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**SOAH DOCKET NO. 473-19-3864
PUC DOCKET NO. 49421**

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APPLICATION OF CENTERPOINT)	BEFORE THE STATE OFFICE
ENERGY HOUSTON ELECTRIC, LLC)	OF
FOR AUTHORITY TO CHANGE RATES)	ADMINISTRATIVE HEARINGS

DIRECT TESTIMONY AND EXHIBITS OF

STEVE W. CHRISS

ON BEHALF OF

WALMART INC.

JUNE 6, 2019

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Exhibits

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2016 to Present

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Distribution-Only Utilities

1 **Introduction**

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

3 A. My name is Steve W. Chriss. My business address is 2001 SE 10th St., Bentonville,
4 AR 72716-0550. I am employed by Walmart Inc. as Director, Energy Services.

5 **Q. ON WHOSE BEHALF ARE YOU TESTIFYING IN THIS DOCKET?**

6 A. I am testifying on behalf of Walmart Inc. ("Walmart").

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

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

1 **Q. HAVE YOU PREVIOUSLY SUBMITTED TESTIMONY BEFORE THE PUBLIC UTILITY**
2 **COMMISSION OF TEXAS (“COMMISSION”)?**

3 A. Yes. I testified in Docket Nos. 37744, 39896, 38951, 40443, 43695, 44941, 46449,
4 46471, and 46831.

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

7 A. Yes. I have submitted testimony in over 190 proceedings before 39 other utility
8 regulatory commissions. I have also submitted testimony before several Missouri and
9 Kansas House and Senate Committees. My testimony has addressed topics including,
10 but not limited to, cost of service and rate design, return on equity (“ROE”), revenue
11 requirements, ratemaking policy, large customer renewable programs, qualifying
12 facility rates, telecommunications deregulation, resource certification, energy
13 efficiency/demand side management, fuel cost adjustment mechanisms, decoupling,
14 and the collection of cash earnings on construction work in progress.

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

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

17 **Q. PLEASE BRIEFLY DESCRIBE WALMART’S OPERATIONS IN TEXAS.**

18 A. As shown on Walmart’s website, Walmart operates 591 retail units and employs over
19 160,000 associates in Texas. In fiscal year ending 2018, Walmart purchased \$48.5
20 billion worth of goods and services from Texas-based suppliers, supporting over

1 267,000 supplier jobs.¹

2 **Q. PLEASE BRIEFLY DESCRIBE WALMART’S OPERATIONS WITHIN THE TERRITORY OF**
3 **CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC (“CEHE” OR “THE COMPANY”).**

4 A. Walmart is a large customer of CEHE, with 86 stores, seven distribution centers, and
5 related facilities that take electric service from the Company on the Secondary > 10
6 kVa rate schedule.

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 respond to CEHE’s rate case filing and to provide
11 recommendations to assist the Commission in its thorough and careful consideration
12 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 in examining the

¹ <http://corporate.walmart.com/our-story/locations/united-states#/united-states/texas>

1 requested revenue requirement and ROE, in addition to all other facets of this case,
2 to ensure that any increase in the Company's rates is the minimum amount necessary
3 to provide safe, adequate, and reliable service, while also providing CEHE 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 RECOMMENDATIONS 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 when
10 viewed in light of:

- 11 a. The customer impact of the resulting revenue requirement increases;
- 12 b. Recent rate case ROEs approved by the Commission; and
- 13 c. Recent rate case ROEs approved by other commissions nationwide.

14 2) Walmart does not take a position on the Company's proposed cost of service model
15 at this time. However, to the extent that alternative cost of service models or
16 modifications to the Company's models are proposed by other parties, Walmart
17 reserves the right to address any such proposals.

18 3) Walmart does not oppose the Company's proposed revenue allocation.

19 **Q. DOES THE FACT THAT YOU MAY NOT ADDRESS AN ISSUE OR POSITION ADVOCATED**
20 **BY THE COMPANY INDICATE WALMART'S SUPPORT?**

21 A. No. The fact that an issue is not addressed herein or in related filings should not be

1 construed as an endorsement of, agreement with, or consent to any filed position.

