

COMMONWEALTH OF KENTUCKY

BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

**ELECTRONIC APPLICATION OF DUKE ENERGY)
KENTUCKY, INC. FOR (1) AN ADJUSTMENT OF)
ELECTRIC RATES; (2) APPROVAL OF NEW) CASE NO. 2022-00372
TARIFFS; (3) APPROVAL OF ACCOUNTING)
PRACTICES TO ESTABLISH REGULATORY ASSETS)
AND LIABILITIES; AND (4) ALL OTHER REQUIRED)
APPROVALS AND RELIEF)**

CORRECTED DIRECT TESTIMONY AND EXHIBITS OF

STEVE W. CHRISS

ON BEHALF OF

WALMART INC.

MARCH 10, 2023

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Exhibit SWC-5: Calculation of Rate of Return Indexes, DEK Cost of Service Results, 12 CP Methodology

1 **Introduction**

2 **Q. PLEASE STATE YOUR NAME, BUSINESS ADDRESS, AND OCCUPATION.**

3 A. My name is Steve W. Chriss. My business address is 2608 SE J St., Bentonville, AR
4 72716-0550. I am employed by Walmart Inc. ("Walmart") as Director, Energy
5 Services.

6 **Q. ON WHOSE BEHALF ARE YOU TESTIFYING IN THIS CASE?**

7 A. I am testifying on behalf of Walmart.

8 **Q. PLEASE DESCRIBE YOUR EDUCATION AND EXPERIENCE.**

9 A. In 2001, I completed a Master of Science in Agricultural Economics at Louisiana State
10 University. From 2001 to 2003, I was an Analyst and later a Senior Analyst at the
11 Houston office of Econ One Research, Inc., a Los Angeles-based consulting firm. My
12 duties included research and analysis on domestic and international energy and
13 regulatory issues. From 2003 to 2007, I was an Economist and later a Senior Utility
14 Analyst at the Public Utility Commission of Oregon in Salem, Oregon. My duties
15 included appearing as a witness for PUC Staff in electric, natural gas, and
16 telecommunications dockets. I joined the Energy Department at Walmart in July 2007
17 as Manager, State Rate Proceedings. I was promoted to Senior Manager, Energy
18 Regulatory Analysis, in June 2011. I was promoted to my current position in October
19 2016 and the position was re-titled in October 2018. My Witness Qualifications
20 Statement is attached as Exhibit SWC-1.

1 **Q. HAVE YOU PREVIOUSLY SUBMITTED TESTIMONY BEFORE THE KENTUCKY PUBLIC**
2 **SERVICE COMMISSION (“COMMISSION”)?**

3 A. Yes. I submitted testimony in Case Nos. 2009-00459, 2014-00396, 2014-00371, 2014-
4 00372, and 2017-00179.

5 **Q. HAVE YOU PREVIOUSLY SUBMITTED TESTIMONY BEFORE OTHER STATE**
6 **REGULATORY COMMISSIONS?**

7 A. Yes. I have submitted testimony in over 250 proceedings before 42 other utility
8 regulatory commissions. I have also submitted testimony before legislative
9 committees in Missouri, Kansas, North Carolina, and South Carolina. My prior
10 testimony has addressed topics including, but not limited to, cost of service and rate
11 design, return on equity (“ROE”), revenue requirements, ratemaking policy, large
12 customer renewable programs, qualifying facility rates, telecommunications
13 deregulation, resource certification, energy efficiency/demand side management
14 (“EE/DSM”), fuel cost adjustment mechanisms, decoupling, and the collection of cash
15 earnings on construction work in progress.

16 **Q. ARE YOU SPONSORING EXHIBITS IN YOUR TESTIMONY?**

17 A. Yes. I am sponsoring the exhibits listed in the Table of Contents.

18 **Q. PLEASE BRIEFLY DESCRIBE WALMART'S OPERATIONS IN KENTUCKY.**

19 A. As shown on Walmart’s website, Walmart operates 101 retail units, two distribution
20 centers, and a fulfillment center and employs over 30,000 associates in Kentucky. In
21 fiscal year ending 2022, Walmart purchased \$760 million worth of goods and services

1 from Kentucky-based suppliers, supporting over 57,000 supplier jobs.¹

2 **Q. PLEASE BRIEFLY DESCRIBE WALMART’S OPERATIONS WITHIN DUKE ENERGY**
3 **KENTUCKY, INC.’S (“DEK” or “COMPANY”) SERVICE TERRITORY.**

4 A. Walmart has five stores and related facilities that take electric service from the
5 Company, primarily on the Company’s Rate DT, Time-of-Day Rate for Service at
6 Distribution Voltage (“DT”).

7

8 **Purpose of Testimony and Summary of Recommendations**

9 **Q. WHAT IS THE PURPOSE OF YOUR TESTIMONY?**

10 A. The purpose of my testimony is to provide Walmart’s response to DEK’s rate case filing
11 and to provide recommendations to assist the Commission in its thorough and careful
12 consideration of the customer impact of the Company’s proposed rate increase.

13 **Q. IN SETTING THE REVENUE REQUIREMENT, ROE, ALLOCATION, AND RATE DESIGN**
14 **CHANGES FOR THE COMPANY, SHOULD THE COMMISSION CONSIDER THE IMPACT**
15 **OF THE PROPOSED RATE INCREASE ON BUSINESS CUSTOMERS?**

16 A. Yes. Electricity is a significant operating cost for retailers such as Walmart. When
17 electric rates increase, the increased cost to retailers can put pressure on consumer
18 prices and on the other expenses required by a business to operate. The Commission
19 should thoroughly and carefully consider the impact on customers when examining

¹ <https://corporate.walmart.com/about/kentucky>

1 the requested revenue requirement and ROE, in addition to all other facets of this
2 case, to ensure that any increase in the Company's rates is the minimum amount
3 necessary to provide safe, adequate, and reliable service, while also providing DEK the
4 opportunity to recover its reasonable and prudent costs and earn a reasonable return
5 on its investment.

6 **Q. PLEASE SUMMARIZE WALMART'S RECOMMENDATION TO THE COMMISSION.**

7 A. Walmart's recommendations to the Commission are as follows:

8 1. The Commission should closely examine the Company's proposed revenue
9 requirement increase and the associated proposed increase in ROE, especially
10 when viewed in light of the following:

- 11 a. The customer impact of the proposed revenue requirement increase;
- 12 b. The use of a forecasted test year, which reduces regulatory lag by allowing the
13 utility to include the most current information in its rates at the time they will
14 be in effect;
- 15 c. Recent rate case ROEs approved by the Commission;
- 16 d. Recent rate case ROEs awarded to sister companies of DEK; and
- 17 e. Recent rate case ROEs approved by other commissions nationwide.

18 2. For the purposes of this case, and in recognition of the Commission's approval of
19 the 12 coincident peak ("12 CP") production capacity cost allocation methodology
20 in the Company's last rate case, Walmart does not oppose the use of the 12 CP
21 methodology in this case. However, if the Commission determines that it is
22 appropriate to move away from the 12 CP methodology, Walmart recommends

1 the Commission approve the Company's proposed Average and Excess ("A&E")
2 methodology utilizing the non-coincident peak ("NCP") for each customer class, or
3 A&E NCP.

4 3. Due to the level of the Company's proposed increase, if the Commission were to
5 authorize DEK its proposed revenue requirement increase, Walmart does not
6 oppose the Company's revenue allocation proposal; however, if the Commission
7 awards a revenue requirement increase lower than that proposed by the
8 Company, the Commission should increase the percentage of the proposed
9 revenue neutral adjustment above five (5) percent, such that all rate classes are
10 moved closer to their respective costs of service. In further moving classes closer
11 to their cost of service, the Commission should also ensure that no class receives
12 a rate increase greater than that originally proposed by the Company.

13 4. Walmart does not oppose the Company's Rate DT proposal.

14 5. Walmart appreciates DEK's efforts to develop the Clean Energy Connection
15 ("CEC") Program and recommends that the Commission approve it.

16 6. The Commission should require additional language to be added to the Company's
17 proposed Rate MRC – Electric Vehicle ("EV") Site Make Ready Service ("Rate
18 MRC") tariff that conditions the Company's ability to add metering and load
19 research devices subject to mutual agreement between the Company and the
20 participating customer on data privacy and security parameters.

21

1 **Q. DOES THE FACT THAT YOU MAY NOT ADDRESS AN ISSUE OR POSITION ADVOCATED**
2 **BY THE COMPANY INDICATE WALMART’S SUPPORT?**

3 A. No. The fact that an issue is not addressed herein or in related filings should not be
4 construed as an endorsement of, agreement with, or consent to any filed position.

5

6 **Revenue Requirement and Return on Equity**

7 **Q. WHAT IS YOUR UNDERSTANDING OF THE COMPANY’S PROPOSED REVENUE**
8 **REQUIREMENT INCREASE IN THIS CASE?**

9 A. My understanding is that DEK requests a revenue requirement increase of \$75.2
10 million, based on a forecasted test year ending June 30, 2024. See Direct Testimony
11 of Amy B. Spiller, page 26, line 6 and page 28, line 5 to line 6.

12 **Q. WHAT IS THE COMPANY’S PROPOSED ROE IN THIS CASE?**

13 A. DEK proposes an ROE of 10.35 percent, based on a range of 9.85 percent to 10.85
14 percent. See Direct Testimony of Joshua C. Nowak, page 4, line 3 to line 5. The
15 requested ROE at the Company’s proposed capital structure and cost of debt results
16 in a proposed weighted average cost of capital (“WACC”) of 7.526 percent. See
17 Schedule A-1.

18 **Q. IS WALMART CONCERNED ABOUT THE REASONABLENESS OF THE COMPANY’S**
19 **PROPOSED ROE?**

20 A. Yes. Walmart is concerned that the Company’s proposed ROE is excessive, especially
21 when viewed in light of the following:

22 a. The customer impact of the proposed revenue requirement increase;

- 1 b. The use of a forecasted test year, which reduces regulatory lag by allowing the
2 utility to include the most current information in its rates at the time they will be
3 in effect;
- 4 c. Recent rate case ROEs approved by the Commission;
- 5 d. Recent rate case ROEs awarded to sister companies of DEK; and
- 6 e. Recent rate case ROEs approved by other commissions nationwide.

7

8 **Customer Impact**

9 **Q. WHAT IS YOUR UNDERSTANDING OF THE COMPANY’S CURRENTLY APPROVED ROE?**

10 A. My understanding is that the Company’s currently approved ROE is 9.25 percent.²

11 **Q. HAVE YOU CALCULATED AN ESTIMATE OF THE REVENUE REQUIREMENT IMPACT**
12 **FROM THE COMPANY’S PROPOSED 110 BASIS INCREASE IN ROE?**

13 A. Yes. Using the Company’s proposed rate base, capital structure, and cost of debt, the
14 impact on the Company’s proposed revenue requirement is approximately \$9.1
15 million, or 12 percent of the proposed revenue deficiency of \$75.2 million. See Exhibit
16 SWC-2.

17

² *In the Matter of: Electronic Application of Duke Energy Kentucky, Inc. for 1) an Adjustment of the Electric Rates; 2) Approval of New Tariffs; 3) Approval of Accounting Practices to Establish Regulatory Assets and Liabilities; and 4) All Other Required Approvals and Relief, Case No. 2019-00271, Order (issued Apr. 27, 2020), page 46.*

1 **Recent ROEs Approved by the Commission**

2 **Q. IS THE COMPANY'S PROPOSED ROE SIGNIFICANTLY HIGHER THAN ROEs APPROVED**
3 **BY THE COMMISSION SINCE 2019?**

4 **A.** Yes. In addition to the Company's currently approved ROE, the Commission has
5 approved the following ROEs for electric utilities since 2019:

- 6 • In Case No. 2020-00174, the Commission approved an ROE of 9.30 percent for
7 Kentucky Power Company.³
- 8 • In Case No. 2018-00294, the Commission approved an ROE of 9.725 percent for
9 Kentucky Utilities Company,⁴ but later reduced the approved ROE to 9.425 percent
10 in Case No. 2020-00349.⁵
- 11 • Similarly, in Case No. 2018-00295, the Commission approved an ROE of 9.725
12 percent for Louisville Gas & Electric Company,⁶ and subsequently reduced the ROE
13 to 9.425 percent in Case No. 2020-00350.⁷

³ *In the Matter of: Electronic Application of Kentucky Power Company for (1) a General Adjustment of its Rates for Electric Service; (2) Approval of Tariffs and Riders; (3) Approval of Accounting Practices to Establish Regulatory Assets and Liabilities; (4) Approval of a Certificate of Public Convenience and Necessity; and (5) All Other Required Approvals and Relief*, Case No. 2020-00174, Order (issued Jan. 13, 2021), page 50.

⁴ *In the Matter of: Electronic Application of Kentucky Utilities Company for an Adjustment of its Electric Rates*, Case No. 2018-00294, Order (issued Apr. 30, 2019), page 8.

⁵ *In the Matter of: Electronic Application of Kentucky Utilities Company for an Adjustment of its Electric Rates, a Certificate of Public Convenience and Necessity to Deploy Advanced Metering Infrastructure, Approval of Certain Regulatory and Accounting Treatments, and Establishment of a One-Year Surcredit*, Case No. 2020-00349, Order (issued June 30, 2021), page 23.

⁶ *In the Matter of: Electronic Application of Louisville Gas and Electric Company for an Adjustment of its Electric and Gas Rates*, Case No. 2018-00295, Order (issued Apr. 30, 2019), pages 8, 33.

⁷ *In the Matter of: Electronic Application of Louisville Gas and Electric Company for an Adjustment of its Electric and Gas Rates, a Certificate of Public Convenience and Necessity to Deploy Advanced Metering Infrastructure, Approval of Certain Regulatory and Accounting Treatments, and Establishment of a One-Year Surcredit*, Case No. 2020-00350, Order (issued June 30, 2021), page 25.

1 As such, the Company's proposed ROE of 10.35 percent is counter to recent ROEs
2 approved by the Commission.

3

4 ***Recent ROEs Awarded to DEK Sister Companies***

5 **Q. IS THE COMPANY'S TOTAL PROPOSED ROE SIMILAR TO ROEs RECENTLY AWARDED**
6 **TO ITS AFFILIATE/SISTER COMPANIES?**

7 A. No. There have been a number of recent rate case decisions involving DEK affiliates,
8 and the ROE decisions in those cases are significantly below the 10.35 percent ROE
9 sought in this proceeding, including:

- 10 • On March 8, 2023, Duke Energy Progress was awarded an ROE of 9.60 percent by
11 the Public Service Commission of South Carolina ("SC PSC").⁸
- 12 • On December 14, 2022, the Public Utilities Commission of Ohio ("PUCO") awarded
13 Duke Energy Ohio, Inc., an ROE of 9.50 percent.⁹

14 The Company's proposed ROE of 10.35 percent is counter to recent ROEs awarded to
15 DEK affiliates.

16

⁸ *In Re: Application of Duke Energy Progress, LLC for Increase in Electric Rates, Adjustments in Electric Rate Schedules and Tariffs, and Request for an Accounting Order*, SC PSC Docket No. 2022-254-E, Order No. 2023-138 (issued March 8, 2023), page 41.

⁹ *In the Matter of the Application of Duke Energy Ohio, Inc. for an Increase in Electric Distribution Rates*, PUCO Case Nos. 21-887-EL-AIR, *et al.*, Opinion and Order (issued Dec. 14, 2022), page 60.

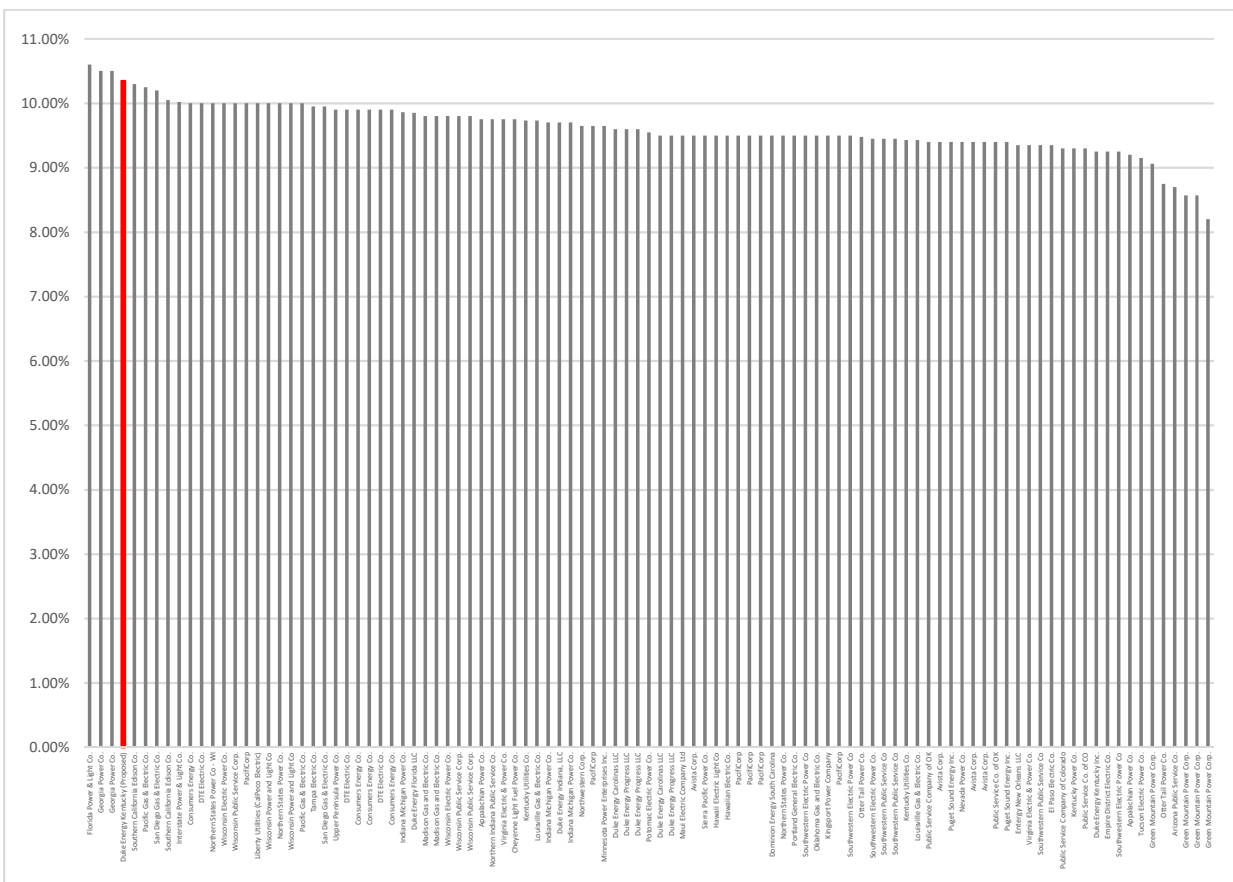
1 ***National Utility Industry ROE and Weighted Equity Cost Trends***

2 **Q. IS THE COMPANY'S TOTAL PROPOSED ROE SIGNIFICANTLY HIGHER THAN THE ROES**
3 **APPROVED BY OTHER UTILITY REGULATORY COMMISSIONS IN 2019, 2020, 2021,**
4 **2022, AND SO FAR IN 2023?**

5 A. Yes. According to data from S&P Global Market Intelligence ("S&P Global"), a financial
6 news and reporting company, the average of the 141 reported electric utility rate case
7 ROEs authorized by commissions to investor-owned utilities in 2019, 2020, 2021,
8 2022, and so far in 2023, is 9.48 percent. See Exhibit SWC-3. The range of reported
9 authorized electric ROEs for the period is 7.36 percent to 10.60 percent, and the
10 median authorized electric ROE is 9.50 percent. See *id.* As such, the Company's total
11 proposed ROE of 10.35 percent is counter to broader electric industry trends.

