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March 28, 2024

VIA EMAIL: [PSCED@ky.gov](mailto:PSCED@ky.gov)

Ms. Linda Bridwell  
Executive Director  
Kentucky Public Service Commission  
211 Sower Boulevard  
Frankfort, Kentucky 40602

RECEIVED

MAR 28 2024

PUBLIC SERVICE  
COMMISSION

**Re: Application of Duke Energy Kentucky, Inc. for Approval of a New Green Power Pilot Program (Duke Energy's GoGreen Kentucky)  
Case No. 2009-00408**

Dear Ms. Bridwell:

Pursuant to the Commission's February 5, 2010 Order, enclosed please find *Duke Energy Kentucky, Inc.'s GoGreen Power Annual Information Filing* for the Calendar Year of 2023.

Should you have any questions regarding this filing, please do not hesitate to contact me.

Very Truly Yours,

/s/ Kristen Ryan

EMS  
Attachment

cc: John G. Horne, II (w/enclosure)

**COMMONWEALTH OF KENTUCKY**  
**BEFORE THE KENTUCKY PUBLIC SERVICE COMMISSION**

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**DUKE ENERGY KENTUCKY, INC**  
**GOGREEN POWER**  
**ANNUAL INFORMATIONAL FILING**  
**CALENDAR YEAR 2023**

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## **I. Introduction**

On February 5, 2010, the Kentucky Public Service Commission (Commission) issued its Order in Case No. 2009-00408 approving the Application of Duke Energy Kentucky, Inc., (Duke Energy Kentucky) to implement a new Green Power Pilot Program, GoGreen Kentucky. GoGreen Kentucky is a voluntary program that enables customers to manage their own carbon footprints by being able to designate a monthly kilowatt-hour (kWh) purchase level for green power and/or carbon offsets. GoGreen Kentucky provides customers an opportunity to purchase 100 kWh blocks of green energy at \$2.00/ block, with a minimum of 2 blocks. Customers were also afforded an opportunity to purchase carbon offset blocks, representing a 500-pound reduction in CO<sub>2</sub> at a price of \$4.00 per block.

GoGreen Kentucky was approved as a pilot program for implementation through December 31, 2012 subject to several commitments. For example, Duke Energy Kentucky was required to seek Commission approval for any changes to the pricing and/ or sizing of blocks of either the renewable energy credits (RECs) or carbon offsets.

On October 2, 2012, in Case No. 2012-00455, Duke Energy Kentucky filed its application to continue its GoGreen Kentucky Program as a permanent voluntary service offering to customers but with some program enhancements. On or about December 14, 2012, the Commission approved Duke Energy Kentucky's application, which reduced the price/block of green energy to \$1.00/block, permitted participation among non-residential customers, and discontinued the Carbon Offsets option in calendar year 2012.

On October 12, 2023, in Case No. 2022-00372, the Commission authorized changes to the GoGreen Kentucky program to provide non-residential customers an individually calculated price for GoGreen units through a negotiated service agreement.

As a further condition to approval, Duke Energy Kentucky committed to provide this Commission with an annual report relating to the GoGreen Kentucky program that will provide at a minimum: 1) the number of program participants; 2) the total number of RECs and Carbon Offsets subscribed; 3) the expenditures for education and promotion of the program; 4) the expenditures for research (customer satisfaction and experience); 5) the actual costs of the RECs and Carbon Credits; and 6) the administrative costs.

In accordance with the Commission’s December 14, 2012 Order in Case No. 2012-00455, Duke Energy Kentucky respectfully submits its annual informational filing for the 2023 calendar year.

**II. 2023 Annual Report**

**A. GoGreen**

**1. Number of active GoGreen customers by month:**

<b>2023</b>	<b>Total Customers</b>
January	282
February	286
March	285
April	289
May	290
June	291
July	292
August	313
September	314
October	320
November	330
December	317

**2. Number of blocks of GoGreen RECs sold per month:**

<b>2023</b>	<b>Monthly Blocks</b>	<b>Total Cumulative Blocks</b>
January	7,020	7,020
February	7,049	14,069
March	7,054	21,123
April	7,070	28,193
May	7,062	35,255
June	7,067	42,322
July	7,069	49,391
August	7,184	56,575
September	7,178	63,753
October	7,214	70,967
November	7,375	78,342
December	7,271	85,613

\*Note: One Block = 100 kWh

**3. GoGreen revenues billed: \$91,256**

*Note: Year end net revenues include arrears and cancellation adjustments.*

**4. REC expense:**

2023: REC Acquisition Cost of \$25,163 for 9,150 Hydro RECs

**5. GoGreen Marketing Costs by major category:**

Campaign Promotion & Distribution Costs: \$27,021

- Email campaigns
- Semi Annual Loyalty Emails and Thank You Cards
- Marketing Labor costs
- Plant a Tree campaign

Administrative costs: Labor and call center costs: \$19,757

**6. GoGreen Summary of program activities, results, and observations:**

In 2023, year-end participation was 317 active customers compared to 282 customers in the previous year. Customers are supporting 5 blocks or 500 kWh per month on average, which equates to 3 blocks over the minimum purchase required. Net revenues billed were \$91,256 which includes adjustments for cancellations and arrears.

*Note- The average number of blocks equated does not include a 5,600-block subscription from a commercial customer.*

Active customers received an update on the program via semi-annual Thank You cards. Planned 2024 marketing includes email and other cost-effective marketing channels, such as the residential and non-residential newsletters, and program awareness on duke-energy.com for acquiring new program customers.

**7. Description of contractual arrangements with large commercial and industrial Green Power:**

There were no contractual arrangements with large customers in 2023.

**8. Green Power generated and delivered as of December 31, 2023:**

From January through December 31, 2023, approximately 9.15 million kWh of Green Power was supported and delivered as a result of cumulative blocks purchased through RECs. Since the Program began in 2010, 20.34 million kWh have been supported.

**9. Calculation of CO<sub>2</sub> offsets from blocks of Green Power as of December 31, 2023:**

Since the Program began in July 2010, the Company estimates the program has led to CO<sub>2</sub> equivalencies of 8,799 metric tons.

Source: [Greenhouse Gas Equivalencies Calculator | US EPA](#)

**10. Suppliers of REC purchase:**

ACT Commodities

Hydro RECs located in Kentucky:

Ohio Falls 1 Hydro

Ohio Falls 5 Hydro

Ohio Falls 6 Hydro

**11. Quantity of REC purchase: 9,150**

**12. Actual total costs of GoGreen RECs for reporting period:**

\$2.75 per REC

**13. Estimated sales in the future period, in kWh for Go Green:**

2024 Estimates: 86,000 blocks

**14. Forecasted costs of RECs per kWh, including those in inventory:**

REC Cost: Current RECs in inventory were purchased at \$2.75 per Hydro REC from the state of Kentucky. Future REC prices are difficult to predict as they can be volatile, but the program team will continue to monitor prices throughout the year to help make informed purchases.

Respectfully submitted,

DUKE ENERGY KENTUCKY, INC.

/s/Rocco D'Ascenzo

Rocco D'Ascenzo (92796)

Deputy General Counsel

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**CERTIFICATE OF SERVICE**

The undersigned hereby certifies that a copy of the GoGreen Rider Annual Informational

Filing was delivered electronically this 28<sup>th</sup> day of March 2024, to the following:

John G. Horne, II  
The Office of the Attorney General  
Utility Intervention and Rate Division  
700 Capital Avenue, Ste 118  
Frankfort, Kentucky 40601

/s/Rocco D'Ascenzo

Rocco D'Ascenzo