

**BEFORE THE PUBLIC UTILITY COMMISSION
OF THE STATE OF OREGON**

**UE 395
Annual Update Tariff**

**PORTLAND GENERAL ELECTRIC
COMPANY**

**Joint Testimony in Support of the
PCAM**

Direct Testimony of
Heather Cohen, OPUC
William Gehrke, CUB
Bradley G. Mullins, AWEC
Stefan Cristea, PGE

November 04, 2021

Table of Contents

I. Introduction.....1

II. Discussion.....3

III. Recommendation to the Commission.....5

IV. List of Exhibits.....6

I. Introduction

1 **Q. Please state your names and positions with your respective organizations.**

2 A. My name is Heather Cohen. I am a Senior Utility Analyst for the Public Utility Commission
3 of Oregon Staff. I am employed in the Energy Rates, Finance, and Audit Division of the
4 Public Utility Commission of Oregon (OPUC). My qualifications appear in Stipulating
5 Parties Exhibit 102.

6 My name is William Gehrke. I am an economist employed by Oregon Citizens' Utility
7 Board (CUB). My qualifications appear in Stipulating Parties Exhibit 103.

8 My name is Bradley G. Mullins. I am a consultant representing utility customers before
9 state public utility commissions in the Northwest and Intermountain West. I am testifying on
10 behalf of the Alliance of Western Energy Consumers (AWEC). My qualifications appear in
11 Stipulating Parties Exhibit 104.

12 My name is Stefan Cristea. I am a Senior Regulatory Analyst at PGE. My qualifications
13 appear in PGE Exhibit 100.

14 **Q. What is the purpose of your testimony?**

15 A. Our purpose is to describe and support the stipulation (Stipulation) between OPUC Staff
16 (Staff), CUB, AWEC, and PGE, collectively the Stipulating Parties, in Docket No. UE 395.
17 A copy of the Stipulation is provided as Stipulating Parties Exhibit 101. The Stipulating
18 Parties request that the Commission issue an order approving the Stipulation and
19 implementing its terms.

20 **Q. What is the basis for the Stipulation?**

21 A. On July 1, 2021, PGE made its Annual Power Cost Variance Mechanism filing under tariff
22 Schedule 126. That filing included testimony, work papers, and the information required by

1 the minimum filing requirements previously agreed to regarding Schedule 126.
2 Following PGE’s filing in this docket, PGE shared requested information with the parties and
3 the parties examined PGE’s filing and work papers. A settlement conference was held on
4 September 10, 2021, at which, the Stipulating Parties reached an agreement that they found
5 reasonable for settlement. The Stipulation reached at the September 10th meeting concluded
6 that operation of the Schedule 126 Negative Power Cost Deadband in this docket results in
7 there being no credit to customers for the 2020 power cost variance. Some parties could have
8 raised issues regarding the calculation of the Power Cost Variance or earnings test, but did not
9 do so because such adjustments, even if adopted, would not have changed the final Schedule
10 126 rates.

II. Discussion

1 **Q. Please briefly describe PGE’s 2020 PCAM filing.**

2 A. Tariff Schedule 126 is designed to recognize in rates in some years part of the difference
3 between actual net variable power costs (as defined in the tariff) and the net variable power
4 cost forecast pursuant to tariff Schedule 125. Schedule 126 defines how the Power Cost
5 Variance is calculated, including deadbands that are applied to either a positive or negative
6 power cost variance, and sharing of the variance outside the applicable deadband. The Power
7 Cost Variance is also subject to an earnings test.

8 PGE’s filing in this docket explained how it calculated the Power Cost Variance for 2020.
9 As calculated by PGE, the variance between forecast and actual power costs in 2020 was
10 approximately (\$13.5) million. This is within the (\$15 million) Negative Annual Power Cost
11 Deadband. As such, the sharing percentages in Schedule 126 are not triggered.