12 **Q. SEVERAL OF THE REPORTED AUTHORIZED ROES ARE FOR DISTRIBUTION-ONLY**
13 **UTILITIES OR FOR ONLY A UTILITY'S DISTRIBUTION SERVICE RATES. WHAT IS THE**
14 **AVERAGE AUTHORIZED ROE IN THE REPORTED GROUP FOR VERTICALLY**
15 **INTEGRATED UTILITIES?**

16 A. In the group reported by S&P Global, the average ROE for vertically integrated utilities
17 authorized over the same time period is 9.61 percent. The average ROE authorized
18 for vertically integrated utilities in 2019 was 9.73 percent, in 2020 it was 9.55 percent,
19 in 2021 it was 9.54 percent, in 2022 it was 9.63 percent, and so far in 2023 is 9.68
20 percent. *Id.* As such, the Company's proposed total ROE of 10.35 percent is counter
21 to broader electric industry trends and, in fact, as shown in Figure 1, if approved,
22 would be among the highest ROEs approved since 2019.



1
 2 **Figure 1. DEK Proposed Total ROE of 10.35 Percent Versus Approved ROEs, Vertically**
 3 **Integrated Utilities, 2019 to Present.**

4
 5 **Q. WHAT IS THE DIFFERENCE IN REVENUE REQUIREMENT BETWEEN THE COMPANY’S**
 6 **PROPOSED 10.35 PERCENT ROE AND 9.61 PERCENT, WHICH IS THE AVERAGE**
 7 **AUTHORIZED ROE FOR VERTICALLY INTEGRATED UTILITIES FROM 2019 TO PRESENT?**

8 A. The difference in revenue requirement is approximately \$6.1 million, or 8.0 percent
 9 of the Company’s proposed revenue deficiency. See Exhibit SWC-4.

10 **Q. IS WALMART RECOMMENDING THAT THE COMMISSION BE BOUND BY ROES**
 11 **AUTHORIZED BY OTHER STATE REGULATORY COMMISSIONS?**

12 A. No. Decisions of other state regulatory commissions are not binding on this
 13 Commission. Each commission considers the specific circumstances in each case in its

1 determination of the proper ROE and capital structure. Walmart is providing this
2 information on industry trends on ROE from its perspective as a customer with
3 nationwide operations as it believes that recently authorized ROEs in other
4 jurisdictions provide a general gauge of reasonableness for the various cost of equity
5 analyses presented in this case. Moreover, Walmart believes that it is appropriate for
6 the Commission to consider how any ROE authorized in this case impacts existing and
7 prospective customers relative to other jurisdictions.

8

9 **Cost of Service and Revenue Allocation**

10 **Q. GENERALLY, WHAT IS WALMART'S POSITION ON SETTING RATES BASED ON THE**
11 **UTILITY'S COST OF SERVICE?**

12 A. Walmart advocates that rates be set based on the utility's cost of service for each rate
13 class. This produces equitable rates that reflect cost causation, sends proper price
14 signals, and minimizes price distortions.

15

16 ***Production Plant Cost Allocation***

17 **Q. WHAT IS YOUR UNDERSTANDING OF THE PURPOSE OF PRODUCTION PLANT FIXED**
18 **COST ALLOCATION?**

19 A. Production plant cost allocation is the process of allocating to each customer class the
20 fixed costs of a utility's generation assets. Fixed costs are defined as costs that do not

1 vary with the level of output and must be paid even if there is no output.¹⁰

2 **Q. DO A UTILITY’S FIXED PRODUCTION PLANT COSTS CHANGE BASED ON THE AMOUNT**
3 **OF ELECTRICITY GENERATED?**

4 A. No. The utility’s fixed production plant costs do not change with changes in the
5 amount of electricity generated. For example, if a generating unit is not dispatched
6 and produces no energy, the fixed costs are not avoided by the utility or customers.
7 Generation units can be built and operated for different reasons, such as lower fuel
8 costs or reliability, but the way in which a generation unit is operated does not change
9 the fact that the fixed costs are, in fact, fixed and should be treated as such in the
10 production capacity cost allocation.

11 **Q. IS IT YOUR UNDERSTANDING THAT PRODUCTION PLANT CAPACITY IS SIZED TO MEET**
12 **THE MAXIMUM DEMAND IMPOSED ON THE SYSTEM BY THE COMPANY’S**
13 **CUSTOMERS?**

14 A. Yes. It is my understanding that the timing and size of a utility’s production plant
15 capacity additions are generally made to meet the maximum demand placed on the
16 utility’s system by all customer classes, also known as its coincident peak (“CP”). All
17 of a utility’s generation units are needed to meet that demand, and removing any of
18 the units from that stack will limit the utility’s ability to do so.

¹⁰ Pindyck, Robert S. and Daniel L. Rubinfeld, “Microeconomics”, 5th ed., 2001, page 206.

1 **Q. WHY IS IT IMPORTANT FOR THE ALLOCATION OF PRODUCTION PLANT COSTS TO**
2 **RECOGNIZE THAT PRODUCTION CAPACITY IS DESIGNED TO MEET SYSTEM PEAK?**

3 A. Basing the allocation of production plant fixed costs on the utility's system peak
4 ensures that the resulting rates reflect cost causation and minimizes cost
5 responsibility shifts between rate classes. Allocation of fixed production plant costs
6 on a variable, or energy, basis can introduce shifts in cost responsibility from lower
7 load factor classes to higher load factor classes. Under an energy allocator, two
8 customer classes can have the same contribution to system peak demand in the test
9 year and cause the Company to incur the same amount of fixed costs to meet that
10 demand, but because one class uses more kWh (energy) than the other, that class will
11 pay more of the Company's fixed costs than the class that uses less kWh (energy).
12 Additionally, use of an energy allocator implies that the generation plant to which that
13 allocator is applied has no fixed cost, which is plainly not the case.

14 **Q. WHAT IS YOUR UNDERSTANDING OF THE PRODUCTION COST ALLOCATOR**
15 **PROPOSED BY DEK IN THIS CASE?**

16 A. My understanding is that DEK proposes an allocator based on the average of the
17 Company's 12 coincident peaks, or 12 CP. The Company also calculated two alternate
18 cost of service studies, one using an A&E allocator based on the NCP for each
19 customer class, or A&E NCP, and the other using a production stacking methodology
20 that allocates power plants defined as baseload on an energy basis and defined as
21 peaking capacity on a demand basis. See Direct Testimony of James E. Ziolkowski,
22 page 5, line 11 to page 6, line 9.

1 **Q. WHY DOES THE COMPANY PROPOSE THE 12 CP PRODUCTION CAPACITY COST**
2 **ALLOCATOR?**

3 A. The Company proposes the 12 CP production capacity cost allocator for three reasons.
4 First, they state that it is generally accepted within the utility industry and was
5 approved by the Commission in their last rate case. Second, the Company uses this
6 allocator in their Indiana territory. Finally, the Company believes there is no
7 compelling reason to change methodologies. *Id.*, page 6, line 17, to page 7, line 1.

8 **Q. WHAT IS WALMART'S POSITION ON THE COMPANY'S PROPOSED ALLOCATOR?**

9 A. For the purposes of this case, and in recognition of the Commission's approval of the
10 12 CP methodology in the Company's last rate case, Walmart does not oppose the use
11 of the 12 CP methodology. However, if the Commission determines that it is
12 appropriate to move away from the 12 CP methodology, Walmart recommends that
13 the Commission approve the Company's proposed A&E NCP methodology.

14 **Q. WHAT IS YOUR UNDERSTANDING OF AN A&E ALLOCATOR?**

15 A. An A&E allocator is an allocator that recognizes the contribution of each class to the
16 utility's average demand, which is total annual kWh divided by 8,760 hours in a typical
17 year, as well as the relative peak demand of each class. As such, A&E is a methodology
18 often used when a Commission determines that production plants are used to provide
19 energy as well as peak demand. However, the A&E allocator differs from other
20 allocators that have an energy component in that it does not double count the energy
21 portion of the allocator, which otherwise punishes high load factor customers.
22 Additionally, the A&E allocator does not rely on fixed, subjective resource definitions

1 that are incompatible with the flexible nature of regional transmission organization
2 ("RTO") dispatch of generation, as is the case with the production stacking allocator.
3 As such, even with its use of energy as part of the allocator, the A&E allocator is, in
4 my experience, an objective, transparent, and reasonable production plant cost
5 allocator.

6 **Q. HOW IS THE A&E ALLOCATOR CALCULATED?**

7 A. Mechanically, the CP or NCP peak demand value for each class – in DEK's case, NCP –
8 is subdivided into average demand and excess demand. The average demand, or
9 energy portion for each class, is weighted by the system load factor. The excess
10 demand portion, which is the difference between the average demand and the peak
11 demand for each class, is weighted by 1 minus the system load factor. As a result, as
12 system load factor increases and the system gets less peaky, the overall weighting of
13 the average demand portion of the allocator increases, and conversely, as the system
14 load factor decreases and the system gets more peaky, the overall weighting of the
15 excess demand portion of the allocator increases. At a theoretical maximum of 100
16 percent system load factor, the A&E allocator is essentially an energy allocator.

17

18 ***Revenue Allocation***

19 **Q. HOW DOES THE COMPANY REPRESENT WHETHER RATES FOR A CUSTOMER CLASS**
20 **ACCURATELY REFLECT THE UNDERLYING COST OF SERVICE?**

21 A. The Company represents this relationship in its cost of service study results through
22 the use of class-specific rates of return. See Direct Testimony of James E. Ziolkowski,

1 Exhibit JEZ-2. These rates of return can be converted into a rate of return index
2 (“RRI”), which is an indexed measure of the relationship of the rate of return for an
3 individual rate class to the total system rate of return. An RRI greater than 1.0 means
4 that the rate class is paying rates in excess of the costs incurred to serve that class,
5 and an RRI less than 1.0 means that the rate class is paying rates less than the costs
6 incurred to serve that class. As such, those rate classes with an RRI greater than 1.0
7 shoulder or subsidize some of the revenue responsibility for the classes with an RRI
8 less than 1.0.

9 **Q. HAVE YOU CALCULATED A RRI FOR EACH CUSTOMER CLASS BASED ON DEK’S COST**
10 **OF SERVICE RESULTS AT PRESENT RATES?**

11 A. Yes, as shown in Table 1 below, accompanied by the Company’s calculation of inter-
12 class subsidization.

Table 1. Rate of Return Index, DEK Proposed Cost of Service Study Results, 12 CP Methodology, Present Rates.

Customer Class	Rate of Return (%)	RRI	Revenue Overcollection / (Undercollection) (\$000)
Rate RS	0.11	0.04	(\$19,959)
Rate DS	5.96	2.18	\$13,383
Rate GS-FL	13.32	4.88	\$219
Rate EH	1.41	0.52	(\$100)
Rate SP	14.79	5.42	\$8
Rate DT – Secondary	4.23	1.55	\$2,778
Rate DT – Primary	3.57	1.31	\$1,207
Rate DP	8.14	2.98	\$206
Rate TT	7.68	2.81	\$1,697
Lighting	0.02	0.01	(\$359)
Other – Water Pumping	2652.82	971.91	\$919
Total Company	2.73	1.00	

Sources: Exhibit JEZ-2 and Exhibit SWC-5.

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Q. DO THE RATES FOR RATE DT – SECONDARY PROVIDE A RATE OF RETURN FOR THE COMPANY IN EXCESS OF ITS COST OF SERVICE LEVELS?

A. Yes. As shown in Table 1, DEK’s cost of service results show that Rate DT – Secondary, with an RRI of 1.55, provide a rate of return significantly above the cost of service level for the class. Per the Company’s cost of service study at present rates, Rate DT – Secondary customers annually pay over \$2.78 million in subsidies to other customer classes.

Q. WHAT IS YOUR UNDERSTANDING OF THE COMPANY’S REVENUE ALLOCATION PROPOSAL?

A. My understanding is that the Company proposes a two-step process to allocate revenues. The Company proposes to first eliminate five percent of the subsidy or

1 excess revenues between customer classes based on present revenues, also called a
2 “revenue neutral adjustment,” and then allocate the increase based on electric
3 original cost depreciated rate base. See Direct Testimony of James E. Ziolkowski, page
4 28, line 19 to page 29, line 3. The Company states that this proposal would not move
5 rates for each class to cost, but it will make some movement in that direction. *Id.*,
6 page 29, line 21 to line 22.

7 **Q. WHAT IS WALMART’S RECOMMENDATION TO THE COMMISSION IF THE**
8 **COMMISSION WERE TO AUTHORIZE DEK ITS PROPOSED REVENUE REQUIREMENT**
9 **INCREASE?**

10 A. Due to the level of the Company’s proposed increase, if the Commission were to
11 authorize DEK its proposed revenue requirement increase, Walmart does not oppose
12 the Company’s revenue allocation proposal.

13 **Q. WHAT IS WALMART’S RECOMMENDATION TO THE COMMISSION IF THE**
14 **COMMISSION AWARDS A REVENUE REQUIREMENT INCREASE LOWER THAN THAT**
15 **PROPOSED BY THE COMPANY?**

16 A. If the Commission awards a revenue requirement increase lower than that proposed
17 by the Company, the Commission should increase the percentage of the proposed
18 revenue neutral adjustment above five percent, such that classes are moved closer to
19 their respective costs of service but should also ensure that no class receives an
20 increase greater than that originally proposed by the Company.

21

1 **Rate DT**

2 **Q. WHAT IS YOUR UNDERSTANDING OF THE RATE DT RATE STRUCTURE?**

3 A. My understanding is that the Rate DT rate structure currently contains the following
4 charges:

5 1) A \$/month customer charge;

6 2) Summer and winter \$/on-peak kW and \$/off-peak kW demand charges;

7 3) Summer and winter \$/kWh on-peak and off-peak energy charges; and

8 4) Summer and winter \$/kWh on-peak energy charges and a year-round off-peak
9 energy charge. *See* KY P.S.C. No. 2, Twelfth Revised Sheet No. 41.

10 **Q. WHAT IS YOUR UNDERSTANDING OF DEK'S PROPOSED CHANGES TO RATE DT?**

11 A. My understanding is that the Company proposes to create a new distribution demand
12 charge for the recovery of distribution costs and simultaneously remove distribution
13 demand cost recovery from any other charges. *See* Direct Testimony of Bruce L.
14 Sailers, page 10, line 14 to line 20. The Company proposes to bill the charge based on
15 the 15-minute maximum demand during the billing period. *See* Schedule L-1, page
16 38.

17 **Q. DOES WALMART OPPOSE THE COMPANY'S PROPOSAL?**

18 A. No. The Company's proposal aligns the distribution rate with how distribution costs
19 are incurred and transparently presents them in the tariff.

20

1 ***Clean Energy Connection***

2 **Q. HAS WALMART ESTABLISHED CORPORATE RENEWABLE ENERGY GOALS?**

3 A. Yes. Walmart has long had aggressive and significant company-wide renewable
4 energy goals. Indeed, on September 21, 2020, we announced new targets, including:
5 (1) to be supplied 100 percent by renewable energy by 2035; and (2) zero carbon
6 emissions in our operations, including our transportation fleet vehicles, without the
7 use of offsets, by 2040. We have also set a goal to transition to low-impact refrigerants
8 for cooling and electric equipment for heating by 2040.¹¹ To date, Walmart has
9 contracted for or currently takes electricity from one or more renewable resources in
10 at least 29 states.

11 **Q. WHAT CHANNELS DOES WALMART UTILIZE TO SECURE RENEWABLE ENERGY**
12 **RESOURCES?**

13 A. To meet our renewable energy goals, Walmart utilizes three primary channels to
14 secure renewable energy resources:

- 15 • **Contracting for on-site resources:** Walmart contracts for on-site, behind the
16 meter resources through power purchase agreements (“PPAs”) and leases that
17 allow performance guarantees. These resources replace grid energy and are
18 priced with the expectation that the operating costs for the site are reduced. As
19 storage technology develops Walmart will also look to explore opportunities for
20 storage integration to manage our peak demands and provide some level of

¹¹ <https://corporate.walmart.com/newsroom/2020/09/21/walmart-sets-goal-to-become-a-regenerative-company>

1 resilience.

- 2
- 3 • **Contracting for off-site resources:** These products are typically structured to
4 replace other energy, both physically and on the bill. This mechanism allows
5 Walmart to leverage its scale to drive the best project economics while
6 simultaneously minimizing transaction time and costs. To date, Walmart has
7 contracted for these resources in deregulated markets through Texas Retail
8 Energy, LLC, a competitive electric supplier wholly owned by Walmart that serves
9 as our electric supplier in most deregulated retail markets, to directly serve our
10 load. We have also entered into “Virtual Power Purchase Agreements” in
11 deregulated wholesale markets, which do not directly serve our load but allow us
12 to bring new large-scale renewable resources to the market.
 - 13 • **Utility partnerships:** Walmart works with its utility partners to develop useable
14 commercial and industrial (“C&I”) programs and economic structures targeted to
15 function within the confines of the regulatory compact and with minimal impact
16 to non-participating customers. When this option is pursued, Walmart works to
17 ensure that programs it assists to develop can be used by the broader group of
18 large C&I customers, not merely Walmart. Walmart is unique in the large
19 commercial space because we have significant in-house rate and regulatory
20 expertise that we are willing to leverage to create opportunities to move the
21 entire industry forward. Recent examples include Duke Energy Florida’s Clean
22 Energy Connection Program, Florida Power and Light’s SolarTogether Program,
and Entergy Arkansas’ Green Promise Program, all of which are structurally similar

1 to DEK’s proposed CEC Program, which I discuss below. While Walmart assisted in
2 developing these opportunities, the opportunities are open to other interested
3 customers, not just Walmart.

4 **Q. CAN YOU PROVIDE INSIGHT INTO WALMART’S GENERAL FRAMEWORK FOR**
5 **EVALUATING RENEWABLE OPPORTUNITIES?**

6 A. Yes. Walmart's desire for renewable energy resources must be balanced against its
7 business needs. As a general rule, Walmart does not enter into premium structures or
8 programs that only result in additional costs to our facilities. Rather, Walmart seeks
9 renewable energy resources that deliver industry-leading cost, including renewable
10 and project specific attributes such as renewable energy credits (“RECs”), within
11 structures where the value proposition allows the customer to receive any potential
12 benefits brought about by taking on the risk of being served by that resource instead
13 of, or in addition to, the otherwise applicable resource portfolio. Additionally,
14 Walmart does not enter into contracts or programs with terms in excess of 15 years.

15 **Q. WHAT IS YOUR UNDERSTANDING OF THE COMPANY’S PROPOSED CEC PROGRAM?**

16 A. My understanding is that the Company proposes CEC as a community solar program
17 through which participating customers can subscribe to a share of a new solar facility.
18 See Direct Testimony of Paul L. Halstead, page 2, line 11 to line 15.

19 **Q. WHAT IS YOUR UNDERSTANDING OF THE PROPOSED CUSTOMER ELIGIBILITY**
20 **REQUIREMENTS?**

21 A. My understanding is the Company proposes that the program be open to all metered
22 customers, subject to subscription availability. See Schedule L-1, page 114.

1 **Q. WHAT SUBSCRIPTION AMOUNTS PER PARTICIPATING CUSTOMER DOES THE**
2 **COMPANY PROPOSE?**

3 A. The Company proposes that participating customers be able to subscribe in one kW
4 increments representing up to 100 percent of their previous 12-month total kWh
5 usage. Customers can increase the units purchased once per rolling 12-month period,
6 subject to program availability. Additionally, customers who present proof of
7 participation in local, state, or federal assistance are proposed to be eligible for
8 participation at the low-income pricing level. *Id.*

9 **Q. WHAT IS YOUR UNDERSTANDING OF THE COMPANY’S PROPOSED PROGRAM SIZE?**

10 A. My understanding is the Company anticipates an initial program size of 49 MW. *See*
11 Direct Testimony of Paul L. Halstead, page 6, line 22 to line 23. The Company proposes
12 an initial allocation of 37 MW to commercial customers, 10 MW to residential
13 customers, and 2 MW to income-qualified residential customers. *Id.*, page 23, line 10
14 to line 15.