2
3 **Revenue Requirement and Cost of Capital**

4 **Q. WHAT IS YOUR UNDERSTANDING OF THE COMPANY'S PROPOSED REVENUE**
5 **REQUIREMENT INCREASE IN THIS DOCKET?**

6 A. My understanding is that the Company proposes a base rate revenue requirement
7 increase of approximately \$194.2 million for the test year ending December 31, 2018,
8 and a new rider, Rider UEDIT – Unprotected Excess Deferred Income Tax, to decrease
9 revenue by approximately \$39.6 million for tax benefits for a net increase of
10 approximately \$149 million. See Direct Testimony of Matthew A. Troxle, page 26,
11 Figure 1 (as revised by Errata 1).

12 **Q. ARE THE RATE REDUCTION IMPACTS OF THE TAX CUTS AND JOBS ACT OF 2017**
13 **("TCJA") RELEVANT TO THE COMMISSION'S CONSIDERATION OF THE MERITS OF THE**
14 **OTHER COMPONENTS OF THE COMPANY'S PROPOSED REVENUE REQUIREMENT**
15 **INCREASE?**

16 A. No. While reductions in revenue requirement resulting from the TCJA are beneficial
17 to customers and result in reduced revenue requirement, the Commission should not
18 use this reduction to modify its consideration of the merits of other components of
19 the Company's proposed revenue requirement increase. Tax liabilities are essentially
20 pass-through items and the reduced liabilities should accrue to the benefit of
21 customers regardless of the impact resulting from other issues in this case. Changes

1 in the non-tax based portion of the Company's costs recovered through base rates
2 should not be deemed any more or less reasonable due to contemporaneous changes
3 in the federal income tax rates applicable to the Company's earnings.

4 **Q. WHAT IS YOUR UNDERSTANDING OF THE COMPANY'S PROPOSED ROE AND**
5 **WEIGHTED AVERAGE COST OF CAPITAL IN THIS DOCKET?**

6 A. My understanding is that the Company proposes an ROE of 10.4 based on the range
7 of 10.0 percent to 10.75 percent. See Direct Testimony of Robert B. Hevert, page 3,
8 line 19 to line 22. The Company proposes a cost of debt of 4.38 percent and a capital
9 structure of 50 percent equity and 50 percent debt, for a proposed overall weighted
10 average cost of capital of 7.39 percent. See Direct Testimony of Robert B. McRae,
11 page 4, line 6 to line 17.

12 **Q. IS WALMART CONCERNED ABOUT THE REASONABLENESS OF THE COMPANY'S**
13 **PROPOSED ROE?**

14 A. Yes, especially when viewed in light of:

- 15 1) The customer impact of the resulting revenue requirement increases;
16 2) Recent rate case ROEs approved by the Commission; and
17 3) Recent rate case ROEs approved by other commissions nationwide.

18
19 ***Customer Impact***

20 **Q. WHAT IS YOUR UNDERSTANDING OF THE COMPANY'S CURRENTLY APPROVED ROE?**

21 A. My understanding is that the Company's current approved ROE is 10.0 percent. See

Docket No. 38339, Order, May 12, 2011, page 4.

Q. WHAT IS YOUR UNDERSTANDING OF THE COMPANY'S CURRENT APPROVED EQUITY RATIO?

A. My understanding is that the Company's current approved equity ratio is 45.5 percent. *Id.*, page 20.

Q. HAVE YOU CALCULATED AN ESTIMATE OF THE IMPACT OF THE RETURN ON RATE BASE FROM THE COMPANY'S PROPOSED INCREASE IN ROE FROM 10.0 PERCENT AND INCREASE IN EQUITY RATIO FROM 45.5 PERCENT?

A. Yes. Holding rate base constant and using the Company's proposed cost of debt, the impact of the proposed changes in authorized ROE and equity ratio is an increase in return on rate base of approximately \$29 million, or a 6.5 percent increase in return on rate base. *See Exhibit SWC-2.*

Recent ROEs Approved by the Commission

Q. IS THE COMPANY'S PROPOSED ROE SIGNIFICANTLY HIGHER THAN THE ROES APPROVED BY THE COMMISSION IN 2016, 2017, 2018 AND SO FAR IN 2019?