12 PGE’s filing also performed the earnings review required by Schedule 126. The Schedule
13 126 return on equity (ROE) deadband is +/-100 basis points of PGE’s authorized ROE, which
14 for 2020 was 9.5%. PGE’s testimony showed that PGE’s final regulated adjusted 2020 ROE
15 was 9.65% which is within the 8.50% to 10.50% earnings deadbands. As noted above, the
16 Power Cost Variance for 2020 is within the power cost deadbands, so the variance is not
17 subject to this earnings test.

18 **Q. Did parties raise any issues with regards to PGE’s Power Cost Adjustment Mechanism
19 (PCAM) filing in this docket?**

20 A. No. Parties to this docket did not raise any issues. However, in addition to verifying the
21 accuracy of PGE’s PCAM calculations, Staff and CUB reviewed PGE’s filing at the

1 September 10, 2021 workshop/settlement conference attended by Staff, AWEC, CUB, and
2 PGE.

3 **Q. Did Parties have any recommendation regarding future PCAM filings?**

4 A. Yes. Staff recommended that PGE supplement the minimum filing requirements to include
5 additional documentation in support of the summary of differences provided by PGE in
6 Section II.C of PGE Exhibit 100.

7 **Q. Did Parties agree with Staff’s recommendation?**

8 A. Yes. Parties agreed that beginning with its initial filing for the 2021 Annual Power Cost
9 Variance Mechanism, PGE will supplement the PCAM minimum filing requirements as
10 recommended by Staff. Specifically, PGE will include a work paper that details the summary
11 of differences between actual and forecast power costs and also provides actual power costs
12 by operating units and account.

13 **Q. What is the rate impact resulting from PGE’s 2020 PCAM?**

14 A. PGE’s 2020 PCAM results in no change to rates because, as indicated above, the PCAM
15 variance was within the power cost deadbands.

III. Recommendation to the Commission

1 **Q. What is your recommendation to the Commission regarding the adjustments contained**
2 **in the Stipulation?**

3 A. Each of the Stipulating Parties, representing their respective interests, agree that the settlement
4 contained in the Stipulation results in fair, just and reasonable rates in this 2020 Annual Power
5 Cost Variance Mechanism proceeding. The result is consistent with and supported by the
6 record in this docket. For the reasons set forth above, the Stipulating Parties request that the
7 Commission approve the Stipulation.

8 **Q. Does this conclude your testimony?**

9 A. Yes.

IV. List of Exhibits

<u>Stipulating Parties Exhibit</u>	<u>Description</u>
101	Annual Power Cost Variance Mechanism Stipulation
102	Heather B. Cohen Qualification Statement
103	William Gehrke Qualification Statement
104	Bradley G. Mullins Qualification Statement

**BEFORE THE PUBLIC UTILITY COMMISSION
OF OREGON**

UE 395

In the Matter of

PORTLAND GENERAL ELECTRIC
COMPANY,

2020 Annual Power Cost Variance
Mechanism.

STIPULATION

This Stipulation (“Stipulation”) is among Portland General Electric Company (“PGE”), Staff of the Public Utility Commission of Oregon (“Staff”), the Oregon Citizens’ Utility Board (“CUB”), and the Alliance of Western Energy Consumers (AWEC), collectively, the “Parties”. There are no other parties in this docket.

I. INTRODUCTION

In accordance with its tariff Schedule 126, PGE filed its Annual Power Cost Variance Mechanism update in this docket on July 1, 2021. Included with that filing were PGE’s testimony and work papers regarding the 2020 power cost variance and earnings review results. This information included the data required by the minimum filing requirements agreed to for Power Cost Variance (PCV) dockets. PGE’s filing showed that the 2020 power cost variance was within the deadbands contained in Schedule 126, and therefore results in no power cost variance refund or collection for 2020.

The Parties subsequently reviewed PGE’s filing and work papers. The Parties held a workshop/settlement conference on September 10, 2021. As a result of those discussions, and discovery, the Parties have reached agreement settling this docket as set forth below. The Parties request that the Commission issue an order adopting this Stipulation.