15 **Q. WHAT TERM LENGTHS DOES THE COMPANY PROPOSE?**

16 A. The Company proposes a term length of no less than one billing cycle, or essentially
17 month-to-month, with customers ostensibly able to stay in the program for up to 30
18 years. *See* Schedule L-1, page 115 to page 116.

19 **Q. DOES THE COMPANY PROPOSE TERMINATION OR ASSIGNABILITY PROVISIONS AT**
20 **THIS TIME?**

21 A. Yes. Customers may terminate or reduce their participation after the first billing cycle.
22 Additionally, the Company proposes that if a customer transfers their service to a new

1 location that the subscription may also be transferred. Finally, the Company proposes
2 that if a customer leaves the CEC Program, they not be allowed to re-enroll for 12
3 months. *Id.*, page 115.

4 **Q. WHAT REC TREATMENT DOES THE COMPANY PROPOSE?**

5 A. The Company proposes to retire RECs on behalf of all customers unless a customer
6 requests for and pays for transfer of RECs to the customer's REC account. *Id.*

7 **Q. WHAT DOES THE COMPANY PROPOSE AS THE SUBSCRIPTION CHARGE?**

8 A. The Company proposes to structure the subscription charge as the NPV of 105 percent
9 of the CEC Program costs less 75 percent of the capital deferral and capacity benefits
10 associated with the underlying assets, charged on a \$/kW-month of subscription
11 capacity basis. See Direct Testimony of Paul L. Halstead, page 12, line 6 to line 10.

12 **Q. WHAT DOES THE COMPANY PROPOSE AS THE PROGRAM CREDIT?**

13 A. The Company proposes that the bill credit will be sufficient to, and capped at, the
14 amount to generate the forecasted participant payback with all excess provided to
15 non-participating customers. *Id.*, line 11 to line 14. The Company's proposed tariff
16 contains a 30-year credit structure. See Schedule L-1, page 116.

17 **Q. WHAT IS THE WALMART'S OVERALL IMPRESSION OF THE PROPOSED CEC**
18 **PROGRAM?**

19 A. Walmart appreciates DEK's efforts to develop the CEC Program in Kentucky and
20 recommends that the Commission approve the program.

1 **Q. DOES THE PROPOSED CEC PROGRAM MEET THE PARAMETERS SOUGHT BY**
2 **WALMART WHEN EXAMINING UTILITY PROGRAMS FOR RENEWABLE RESOURCES?**

3 A. Generally, yes. As I described earlier in my testimony, Walmart does not enter into
4 premium structures or programs that only result in additional costs to our facilities.
5 Rather, Walmart seeks renewable energy resources that deliver industry-leading cost,
6 including renewable and project specific attributes such as RECs, within structures
7 where the value proposition allows the customer to receive any potential benefits
8 brought about by taking on the risk of being served by that resource instead of, or in
9 addition to, the otherwise applicable resource portfolio. Additionally, Walmart does
10 not enter into programs with terms in excess of 15 years. DEK’s proposed CEC
11 Program meets all of these parameters.

12

13 ***Rate MRC***

14 **Q. WHAT IS YOUR UNDERSTANDING OF THE COMPANY’S MAKE READY PROGRAM AND**
15 **RATE MRC?**

16 A. My understanding is that the Company proposes Rate MRC as a credit mechanism to
17 defray installation costs incurred by customers who require infrastructure
18 improvements to install Level 2 or higher EV chargers. See Direct Testimony of
19 Cormack C. Gordon, page 13, line 6 to line 10.

20 **Q. DOES WALMART HAVE ANY FEEDBACK ON THE COMPANY’S PROPOSAL?**

21 A. Walmart generally supports the approval of the Company’s make ready program and
22 Rate MRC; however, the Commission should require one modification to the tariff

1 language and application process.

2 **Q. PLEASE EXPLAIN.**

3 A. The Company’s proposed Rate MRC tariff includes language allowing the Company
4 “the right to install...metering and load research devices as [the Company] deems
5 appropriate to collect customer data about the usage characteristics” of the EV
6 chargers that participate in the program. See Schedule L-1, page 123, “Metering
7 Requirements.” Additionally, the application requires the customer to submit a
8 “completed customer usage profile;” however, it is unclear precisely what this may
9 entail as the application was not included with DEK witness Gordon’s testimony. See
10 Direct Testimony of Cormack C. Gordon, page 16, line 8. These provisions are a
11 concern because they could expose proprietary and confidential customer EV
12 charging business operations data to the Company or competitors if they were to
13 pursue access to that data through regulatory processes.

14 **Q. WHAT IS WALMART’S RECOMMENDATION TO THE COMMISSION?**

15 A. Walmart recommends that the Commission should require additional language to be
16 added to the Company’s proposed Rate MRC tariff and to the application that
17 conditions the Company’s ability to add metering and load research devices or to
18 obtain confidential and proprietary load usage data as part of the application to
19 mutual agreement between the Company and the participating customer on data
20 privacy and security parameters.

21 **Q. DOES THIS CONCLUDE YOUR TESTIMONY?**

22 A. Yes.

VERIFICATION

In the Matter of:

ELECTRONIC APPLICATION OF DUKE)
ENERGY KENTUCKY, INC. FOR (1) AN)
ADJUSTMENT OF ELECTRIC RATES;)
(2) APPROVAL OF NEW TARIFFS;)
(3) APPROVAL OF ACCOUNTING)
PRACTICES TO ESTABLISH)
REGULATORY ASSETS AND LIABILITIES;)
AND (4) ALL OTHER REQUIRED)
APPROVALS AND RELIEF)

CASE NO. 2022-00372

STATE OF ARKANSAS)
)
COUNTY OF BENTON)

The undersigned, Steve W. Chriss, being duly sworn, deposes and says that he is Director, Energy Services for Walmart Inc., that he has personal knowledge of the matters set forth in the foregoing testimony, and that the answers contained therein are true and correct to the best of his information, knowledge, and belief.

[Handwritten signature of Steve W. Chriss]

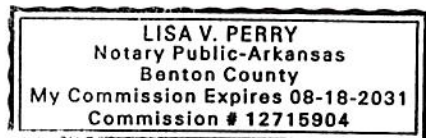
Steve W. Chriss

Subscribed and sworn to before me, a Notary Public in and before said County and State, this 7th day of April, 2023.

[Handwritten signature of Lisa V. Perry] (SEAL)

Notary Public

My Commission Expires: 8/18/2031



COMMONWEALTH OF KENTUCKY

BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

ELECTRONIC APPLICATION OF DUKE ENERGY)
KENTUCKY, INC. FOR (1) AN ADJUSTMENT OF)
ELECTRIC RATES; (2) APPROVAL OF NEW) CASE NO. 2022-00372
TARIFFS; (3) APPROVAL OF ACCOUNTING)
PRACTICES TO ESTABLISH REGULATORY ASSETS)
AND LIABILITIES; AND (4) ALL OTHER REQUIRED)
APPROVALS AND RELIEF)

CORRECTED EXHIBITS OF

STEVE W. CHRISS

ON BEHALF OF

WALMART INC.

COMMONWEALTH OF KENTUCKY

BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

**ELECTRONIC APPLICATION OF DUKE ENERGY)
KENTUCKY, INC. FOR (1) AN ADJUSTMENT OF)
ELECTRIC RATES; (2) APPROVAL OF NEW) CASE NO. 2022-00372
TARIFFS; (3) APPROVAL OF ACCOUNTING)
PRACTICES TO ESTABLISH REGULATORY ASSETS)
AND LIABILITIES; AND (4) ALL OTHER REQUIRED)
APPROVALS AND RELIEF)**

EXHIBIT SWC-1 OF

STEVE W. CHRISS

ON BEHALF OF

WALMART INC.

Steve W. Chriss

Walmart Inc.

Business Address: 2608 SE J Street, Bentonville, AR, 72716

EXPERIENCE

July 2007 – Present

Walmart Inc., Bentonville, AR

Director, Energy Services (October 2018 – Present)

Director, Energy and Strategy Analysis (October 2016 – October 2018)

Senior Manager, Energy Regulatory Analysis (June 2011 – October 2016)

Manager, State Rate Proceedings (July 2007 – June 2011)

June 2003 – July 2007

Public Utility Commission of Oregon, Salem, OR

Senior Utility Analyst (February 2006 – July 2007)

Economist (June 2003 – February 2006)

January 2003 - May 2003

North Harris College, Houston, TX

Adjunct Instructor, Microeconomics

June 2001 - March 2003

Econ One Research, Inc., Houston, TX

Senior Analyst (October 2002 – March 2003)

Analyst (June 2001 – October 2002)

EDUCATION

2001

Louisiana State University

M.S., Agricultural Economics

1997-1998

University of Florida

Graduate Coursework, Agricultural Education and Communication

1997

Texas A&M University

B.S., Agricultural Development

B.S., Horticulture

PRESENT MEMBERSHIPS

Arkansas Advanced Energy Foundation, Board

Clean Energy Buyers Alliance, Advisory Board

Edison Electric Institute National Key Accounts Program, Customer Advisory Group

Florida Advisory Council for Climate and Energy

South Carolina Electricity Market Reforms Measures Study Committee

The Ray, Advisory Council

PAST MEMBERSHIPS

Arizona Independent Scheduling Administrators Association, Board

Southwest Power Pool, Corporate Governance Committee

TESTIMONY BEFORE REGULATORY COMMISSIONS

2023

Missouri Docket No. ER-2022-0337: In the Matter of Union Electric Company d/b/a Ameren Missouri's Tariffs to Adjust its Revenues for Electric Service.

Arizona Docket No. E-01933A-22-0107: In the Matter of the Application of Tucson Electric Power Company for the Establishment of Just and Reasonable Rates and Charges Designed to Realize a Reasonable Rate of Return on the Fair Value of the Properties of Tucson Electric Power Company Devoted to its Operations Throughout the State of Arizona and for Related Approvals.

2022

Maine Docket No. 2022-00255: Versant Power Request for Approval of Rate Change Pursuant to 35-A M.R.S. § 307.

Maine Docket No. 2022-00152: Central Maine Power Company Request for Approval of Distribution Rate Increase and Rate Design Changes Pursuant to 35-A M.R.S. § 307.

Georgia Docket No. 44280: In Re: Georgia Power's 2022 Rate Case.

Minnesota Docket No. E-002/GR-21-630: In the Matter of the Application of Northern States Power Company for Authority to Increase Rates for Electric Service in Minnesota.

Colorado Proceeding No. 22AL-0130E: In the Matter of Advice No. 1881-Electric of Public Service Company of a Resiliency Service Program Tariff in its Colorado PUC No. 8-Electric Tariff Effective April 24, 2022.

Texas Docket No. 53601: Application of Oncor Electric Delivery Company for Authority to Change Rates.

Washington Docket No. UE-220066: Puget Sound Energy 2022 General Rate Case.

Washington Docket No. UG-220067: Puget Sound Energy 2022 Natural Gas General Rate Case.

Idaho Case No. IPC-E-21-40: In the Matter of Idaho Power Company's Application to Expand Optional Customer Clean Energy Offerings Through the Clean Energy Your Way Program.

Georgia Docket No. 44160: Georgia Power's 2022 Integrated Resource Plan.

Georgia Docket No. 44161: Application for the Certification, Decertification, and Amended Demand Side Management Plan.

2021

Missouri Case No. ER-2021-0312: In the Matter of the Request of The Empire District Electric Company d/b/a Liberty for Authority to File Tariffs Increasing Rates for Electric Service Provided to Customers in its Missouri Service Area.

Indiana Cause No. 45576: Petition of Indiana Michigan Power Company, an Indiana Corporation, for Authority to Increase its Rates and Charges for Electric Utility Service through a Phase In Rate Adjustment; and for Approval of Related Relief Including: (1) Revised Depreciation Rates; (2) Accounting Relief; (3) Inclusion of Capital Investment; (4) Rate Adjustment Mechanism Proposals; (5) Customer Programs; (6) Waiver to Declination of Jurisdiction with Respect to Certain Rules; and (7) New Schedules of Rates, Rules, and Regulations.

Oregon Docket No. UE 394: In the Matter of Portland General Electric Company, Request for a General Rate Revision.

Kentucky Public Service Commission Case No. 2022-00372

Missouri File No. ER-2021-0240: In the Matter of Union Electric Company d/b/a Ameren Missouri's Tariffs to Adjust its Revenues for Electric Service.

Florida Docket No. 20210015-EI: In re: Petition for Rate Increase by Florida Power & Light Company.

California Docket No. R-20-08-020: Order Instituting Rulemaking to Revisit Net Energy Metering Tariffs Pursuant to Decision 16-01-044, and to Address Other Issues Related to Net Energy Metering.

New Mexico Case No. 20-00238-UT: In the Matter of Southwestern Public Service Company's Application For: (1) Revision of its Retail Rates Under Advice Notice No. 292; (2) Authorization and Approval to Abandon its Plant X Unit 3 Generating Station; and (3) Other Associated Relief.

North Dakota Case No. PU-20-441: In the Matter of the Application of Northern States Power Company for Authority to Increase Rates for Electric Service in North Dakota.

New Mexico Case No. 20-00222-UT: In the Matter of the Joint Application of Avangrid, Inc., Avangrid Networks, Inc., NM Green Holdings, Inc., Public Service Company of New Mexico and PNM Resources, Inc. For Approval of the Merger of NM Green Holdings, Inc. with PNM Resources, Inc.; Approval of a General Diversification Plan; and All Other Authorizations and Approvals Requires to Consummate and Implement this Transaction.

2020

Arizona Docket No. E-01345A-19-0236: In the Matter of the Application of Arizona Public Service Company for a Hearing to Determine the Fair Value of Ratemaking Purposes, to Fix a Just and Reasonable Return Thereon and to Approve Rate Schedules Designed to Develop Such Return.

Florida Docket No. 20200176-EI: In re: Petition by Duke Energy Florida, LLC for a Limited Proceeding to Approve Clean Energy Connection Program and Tariff and Stipulation.

Florida Docket No. 20200092-EI: In re: Storm Protection Plan Cost Recovery Clause.

Nevada Docket No. 20-05003: Application of Nevada Power Company d/b/a NV Energy Filed Under Advice Letter No. 504 to Establish Customer Price Stability Tariff Schedule No. CPST (the "Program") to Assist Certain Qualifying Customers During the COVID-19 Pandemic and Economic Downturn, and to Address Certain Customer Requests for Price Stability and Potential Cost Savings in Meeting Customer Specific Business Needs and Sustainability Objectives.

Nevada Docket No. 20-05004: Application of Sierra Pacific Power Company d/b/a NV Energy Filed Under Advice Letter No. 629-E to Establish Customer Price Stability Tariff Schedule No. CPST (the "Program") to Assist Certain Qualifying Customers During the COVID-19 Pandemic and Economic Downturn, and to Address Certain Customer Requests for Price Stability and Potential Cost Savings in Meeting Customer Specific Business Needs and Sustainability Objectives.

Utah Docket No. 20-035-04: Application of Rocky Mountain Power for the Authority to Increase its Retail Electric Utility Rates in Utah and for Approval of its Proposed Electric Service Schedules and Electric Service Regulations.

Wyoming Docket No. 20000-578-ER-20: In the Matter of the Application of Rocky Mountain Power for Authority to Increase its Retail Electric Service Rates by Approximately \$7.1 Million Per Year or 1.1 Percent, to Revise the Energy Cost Adjustment Mechanism, and to Discontinue Operations at Cholla Unit 4.

Kentucky Public Service Commission Case No. 2022-00372

Virginia Case No. PUR-2020-00015: Application of Appalachian Power Company for a 2020 Triennial Review of the Rates, Terms and Conditions for the Provision of Generation, Distribution and Transmission Services Pursuant to §56-585.1 A of the Code of Virginia.

Oregon Docket No. UE 374: In the Matter of PacifiCorp d/b/a Pacific Power Request for a General Rate Revision.

Florida Docket No. 20200067-EI: In re: Review of 2020-2029 Storm Protection Plan pursuant to Rule 25-6.030, F.A.C., Tampa Electric Company.

Florida Docket No. 20200069-EI: In re: Review of 2020-2029 Storm Protection Plan pursuant to Rule 25-6.030, F.A.C., Duke Energy Florida, LLC.

Florida Docket No. 20200070-EI: In re: Review of 2020-2029 Storm Protection Plan pursuant to Rule 25-6.030, F.A.C., Gulf Power Company.

Florida Docket No. 20200071-EI: In re: Review of 2020-2029 Storm Protection Plan pursuant to Rule 25-6.030, F.A.C., Florida Power & Light Company.

North Carolina Docket No. E-2, Sub 1219: Application of Duke Energy Progress, LLC for Adjustment of Rates and Charges Applicable to Electric Service in North Carolina.

Missouri Case No. ER-2019-0374: In the Matter of the Empire District Electric Company's Request for Authority to File Tariffs Increasing Rates for Electric Service Provided to Customers in its Missouri Service Area.

North Carolina Docket No. E-7, Sub 1214: In the Matter of Application of Duke Energy Carolinas, LLC for Adjustment of Rates and Charges Applicable to Electric Service in North Carolina.

Texas Docket No. 49831: Application of Southwestern Public Service Company for Authority to Change Rates.

2019

Missouri Case No. ER-2019-0335: In the Matter of Union Electric Company d/b/a Ameren Missouri's Tariffs to Decrease its Revenues for Electric Service.

Michigan Case No. U-20561: In the Matter of the Application of DTE Electric Company for Authority to Increase its Rates, Amend its Rate Schedules and Rules Governing the Distribution and Supply of Electric Energy, and for Miscellaneous Accounting Authority.

Indiana Cause No. 45253: Petition of Duke Energy Indiana, LLC Pursuant to Ind. Code §§ 8-1-2-42.7 and 8-1-2-61, For (1) Authority to Modify its Rates and Charges for Electric Utility Service Through a Step-In of New Rates and Charges Using a Forecasted Test Period; (2) Approval of New Schedules of Rates and Charges, General Rules and Regulations, and Riders; (3) Approval of a Federal Mandate Certificate Under Ind. Code § 8-1-8.4-1; (4) Approval of Revised Electric Depreciation Rates Applicable to its Electric Plant in Service; (5) Approval of Necessary and Appropriate Accounting Deferral Relief; and (6) Approval of a Revenue Decoupling Mechanism for Certain Customer Classes.

Arizona Docket No. E-01933A-19-0228: In the Matter of the Application of Tucson Electric Power Company for the Establishment of Just and Reasonable Rates and Charges Designed to Realize a Reasonable Rate of Return on the Fair Value of the Properties of Tucson Electric Power Company Devoted to its Operations Throughout the State of Arizona and for Related Approvals.

Kentucky Public Service Commission Case No. 2022-00372

Georgia Docket No. 42516: In Re: Georgia Power's 2019 Rate Case.

Colorado Proceeding No. 19AL-0268E: Re: In the Matter of Advice No. 1797-Electric of Public Service Company of Colorado to Revise its Colorado P.U.C. No. 8-Electric Tariff to Implement Rate Changes Effective on Thirty Days' Notice.

New York Case No. 19-E-0378: Proceeding on the Motion of the Commission as to the Rates, Charges, Rules, and Regulations of New York State Electric & Gas Corporation for Electric Service.

New York Case No. 19-E-0380: Proceeding on the Motion of the Commission as to the Rates, Charges, Rules, and Regulations of Rochester Gas & Electric Corporation for Electric Service.

Maryland Case No. 9610: In the Matter of the Application of Baltimore Gas and Electric Company for Adjustments to its Electric and Gas Base Rates.

Nevada Docket No. 19-06002: In the Matter of the Application by Sierra Pacific Power Company, D/B/A NV Energy, Filed Pursuant to NRS 704.110(3) and NRS 704.110(4), Addressing its Annual Revenue Requirement for General Rates Charged to All Classes of Electric Customers.

Florida Docket No. 20190061-EI: In Re: Petition of Florida Power & Light Company for Approval of FPL SolarTogether Program and Tariff.