A. Yes. During 2016, 2017, 2018, and so far in 2019, the Commission has issued orders with stated ROEs in four dockets, and the average of the ROEs approved is 9.68 percent. *See Exhibit SWC-3.*

Q. IN WHICH DOCKETS DID THE COMMISSION ISSUE ORDERS WITH STATED ROES?

A. The Commission issued orders with stated ROEs in the following dockets:

- 1 • Docket No. 45957, the Oncor Electric Delivery Co. general rate case, in which the
2 Commission approved an ROE of 9.8 percent. See Docket No. 45957, Order, October
3 13, 2017, page 7.
- 4 • Docket No. 46449, the Southwestern Electric Power Co. general rate case, in which
5 the Commission approved an ROE of 9.6 percent. See Docket No. 46449, Order,
6 January 11, 2018, page 30.
- 7 • Docket No. 46831, the El Paso Electric Co. general rate case, in which the Commission
8 approved an ROE of 9.65 percent. See Docket No. 46831, Order, December 18, 2017,
9 page 5.
- 10 • Docket No. 48401, the Texas-New Mexico Power Co. general rate case, in which the
11 Commission approved an ROE of 9.65 percent. See Docket No. 48401, Order,
12 December 20, 2018, page 6.

13 As such, the Company's proposed 10.4 percent ROE is counter to recent
14 Commission actions regarding ROE.

15

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

17 **Q. IS THE COMPANY'S PROPOSED ROE SIGNIFICANTLY HIGHER THAN THE ROES**
18 **APPROVED BY OTHER UTILITY REGULATORY COMMISSIONS IN 2016, 2017, 2018**
19 **AND SO FAR IN 2019?**

20 **A. Yes.** According to data from S&P Global Market Intelligence, a financial news and
21 reporting company, the average of the 124 reported electric utility rate case ROEs

1 authorized by commissions to investor-owned utilities in 2016, 2017, 2018 and so far
2 in 2019, is 9.6 percent. The range of reported authorized ROEs for the period is 8.4
3 percent to 11.95 percent, and the median authorized ROE is 9.6 percent. The average
4 and median values are significantly below the Company's proposed ROE of 10.4
5 percent. See Exhibit SWC-3. As such, the Company's proposed 10.4 percent ROE is
6 counter to broader electric industry trends.

7 **Q. SEVERAL OF THE REPORTED AUTHORIZED ROES ARE FOR VERTICALLY INTEGRATED**
8 **UTILITIES. WHAT IS THE AVERAGE AUTHORIZED ROE IN THE REPORTED GROUP FOR**
9 **DISTRIBUTION-ONLY UTILITIES OR FOR ONLY A UTILITY'S DISTRIBUTION SERVICE**
10 **RATES?**

11 **A.** In the group reported by S&P Global, the average ROE for distribution-only utilities
12 authorized from 2016 through present is 9.38 percent, and the trend in these
13 averages has been relatively stable from 2016 to 2018. The average ROE authorized
14 for distribution-only utilities in 2016 was 9.31 percent, in 2017 it was 9.43 percent,
15 and in 2018 it was 9.38 percent. *Id.* As such, the Company's proposed 10.4 percent
16 ROE is counter to broader electric industry trends and, in fact, as shown in Figure 1,
17 would be the highest approved ROE for a distribution-only utility from 2016 to present
18 if approved by the Commission.



Figure 1. CEHE Estimated and Proposed ROEs Versus Approved ROEs, Distribution-Only Utilities, 2016 to Present.

Q. WHAT IS THE DIFFERENCE IN RETURN ON RATE BASE BETWEEN THE COMPANY'S PROPOSED 10.4 PERCENT ROE AND 9.38 PERCENT, WHICH IS THE AVERAGE AUTHORIZED ROE FOR DISTRIBUTION-ONLY UTILITIES FROM 2016 TO PRESENT?

A. The difference in return on rate base for this difference in ROE is a difference in return on rate base of approximately \$32 million. See Exhibit SWC-4.