II. TERMS OF STIPULATION

1. This Stipulation settles all issues in this docket.
2. PGE's actual power costs for 2020 were below forecast power costs but within the Schedule 126 power cost deadbands. This results in no rate impact to customers for the 2020 power cost variance. Some parties could have proposed adjustments to the power cost calculation or earnings review in this docket but such adjustments, if accepted, would not have altered the Schedule 126 rates. As such, the lack of issues being raised and decided in this docket is not to be construed as agreement to any or all of the aspects of the calculations done by PGE and is not precedent for future PCV dockets or any other case.
3. Schedule 126 rates should continue to be set at zero effective January 1, 2022.
4. Parties agreed that PGE will supplement the minimum filing requirements to include additional documentation in support of the summary of differences between actual net variable power costs and the forecast. As part of the documentation PGE will also include actual power costs by operating unit at the account level.
5. The Parties recommend and request that the Commission approve this Stipulation as an appropriate and reasonable resolution of the issues in this docket.
6. The Parties agree that this Stipulation is in the public interest and will result in rates that are fair, just and reasonable and will meet the standard in ORS 756.040.
7. The Parties agree that this Stipulation represents a compromise in the positions of the Parties. Without the written consent of all Parties, evidence of conduct or statements, including but not limited to term sheets or other documents created solely for use in settlement conferences in this docket, are confidential and not admissible in the instant or any subsequent proceeding, unless independently discoverable or offered for other purposes allowed under ORS 40.190.

8. The Stipulating Parties have negotiated this Stipulation as an integrated document. The Stipulating Parties, after consultation, may seek to obtain Commission approval of this Stipulation prior to evidentiary hearings. If the Commission rejects all or any material part of this Stipulation, or adds any material condition to any final order that is not consistent with this Stipulation, each Stipulating Party reserves its right: (i) pursuant to OAR 860- 001-0350(9), to present evidence and argument on the record in support of the Stipulation, including the right to cross-examine witnesses, introduce evidence as deemed appropriate to respond fully to issues presented, and raise issues that are incorporated in the settlements embodied in this Stipulation; and (ii) pursuant to ORS 756.561 and OAR 860-001-0720, to seek rehearing or reconsideration, or pursuant to ORS 756.610 to appeal the Commission's final order. The Stipulating Parties agree that in the event the Commission rejects all or any material part of this Stipulation or adds any material condition to any final order that is not consistent with this Stipulation, the Stipulating Parties will meet in good faith within ten days and discuss next steps. A Stipulating Party may withdraw from the Stipulation after this meeting by providing written notice to the Commission and other Stipulating Parties. Nothing in this paragraph provides any Stipulating Party the right to withdraw from this Stipulation as a result of the Commission's resolution of issues that this Stipulation does not resolve. This Stipulation will be offered into the record in this proceeding as evidence pursuant to OAR 860-001-0350(7). The Parties agree to support this Stipulation throughout this proceeding and in any appeal, provide witnesses to support this Stipulation (if specifically required by the Commission), and recommend that the Commission issue an order adopting the settlements contained herein. By entering into this Stipulation, no Party shall be deemed to have approved, admitted or consented to the facts, principles, methods or theories employed by any other Party in arriving at the terms of this Stipulation. Except as provided in this

Stipulation, no Party shall be deemed to have agreed that any provision of this Stipulation is appropriate for resolving issues in any other proceeding.

9. This Stipulation may be signed in any number of counterparts, each of which will be an original for all purposes, but all of which taken together will constitute one and the same agreement.

DATED this 4th day of November, 2021.

**PORTLAND GENERAL ELECTRIC
COMPANY**



**STAFF OF THE PUBLIC UTILITY
COMMISSION OF OREGON**



OREGON CITIZEN'S UTILITY BOARD

**ALLIANCE OF WESTERN ENERGY
CONSUMERS**

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DATED this _____ day of November, 2021.