Wisconsin Docket No. 6690-UR-126: Application of Wisconsin Public Service Corporation for Authority to Adjust Electric and Natural Gas Rates – Test Year 2020.

Wisconsin Docket No. 5-UR-109: Joint Application of Wisconsin Electric Power Company and Wisconsin Gas LLC for Authority to Adjust Electric, Natural Gas, and Steam Rates – Test Year 2020.

New Mexico Case No. 19-00158-UT: In the Matter of the Application of Public Service Company of New Mexico for Approval of PNM Solar Direct Voluntary Renewable Energy Program, Power Purchase Agreement, and Advice Notice Nos. 560 and 561.

Indiana Cause No. 45235: Petition of Indiana Michigan Power Company, and Indiana Corporation, for Authority to Increase its Rates and Charges for Electric Utility Service through a Phase In Rate Adjustment; and for Approval of Related Relief Including: (1) Revised Depreciation Rates; (2) Accounting Relief; (3) Inclusion in Rate Base of Qualified Pollution Control Property and Clean Energy Project; (4) Enhancements to the Dry Sorbent Injection System; (5) Advanced Metering Infrastructure; (6) Rate Adjustment Mechanism Proposals; and (7) New Schedules of Rates, Rules and Regulations.

Iowa Docket No. RPU-2019-0001: In Re: Interstate Power and Light Company.

Texas Docket No. 49494: Application of AEP Texas Inc. for Authority to Change Rates.

Arkansas Docket No. 19-008-U: In the Matter of the Application of Southwestern Electric Power Company for Approval of a General Change in Rates and Tariffs.

Virginia Case No. PUR-2019-00050: Application of Virginia Electric and Power Company for Determination of the Fair Rate of Return on Common Equity Pursuant to § 56-585.1:1 of the Code of Virginia.

Indiana Docket No. 45159: Petition of Northern Indiana Public Service Company LLC Pursuant to Indiana Code §§ 8-1-2-42.7, 8-1-2-61 and Indiana Code §§ 1-2.5-6 for (1) Authority to Modify its Rates and Charges for Electric Utility Service Through a Phase In of Rates; (2) Approval of New Schedules of Rates

Kentucky Public Service Commission Case No. 2022-00372

and Charges, General Rules and Regulations, and Riders; (3) Approval of Revised Common and Electric Depreciation Rates Applicable to its Electric Plant in Service; (4) Approval of Necessary and Appropriate Accounting Relief; and (5) Approval of a New Service Structure for Industrial Rates.

Texas Docket No. 49421: Application of Centerpoint Energy Houston Electric, LLC for Authority to Change Rates.

Nevada Docket No. 18-11015: Re: Application of Nevada Power Company d/b/a NV Energy, Filed Under Advice No. 491, to Implement NV Greenenergy 2.0 Rider Schedule No. NGR 2.0 to Allow Eligible Commercial Bundled Service Customers to Voluntarily Contract with the Utility to Increase Their Use of Reliance on Renewable Energy at Current Market-Based Fixed Prices.

Nevada Docket No. 18-11016: Re: Application of Sierra Pacific Power Company d/b/a NV Energy, Filed Under Advice No. 614-E, to Implement NV Greenenergy 2.0 Rider Schedule No. NGR 2.0 to Allow Eligible Commercial Bundled Service Customers to Voluntarily Contract with the Utility to Increase Their Use of Reliance on Renewable Energy at Current Market-Based Fixed Prices.

Georgia Docket No. 42310: In Re: Georgia Power Company's 2019 Integrated Resource Plan and Application for Certification of Capacity From Plant Scherer Unit 3 and Plant Goat Rock Units 9-12 and Application for Decertification of Plant Hammond Units 1-4, Plant McIntosh Unit 1, Plant Langdale Units 5-6, Plant Riverview Units 1-2, and Plant Estatoah Unit 1.

Wyoming Docket Nos. 20003-177-ET-18: In the Matter of the Application of Cheyenne Light, Fuel and Power Company D/B/A Black Hills Energy For Approval to Implement a Renewable Ready Service Tariff.

South Carolina Docket No. 2018-318-E: In the Matter of the Application of Duke Energy Progress, LLC For Adjustments in Electric Rate Schedules and Tariffs.

Montana Docket No. D2018.2.12: Application for Authority to Increase Retail Electric Utility Service Rates and for Approval of Electric Service Schedules and Rules and Allocated Cost of Service and Rate Design.

Louisiana Docket No. U-35019: In Re: Application of Entergy Louisiana, LLC for Authorization to Make Available Experimental Renewable Option and Rate Schedule ERO.

Arkansas Docket No. 18-037-TF: In the Matter of the Petition of Entergy Arkansas, Inc. For Its Solar Energy Purchase Option.

2018

South Carolina Docket No. 2017-370-E: Joint Application and Petition of South Carolina Electric & Gas Company and Dominion Energy, Inc., for Review and Approval of a Proposed Business Combination Between SCANA Corporation and Dominion Energy, Inc., as may be Required, and for a Prudency Determination Regarding the Abandonment of the V.C. Summer Units 2 & 3 Project and Associated Customer Benefits and Cost Recovery Plans.

Kansas Docket No. 18-KCPE-480-RTS: In the Matter of the Application of Kansas City Power & Light Company to Make Certain Changes in its Charges for Electric Service.

Virginia Case No. PUR-2017-00173: Petition of Wal-Mart Stores East, LP and Sam's East, Inc. for Permission to Aggregate or Combine Demands of Two or More Individual Nonresidential Retail Customers of Electric Energy Pursuant to § 56-577 A 4 of the Code of Virginia.

Kentucky Public Service Commission Case No. 2022-00372

Virginia Case No. PUR-2017-00174: Petition of Wal-Mart Stores East, LP and Sam's East, Inc. for Permission to Aggregate or Combine Demands of Two or More Individual Nonresidential Retail Customers of Electric Energy Pursuant to § 56-577 A 4 of the Code of Virginia.

Oregon Docket No. UM 1953: In the Matter of Portland General Electric Company, Investigation into Proposed Green Tariff.

Virginia Case No. PUR-2017-00179: Application of Appalachian Power Company for Approval of an 100% Renewable Energy Rider Pursuant to § 56-577.A.5 of the Code of Virginia.

Missouri Docket No. ER-2018-0145: In the Matter of Kansas City Power & Light Company's Request for Authority to Implement a General Rate Increase for Electric Service.

Missouri Docket No. ER-2018-0146: In the Matter of KCP&L Greater Missouri Operations Company's Request for Authority to Implement a General Rate Increase for Electric Service.

Kansas Docket No. 18-WSEE-328-RTS: In the Matter of the Joint Application of Westar Energy, Inc. and Kansas Gas and Electric Company for Approval to Make Certain Changes in their Charges for Electric Service.

Oregon Docket No. UE 335: In the Matter of Portland General Electric Company, Request for a General Rate Revision.

North Dakota Case No. PU-17-398: In the Matter of the Application of Otter Tail Power Company for Authority to Increase Rates for Electric Utility Service in North Dakota.

Virginia Case No. PUR-2017-00179: Application of Appalachian Power Company for Approval of an 100 Percent Renewable Energy Rider Pursuant to § 56-577 A 5 of the Code of Virginia.

Missouri Case No. ET-2018-0063: In the Matter of the Application of Union Electric Company d/b/a Ameren Missouri for Approval of 2017 Green Tariff.

New Mexico Case No. 17-00255-UT: In the Matter of Southwestern Public Service Company's Application for Revision of its Retail Rates Under Advice Notice No. 272.

Virginia Case No. PUR-2017-00157: Application of Virginia Electric and Power Company for Approval of 100 Percent Renewable Energy Tariffs for Residential and Non-Residential Customers.

Kansas Docket No. 18-KCPE-095-MER: In the Matter of the Application of Great Plains Energy Incorporated, Kansas City Power & Light Company, and Westar Energy, Inc. for Approval of the Merger of Westar Energy, Inc. and Great Plains Energy Incorporated.

North Carolina Docket No. E-7, Sub 1146: In the Matter of the Application of Duke Energy Carolinas, LLC for Adjustment of Rates and Charges Applicable to Electric Service in North Carolina.

Louisiana Docket No. U-34619: In Re: Application for Expedited Certification and Approval of the Acquisition of Certain Renewable Resources and the Construction of a Generation Tie Pursuant to the 1983 and/or/1994 General Orders.

Missouri Case No. EM-2018-0012: In the Matter of the Application of Great Plains Energy Incorporated for Approval of its Merger with Westar Energy, Inc.

2017

Arkansas Docket No. 17-038-U: In the Matter of the Application of Southwestern Electric Power Company for Approval to Acquire a Wind Generating Facility and to Construct a Dedicated Generation Tie Line.

Texas Docket No. 47461: Application of Southwestern Electric Power Company for Certificate of Convenience and Necessity Authorization and Related Relief for the Wind Catcher Energy Connection Project.

Oklahoma Cause No. PUD 201700267: Application of Public Service Company of Oklahoma for Approval of the Cost Recovery of the Wind Catcher Energy Connection Project; A Determination There is Need for the Project; Approval for Future Inclusion in Base Rates Cost Recovery of Prudent Costs Incurred by PSO for the Project; Approval of a Temporary Cost Recovery Rider; Approval of Certain Accounting Procedures Regarding Federal Production Tax Credits; Waiver of OAC 165:35-38-5(E); And Such Other Relief the Commission Deems PSO is Entitled.

Nevada Docket No. 17-06003: In the Matter of the Application of Nevada Power Company, d/b/a NV Energy, Filed Pursuant to NRS 704.110(3) and (4), Addressing Its Annual Revenue Requirement for General Rates Charged to All Classes of Customers.

North Carolina Docket No. E-2, Sub 1142: In the Matter of the Application of Duke Energy Progress, LLC for Adjustment of Rates and Charges Applicable to Electric Service in North Carolina.

Oklahoma Cause No. PUD 201700151: Application of Public Service Company of Oklahoma, an Oklahoma Corporation, for an Adjustment in its Rates and Charges and the Electric Service Rules, Regulations and Conditions of Service for Electric Service in the State of Oklahoma.

Kentucky Case No. 2017-00179: Electronic Application of Kentucky Power Company for (1) a General Adjustment of its Rates for Electric Service; (2) an Order Approving its 2017 Environmental Compliance Plan; (3) an Order Approving its Tariffs and Riders; (4) an Order Approving Accounting Practices to Establish Regulatory Assets and Liabilities; and (5) an Order Granting All Other Requested Relief.

New York Case No. 17-E-0238: Proceeding on Motion of the Commission as to the Rates, Charges, Rules, and Regulations of Niagara Mohawk Power Corporation for Electric and Gas Service.

Virginia Case No. PUR-2017-00060: Application of Virginia Electric and Power Company for Approval of 100 Percent Renewable Energy Tariffs Pursuant to §§ 56-577 A 5 and 56-234 of the Code of Virginia.

New Jersey Docket No. ER17030308: In the Matter of the Petition of Atlantic City Electric Company for Approval of Amendments to its Tariff to Provide for an Increase in Rates and Charges for Electric Service Pursuant to N.J.S.A. 48:2-21 and N.J.S.A. 48:2-21.1, for Approval of a Grid Resiliency Initiative and Cost Recovery Related Thereto, and for Other Appropriate Relief.

Texas Docket No. 46831: Application of El Paso Electric Company to Change Rates.

Oregon Docket No. UE 319: In the Matter of Portland General Electric Company, Request for a General Rate Revision.

New Mexico Case No. 16-00276-UT: In the Matter of the Application of Public Service Company of New Mexico for Revision of its Retail Electric Rates Pursuant to Advice No. 533.

Minnesota Docket No. E015/GR-16-664: In the Matter of the Application of Minnesota Power for Authority to Increase Rates for Electric Service in Minnesota.

Ohio Case No. 16-1852-EL-SSO: In the Matter of the Application of Ohio Power Company for Authority to Establish a Standard Service Offer Pursuant to §4928.143, Ohio Rev. Code, In the Form of an Electric Security Plan.

Texas Docket No. 46449: Application of Southwestern Electric Power Company for Authority to Change Rates.

Arkansas Docket No. 16-052-U: In the Matter of the Application of Oklahoma Gas and Electric Company for Approval of a General Change in Rates, Charges, and Tariffs.

Missouri Case No. EA-2016-0358: In the Matter of the Application of Grain Belt Express Clean Line LLC for a Certificate of Convenience and Necessity Authorizing it to Construct, Own, Operate, Control, Manage and Maintain a High Voltage, Direct Current Transmission Line and an Associated Converter Station Providing an Interconnection on the Maywood-Montgomery 345 kV Transmission Line.

Florida Docket No. 160186-Ei: In Re: Petition for Increase in Rates by Gulf Power Company.

2016

Missouri Case No. ER-2016-0179: In the Matter of Union Electric Company d/b/a Ameren Missouri Tariffs to Increase its Revenues for Electric Service.

Kansas Docket No. 16-KCPE-593-ACQ: In the Matter of the Joint Application of Great Plains Energy Incorporated, Kansas City Power & Light Company, and Westar Energy, Inc. for Approval of the Acquisition of Westar Energy, Inc. by Great Plains Energy Incorporated.

Missouri Case No. EA-2016-0208: In the Matter of the Application of Union Electric Company d/b/a Ameren Missouri for Permission and Approval and a Certificate of Public Convenience and Necessity Authorizing it to Offer a Pilot Distributed Solar Program and File Associated Tariff.

Utah Docket No. 16-035-T09: In the Matter of Rocky Mountain Power's Proposed Electric Service Schedule No. 34, Renewable Energy Tariff.

Pennsylvania Public Utility Commission Docket No. R-2016-2537359: Pennsylvania Public Utility Commission v. West Penn Power Company.

Pennsylvania Public Utility Commission Docket No. R-2016-2537352: Pennsylvania Public Utility Commission v. Pennsylvania Electric Company.

Pennsylvania Public Utility Commission Docket No. R-2016-2537355: Pennsylvania Public Utility Commission v. Pennsylvania Power Company.

Pennsylvania Public Utility Commission Docket No. R-2016-2537349: Pennsylvania Public Utility Commission v. Metropolitan Edison Company.

Michigan Case No. U-17990: In the Matter of the Application of Consumers Energy Company for Authority to Increase its Rates for the Generation and Distribution of Electricity and for Other Relief.

Florida Docket No. 160021-EI: In Re: Petition for Rate Increase by Florida Power & Light Company.

Minnesota Docket No. E-002/GR-15-816: In the Matter of the Application of Northern States Power Company for Authority to Increase Rates for Electric Service in the State of Minnesota.

Colorado Public Utilities Commission Docket No. 16AL-0048E: Re: In the Matter of Advice Letter No. 1712-Electric Filed by Public Service Company of Colorado to Replace Colorado PUC No.7-Electric Tariff with Colorado PUC No. 8-Electric Tariff.

Colorado Public Utilities Commission Docket No. 16A-0055E: Re: In the Matter of the Application of Public Service Company of Colorado for Approval of its Solar*Connect Program.

Missouri Public Service Commission Case No. ER-2016-0023: In the Matter of the Empire District Electric Company of Joplin, Missouri for Authority to File Tariffs Increasing Rates for Electric Service Provided to Customers in the Missouri Service Area of the Company.

Georgia Public Service Commission Docket No. 40161: In Re: Georgia Power Company's 2016 Integrated Resource Plan and Application for Decertification of Plant Mitchell Units 3, 4A and 4B, Plant Kraft Unit 1 CT, and Intercession City CT.

Oklahoma Corporation Commission Cause No. PUD 201500273: In the Matter of Oklahoma Gas and Electric Company for an Order of the Commission Authorizing Applicant to Modify its Rates, Charges, and Tariffs for Retail Electric Service in Oklahoma.

New Mexico Case No. 15-00261-UT: In the Matter of the Application of Public Service Company of New Mexico for Revision of its Retail Electric Rates Pursuant to Advice Notice No. 513.

2015

Indiana Utility Regulatory Commission Cause No. 44688: Petition of Northern Indiana Public Service Company for Authority to Modify its Rates and Charges for Electric Utility Service and for Approval of: (1) Changes to its Electric Service Tariff Including a New Schedule of Rates and Charges and Changes to the General Rules and Regulations and Certain Riders; (2) Revised Depreciation Accrual Rates; (3) Inclusion in its Basic Rates and Charges of the Costs Associated with Certain Previously Approved Qualified Pollution Control Property, Clean Coal Technology, Clean Energy Projects and Federally Mandated Compliance Projects; and (4) Accounting Relief to Allow NIPSCO to Defer, as a Regulatory Asset or Liability, Certain Costs for Recovery in a Future Proceeding.

Public Utility Commission of Texas Docket No. 44941: Application of El Paso Electric Company to Change Rates.

Arizona Corporation Commission Docket No. E-04204A-15-0142: In the matter of the Application of UNS Electric, Inc. for the Establishment of Just and Reasonable Rates and Charges Designed to Realized a Reasonable Rate of Return on the Fair Value of the Properties of UNS Electric, Inc. Devoted to its Operations Throughout the State of Arizona, and for Related Approvals.

Rhode Island Public Utilities Commission Docket No. 4568: In Re: National Grid's Rate Design Plan.

Oklahoma Corporation Commission Cause No. PUD 201500208: Application of Public Service Company of Oklahoma, an Oklahoma Corporation, for an Adjustment in its Rates and Charges and the Electric Service Rules, Regulations and Conditions of Service for Electric Service in the State of Oklahoma.

Public Service Commission of Wisconsin Docket No. 4220-UR-121: Application of Northern States Power Company, A Wisconsin Corporation, for Authority to Adjust Electric and Natural Gas Rates.

Arkansas Public Service Commission Docket No. 15-015-U: In the Matter of the Application of Entergy Arkansas, Inc. for Approval of Changes in Rates for Retail Electric Service.

New York Public Service Commission Case No. 15-E-0283: Proceeding on Motion of the Commission as to the Rates, Charges, Rules, and Regulations of New York State Electric & Gas Corporation for Electric Service.

New York Public Service Commission Case No. 15-G-0284: Proceeding on Motion of the Commission as to the Rates, Charges, Rules, and Regulations of New York State Electric & Gas Corporation for Gas Service.

New York Public Service Commission Case No. 15-E-0285: Proceeding on Motion of the Commission as to the Rates, Charges, Rules, and Regulations of Rochester Gas & Electric Corporation for Electric Service.

New York Public Service Commission Case No. 15-G-0286: Proceeding on Motion of the Commission as to the Rates, Charges, Rules, and Regulations of Rochester Gas & Electric Corporation for Gas Service.

Public Utilities Commission of Ohio Case No. 14-1693-EL-RDR: In the Matter of the Application Seeking Approval of Ohio Power Company's Proposal to Enter Into an Affiliate Power Purchase Agreement for Inclusion in the Power Purchase Agreement Rider.

Public Service Commission of Wisconsin Docket No. 6690-UR-124: Application of Wisconsin Public Service Corporation for Authority to Adjust Electric and Natural Gas Rates.

Arkansas Public Service Commission Docket No. 15-034-U: In the Matter of an Interim Rate Schedule of Oklahoma Gas and Electric Company Imposing a Surcharge to Recover All Investments and Expenses Incurred Through Compliance with Legislative or Administrative Rules, Regulations, or Requirements Relating to the Public Health, Safety or the Environment Under the Federal Clean Air Act for Certain of its Existing Generation Facilities.

Kansas Corporation Commission Docket No. 15-WSEE-115-RTS: In the Matter of the Application of Westar Energy, Inc. and Kansas Gas and Electric Company to Make Certain Changes in their Charges for Electric Service.

Michigan Public Service Commission Case No. U-17767: In the Matter of the Application of DTE Electric Company for Authority to Increase its Rates, Amend its Rate Schedules and Rules Governing the Distribution and Supply of Electric Energy, and for Miscellaneous Accounting Authority.

Public Utility Commission of Texas Docket No. 43695: Application of Southwestern Public Service Company for Authority to Change Rates.