Q. IS WALMART RECOMMENDING THAT THE COMMISSION BE BOUND BY ROES AUTHORIZED BY OTHER STATE REGULATORY AGENCIES?

A. No. Decisions of other state regulatory commissions are not binding on the

Commission. Additionally, each commission considers the specific circumstances in each case in its determination of the proper ROE and capital structure. Walmart is providing this information to illustrate a national customer perspective on industry trends. In addition to using recent authorized ROEs as a general gauge of reasonableness for the various cost of equity analyses presented in this case, the Commission should consider how its authorized ROE impacts existing and prospective customers relative to other jurisdictions.

Conclusion

Q. WHAT IS YOUR RECOMMENDATION TO THE COMMISSION IN REGARD TO THE COMPANY'S PROPOSED ROE?

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

- 1) The customer impact of the resulting revenue requirement increases;
- 2) Recent rate case ROEs approved by the Commission; and
- 3) Recent rate case ROEs approved by other commissions nationwide.

Cost of Service and Revenue Allocation

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

1 A. Walmart advocates that rates be set based on the utility's cost of service for each rate
2 class. This produces equitable rates that reflect cost causation, send proper price
3 signals, and minimize price distortions.

4 **Q. DOES WALMART TAKE A POSITION ON THE COMPANY'S PROPOSED COST OF**
5 **SERVICE MODEL AT THIS TIME?**

6 A. No. However, to the extent that alternative cost of service models or modifications
7 to the Company's model are proposed by other parties, Walmart reserves the right to
8 address any such proposals.

9 **Q. HOW DOES THE COMPANY REPRESENT WHETHER RATES FOR A CUSTOMER CLASS**
10 **ACCURATELY REFLECT THE UNDERLYING COST CAUSATION?**

11 A. The Company reflects this relationship in their cost of service results through the use
12 of class-specific rates of return. These rates of return can be converted to a relative
13 rate of return ("RROR"), which is an indexed measure of the relationship of the rate
14 of return for an individual customer class to the total system rate of return. An RROR
15 greater than 1.0 means that the customer class is paying rates in excess of costs
16 incurred to serve that class, and an RROR less than 1.0 means that the customer class
17 is paying rates less than the costs incurred to serve that class. As such, those rate
18 classes with an RROR greater than 1.0 are subsidizing the classes with an RROR less
19 than 1.0.

20 **Q. DID THE COMPANY CALCULATE CLASS RRORs BASED ON ITS COST OF SERVICE**
21 **RESULTS?**

1 A. Yes, as shown in Table 1 below:

Table 1. Class Rates of Return and RRORs, Current Rates, CEHE Proposed Cost of Service Study Results.

Customer Class	Rate of Return (%)	RROR
Residential	4.84	1.08
Secondary < 10 kVa	8.28	1.82
Secondary > 10 kVa	3.63	0.80
Primary Voltage	5.32	1.17
Transmission Voltage	2.78	0.61
Lighting SLS	8.11	1.78
Lighting MLS	11.85	2.60
Jurisdiction	4.56	1.00
Source: Exhibit MAT-3.		

2
3 **Q. WHAT IS YOUR UNDERSTANDING OF THE COMPANY'S REVENUE ALLOCATION**
4 **PROPOSAL?**

5 A. My understanding is that the Company proposes to allocate the increase based on the
6 cost of service study results to ensure that interclass subsidies are eliminated. See
7 Direct Testimony of Matthew A. Troxle, page 28, line 15 to line 18.

8 **Q. WHAT IS WALMART'S REVENUE ALLOCATION RECOMMENDATION TO THE**
9 **COMMISSION?**

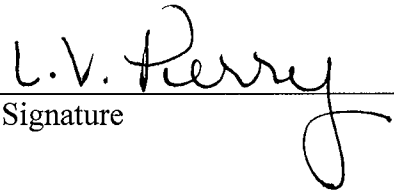
10 A. Walmart does not oppose the Company's proposed revenue allocation.

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

12 A. Yes.

CERTIFICATE OF SERVICE

I hereby certify that a copy of the foregoing **Direct Testimony and Exhibits of Steve W. Chriss on Behalf of Walmart Inc.** was served on all parties of record in this proceeding on the 6th day of June 2019, by electronic mail, hand delivery, facsimile, and/or United States mail.



