0.7 %	555,036	551,975	0.6 %

(a) Piedmont has a margin decoupling mechanism in North Carolina, weather normalization mechanisms in South Carolina and Tennessee and fixed-price contracts with most power generation customers that significantly eliminate the impact of throughput changes on earnings. Duke Energy Ohio's rate design also serves to offset this impact.