Kansas Corporation Commission Docket No. 15-KCPE-116-RTS: In the Matter of the Application of Kansas City Power & Light Company to Make Certain Changes in its Charges for Electric Service.

Michigan Case No. U-17735: In the Matter of the Application of the Consumers Energy Company for Authority to Increase its Rates for the Generation and Distribution of Electricity and for Other Relief.

Kentucky Public Service Commission Case No. 2014-00396: Application of Kentucky Power Company for a General Adjustment of its Rates for Electric Service; (2) an Order Approving its 2014 Environmental Compliance Plan; (3) an Order Approving its Tariffs and Riders; and (4) an Order Granting All Other Required Approvals and Relief.

Kentucky Public Service Commission Case No. 2014-00371: In the Matter of the Application of Kentucky Utilities Company for an Adjustment of its Electric Rates.

Kentucky Public Service Commission Case No. 2022-00372

Kentucky Public Service Commission Case No. 2014-00372: In the Matter of the Application of Louisville Gas and Electric Company for an Adjustment of its Electric and Gas Rates.

2014

Ohio Public Utilities Commission Case No. 14-1297-EL-SSO: In the Matter of the Application of Ohio Edison Company, The Cleveland Electric Illuminating Company and the Toledo Edison Company for Authority to Provide for a Standard Service Offer Pursuant to R.C. 4928.143 in the Form of an Electric Security Plan.

West Virginia Case No. 14-1152-E-42T: Appalachian Power Company and Wheeling Power Company, Both d/b/a American Electric Power, Joint Application for Rate Increases and Changes in Tariff Provisions.

Oklahoma Corporation Commission Cause No. PUD 201400229: In the Matter of the Application of Oklahoma Gas and Electric Company for Commission Authorization of a Plan to Comply with the Federal Clean Air Act and Cost Recovery; and for Approval of the Mustang Modernization Plan.

Missouri Public Service Commission Case No. ER-2014-0258: In the Matter of Union Electric Company d/b/a Ameren Missouri's Tariff to Increase its Revenues for Electric Service.

Pennsylvania Public Utility Commission Docket No. R-2014-2428742: Pennsylvania Public Utility Commission v. West Penn Power Company.

Pennsylvania Public Utility Commission Docket No. R-2014-2428743: Pennsylvania Public Utility Commission v. Pennsylvania Electric Company.

Pennsylvania Public Utility Commission Docket No. R-2014-2428744: Pennsylvania Public Utility Commission v. Pennsylvania Power Company.

Pennsylvania Public Utility Commission Docket No. R-2014-2428745: Pennsylvania Public Utility Commission v. Metropolitan Edison Company.

Washington Utilities and Transportation Commission Docket No. UE-141368: In the Matter of the Petition of Puget Sound Energy to Update Methodologies Used to Allocate Electric Cost of Service and For Electric Rate Design Purposes.

Washington Utilities and Transportation Commission Docket No. UE-140762: 2014 Pacific Power & Light Company General Rate Case.

West Virginia Public Service Commission Case No. 14-0702-E-42T: Monongahela Power Company and the Potomac Edison Company Rule 42T Tariff Filing to Increase Rates and Charges.

Ohio Public Utilities Commission Case No. 14-841-EL-SSO: In the Matter of the Application of Duke Energy Ohio for Authority to Establish a Standard Service Offer Pursuant to Section 4928.143, Revised Code, in the Form of Case No. 14-841-EL-SSO an Electric Security Plan, Accounting Modifications and Tariffs for Generation Service.

Colorado Public Utilities Commission Docket No. 14AL-0660E: Re: In the Matter of the Advice Letter No. 1672-Electric Filed by Public Service Company of Colorado to Revise its Colorado PUC No. 7-Electric Tariff to Implement a General Rate Schedule Adjustment and Other Rate Changes Effective July 18, 2014.

Maryland Case No. 9355: In the Matter of the Application of Baltimore Gas and Electric Company for Authority to Increase Existing Rates and Charges for Electric and Gas Service.

Kentucky Public Service Commission Case No. 2022-00372

Mississippi Public Service Commission Docket No. 2014-UN-132: In Re: Notice of Intent of Entergy Mississippi, Inc. to Modernize Rates to Support Economic Development, Power Procurement, and Continued Investment.

Nevada Public Utilities Commission Docket No. 14-05004: Application of Nevada Power Company d/b/a NV Energy for Authority to Increase its Annual Revenue Requirement for General Rates Charged to All Classes of Electric Customers and for Relief Properly Related Thereto.

Utah Public Service Commission Docket No. 14-035-T02: In the Matter of Rocky Mountain Power's Proposed Electric Service Schedule No. 32, Service From Renewable Energy Facilities.

Florida Public Service Commission Docket No. 140002-EG: In Re: Energy Conservation Cost Recovery Clause.

Public Service Commission of Wisconsin Docket No. 6690-UR-123: Application of Wisconsin Public Service Corporation for Authority to Adjust Electric and Natural Gas Rates.

Connecticut Docket No. 14-05-06: Application of the Connecticut Light and Power Company to Amend its Rate Schedules.

Virginia Corporation Commission Case No. PUE-2014-00026: Application of Appalachian Power Company for a 2014 Biennial Review for the Provision of Generation, Distribution and Transmission Services Pursuant to § 56-585.1 A of the Code of Virginia.

Virginia Corporation Commission Case No. PUE-2014-00033: Application of Virginia Electric and Power Company to Revise its Fuel Factor Pursuant to Va. Code § 56-249.6.

Arizona Corporation Commission Docket No. E-01345A-11-0224 (Four Corners Phase): In the Matter of Arizona Public Service Company for a Hearing to Determine the Fair Value of Utility Property of the Company for Ratemaking Purposes, to Fix and Just and Reasonable Rate of Return Thereon, to Approve Rate Schedules Designed to Develop Such Return.

Minnesota Public Utilities Commission Docket No. E-002/GR-13-868: In the Matter of the Application of Northern States Power Company, for Authority to Increase Rates for Electric Service in Minnesota.

Utah Public Service Commission Docket No. 13-035-184: In the Matter of the Application of Rocky Mountain Power for Authority to Increase its Retail Electric Utility Service Rates in Utah and for Approval of its Proposed Electric Service Schedules and Electric Service Regulations.

Missouri Public Service Commission Case No. EC-2014-0224: In the Matter of Noranda Aluminum, Inc.'s Request for Revisions to Union Electric Company d/b/a Ameren Missouri's Large Transmission Service Tariff to Decrease its Rate for Electric Service.

Oklahoma Corporation Commission Cause No. PUD 201300217: Application of Public Service Company of Oklahoma to be in Compliance with Order No. 591185 Issued in Cause No. PUD 201100106 Which Requires a Base Rate Case to be Filed by PSO and the Resulting Adjustment in its Rates and Charges and Terms and Conditions of Service for Electric Service in the State of Oklahoma.

Public Utilities Commission of Ohio Case No. 13-2386-EL-SSO: In the Matter of the Application of Ohio Power Company for Authority to Establish a Standard Service Offer Pursuant to §4928.143, Ohio Rev. Code, in the Form of an Electric Security Plan.

2013

Oklahoma Corporation Commission Cause No. PUD 201300201: Application of Public Service Company of Oklahoma for Commission Authorization of a Standby and Supplemental Service Rate Schedule.

Georgia Public Service Commission Docket No. 36989: Georgia Power's 2013 Rate Case.

Florida Public Service Commission Docket No. 130140-EI: Petition for Rate Increase by Gulf Power Company.

Public Utility Commission of Oregon Docket No. UE 267: In the Matter of PACIFICORP, dba PACIFIC POWER, Transition Adjustment, Five-Year Cost of Service Opt-Out.

Illinois Commerce Commission Docket No. 13-0387: Commonwealth Edison Company Tariff Filing to Present the Illinois Commerce Commission with an Opportunity to Consider Revenue Neutral Tariff Changes Related to Rate Design Authorized by Subsection 16-108.5 of the Public Utilities Act.

Iowa Utilities Board Docket No. RPU-2013-0004: In Re: MidAmerican Energy Company.

South Dakota Public Utilities Commission Docket No. EL12-061: In the Matter of the Application of Black Hills Power, Inc. for Authority to Increase its Electric Rates. (filed with confidential stipulation)

Kansas Corporation Commission Docket No. 13-WSEE-629-RTS: In the Matter of the Applications of Westar Energy, Inc. and Kansas Gas and Electric Company for Approval to Make Certain Changes in their Charges for Electric Service.

Public Utility Commission of Oregon Docket No. UE 263: In the Matter of PACIFICORP, dba PACIFIC POWER, Request for a General Rate Revision.

Arkansas Public Service Commission Docket No. 13-028-U: In the Matter of the Application of Entergy Arkansas, Inc. for Approval of Changes in Rates for Retail Electric Service.

Virginia State Corporation Commission Docket No. PUE-2013-00020: Application of Virginia Electric and Power Company for a 2013 Biennial Review of the Rates, Terms, and Conditions for the Provision of Generation, Distribution, and Transmission Services Pursuant to § 56-585.1 A of the Code of Virginia.

Florida Public Service Commission Docket No. 130040-EI: Petition for Rate Increase by Tampa Electric Company.

South Carolina Public Service Commission Docket No. 2013-59-E: Application of Duke Energy Carolinas, LLC, for Authority to Adjust and Increase Its Electric Rates and Charges.

Public Utility Commission of Oregon Docket No. UE 262: In the Matter of PORTLAND GENERAL ELECTRIC COMPANY, Request for a General Rate Revision.

New Jersey Board of Public Utilities Docket No. ER12111052: In the Matter of the Verified Petition of Jersey Central Power & Light Company For Review and Approval of Increases in and Other Adjustments to Its Rates and Charges For Electric Service, and For Approval of Other Proposed Tariff Revisions in Connection Therewith; and for Approval of an Accelerated Reliability Enhancement Program ("2012 Base Rate Filing")

North Carolina Utilities Commission Docket No. E-7, Sub 1026: In the Matter of the Application of Duke Energy Carolinas, LLC for Adjustment of Rates and Charges Applicable to Electric Service in North Carolina.

Public Utility Commission of Oregon Docket No. UE 264: PACIFICORP, dba PACIFIC POWER, 2014 Transition Adjustment Mechanism.

Public Utilities Commission of California Docket No. 12-12-002: Application of Pacific Gas and Electric Company for 2013 Rate Design Window Proceeding.

Public Utilities Commission of Ohio Docket Nos. 12-426-EL-SSO, 12-427-EL-ATA, 12-428-EL-AAM, 12-429-EL-WVR, and 12-672-EL-RDR: In the Matter of the Application of the Dayton Power and Light Company Approval of its Market Offer.

Minnesota Public Utilities Commission Docket No. E-002/GR-12-961: In the Matter of the Application of Northern States Power Company for Authority to Increase Rates for Electric Service in Minnesota.

North Carolina Utilities Commission Docket E-2, Sub 1023: In the Matter of Application of Progress Energy Carolinas, Inc. For Adjustment of Rates and Charges Applicable to Electric Service in North Carolina.

2012

Public Utility Commission of Texas Docket No. 40443: Application of Southwestern Electric Power Company for Authority to Change Rates and Reconcile Fuel Costs.

South Carolina Public Service Commission Docket No. 2012-218-E: Application of South Carolina Electric & Gas Company for Increases and Adjustments in Electric Rate Schedules and Tariffs and Request for Mid-Period Reduction in Base Rates for Fuel.

Kansas Corporation Commission Docket No. 12-KCPE-764-RTS: In the Matter of the Application of Kansas City Power & Light Company to Make Certain Changes in its Charges for Electric Service.

Kansas Corporation Commission Docket No. 12-GIMX-337-GIV: In the Matter of a General Investigation of Energy-Efficiency Policies for Utility Sponsored Energy Efficiency Programs.

Florida Public Service Commission Docket No. 120015-El: In Re: Petition for Rate Increase by Florida Power & Light Company.

California Public Utilities Commission Docket No. A.11-10-002: Application of San Diego Gas & Electric Company (U 902 E) for Authority to Update Marginal Costs, Cost Allocation, and Electric Rate Design.

Utah Public Service Commission Docket No. 11-035-200: In the Matter of the Application of Rocky Mountain Power for Authority to Increase its Retail Electric Utility Service Rates in Utah and for Approval of its Proposed Electric Service Schedules and Electric Service Regulations.

Virginia State Corporation Commission Case No. PUE-2012-00051: Application of Appalachian Power Company to Revise its Fuel Factor Pursuant to § 56-249.6 of the Code of Virginia.

Public Utilities Commission of Ohio Case Nos. 11-346-EL-SSO, 11-348-EL-SSO, 11-349-EL-AAM, and 11-350-EL-AAM: In the Matter of the Application of Columbus Southern Power Company and Ohio Power Company for Authority to Establish a Standard Service Offer Pursuant to Section 4928.143, Revised Code, in the Form on an Electric Security Plan and In the Matter of the Application of Columbus Southern Power Company and Ohio Power Company for Approval of Certain Accounting Authority.

Kentucky Public Service Commission Case No. 2022-00372

New Jersey Board of Public Utilities Docket No. ER11080469: In the Matter of the Petition of Atlantic City Electric for Approval of Amendments to Its Tariff to Provide for an Increase in Rates and Charges for Electric Service Pursuant to N.J.S.A. 48:2-21 and N.J.S.A. 48:2-21.1 and For Other Appropriate Relief.

Public Utility Commission of Texas Docket No. 39896: Application of Entergy Texas, Inc. for Authority to Change Rates and Reconcile Fuel Costs.

Missouri Public Service Commission Case No. EO-2012-0009: In the Matter of KCP&L Greater Missouri Operations Notice of Intent to File an Application for Authority to Establish a Demand-Side Programs Investment Mechanism.

Colorado Public Utilities Commission Docket No. 11AL-947E: In the Matter of Advice Letter No. 1597-Electric Filed by Public Service Company of Colorado to Revise its Colorado PUC No. 7-Electric Tariff to Implement a General Rate Schedule Adjustment and Other Changes Effective December 23, 2011.

Illinois Commerce Commission Docket No. 11-0721: Commonwealth Edison Company Tariffs and Charges Submitted Pursuant to Section 16-108.5 of the Public Utilities Act.

Public Utility Commission of Texas Docket No. 38951: Application of Entergy Texas, Inc. for Approval of Competitive Generation Service tariff (Issues Severed from Docket No. 37744).

California Public Utilities Commission Docket No. A.11-06-007: Southern California Edison's General Rate Case, Phase 2.

2011

Arizona Corporation Commission Docket No. E-01345A-11-0224: In the Matter of Arizona Public Service Company for a Hearing to Determine the Fair Value of Utility Property of the Company for Ratemaking Purposes, to Fix and Just and Reasonable Rate of Return Thereon, to Approve Rate Schedules Designed to Develop Such Return.

Oklahoma Corporation Commission Cause No. PUD 201100087: In the Matter of the Application of Oklahoma Gas and Electric Company for an Order of the Commission Authorizing Applicant to Modify its Rates, Charges, and Tariffs for Retail Electric Service in Oklahoma.

South Carolina Public Service Commission Docket No. 2011-271-E: Application of Duke Energy Carolinas, LLC for Authority to Adjust and Increase its Electric Rates and Charges.

Pennsylvania Public Utility Commission Docket No. P-2011-2256365: Petition of PPL Electric Utilities Corporation for Approval to Implement Reconciliation Rider for Default Supply Service.

North Carolina Utilities Commission Docket No. E-7, Sub 989: In the Matter of Application of Duke Energy Carolinas, LLC for Adjustment of Rates and Charges Applicable to Electric Service in North Carolina.

Florida Public Service Commission Docket No. 110138: In Re: Petition for Increase in Rates by Gulf Power Company.

Public Utilities Commission of Nevada Docket No. 11-06006: In the Matter of the Application of Nevada Power Company, filed pursuant to NRS 704.110(3) for authority to increase its annual revenue requirement for general rates charged to all classes of customers to recover the costs of constructing the Harry Allen Combined Cycle plant and other generating, transmission, and distribution plant additions, to reflect changes in the cost of capital, depreciation rates and cost of service, and for relief properly related thereto.

North Carolina Utilities Commission Docket Nos. E-2, Sub 998 and E-7, Sub 986: In the Matter of the Application of Duke Energy Corporation and Progress Energy, Inc., to Engage in a Business Combination Transaction and to Address Regulatory Conditions and Codes of Conduct.

Public Utilities Commission of Ohio Case Nos. 11-346-EL-SSO, 11-348-EL-SSO, 11-349-EL-AAM, and 11-350-EL-AAM: In the Matter of the Application of Columbus Southern Power Company and Ohio Power Company for Authority to Establish a Standard Service Offer Pursuant to Section 4928.143, Revised Code, in the Form on an Electric Security Plan and In the Matter of the Application of Columbus Southern Power Company and Ohio Power Company for Approval of Certain Accounting Authority.

Virginia State Corporation Commission Case No. PUE-2011-00037: In the Matter of Appalachian Power Company for a 2011 Biennial Review of the Rates, Terms, and Conditions for the Provision of Generation, Distribution, and Transmission Services Pursuant to § 56-585.1 A of the Code of Virginia.

Illinois Commerce Commission Docket No. 11-0279 and 11-0282 (cons.): Ameren Illinois Company Proposed General Increase in Electric Delivery Service and Ameren Illinois Company Proposed General Increase in Gas Delivery Service.

Virginia State Corporation Commission Case No. PUE-2011-00045: Application of Virginia Electric and Power Company to Revise its Fuel Factor Pursuant to § 56-249.6 of the Code of Virginia.

Utah Public Service Commission Docket No. 10-035-124: In the Matter of the Application of Rocky Mountain Power for Authority to Increase its Retail Electric Utility Service Rates in Utah and for Approval of its Proposed Electric Service Schedules and Electric Service Regulations.

Maryland Public Utilities Commission Case No. 9249: In the Matter of the Application of Delmarva Power & Light for an Increase in its Retail Rates for the Distribution of Electric Energy.

Minnesota Public Utilities Commission Docket No. E002/GR-10-971: In the Matter of the Application of Northern States Power Company d/b/a Xcel Energy for Authority to Increase Rates for Electric Service in Minnesota.

Michigan Public Service Commission Case No. U-16472: In the Matter of the Detroit Edison Company for Authority to Increase its Rates, Amend its Rate Schedules and Rules Governing the Distribution and Supply of Electric Energy, and for Miscellaneous Accounting Authority.

2010

Public Utilities Commission of Ohio Docket No. 10-2586-EL-SSO: In the Matter of the Application of Duke Energy Ohio for Approval of a Market Rate Offer to Conduct a Competitive Bidding Process for Standard Service Offer Electric Generation Supply, Accounting Modifications, and Tariffs for Generation Service.

Colorado Public Utilities Commission Docket No. 10A-554EG: In the Matter of the Application of Public Service Company of Colorado for Approval of a Number of Strategic Issues Relating to its DSM Plan, Including Long-Term Electric Energy Savings Goals, and Incentives.

Public Service Commission of West Virginia Case No. 10-0699-E-42T: Appalachian Power Company and Wheeling Power Company Rule 42T Application to Increase Electric Rates.

Oklahoma Corporation Commission Cause No. PUD 201000050: Application of Public Service Company of Oklahoma, an Oklahoma Corporation, for an Adjustment in its Rates and Charges and Terms and Conditions of Service for Electric Service in the State of Oklahoma.

Georgia Public Service Commission Docket No. 31958-U: In Re: Georgia Power Company's 2010 Rate Case.

Washington Utilities and Transportation Commission Docket No. UE-100749: 2010 Pacific Power & Light Company General Rate Case.

Colorado Public Utilities Commission Docket No. 10M-254E: In the Matter of Commission Consideration of Black Hills Energy's Plan in Compliance with House Bill 10-1365, "Clean Air-Clean Jobs Act."

Colorado Public Utilities Commission Docket No. 10M-245E: In the Matter of Commission Consideration of Public Service Company of Colorado Plan in Compliance with House Bill 10-1365, "Clean Air-Clean Jobs Act."