Signature

Steve W. Chriss

Walmart Inc.

Business Address: 2001 SE 10th Street, Bentonville, AR, 72716-0550

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

MEMBERSHIPS

Edison Electric Institute National Key Accounts Program, Customer Advisory Group

Renewable Energy Buyers Alliance, Advisory Board

TESTIMONY BEFORE REGULATORY COMMISSIONS

2019

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.

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. 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.

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-El: 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.

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

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

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

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.

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.

Impact of CEHE Proposed Increases in Return on Equity and Equity Ratio

Line No.		Ratio	Cost Rate	Weighted Cost Rate
1	Long Term Debt	54.50%	4.38%	2.39%
2	Common Equity	45.50%	10.00%	4.55%
3	WACC With Last Approved ROE	100%		6.94%
4	Rate Base			\$ 6,415,235,000
5	3 x 4 Return on Rate Base, Last Approved			\$ 445,017,282
6	Long Term Debt	50.00%	4.38%	2.19%
7	Common Equity	50.00%	10.40%	5.20%
8	Proposed WACC	100%		7.39%
9	Rate Base			\$ 6,415,235,000
10	8 x 9 Proposed Return on Rate Base			\$ 474,073,036
11	10 - 5 Difference in Return on Rate Base			\$ 29,055,754
12	11 / 5 Increase in Return on Rate Base			6.5%

Sources:
Exhibit KLC-07
Schedule II-C-1.1

Reported Authorized Returns on Equity, Electric Utility Rate Cases Completed, 2016 to Present

State	Utility	Docket	Decision Date	Vertically Integrated (V)/Distribution (D)	Return on Equity (%)
Washington	Avista Corp.	UE-150204	1/6/2016	V	9.50%
Arkansas	Entergy Arkansas Inc.	15-015-U	2/13/2016	V	9.75%
Indiana	Indianapolis Power & Light Co.	44576	3/16/2016	V	9.85%
Massachusetts	Fitchburg Gas & Electric Light	15-80	4/29/2016	D	9.80%
Maryland	Baltimore Gas and Electric Co.	9406	6/3/2016	D	9.75%
New Mexico	El Paso Electric Co.	15-00127-UT	6/8/2016	V	9.48%
New York	NY State Electric & Gas Corp.	15-E-0283	6/15/2016	D	9.00%
New York	Rochester Gas & Electric Corp.	15-E-0285	6/15/2016	D	9.00%
Indiana	Northern Indiana Public Service Co.	44688	7/18/2016	V	9.98%
Tennessee	Kingsport Power Company	16-00001	8/9/2016	V	9.85%
Arizona	UNS Electric Inc.	E-04204A-15-0142	8/18/2016	V	9.50%
New Jersey	Atlantic City Electric Co.	ER-16030252	8/24/2016	D	9.75%
Washington	PacifiCorp	UE-152253	9/1/2016	V	9.50%
Michigan	Upper Peninsula Power Co.	U-17895	9/8/2016	V	10.00%
New Mexico	Public Service Co. of NM	15-00127-UT	9/28/2016	V	9.58%
Massachusetts	Massachusetts Electric Co.	15-155	9/30/2016	D	9.90%
Wisconsin	Madison Gas and Electric Co.	3270-UR-121	11/9/2016	V	9.80%
Oklahoma	Public Service Company of OK	PUD 201500208	11/10/2016	V	9.50%
Maryland	Potomac Electric Power Co.	9418	11/15/2016	D	9.55%
Wisconsin	Wisconsin Power and Light Co	6680-UR-120	11/18/2016	V	10.00%
Florida	Florida Power & Light Co.	160021-EI	11/29/2016	V	10.55%
California	Liberty Utilities CalPeco	A15-05-008	12/1/2016	V	10.00%
Illinois	Ameren Illinois	16-0262	12/6/2016	D	8.64%
Illinois	Commonwealth Edison Co.	16-0259	12/6/2016	D	8.64%
South Carolina	Duke Energy Progress Inc.	2016-227-E	12/7/2016	V	10.10%
New Jersey	Jersey Central Power & Light Co.	ER-16040383	12/12/2016	D	9.60%
Connecticut	United Illuminating Co.	16-06-04	12/14/2016	D	9.10%
Colorado	Black Hills Colorado Electric	16AL-0326E	12/19/2016	V	9.37%
Maine	Emera Maine	2015-00360	12/19/2016	D	9.00%
North Carolina	Virginia Electric & Power Co.	E-22 Sub 532	12/22/2016	V	9.90%
Nevada	Sierra Pacific Power Co.	16-06006	12/22/2016	V	9.60%
Idaho	Avista Corp.	AVU-E-16-03	12/28/2016	V	9.50%
Wyoming	MDU Resources Group Inc.	2004-117-ER-16	1/18/2017	V	9.45%
New York	Consolidated Edison Co. of NY	16-E-0060	1/24/2017	D	9.00%
Michigan	DTE Electric Co.	U-18014	1/31/2017	V	10.10%
Maryland	Delmarva Power & Light Co.	9424	2/15/2017	D	9.60%
New Jersey	Rockland Electric Company	ER-16050428	2/22/2017	D	9.60%
Arizona	Tucson Electric Power Co.	E-01933A-15-0322	2/24/2017	V	9.75%
Michigan	Consumers Energy Co.	U-17990	2/28/2017	V	10.10%
Minnesota	Otter Tail Power Co.	E-017/GR-15-1033	3/2/2017	V	9.41%
Oklahoma	Oklahoma Gas & Electric Co.	PUD 201500273	3/20/2017	V	9.50%
Florida	Gulf Power Co.	160186-EI	4/4/2017	V	10.25%
New Hampshire	Liberty Utilities Granite St	DE-16-383	4/12/2017	D	9.40%
New Hampshire	Unitil Energy Systems Inc.	DE-16-384	4/20/2017	D	9.50%
Missouri	Kansas City Power & Light	ER-2016-0285	5/3/2017	V	9.50%
Minnesota	Northern States Power Co.	E-022/GR-15-826	5/11/2017	V	9.20%
Arkansas	Oklahoma Gas & Electric Co.	16-052-U	5/18/2017	V	9.50%
Delaware	Delmarva Power & Light Co.	16-0649	5/23/2017	D	9.70%
North Dakota	MDU Resources Group Inc.	PU-16-666	6/16/2017	V	9.65%
Kentucky	Kentucky Utilities Co.	2016-00370	6/22/2017	V	9.70%
Kentucky	Louisville Gas & Electric Co.	2016-00371	6/22/2017	V	9.70%
District of Columbia	Potomac Electric Power Co.	FC-1139	7/24/2017	D	9.50%
Arizona	Arizona Public Service Co.	E-01345A-16-0036	8/15/2017	V	10.00%

Reported Authorized Returns on Equity, Electric Utility Rate Cases Completed, 2016 to Present