Public Service Commission of Utah Docket No. 09-035-15 *Phase II*: In the Matter of the Application of Rocky Mountain Power for Approval of its Proposed Energy Cost Adjustment Mechanism.

Public Utility Commission of Oregon Docket No. UE 217: In the Matter of PACIFICORP, dba PACIFIC POWER Request for a General Rate Revision.

Mississippi Public Service Commission Docket No. 2010-AD-57: In Re: Proposal of the Mississippi Public Service Commission to Possibly Amend Certain Rules of Practice and Procedure.

Indiana Utility Regulatory Commission Cause No. 43374: Verified Petition of Duke Energy Indiana, Inc. Requesting the Indiana Utility Regulatory Commission to Approve an Alternative Regulatory Plan Pursuant to Ind. Code § 8-1-2.5-1, *ET SEQ.*, for the Offering of Energy Efficiency Conservation, Demand Response, and Demand-Side Management Programs and Associated Rate Treatment Including Incentives Pursuant to a Revised Standard Contract Rider No. 66 in Accordance with Ind. Code §§ 8-1-2.5-1 *ET SEQ.* and 8-1-2-42 (a); Authority to Defer Program Costs Associated with its Energy Efficiency Portfolio of Programs; Authority to Implement New and Enhanced Energy Efficiency Programs, Including the Powershare® Program in its Energy Efficiency Portfolio of Programs; and Approval of a Modification of the Fuel Adjustment Clause Earnings and Expense Tests.

Public Utility Commission of Texas Docket No. 37744: Application of Entergy Texas, Inc. for Authority to Change Rates and to Reconcile Fuel Costs.

South Carolina Public Service Commission Docket No. 2009-489-E: Application of South Carolina Electric & Gas Company for Adjustments and Increases in Electric Rate Schedules and Tariffs.

Kentucky Public Service Commission Case No. 2009-00459: In the Matter of General Adjustments in Electric Rates of Kentucky Power Company.

Virginia State Corporation Commission Case No. PUE-2009-00125: For acquisition of natural gas facilities Pursuant to § 56-265.4:5 B of the Virginia Code.

Arkansas Public Service Commission Docket No. 10-010-U: In the Matter of a Notice of Inquiry Into Energy Efficiency.

Connecticut Department of Public Utility Control Docket No. 09-12-05: Application of the Connecticut Light and Power Company to Amend its Rate Schedules.

Arkansas Public Service Commission Docket No. 09-084-U: In the Matter of the Application of Entergy Arkansas, Inc. For Approval of Changes in Rates for Retail Electric Service.

Missouri Public Service Commission Docket No. ER-2010-0036: In the Matter of Union Electric Company d/b/a AmerenUE for Authority to File Tariffs Increasing Rates for Electric Service Provided to Customers in the Company's Missouri Service Area.

Public Service Commission of Delaware Docket No. 09-414: In the Matter of the Application of Delmarva Power & Light Company for an Increase in Electric Base Rates and Miscellaneous Tariff Charges.

2009

Virginia State Corporation Commission Case No. PUE-2009-00030: In the Matter of Appalachian Power Company for a Statutory Review of the Rates, Terms, and Conditions for the Provision of Generation, Distribution, and Transmission Services Pursuant to § 56-585.1 A of the Code of Virginia.

Public Service Commission of Utah Docket No. 09-035-15 *Phase I*: In the Matter of the Application of Rocky Mountain Power for Approval of its Proposed Energy Cost Adjustment Mechanism.

Public Service Commission of Utah Docket No. 09-035-23: In the Matter of the Application of Rocky Mountain Power for Authority To Increase its Retail Electric Utility Service Rates in Utah and for Approval of Its Proposed Electric Service Schedules and Electric Service Regulations.

Colorado Public Utilities Commission Docket No. 09AL-299E: Re: The Tariff Sheets Filed by Public Service Company of Colorado with Advice Letter No. 1535 – Electric.

Arkansas Public Service Commission Docket No. 09-008-U: In the Matter of the Application of Southwestern Electric Power Company for Approval of a General Change in Rates and Tariffs.

Oklahoma Corporation Commission Docket No. PUD 200800398: In the Matter of the Application of Oklahoma Gas and Electric Company for an Order of the Commission Authorizing Applicant to Modify its Rates, Charges, and Tariffs for Retail Electric Service in Oklahoma.

Public Utilities Commission of Nevada Docket No. 08-12002: In the Matter of the Application by Nevada Power Company d/b/a NV Energy, filed pursuant to NRS §704.110(3) and NRS §704.110(4) for authority to increase its annual revenue requirement for general rates charged to all classes of customers, begin to recover the costs of acquiring the Bighorn Power Plant, constructing the Clark Peak, Environmental Retrofits and other generating, transmission and distribution plant additions, to reflect changes in cost of service and for relief properly related thereto.

New Mexico Public Regulation Commission Case No. 08-00024-UT: In the Matter of a Rulemaking to Revise NMPRC Rule 17.7.2 NMAC to Implement the Efficient Use of Energy Act.

Indiana Utility Regulatory Commission Cause No. 43580: Investigation by the Indiana Utility Regulatory Commission, of Smart Grid Investments and Smart Grid Information Issues Contained in 111(d) of the Public Utility Regulatory Policies Act of 1978 (16 U.S.C. § 2621(d)), as Amended by the Energy Independence and Security Act of 2007.

Louisiana Public Service Commission Docket No. U-30192 *Phase II (February 2009)*: Ex Parte, Application of Entergy Louisiana, LLC for Approval to Repower Little Gypsy Unit 3 Electric Generating Facility and for Authority to Commence Construction and for Certain Cost Protection and Cost Recovery.

South Carolina Public Service Commission Docket No. 2008-251-E: In the Matter of Progress Energy Carolinas, Inc.'s Application For the Establishment of Procedures to Encourage Investment in Energy

Kentucky Public Service Commission Case No. 2022-00372

Efficient Technologies; Energy Conservation Programs; And Incentives and Cost Recovery for Such Programs.

2008

Colorado Public Utilities Commission Docket No. 08A-366EG: In the Matter of the Application of Public Service Company of Colorado for approval of its electric and natural gas demand-side management (DSM) plan for calendar years 2009 and 2010 and to change its electric and gas DSM cost adjustment rates effective January 1, 2009, and for related waivers and authorizations.

Public Service Commission of Utah Docket No. 07-035-93: In the Matter of the Application of Rocky Mountain Power for Authority to Increase its Retail Electric Utility Service Rates in Utah and for Approval of its Proposed Electric Service Schedules and Electric Service Regulations, Consisting of a General Rate Increase of Approximately \$161.2 Million Per Year, and for Approval of a New Large Load Surcharge.

Indiana Utility Regulatory Commission Cause No. 43374: Petition of Duke Energy Indiana, Inc. Requesting the Indiana Utility Regulatory Commission Approve an Alternative Regulatory Plan for the Offering of Energy Efficiency, Conservation, Demand Response, and Demand-Side Management.

Public Utilities Commission of Nevada Docket No. 07-12001: In the Matter of the Application of Sierra Pacific Power Company for authority to increase its general rates charged to all classes of electric customers to reflect an increase in annual revenue requirement and for relief properly related thereto.

Louisiana Public Service Commission Docket No. U-30192 *Phase II*: Ex Parte, Application of Entergy Louisiana, LLC for Approval to Repower Little Gypsy Unit 3 Electric Generating Facility and for Authority to Commence Construction and for Certain Cost Protection and Cost Recovery.

Colorado Public Utilities Commission Docket No. 07A-420E: In the Matter of the Application of Public Service Company of Colorado For Authority to Implement and Enhanced Demand Side Management Cost Adjustment Mechanism to Include Current Cost Recovery and Incentives.

2007

Louisiana Public Service Commission Docket No. U-30192: Ex Parte, Application of Entergy Louisiana, LLC for Approval to Repower Little Gypsy Unit 3 Electric Generating Facility and for Authority to Commence Construction and for Certain Cost Protection and Cost Recovery.

Public Utility Commission of Oregon Docket No. UG 173: In the Matter of PUBLIC UTILITY COMMISSION OF OREGON Staff Request to Open an Investigation into the Earnings of Cascade Natural Gas.

2006

Public Utility Commission of Oregon Docket No. UE 180/UE 181/UE 184: In the Matter of PORTLAND GENERAL ELECTRIC COMPANY Request for a General Rate Revision.

Public Utility Commission of Oregon Docket No. UE 179: In the Matter of PACIFICORP, dba PACIFIC POWER AND LIGHT COMPANY Request for a general rate increase in the company's Oregon annual revenues.

Public Utility Commission of Oregon Docket No. UM 1129 *Phase II*: Investigation Related to Electric Utility Purchases From Qualifying Facilities.

2005

Public Utility Commission of Oregon Docket No. UM 1129 *Phase I Compliance*: Investigation Related to Electric Utility Purchases From Qualifying Facilities.

Public Utility Commission of Oregon Docket No. UX 29: In the Matter of QWEST CORPORATION Petition to Exempt from Regulation Qwest's Switched Business Services.

2004

Public Utility Commission of Oregon Docket No. UM 1129 *Phase I*: Investigation Related to Electric Utility Purchases From Qualifying Facilities.

TESTIMONY BEFORE LEGISLATIVE BODIES

2020

Regarding Missouri Senate Joint Resolution 34: Written testimony submitted to the Missouri Senate Transportation, Infrastructure and Public Safety Committee, January 30, 2020.

2019

Regarding North Carolina Senate Bill 559: Written testimony submitted to the North Carolina Committee on Agriculture/Environment/Natural Resources, April 17, 2019.

Regarding Missouri Senate Joint Resolution 25: Written testimony submitted to the Missouri Senate Committee on Judiciary, March 28, 2019.

Regarding South Carolina House Bill 3659: Written testimony submitted to the South Carolina Senate Committee on Judiciary, March 14, 2019.

Regarding Kansas Senate Bill 69: Written testimony submitted to the Kansas Committee on Utilities, February 19, 2019.

2018

Regarding Missouri Senate Bill 564: Testimony before the Missouri Senate Committee on Commerce, Consumer Protection, Energy and the Environment, January 10, 2018.

2017

Regarding Missouri Senate Bill 190: Testimony before the Missouri Senate Committee on Commerce, Consumer Protection, Energy and the Environment, January 25, 2017.

2016

Regarding Missouri House Bill 1726: Testimony before the Missouri House Energy and Environment Committee, April 26, 2016.

2014

Regarding Kansas House Bill 2460: Testimony Before the Kansas House Standing Committee on Utilities and Telecommunications, February 12, 2014.

2012

Regarding Missouri House Bill 1488: Testimony Before the Missouri House Committee on Utilities, February 7, 2012.

2011

Regarding Missouri Senate Bills 50, 321, 359, and 406: Testimony Before the Missouri Senate Veterans' Affairs, Emerging Issues, Pensions, and Urban Affairs Committee, March 9, 2011.

AFFIDAVITS

2015

Supreme Court of Illinois, Docket No. 118129, Commonwealth Edison Company et al., respondents, v. Illinois Commerce Commission et al. (Illinois Competitive Energy Association et al., petitioners). Leave to appeal, Appellate Court, First District.

2011

Colorado Public Utilities Commission Docket No. 11M-951E: In the Matter of the Petition of Public Service Company of Colorado Pursuant to C.R.S. § 40-6-111(1)(d) for Interim Rate Relief Effective on or before January 21, 2012.

ENERGY INDUSTRY PUBLICATIONS AND PRESENTATIONS

Panelist, Green Tariffs: Benefits and Opportunities for Energy Customers and Utilities, VERGE, San Jose, California, October 26, 2022.

Panelist, Leveraging Electric Company Partnerships to Support Corporate Customer Business Strategies, Edison Electric Institute National Key Accounts Workshop, Indianapolis, Indiana, October 24, 2022.

Speaker, Supporting Walmart's Regenerative Journey, Edison Electric Institute National Key Accounts Workshop, New Orleans, Louisiana, March 21, 2022.

Speaker, Walmart and the Co-ops: The Value of Partnership, Texas Electric Cooperatives 22nd Annual Directors Conference, January 11, 2022.

Speaker, Walmart and the Co-ops: The Value of Partnership, Texas Electric Cooperatives Managers Conference, December 2, 2021.

Panelist, Industry Priorities for Building Renewable Infrastructure, ACORE Grid Forum, November 3, 2021.

Panelist, Achieving a 100% Carbon Free Energy Economy, Edison Electric Institute National Key Accounts Workshop, Long Beach, California, October 25, 2021.

Panelist, Public Private Partnerships: How Utilities and Customers are Working Together for a More Sustainable Future, Arkansas Advanced Energy Association Empower Arkansas, Little Rock, Arkansas, October 14, 2021.

Panelist, Understanding Nontraditional Stakeholders, University of Idaho Energy Executive Summit, Austin, Texas, October 12, 2021.

Panelist, US City & Corporate Clean Energy Procurement and its Role in Achieving the Paris Agreement's Goals, United States Environmental Protection Agency, September 1, 2021.

Panelist, WalStreet Fireside Chat – Future of Energy, Bentonville Chamber of Commerce, July 27, 2021.

Panelist, Corporate Customer Partnerships, EEI 2021: The Road to Net Zero, June 9, 2021.

Panelist, Counting to Clean: Corporate Sustainability and Renewable Energy, Energy Bar Association, May 12, 2021.

Speaker, Designing a Customer-Centric Clean Energy Standard, REBA Connect 2021 Virtual Member Summit, May 11, 2021.

Panelist, Delivering 100% Carbon Free Energy: Options & Issues, Northwestern Center on Law, Business, and Economics, March 16, 2021.

Electric Company Updates and Discussion on Best Practices for Serving National Corporate Customers Webinar, Edison Electric Institute, March 9, 2021.

Panelist, ComEd Fleet Electrification Webinar, December 10, 2020.

Panelist, Corporate Offtaker Perspectives Panel, Southeast Renewable Energy Summit, November 18, 2020.

Panelist, EEI National Key Accounts – Connections that Mean Business for Corporate Customers, EEI Fall National Key Accounts Workshop, October 28, 2020.

Panelist, COVID-19, a Catalyzer or a Barrier to Decarbonization?, Power & Renewables Summit 2020, September 28, 2020.

Panelist, What Organized Markets Can Do for You, REBA Connect: Virtual Member Summit 2020, June 2, 2020.

Panelist, Expanding Future Procurement Options, REBA Connect: Virtual Member Summit 2020, May 13, 2020.

Panelist, Renewable Energy Options for Large Utility Customers, NARUC Center for Partnership & Innovation Webinar Series, January 16, 2020.

Panelist, Pathways to Integrating Customer Clean Energy Demand in Utility Planning, REBA: Market Innovation webinar, January 13, 2020.

Panelist, Should Full Electrification of Energy Systems be Our Goal? If it's No Longer Business as Usual, What Does That Mean for Consumers?, National Association of State Utility Consumer Advocates 2019 Annual Meeting, San Antonio, Texas, November 18, 2019.

Panelist, Fleet Electrification, Federal Utility Partnership Working Group Seminar, Washington, DC, November 8, 2019.

Panelist, Tackling the Challenges of Extreme Weather, Edison Electric Institute Fall National Key Accounts Workshop, Las Vegas, Nevada, October 8, 2019.

Panelist, Fleet Electrification: Tackling the Challenges and Seizing the Opportunities for Electric Trucks, Powering the People 2019, Washington, D.C., September 24, 2019.

Panelist, From the Consumer Perspective, Mid-American Regulatory Conference 2019 Annual Meeting, Des Moines, Iowa, August 13, 2019.

Panelist, Redefining Resiliency: Emerging Technologies Benefiting Customers and the Grid, EPRI 2019 Summer Seminar, Chicago, Illinois, August 12, 2019.

Panelist, Energy Policies for Economic Growth, 2019 Energy Policy Summit, NCSL Legislative Summit, Nashville, Tennessee, August 5, 2019.

Panelist, Gateway to Energy Empowerment for Customers, Illumination Energy Summit, Columbus, Ohio, May 15, 2019.

Kentucky Public Service Commission Case No. 2022-00372

Panelist, Advancing Clean Energy Solutions Through Stakeholder Collaborations, 2019 State Energy Conference of North Carolina, Raleigh, North Carolina, May 1, 2019.

Panelist, Fleet Electrification: Getting Ready for the Transition, Edison Electric Institute Spring National Key Accounts Workshop, Seattle, Washington, April 8, 2019.

Panelist, Where the Fleet Meets the Pavement, Which Way to Electrification of the U.S. Transportation System?, Washington, D.C., April 4, 2019.

Panelist, Improving Renewable Energy Offerings: What Have We Learned?, Advanced Energy Economy Webinar, March 26, 2019.

Speaker, National Governors Association Southeast Regional Transportation Electrification Workshop, Nashville, Tennessee, March 11, 2019.

Speaker, Walmart Spotlight: A Day in the Life of a National Energy Manager, Touchstone Energy Cooperatives Net Conference 2019, San Diego, California, February 12, 2019.

Panelist, National Accounts: The Struggle is Real, American Public Power Association Customer Connections Conference, Orlando, Florida, November 6, 2018.

Panelist, Getting in Front of Customers Getting Behind the Meter Solutions, American Public Power Association Customer Connections Conference, Orlando, Florida, November 6, 2018.

Panelist, Sustainable Fleets: The Road Ahead for Electrifying Fleet Operations, EEI National Key Accounts 2018 Fall Workshop, San Antonio, Texas, October 23, 2018.

Panelist, Meeting Corporate Clean Energy Requirements in Virginia, Renewable Energy Buyers Alliance Summit, Oakland, California, October 15, 2018.

Panelist, What Are the Anticipated Impacts on Pricing and Reliability in the Changing Markets?, Southwest Energy Conference, Phoenix, Arizona, September 21, 2018.

Speaker, Walmart's Project Gigaton – Driving Renewable Energy Sourcing in the Supply Chain, Smart Energy Decisions Webcast Series, July 11, 2018.

Panelist, Customizing Energy Solutions, Edison Electric Institute Annual Convention, San Diego, California, June 7, 2018.

Powering Ohio Report Release, Columbus, Ohio, May 29, 2018.

Panelist, The Past, Present, and Future of Renewable Energy: What Role Will PURPA, Mandates, and Collaboration Play as Renewables Become a Larger Part of Our Energy Mix?, 36th National Regulatory Conference, Williamsburg, Virginia, May 17, 2018.

Panelist, Sustainability Milestone Deep Dive Session, Walmart Global Sustainability Leaders Summit, Bentonville, Arkansas, April 18, 2018.

Panelist, The Customer's Voice, Tennessee Valley Authority Distribution Marketplace Forum, Murfreesboro, Tennessee, April 3, 2018.

Kentucky Public Service Commission Case No. 2022-00372

Panelist, Getting to Yes with Large Customers to Meet Sustainability Goals, The Edison Foundation Institute for Electric Innovation Powering the People, March 7, 2018.

Panelist, The Corporate Quest for Renewables, 2018 NARUC Winter Policy Summit, Washington, D.C., February 13, 2018.

Panelist, Solar and Renewables, Touchstone Energy Cooperatives NET Conference 2018, St. Petersburg, Florida, February 6, 2018.

Panelist, Missouri Public Service Commission November 20, 2017 Workshop in File No. EW-2017-0245.

Panelist, Energy and Climate Change, 2017-18 Arkansas Law Review Symposium: Environmental Sustainability and Private Governance, Fayetteville, Arkansas, October 27, 2017.

Panelist, Customer – Electric Company – Regulator Panel, Edison Electric Institute Fall National Key Accounts Workshop, National Harbor, Maryland, October 12, 2017.

Panelist, What Do C&I Buyers Want, Solar Power International, Las Vegas, Nevada, September 12, 2017.

Panelist, Partnerships for a Sustainable Future, American Public Power Association National Conference, Orlando, Florida, June 20, 2017.

Panelist, Corporate Renewable Energy Buyers in the Southeast, SEARUC 2017, Greensboro, Georgia, June 12, 2017.

Panelist, Transitioning Away from Traditional Utilities, Utah Association of Energy Users Annual Conference, Salt Lake City, Utah, May 18, 2017.

Panelist, Regulatory Approaches for Integrating and Facilitating DERs, New Mexico State University Center for Public Utilities Advisory Council Current Issues 2017, Santa Fe, New Mexico, April 25, 2017.

Presenter, Advancing Renewables in the Midwest, Columbia, Missouri, April 24, 2017.

Panelist, Leveraging New Energy Technologies to Improve Service and Reliability, Edison Electric Institute Spring National Key Accounts Workshop, Phoenix, Arizona, April 11, 2017.

Panelist, Private Sector Demand for Renewable Power, Vanderbilt Law School, Nashville, Tennessee, April 4, 2017.

Panelist, Expanding Solar Market Opportunities, 2017 Solar Power Colorado, Denver, Colorado, March 15, 2017.

Panelist, Renewables: Are Business Models Keeping Up?, Touchstone Energy Cooperatives NET Conference 2017, San Diego, California, January 30, 2017.

Panelist, The Business Case for Clean Energy, Minnesota Conservative Energy Forum, St. Paul, Minnesota, October 26, 2016.

Panelist, M-RETS Stakeholder Summit, Minneapolis, Minnesota, October 5, 2016.

Panelist, 40th Governor's Conference on Energy & the Environment, Kentucky Energy and Environment Cabinet, Lexington, Kentucky, September 21, 2016.

Panelist, Trends in Customer Expectations, Wisconsin Public Utility Institute, Madison, Wisconsin, September 6, 2016.

Panelist, The Governor's Utah Energy Development Summit 2015, May 21, 2015.

Mock Trial Expert Witness, The Energy Bar Association State Commission Practice and Regulation Committee and Young Lawyers Committee and Environment, Energy and Natural Resources Section of the D.C. Bar, Mastering Your First (or Next) State Public Utility Commission Hearing, February 13, 2014.

Panelist, Customer Panel, Virginia State Bar 29th National Regulatory Conference, Williamsburg, Virginia, May 19, 2011.

Chriss, S. (2006). "Regulatory Incentives and Natural Gas Purchasing – Lessons from the Oregon Natural Gas Procurement Study." Presented at the 19th Annual Western Conference, Center for Research in Regulated Industries Advanced Workshop in Regulation and Competition, Monterey, California, June 29, 2006.

Chriss, S. (2005). "Public Utility Commission of Oregon Natural Gas Procurement Study." Public Utility Commission of Oregon, Salem, OR. Report published in June, 2005. Presented to the Public Utility Commission of Oregon at a special public meeting on August 1, 2005.

Chriss, S. and M. Radler (2003). "Report from Houston: Conference on Energy Deregulation and Restructuring." USAEE Dialogue, Vol. 11, No. 1, March, 2003.

Chriss, S., M. Dwyer, and B. Pulliam (2002). "Impacts of Lifting the Ban on ANS Exports on West Coast Crude Oil Prices: A Reconsideration of the Evidence." Presented at the 22nd USAEE/IAEE North American Conference, Vancouver, BC, Canada, October 6-8, 2002.

Contributed to chapter on power marketing: "Power System Operations and Electricity Markets," Fred I. Denny and David E. Dismukes, authors. Published by CRC Press, June 2002.

Contributed to "Moving to the Front Lines: The Economic Impact of the Independent Power Plant Development in Louisiana," David E. Dismukes, author. Published by the Louisiana State University Center for Energy Studies, October 2001.

Dismukes, D.E., D.V. Mesyanzhinov, E.A. Downer, S. Chriss, and J.M. Burke (2001). "Alaska Natural Gas In-State Demand Study." Anchorage: Alaska Department of Natural Resources.

COMMONWEALTH OF KENTUCKY

BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

**ELECTRONIC APPLICATION OF DUKE ENERGY)
KENTUCKY, INC. FOR (1) AN ADJUSTMENT OF)
ELECTRIC RATES; (2) APPROVAL OF NEW) CASE NO. 2022-00372
TARIFFS; (3) APPROVAL OF ACCOUNTING)
PRACTICES TO ESTABLISH REGULATORY ASSETS)
AND LIABILITIES; AND (4) ALL OTHER REQUIRED)
APPROVALS AND RELIEF)**

EXHIBIT SWC-2 (CORRECTED) OF

STEVE W. CHRISS

ON BEHALF OF

WALMART INC.

Revenue Requirement Impact of DEK's Proposed ROE Versus DEK's Currently Approved ROE, Forecasted Period

Line No.	Source	Description	Percent	Rate	Amount
1	Schedule J-1, page 2	Short-Term Debt	3.78%	4.74%	0.18%
2	Schedule J-1, page 2	Long-Term Debt	43.71%	4.38%	1.91%
3	Schedule J-1, page 2	Common Stock Equity, Currently Approved	52.51%	9.25%	4.86%
4	Sum Line 1 to Line 3	Total			6.95%
5	Schedule A	Rate Base		\$	1,176,674,865
6	Line 4 x Line 5	Required Operating Income, Currently Approved ROE		\$	81,770,190
7	Schedule A	Required Operating Income, Proposed		\$	88,556,550
8	Line 7 - Line 6	Difference in Operating Income		\$	6,786,360
9	Schedule A	Gross Revenue Conversion Factor			1.3342
10	Line 8 x Line 9	Difference from Proposed Revenue Requirement		\$	9,054,622
11	Schedule A	Proposed Gross Revenue Requirement Increase		\$	75,176,777
12	Line 10 / Line 11	Percentage of Proposed Revenue Requirement			12.0%

COMMONWEALTH OF KENTUCKY

BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

**ELECTRONIC APPLICATION OF DUKE ENERGY)
KENTUCKY, INC. FOR (1) AN ADJUSTMENT OF)
ELECTRIC RATES; (2) APPROVAL OF NEW) CASE NO. 2022-00372
TARIFFS; (3) APPROVAL OF ACCOUNTING)
PRACTICES TO ESTABLISH REGULATORY ASSETS)
AND LIABILITIES; AND (4) ALL OTHER REQUIRED)
APPROVALS AND RELIEF)**

EXHIBIT SWC-3 (CORRECTED) OF

STEVE W. CHRISS

ON BEHALF OF

WALMART INC.

Reported Authorized Returns on Equity, Electric Utility Rate Cases Completed, 2019 to Present

State	Utility	Parent Company Ticker	Docket	Requested ROE	Order Date	Vertically Integrated	Approved ROE	Difference	Applicant's Electric Proxy Group (Y/N)	ROE Fully Litigated or Settled	Approved WACC	Approved Equity Ratio	Equity Contribution	
						(V) / Distribution Only (D)								
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	
								(8) - (5)						(8) X (13)
Michigan	Consumers Energy Co.	CMS	U-20134	10.75%	1/9/2019	V	10.00%	(75)		Settled	N/A	N/A	N/A	
West Virginia	Appalachian Power Co.	AEP	18-0646-E-42T	10.22%	2/27/2019	V	9.75%	(47)	Y	Settled	7.28%	50.16%	4.89%	
New Jersey	Atlantic City Electric Co.	EXC	ER18080925	10.10%	3/13/2019	D	9.60%	(50)		Settled	7.08%	49.94%	4.79%	
New York	Orange & Rockland Utilities Inc.	ED	18-E-0067	9.75%	3/14/2019	D	9.00%	(75)		Settled	6.97%	48.00%	4.32%	
Oklahoma	Public Service Company of OK	AEP	PUD201800097	10.30%	3/14/2019	V	9.40%	(90)	Y	Settled	6.97%	N/A	N/A	
Maryland	Potomac Edison Co.	FE	9490	10.80%	3/22/2019	D	9.65%	(115)		Fully Litigated	7.15%	52.82%	5.10%	
Kentucky	Kentucky Utilities Co.	PPL	2018-00294	10.42%	4/30/2019	V	9.73%	(69)		Settled	N/A	N/A	N/A	
Kentucky	Louisville Gas & Electric Co.	PPL	2018-00295	10.42%	4/30/2019	V	9.73%	(69)		Settled	N/A	N/A	N/A	
South Carolina	Duke Energy Carolinas LLC	DUK	2018-319-E	10.50%	5/1/2019	V	9.50%	(100)		Fully Litigated	7.16%	53.00%	5.04%	
Michigan	DTE Electric Co.	DTE	U-20162	10.50%	5/2/2019	V	10.00%	(50)		Fully Litigated	5.48%	37.94%	3.79%	
South Carolina	Duke Energy Progress LLC	DUK	2018-318-E	10.50%	5/8/2019	V	9.50%	(100)		Fully Litigated	6.99%	53.00%	5.04%	
South Dakota	Otter Tail Power Co.	OTTR	EL18-021	10.30%	5/14/2019	V	8.75%	(155)		Fully Litigated	7.09%	52.92%	4.63%	
Hawaii	Maui Electric Company Ltd	HE	2017-0150	10.60%	5/16/2019	V	9.50%	(110)	Y	Settled	7.43%	57.02%	5.42%	
Michigan	Upper Peninsula Power Co.		U-20276	10.50%	5/23/2019	V	9.90%	(60)		Settled	6.91%	N/A	N/A	
Maryland	Potomac Electric Power Co.	EXC	9602	10.30%	8/12/2019	D	9.60%	(70)		Fully Litigated	7.45%	50.46%	4.84%	
Vermont	Green Mountain Power Corp.		19-1932-TF	9.16%	8/29/2019	V	9.06%	(10)		Fully Litigated	6.85%	49.46%	4.48%	
Wisconsin	Northern States Power Co - WI	XEL	4220-UR-124	N/A	9/4/2019	V	10.00%	N/A	Y	Settled	7.74%	52.52%	5.25%	
Massachusetts	Massachusetts Electric Co.	NG	DPU-18-150	10.50%	9/30/2019	D	9.60%	(90)		Fully Litigated	7.56%	53.49%	5.14%	
Montana	Northwestern Corp.	NWE	D2018.2.12	10.65%	10/29/2019	V	9.65%	(100)		Settled	6.92%	49.38%	4.77%	
Wisconsin	Wisconsin Electric Power Co.	WEC	05-UR-109	10.35%	10/31/2019	V	10.00%	(35)		Settled	7.49%	54.46%	5.45%	
Wisconsin	Wisconsin Public Service Corp.	WEC	6690-UR-126	10.35%	10/31/2019	V	10.00%	(35)		Settled	7.22%	51.96%	5.20%	
Louisiana	Entergy New Orleans LLC	ETR	UD-18-07	10.50%	11/7/2019	V	9.35%	(115)	Y	Fully Litigated	7.09%	50.00%	4.68%	
Idaho	Avista Corp.	AVA	AVU-E-19-04	9.90%	11/29/2019	V	9.50%	(40)		Settled	7.35%	50.00%	4.75%	
Illinois	Commonwealth Edison Co.	EXC	19-0387	8.91%	12/4/2019	D	8.91%	-		Fully Litigated	6.51%	47.97%	4.27%	
Indiana	Northern Indiana Public Service Co.	NI	45159	10.80%	12/4/2019	V	9.75%	(105)		Settled	6.52%	47.86%	4.67%	
Illinois	Ameren Illinois	AEE	19-0436	8.91%	12/16/2019	D	8.91%	-	Y	Fully Litigated	6.71%	50.00%	4.46%	
Georgia	Georgia Power Co.	SO	42516	10.90%	12/17/2019	V	10.50%	(40)	Y	Fully Litigated	N/A	56.00%	5.88%	
Maryland	Baltimore Gas and Electric Co.	EXC	9610	10.30%	12/17/2019	D	9.70%	(60)		Settled	6.94%	N/A	N/A	
California	Pacific Gas & Electric Co.	PCG	A-19-04-015	12.00%	12/19/2019	V	10.25%	(175)		Fully Litigated	7.81%	52.00%	5.33%	
California	San Diego Gas & Electric Co.	SRE	A-19-04-017	12.38%	12/19/2019	V	10.20%	(218)		Fully Litigated	7.55%	52.00%	5.30%	
California	Southern California Edison Co.	EIX	A-19-04-014	11.45%	12/19/2019	V	10.30%	(115)	Y	Fully Litigated	7.68%	52.00%	5.36%	
Arkansas	Southwestern Electric Power Co.	AEP	19-008-U	10.50%	12/20/2019	V	9.45%	(105)	Y	Settled	4.93%	33.71%	3.19%	
Nevada	Sierra Pacific Power Co.	BRK.A	19-06002	10.21%	12/24/2019	V	9.50%	(71)		Settled	6.75%	50.92%	4.84%	
Iowa	Interstate Power & Light Co.	LNT	RPU-2019-0001	10.25%	1/8/2020	V	10.02%	(23)	Y	Settled	7.23%	51.00%	5.11%	
New York	Consolidated Edison Co. of NY	ED	19-E-0065	9.75%	1/16/2020	D	8.80%	(95)		Settled	6.61%	48.00%	4.22%	
New Jersey	Rockland Electric Company	ED	ER19050552	9.60%	1/22/2020	D	9.50%	(10)		Settled	7.11%	48.32%	4.59%	
Michigan	Indiana Michigan Power Co.	AEP	U-20359	10.50%	1/23/2020	V	9.86%	(64)	Y	Settled	6.08%	46.56%	4.59%	
California	PacificCorp	BRK.A	A-18-04-002	10.60%	2/6/2020	V	10.00%	(60)		Fully Litigated	N/A	51.96%	5.20%	
Colorado	Public Service Company of Colorado	XEL	19AL-0268E	10.20%	2/11/2020	V	9.30%	(90)	Y	Fully Litigated	6.97%	55.61%	5.17%	
Texas	Centerpoint Energy	CNP	49421	10.40%	2/14/2020	D	9.40%	(100)		Settled	6.51%	42.50%	4.00%	
Maine	Central Maine Power Co.	IBE	2018-00194	10.00%	2/19/2020	D	8.25%	(175)		Fully Litigated	6.30%	50.00%	4.13%	
North Carolina	Virginia Electric & Power Co.	D	E-22 Sub 562	10.75%	2/24/2020	V	9.75%	(100)		Settled	7.20%	52.00%	5.07%	

Reported Authorized Returns on Equity, Electric Utility Rate Cases Completed, 2019 to Present

State	Utility	Parent Company Ticker	Docket	Requested ROE	Order Date	Vertically Integrated (V) / Distribution Only (D)	Approved ROE	Difference	Applicant's Electric Proxy Group (Y/N)	ROE Fully Litigated or Settled	Approved WACC	Approved Equity Ratio	Equity Contribution	
													(8) X (13)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	
								(8) - (5)						(8) X (13)
Texas	AEP Texas Inc.	AEP	49494	10.50%	2/27/2020	D	9.40%	(110)	Y	Settled	6.45%	42.50%	4.00%	
Indiana	Indiana Michigan Power Co.	AEP	45235	10.50%	3/11/2020	V	9.70%	(80)	Y	Fully Litigated	5.61%	37.55%	3.64%	
Washington	Avista Corp.	AVA	UE-190334	9.90%	3/25/2020	V	9.40%	(50)		Settled	7.21%	48.50%	4.56%	
Massachusetts	Fitchburg Gas & Electric Light	UTL	DPU 19-130	10.50%	4/17/2020	D	9.70%	(80)		Settled	7.99%	52.45%	5.09%	
Kentucky	Duke Energy Kentucky Inc.	DUK	2019-00271	9.80%	4/27/2020	V	9.25%	(55)		Fully Litigated	6.41%	48.23%	4.46%	
Michigan	DTE Electric Co.	DTE	U-20561	10.50%	5/8/2020	V	9.90%	(60)		Fully Litigated	5.46%	38.32%	3.79%	
New Mexico	Southwestern Public Service Co	XEL	19-00170-UT	10.10%	5/20/2020	V	9.45%	(65)	Y	Settled	7.19%	54.77%	5.18%	
Indiana	Duke Energy Indiana, LLC	DUK	45253	10.40%	6/29/2020	V	9.70%	(70)		Fully Litigated	5.71%	40.98%	3.98%	
New Hampshire	Liberty Utilities Granite St	AQN	DE-19-064	10.00%	6/30/2020	D	9.10%	(90)		Settled	7.60%	52.00%	4.73%	
Missouri	Empire District Electric Co.	AQN	ER-2019-0374	9.95%	7/1/2020	V	9.25%	(70)		Settled	6.77%	46.00%	4.26%	
Washington	Puget Sound Energy Inc.		UE-190529	9.50%	7/8/2020	V	9.40%	(10)		Fully Litigated	7.39%	48.50%	4.56%	
Maryland	Delmarva Power & Light Co.	EXC	9630	10.30%	7/14/2020	D	9.60%	(70)		Fully Litigated	6.84%	50.53%	4.85%	
Hawaii	Hawaii Electric Light Co	HE	2018-0368	10.50%	7/28/2020	V	9.50%	(100)	Y	Settled	7.52%	56.83%	5.40%	
California	Liberty Utilities (CalPeco Electric)	AQN	A-18-12-001	10.30%	8/27/2020	V	10.00%	(30)		Fully Litigated	7.63%	52.50%	5.25%	
Vermont	Green Mountain Power Corp.		20-1407-TF	8.20%	8/27/2020	V	8.20%	-		Fully Litigated	6.43%	49.87%	4.09%	
Texas	Southwestern Public Service Co	XEL	49831	10.10%	8/27/2020	V	9.45%	(65)	Y	Settled	7.13%	54.62%	5.16%	
Hawaii	Hawaiian Electric Co.	HE	2019-0085	10.50%	10/22/2020	V	9.50%	(100)	Y	Settled	7.37%	56.83%	5.40%	
New Jersey	Jersey Central Power & Light Co.	FE	ER20020146	10.15%	10/28/2020	D	9.60%	(55)		Settled	7.40%	51.44%	4.94%	
New York	NY State Electric & Gas Corp	IBE	19-E-0378	9.50%	11/19/2020	D	8.80%	(70)		Settled	6.10%	48.00%	4.22%	
New York	Rochester Gas & Electric Corp	IBE	19-E-0380	9.50%	11/19/2020	D	8.80%	(70)		Settled	6.62%	48.00%	4.22%	
Virginia	Appalachian Power Co.	AEP	PUR-2020-00015	9.90%	11/24/2020	V	9.20%	(70)	Y	Fully Litigated	N/A	N/A	N/A	
Wisconsin	Madison Gas and Electric Co.	MGEE	3270-UR-123 (Elec)	9.80%	11/24/2020	V	9.80%	-		Settled	6.95%	55.00%	5.39%	
Illinois	Ameren Illinois	AEE	20-0381	8.38%	12/9/2020	D	8.38%	-	Y	Fully Litigated	6.39%	50.00%	4.19%	
Illinois	Commonwealth Edison Co.	EXC	20-0393	8.38%	12/9/2020	D	8.38%	-		Fully Litigated	6.28%	48.16%	4.04%	
Nevada	Nevada Power Co.	BRK.A	20-06003	10.08%	12/10/2020	V	9.40%	(68)		Settled	7.14%	N/A	N/A	
Washington	PacifiCorp	BRK.A	UE-191024	10.20%	12/14/2020	V	9.50%	(70)		Settled	7.17%	49.10%	4.66%	
New Hampshire	Public Service Co. of NH	ES	DE-19-057	10.40%	12/15/2020	D	9.30%	(110)		Settled	6.87%	54.40%	5.06%	
Maryland	Baltimore Gas and Electric Co.	EXC	9645	10.10%	12/16/2020	D	9.50%	(60)		Fully Litigated	6.75%	52.00%	4.94%	
Michigan	Consumers Energy Co.	CMS	U-20697	10.50%	12/17/2020	V	9.90%	(60)		Fully Litigated	5.67%	N/A	N/A	
Oregon	PacifiCorp	BRK.A	UE 374	9.80%	12/18/2020	V	9.50%	(30)		Fully Litigated	7.14%	50.00%	4.75%	
Arizona	Tucson Electric Power Co.	FTS	E-1933A-19-0028	10.00%	12/22/2020	V	9.15%	(85)		Fully Litigated	7.04%	53.08%	4.86%	
Wisconsin	Wisconsin Power and Light Co	LNT	6680-UR-122 (Elec)	N/A	12/23/2020	V	10.00%	N/A	Y	Fully Litigated	7.26%	52.53%	5.25%	
Utah	PacifiCorp	BRK.A	20-035-04	9.80%	12/30/2020	V	9.65%	(15)		Fully Litigated	7.34%	52.50%	5.07%	
Kentucky	Kentucky Power Co.	AEP	2020-00174	10.00%	1/13/2021	V	9.30%	(70)	Y	Fully Litigated	6.19%	43.25%	4.02%	
North Carolina	Duke Energy Carolinas LLC	DUK	E-7, Sub 1214	10.50%	3/31/2021	V	9.60%	(90)		Settled	7.04%	52.00%	4.99%	
North Carolina	Duke Energy Progress LLC	DUK	E-2, Sub 1219	10.50%	4/16/2021	V	9.60%	(90)		Settled	6.92%	52.00%	4.99%	
Florida	Duke Energy Florida LLC	DUK	20210016-EI	9.85%	5/4/2021	V	9.85%	-		Settled	N/A	N/A	N/A	
Wyoming	PacifiCorp	BRK.A	20000-578-ER-20	9.80%	5/18/2021	V	9.50%	(30)		Fully Litigated	7.19%	51.00%	4.85%	
District of Columbia	Potomac Electric	EXC	FC-1156	9.70%	6/4/2021	D	9.28%	(42)		Fully Litigated	7.17%	50.68%	4.70%	
Maryland	Potomac Electric Power Co.	EXC	9655	10.20%	6/23/2021	V	9.55%	(65)		Fully Litigated	7.21%	50.50%	4.82%	
New Mexico	El Paso Electric Co.		20-00104-UT	10.30%	6/28/2021	D	9.00%	(130)		Fully Litigated	7.18%	49.21%	4.43%	
Kentucky	Kentucky Utilities Co.	PPL	2020-00349	10.00%	6/30/2021	V	9.43%	(57)		Settled	N/A	N/A	N/A	