State	Utility	Docket	Decision Date	Vertically Integrated (V)/Distribution (D)	Return on Equity (%)
New Jersey	Atlantic City Electric Co.	ER-17030308	9/22/2017	D	9.60%
Texas	Oncor Electric Delivery Co.	45957	9/28/2017	D	9.80%
Maryland	Potomac Electric Power Co.	9443	10/20/2017	D	9.50%
California	Pacific Gas & Electric Co.	Advice No. 5148-E	10/26/2017	V	10.25%
California	San Diego Gas & Electric Co.	Advice No. 3120-E	10/26/2017	V	10.20%
California	Southern California Edison Co.	Advice No. 3665-E	10/26/2017	V	10.30%
Florida	Tampa Electric Co.	20170210-EI	11/6/2017	V	10.25%
Alaska	Alaska Electric Light Power	U-16-086	11/15/2017	V	11.95%
Massachusetts	NSTAR Electric Co.	17-05	11/30/2017	D	10.00%
Massachusetts	Western Massachusetts Electric	17-05	11/30/2017	D	10.00%
Washington	Puget Sound Energy Inc.	UE-170033	12/5/2017	V	9.50%
Illinois	Ameren Illinois	17-0197	12/6/2017	D	8.40%
Illinois	Commonwealth Edison Co.	17-0196	12/6/2017	D	8.40%
Wisconsin	Northern States Power Co. - WI	4220-UR-123	12/7/2017	V	9.80%
Texas	El Paso Electric Co.	46831	12/14/2017	V	9.65%
Texas	Southwestern Electric Power Co.	46449	12/14/2017	V	9.60%
Oregon	Portland General Electric Co.	UE 319	12/18/2017	V	9.50%
New Mexico	Public Service Co. of NM	16-00276-UT	12/20/2017	V	9.58%
Idaho	Avista Corp.	AVU-E-17-01	12/28/2017	V	9.50%
Nevada	Nevada Power Co.	17-06003	12/29/2017	V	9.40%
Vermont	Green Mountain Power Corp	17-3112-INV	12/21/2017	V	9.10%
Kentucky	Kentucky Power Co.	2017-00179	1/18/2018	V	9.70%
Oklahoma	Public Service Co. of OK	PUD 201700151	1/31/2018	V	9.30%
Iowa	Interstate Power & Light Co.	RPU-2017-0001	2/2/2018	V	9.98%
North Carolina	Duke Energy Progress Inc.	E-2, Sub 1142	2/23/2018	V	9.90%
Minnesota	ALLETE (Minnesota Power)	E-015/GR-16-664	3/12/2018	V	9.25%
New York	Niagara Mohawk Power Corp.	17-E-0238	3/15/2018	D	9.00%
Michigan	Consumers Energy Co.	U-18322	3/29/2018	V	10.00%
Connecticut	Connecticut Light and Power	17-10-46	4/18/2018	D	9.25%
Michigan	DTE Electric Co.	U-18255	4/18/2018	V	10.00%
Washington	Avista Corp.	UE-170485	4/26/2018	V	9.50%
Indiana	Indiana Michigan Power Co.	44967	5/30/2018	V	9.95%
Maryland	Potomac Electric Power Co.	9472	5/31/2018	D	9.50%
New York	Central Hudson Gas & Electric	17-E-0459	6/14/2018	D	8.80%
North Carolina	Duke Energy Carolinas LLC	E-7, Sub 1146	6/22/2018	V	9.90%
Maine	Emera Maine	2017-00198	6/28/2018	D	9.35%
Hawaii	Hawaii Electric Light Co	2015-0170	6/29/2018	V	9.50%
District of Columbia	Potomac Electric Power Co.	FC-1150	8/8/2018	D	9.53%
Delaware	Delmarva Power & Light Co.	17-0977	8/21/2018	D	9.70%
Rhode Island	Narragansett Electric Co.	4770 (electric)	8/24/2018	D	9.28%
New Mexico	Southwestern Public Service Co	17-00255-UT	9/5/2018	V	9.10%
Wisconsin	Wisconsin Power and Light Co	6680-UR-121 (Elec)	9/14/2018	V	10.00%
Wisconsin	Madison Gas and Electric Co.	3270-UR-122 (Elec)	9/20/2018	V	9.80%
North Dakota	Otter Tail Power Co.	PU-17-398	9/26/2018	V	9.77%
Ohio	Dayton Power and Light Co.	15-1830-EL-AIR	9/26/2018	D	9.999% *
Kansas	Westar Energy Inc.	18-WSEE-328-RTS	9/27/2018	V	9.30%
Pennsylvania	UGI Utilities Inc.	R-2017-2640058	10/4/2018	D	9.85%
New Jersey	Public Service Electric Gas	ER18010029	10/29/2018	D	9.60%
Indiana	Indianapolis Power & Light Co.	45029	10/31/2018	V	9.99%
Illinois	Ameren Illinois	18-0807	11/1/2018	D	8.69%
Illinois	Commonwealth Edison Co.	18-0808	12/4/2018	D	8.69%
Kansas	Kansas City Power & Light	18-KCPE-480-RTS	12/13/2018	V	9.30%

Reported Authorized Returns on Equity, Electric Utility Rate Cases Completed, 2016 to Present