Reported Authorized Returns on Equity, Electric Utility Rate Cases Completed, 2019 to Present

State	Utility	Parent Company Ticker	Docket	Requested ROE	Order Date	Vertically	Approved ROE	Difference	Applicant's	ROE Fully	Approved	Equity	Equity	
						Integrated (V) / Distribution Only (D)								Electric Proxy Group (Y/N)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	
								(8) - (5)						(8) X (13)
Kentucky	Louisville Gas & Electric Co.	PPL	2020-00350 (elec.)	10.00%	6/30/2021	V	9.43%	(57)		Settled	NA	NA	N/A	
New Jersey	Atlantic City Electric Co.	EXC	ER20120746	10.30%	7/14/2021	D	9.60%	(70)		Settled	6.99%	50.21%	4.82%	
South Carolina	Dominion Energy South Carolina	D	2020-125-E	10.25%	7/21/2021	V	9.50%	(75)		Settled	N/A	51.62%	4.90%	
Delaware	Delmarva Power & Light Co.	EXC	20-0149	10.30%	8/5/2021	D	9.60%	(70)		Fully Litigated	6.80%	N/A	N/A	
North Dakota	Northern States Power Co.	XEL	PU-20-441	10.20%	8/18/2021	V	9.50%	(70)	Y	Settled	6.97%	52.50%	4.99%	
Vermont	Green Mountain Power Corp.		21-1963-TF	8.57%	8/31/2021	V	8.57%	-		Fully Litigated	6.67%	50.42%	4.32%	
Idaho	Avista Corp.	AVA	AVU-E-21-01	9.90%	9/1/2021	V	9.40%	(50)		Settled	7.05%	50.00%	4.70%	
Washington	Avista Corp.	AVA	UE-200900	9.90%	9/27/2021	V	9.40%	(50)		Settled	7.12%	48.50%	4.56%	
Florida	Tampa Electric Co.	EMA	20210034-EI	10.75%	10/21/2021	V	9.95%	(80)		Settled	6.26%	45.07%	4.48%	
Florida	Florida Power & Light Co.	NEE	20210015-EI	11.50%	10/26/2021	V	10.60%	(90)	Y	Settled	N/A	N/A	N/A	
Maine	Versant Power		2020-00316	9.35%	10/28/2021	D	9.35%	-		NA	6.57%	49.00%	4.58%	
Arizona	Arizona Public Service Co.	PNW	E-01345A-19-0236	10.00%	11/2/2021	V	8.70%	(130)		Settled	6.62%	54.67%	4.76%	
Minnesota	Otter Tail Power Co.	OTTR	E-017/GR-20-719	10.20%	11/4/2021	V	9.48%	(72)		Fully Litigated	7.18%	52.50%	4.98%	
Ohio	Ohio Power Co.	AEP	20-0585-EL-AIR	10.15%	11/17/2021	D	9.70%	(45)	Y	Settled	7.28%	43.43%	4.21%	
New York	Central Hudson Gas & Electric	FTS	20-E-0428	9.10%	11/18/2021	D	9.00%	(10)		Settled	6.48%	50.00%	4.50%	
Texas	Southwestern Electric Power Co	AEP	51415	10.35%	11/18/2021	V	9.25%	(110)	Y	Fully Litigated	6.69%	49.37%	4.57%	
Virginia	Virginia Electric & Power Co.	D	PUR-2021-00058	10.80%	11/18/2021	V	9.35%	(145)		Settled	6.92%	51.92%	4.85%	
Wisconsin	Madison Gas and Electric Co.	MGEE	3270-UR-124 (Elec)	9.80%	11/23/2021	V	9.80%	-		Settled	7.18%	55.00%	5.39%	
Wisconsin	Northern States Power Co.	XEL	4220-UR-125 (Elec)	10.00%	11/18/2021	V	10.00%	-	Y	Settled	7.31%	52.50%	5.25%	
Wisconsin	Wisconsin Power and Light Co	LNT	6680-UR-123 (Elec)	10.00%	11/18/2021	V	10.00%	-	Y	Settled	7.48%	52.50%	5.25%	
Illinois	Commonwealth Edison Co.	EXC	21-0367	7.36%	12/1/2021	D	7.36%	-		Fully Litigated	5.72%	48.70%	3.58%	
Illinois	Ameren Illinois	AEE	21-0365	7.36%	12/13/2021	D	7.36%	-	Y	Fully Litigated	5.78%	51.00%	3.75%	
New Jersey	Rockland Electric Company	ED	ER21050823	10.00%	12/15/2021	D	9.60%	(40)		Settled	7.08%	48.51%	4.66%	
Michigan	Consumers Energy Co.	CMS	U-20963	10.50%	12/22/2021	V	9.90%	(60)		Fully Litigated	5.62%	41.84%	4.14%	
Oklahoma	Public Service Co. of OK	AEP	PUD202100055	10.00%	12/28/2021	V	9.40%	(60)	Y	Settled	6.74%	N/A	N/A	
New York	Niagara Mohawk Power Corp.	NG	20-E-0380	9.50%	1/20/2022	D	9.00%	(50)		Settled	6.08%	48.00%	4.32%	
New Mexico	Southwestern Public Service Co	XEL	20-00238-UT	10.35%	2/16/2022	V	9.35%	(100)	Y	Settled	7.07%	54.72%	5.12%	
Indiana	Indiana Michigan Power Co.	AEP	45576	10.00%	2/23/2022	V	9.70%	(30)	Y	Settled	5.78%	40.70%	3.95%	
Colorado	Public Service Co. of CO	XEL	21AL-0317E	10.00%	3/16/2022	V	9.30%	(70)	Y	Settled	6.82%	55.69%	5.18%	
New York	Orange & Rockland Utts Inc.	ED	21-E-0074	9.50%	4/14/2022	D	9.20%	(30)		Settled	6.77%	48.00%	4.42%	
New Hampshire	Unitil Energy Systems Inc.	UTL	DE-21-030	10.00%	5/12/2022	D	9.20%	(80)		Settled	7.42%	52.00%	4.78%	
Oregon	Portland General Electric Co.	POR	UE-394	9.50%	4/25/2022	V	9.50%	-	Y	Settled	6.81%	50.00%	4.75%	
Arkansas	Southwestern Electric Power Co	AEP	21-070-U	10.35%	5/23/2022	V	9.50%	(85)	Y	Fully Litigated	N/A	44.54%	4.23%	
Vermont	Green Mountain Power Corp.		22-0175-TF	8.57%	8/31/2022	V	8.57%	-		NA	6.30%	49.98%	4.28%	
Oklahoma	Oklahoma Gas and Electric Co.	OGE	PUD202100164	10.20%	9/8/2022	V	9.50%	(70)	Y	Settled	N/A	53.37%	5.07%	
Texas	El Paso Electric Co.		52195	10.30%	9/15/2022	V	9.35%	(95)		Settled	7.50%	51.00%	4.77%	
Tennessee	Kingsport Power Company	AEP	21-00107	10.20%	10/25/2022	V	9.50%	(70)	Y	Settled	6.02%	48.90%	4.65%	
Illinois	Commonwealth Edison Co.	EXC	22-0302	7.85%	11/17/2022	D	7.85%	-		Fully Litigated	5.94%	49.45%	3.88%	
Michigan	DTE Electric Co.	DTE	U-20836	10.25%	11/18/2022	V	9.90%	(35)		Fully Litigated	5.42%	39.62%	3.92%	
Massachusetts	NSTAR Electric Co.	ES	DPU 22-22	10.50%	11/30/2022	D	9.80%	(70)		Fully Litigated	7.06%	53.21%	5.21%	
Wisconsin	Wisconsin Electric Power Co.	WEC	5-UR-110	10.00%	12/1/2022	V	9.80%	(20)		Fully Litigated	N/A	53.00%	5.19%	
Wisconsin	Wisconsin Public Service Corp.	WEC	6690-UR-127	10.00%	12/1/2022	V	9.80%	(20)		Fully Litigated	N/A	53.00%	5.19%	

Reported Authorized Returns on Equity, Electric Utility Rate Cases Completed, 2019 to Present

State	Utility	Parent Company Ticker	Docket	Requested ROE	Order Date	Vertically Integrated (V) /	Approved ROE	Difference	Applicant's Electric Proxy Group (Y/N)	ROE Fully Litigated or Settled	Approved WACC	Approved Equity Ratio	Equity Contribution	
						Distribution Only (D)								
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	
								(8) - (5)						(8) X (13)
Maryland	Delmarva Power & Light Co.	EXC	9681	10.25%	12/14/2022	D	9.60%	(65)		Settled	6.62%	50.50%	4.85%	
Ohio	Duke Energy Ohio Inc.	DUK	21-0887-EL-AIR	10.30%	12/14/2022	D	9.50%	(80)		Settled	6.86%	50.50%	4.80%	
Ohio	The Dayton Power & Light Company	AES	20-1651-EL-AIR	10.50%	12/14/2022	D	10.00%	(50)		Fully Litigated	7.43%	53.87%	5.39%	
California	Pacific Gas & Electric Co.	PCG	A22-04-008	11.00%	12/15/2022	V	10.00%	(100)		Fully Litigated	7.27%	52.00%	5.20%	
California	San Diego Gas & Electric Co.	SRE	A22-04-012	10.55%	12/15/2022	V	9.95%	(60)		Fully Litigated	7.18%	52.00%	5.17%	
California	Southern California Edison Co.	EIX	A22-04-009	10.53%	12/15/2022	V	10.05%	(48)	Y	Fully Litigated	7.44%	52.00%	5.23%	
Oregon	PacifiCorp	BRK.A	UE 399	9.80%	12/16/2022	V	9.50%	(30)		Settled	7.11%	50.00%	4.75%	
Georgia	Georgia Power Co.	SO	44280	11.00%	12/20/2022	V	10.50%	(50)	Y	Settled	N/A	56.00%	5.88%	
Washington	Puget Sound Energy Inc.		UE-220066	9.90%	12/22/2022	V	9.40%	(50)		Settled	7.16%	49.00%	4.61%	
Wisconsin	Wisconsin Public Service Corp.	WEC	6690-UR-127	10.00%	12/22/2022	V	9.80%	(20)		Fully Litigated	7.17%	53.40%	5.23%	
Michigan	Consumers Energy Co.	CMS	U-21224	10.25%	1/19/2023	V	9.90%	(35)		Settled	N/A	N/A	N/A	
Minnesota	Minnesota Power Enterprises Inc.	ALE	E-015/GR-21-335	10.25%	1/23/2023	V	9.65%	(60)	Y	Fully Litigated	7.12%	52.50%	5.07%	
Wyoming	Cheyenne Light Fuel Power Co.	BKH	20003-214-ER-22	10.30%	1/26/2023	V	9.75%	(55)		Settled	7.48%	52.00%	5.07%	
South Carolina	Duke Energy Progress LLC	DUK	2022-254-E	10.20%	2/9/2023	V	9.60%	(60)		Settled	6.83%	52.43%	5.03%	
Louisiana	Southwestern Electric Power Co	AEP	U-35441	10.35%	2/17/2023	V	9.50%	(85)	Y	Settled	N/A	N/A	N/A	
Entire Period														
# of Decisions				141										
Average	(All Utilities)			10.10%			9.48%	(62)			6.87%	50.16%	4.74%	
Average	(Distribution Only)			9.74%			9.16%	(58)			6.82%	49.67%	4.54%	
Average	(Vertically Integrated Only)			10.25%			9.61%	(63)			6.89%	50.38%	4.84%	
Median	(All Utilities)			10.20%			9.50%				7.02%	50.61%	4.80%	
Maximum	(All Utilities)			12.38%			10.60%				7.99%	57.02%	5.88%	
Minimum	(All Utilities)			7.36%			7.36%				4.93%	33.71%	3.19%	
Kentucky				10.11%	6		9.48%	(63)			6.30%	45.74%	4.24%	
Applicant Proxy Group				10.18%			9.56%	(62)			6.84%	50.37%	4.82%	
Settled				10.18%			9.55%	(64)			6.95%	50.42%	4.80%	
Fully Litigated				10.02%			9.41%	(61)			6.78%	49.87%	4.69%	
2019														
# of Decisions				33										
Average	(All Utilities)			10.43%			9.64%	(79)			7.02%	50.33%	4.85%	
Average	(Distribution Only)			9.95%			9.37%	(58)			7.05%	50.38%	4.70%	
Average	(Distribution Only, exc. IL FRP)			10.29%			9.53%	(77)			7.19%	50.94%	4.84%	
Average	(Vertically Integrated Only)			10.59%			9.73%	(86)			7.01%	50.32%	4.90%	

Reported Authorized Returns on Equity, Electric Utility Rate Cases Completed, 2019 to Present

State	Utility	Parent Company Ticker	Docket	Requested ROE	Order Date	Vertically Integrated (V) / Distribution Only (D)	Approved ROE	Difference	Applicant's Electric Proxy Group (Y/N)	ROE Fully Litigated or Settled	Approved WACC	Approved Equity Ratio	Equity Contribution	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	
								(8) - (5)						(8) X (13)
2020														
# of Decisions				42										
Average	(All Utilities)			10.00%			9.39%	(62)			6.82%	49.77%	4.67%	
Average	(Distribution Only)			9.83%			9.10%	(73)			6.79%	49.22%	4.48%	
Average	(Distribution Only, exc. IL FRP)			10.07%			9.21%	(86)			6.86%	49.24%	4.54%	
Average	(Vertically Integrated Only)			10.10%			9.55%	(56)			6.84%	50.12%	4.78%	
2021														
# of Decisions				34										
Average	(All Utilities)			9.93%			9.38%	(55)			6.81%	49.93%	4.64%	
Average	(Distribution Only)			9.39%			8.99%	(41)			6.71%	48.97%	4.36%	
Average	(Distribution Only, exc. IL FRP)			9.90%			9.39%	(51)			6.94%	48.72%	4.56%	
Average	(Vertically Integrated Only)			10.15%			9.54%	(60)			6.87%	50.38%	4.78%	
2022														
# of Decisions				27										
Average	(All Utilities)			10.03%			9.52%	(51)			6.78%	50.54%	4.82%	
Average	(Distribution Only)			9.80%			9.27%	(53)			6.77%	50.69%	4.71%	
Average	(Distribution Only, exc. IL FRP)			10.08%			9.47%	(61)			6.89%	50.87%	4.82%	
Average	(Vertically Integrated Only)			10.13%			9.63%	(50)			6.79%	50.47%	4.86%	
2023														
# of Decisions				5										
Average	(All Utilities)			10.27%			9.68%	(59)			7.14%	52.31%	5.06%	
Average	(Distribution Only)			None			None	-			None	None	None	
Average	(Distribution Only, exc. IL FRP)			None			None	-			None	None	None	
Average	(Vertically Integrated Only)			10.27%			9.68%	(59)			7.14%	52.31%	5.06%	

Source: S&P Global Market Intelligence
Last Updated: 3/7/2023
Ω Utility did not file a full rate case, approved ROE based on a settlement
¥ Weighted to include ratemaking-principles rate base and ROE
μ S&P incorrectly reports this value as 9.6%
Excludes California Dockets A21-08-013, A21-08-014, and A21-08-015, which reaffirmed previous Commission orders on ROE and were not new approved ROEs.

COMMONWEALTH OF KENTUCKY

BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

**ELECTRONIC APPLICATION OF DUKE ENERGY)
KENTUCKY, INC. FOR (1) AN ADJUSTMENT OF)
ELECTRIC RATES; (2) APPROVAL OF NEW) CASE NO. 2022-00372
TARIFFS; (3) APPROVAL OF ACCOUNTING)
PRACTICES TO ESTABLISH REGULATORY ASSETS)
AND LIABILITIES; AND (4) ALL OTHER REQUIRED)
APPROVALS AND RELIEF)**

EXHIBIT SWC-4 (CORRECTED) OF

STEVE W. CHRISS

ON BEHALF OF

WALMART INC.

Revenue Requirement Impact of DEK's Proposed ROE Versus Approved ROEs for Vertically Integrated Utilities, 2019- Present, Forecasted Period

Line No.	Source	Description	Percent	Rate	Amount
1	Schedule J-1, page 2	Short-Term Debt	3.78%	4.74%	0.18%
2	Schedule J-1, page 2	Long-Term Debt	43.71%	4.38%	1.91%
3	Exhibit SWC-3	Common Stock Equity, Vertically Integrated	52.51%	9.61%	5.05%
4	Sum Line 1 to Line 3	Total			7.14%
5	Schedule A	Rate Base		\$	1,176,674,865
6	Line 4 x Line 5	Required Operating Income, Vertically Integrated		\$	84,020,883
7	Schedule A	Required Operating Income, Proposed		\$	88,556,550
8	Line 7 - Line 6	Difference in Operating Income		\$	4,535,667
9	Schedule A	Gross Revenue Conversion Factor			1.3342
10	Line 8 x Line 9	Difference from Proposed Revenue Requirement		\$	6,051,661
11	Schedule A	Proposed Gross Revenue Requirement Increase		\$	75,176,777
12	Line 10 / Line 11	Percentage of Proposed Revenue Requirement			8.0%

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APPROVALS AND RELIEF)**

EXHIBIT SWC-5 OF

STEVE W. CHRISS

ON BEHALF OF

WALMART INC.

Calculation of Rate of Return Indexes, DEK Cost of Service Results, 12 CP Methodology

Rate Class (1)	Present Rate of Return (2)	Rate of Return Index (3)
Rate RS	0.1139%	0.04
Rate DS	5.9582%	2.18
Rate GS-FL	13.3164%	4.88
Rate EH	1.4122%	0.52
Rate SP	14.7864%	5.42
Rate DT - Secondary	4.2279%	1.55
Rate DT - Primary	3.5728%	1.31
Rate DP	8.1389%	2.98
Rate TT	7.6780%	2.81
Lighting	0.0244%	0.01
Other - Water Pumping	2652.8199%	971.91
Total	2.7295%	1.00

Source: Exhibit JEZ-2