State	Utility	Docket	Decision Date	Vertically Integrated (V)/Distribution (D)	Return on Equity (%)
Oregon	Portland General Electric Co.	UE-335	12/14/2018	V	9.50%
Ohio	Duke Energy Ohio Inc.	17-0032-EL-AIR	12/19/2018	D	9.84%
Texas	Texas-New Mexico Power Co.	48401	12/20/2018	D	9.65%
Wisconsin	Madison Gas and Electric Co.	3270-UR-122 (Elec)	12/20/2018	V	9.80%
Vermont	Green Mountain Power Corp.	18-0974-TF	12/21/2018	D	9.30%
Michigan	Consumers Energy Co.	U-20134	1/9/2019	V	10.00%
West Virginia	Appalachian Power Co.	18-0646-E-42T	2/27/2019	V	9.75%
New Jersey	Atlantic City Electric Co.	ER18080925	3/13/2019	D	9.60%
New York	Orange & Rockland Utilities Inc.	18-E-0067	3/14/2019	D	9.00%
Oklahoma	Public Service Company of OK	PUD201800097	3/14/2019	V	9.40%
Maryland	Potomac Electric Power Co.	9490	3/22/2019	D	9.65%
Kentucky	Kentucky Utilities Co.	2018-00294	4/30/2019	V	9.73%
Kentucky	Louisville Gas & Electric Co.	2018-00295	4/30/2019	V	9.73%
South Carolina	Duke Energy Carolinas LLC	2018-319-E	5/1/2019	V	9.50%
Michigan	DTE Electric Co.	U-20162	5/2/2019	V	10.00%
South Carolina	Duke Energy Progress LLC	2018-318-E	5/8/2019	V	9.50%
South Dakota	Otter Tail Power Co.	EL18-021	5/14/2019	V	8.75%
Hawaii	Maui Electric Company Ltd	2017-0150	5/16/2019	V	9.50%
Michigan	Upper Peninsula Power Co.	U-20276	5/23/2019	V	9.90%

Entire Period

# of Decisions	124	
Average (All Utilities)		9.60%
Average (Distribution Only)		9.38%
Average (Vertically Integrated Only)		9.73%
Median		9.60%
Minimum		8.40%
Maximum		11.95%
Texas		9.68%

2016

# of Decisions	32	
Average (All Utilities)		9.60%
Average (Distribution Only)		9.31%
Average (Distribution Only, exc. IL FRP)		9.45%
Average (Vertically Integrated Only)		9.77%

2017

# of Decisions	42	
Average (All Utilities)		9.68%
Average (Distribution Only)		9.43%
Average (Distribution Only, exc. IL FRP)		9.61%
Average (Vertically Integrated Only)		9.80%

2018 & 2019

# of Decisions	50	
Average (All Utilities)		9.55%
Average (Distribution Only)		9.38%
Average (Distribution Only, exc. IL FRP)		9.47%
Average (Vertically Integrated Only)		9.65%

Source: S&P Global Market Intelligence, June 3, 2019

Reported Authorized Returns on Equity, Electric Utility Rate Cases Completed, 2016 to Present

State	Utility	Docket	Decision Date	Vertically Integrated (V)/Distribution (D)	Return on Equity (%)
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* Due to Rounding, the ROE Award is reported as 10.00 on the S&P Global Website.

Impact of CEHE Proposed Increases in Return on Equity and Equity Ratio

Line No.		Ratio	Cost Rate	Weighted Cost Rate
1	Long Term Debt	50.00%	4.38%	2.19%
2	Common Equity	50.00%	10.40%	5.20%
3	WACC With Last Approved ROE	100%		7.39%
4	Rate Base			\$ 6,415,235,000
5	3 x 4 Return on Rate Base, CEHE Proposed			\$ 474,073,036
6	Long Term Debt	50.00%	4.38%	2.19%
7	Common Equity	50.00%	9.38%	4.69%
8	Proposed WACC	100%		6.88%
9	Rate Base			\$ 6,415,235,000
10	8 x 9 Proposed Return on Rate Base			\$ 441,355,338
11	5 - 10 Difference in Return on Rate Base			\$ 32,717,699

Sources:
Exhibit KLC-07
Schedule II-C-1.1