**PORTLAND GENERAL ELECTRIC
COMPANY**

**STAFF OF THE PUBLIC UTILITY
COMMISSION OF OREGON**

OREGON CITIZEN'S UTILITY BOARD

Walter P. St...

**ALLIANCE OF WESTERN ENERGY
CONSUMERS**

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DATED this _____ day of November, 2021.

**PORTLAND GENERAL ELECTRIC
COMPANY**

**STAFF OF THE PUBLIC UTILITY
COMMISSION OF OREGON**

OREGON CITIZEN'S UTILITY BOARD

**ALLIANCE OF WESTERN ENERGY
CONSUMERS**

Wenne Mulovich

WITNESS QUALIFICATION STATEMENT

NAME: Heather Cohen

EMPLOYER: Public Utility Commission of Oregon

TITLE: Senior Utility Analyst
Energy Rates, Finance and Audit Division

ADDRESS: 201 High Street SE., Suite 100
Salem, OR. 97301

EDUCATION: Bachelor of Arts, Political Science
Fordham University, New York, NY

Master of Public Policy
American University, Washington, DC.

EXPERIENCE: I have been employed as a Senior Financial Analyst by the Oregon Public Utility Commission since January 2020 in the Energy, Rates and Finance Division. I currently perform a range of financial analysis duties related to natural gas, electric and water utilities, with a focus on operations and maintenance. I have worked on the following general rate and power cost dockets: UG 388, UG 389, UG 390, UE 374, UE 390, UE 391, UE 394 and UW 184.

I have ten years of professional level budget and fiscal analysis experience. I was previously employed as a Budget Analyst with the Oregon Department of Education (ODE), where I was the lead analyst for the Early Learning Division (ELD) which includes the federal \$97M Child Care Development Fund (CCDF) and \$37M Preschool Promise program. Prior to ODE, I was a Senior Financial Analyst for the state of Texas's Department of Family and Protective Services and Health and Human Services. Before that, I was a Project Manager for the University of Southern California where I directed data collection and analysis, staffing and deliverables for a \$1.2M federal grant related to the provision of mental health services in Los Angeles County. Prior to USC, I was a Senior Budget Analyst for the City of New York responsible for the \$1B expense budget of the Administration for Children's Services (ACS).

WITNESS QUALIFICATION STATEMENT

NAME: William Gehrke

EMPLOYER: Oregon Citizens' Utility Board

TITLE: Economist

ADDRESS: 610 SW Broadway, Suite 400
Portland, OR 97205

EDUCATION: MS, Applied Economics
Florida State University, Tallahassee, FL

BS, Economics
Florida State University, Tallahassee, FL

EXPERIENCE: Provided testimony for the Oregon Citizens' Utility Board in UE 335, UE 374, UG 344, UG 347, UG 366, and UG 388. Worked as an Economist for the Florida Department of Revenue. Worked as Utility Analyst at the Florida Public Service Commission, providing advice on electric rate cases. Attended the Institute of Public Utilities Annual Regulatory Studies program in 2018.

MW ANALYTICS

Energy & Utility Consulting

Brad Mullins
Principal Consultant
Vihiluoto 15
FIN-90440 Kempele, Finland
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ABOUT

MW Analytics is the professional consulting practice of Brad Mullins, a consultant and expert witness that represents utility customers in regulatory proceedings before state utility commissions throughout the Western United States. Brad has sponsored expert witness testimony in over 80 regulatory proceeding encompassing a variety of subject matters, including revenue requirement, regulatory accounting, rate development, and new resource additions. Brad has also assisted his clients through numerous informal regulatory, legislative and energy policy matters. In addition to providing regulatory services, MW Analytics also provides advisory, energy marketing and other energy consulting services.

PRACTICE AREAS

MW Analytics has experience representing customer interests in litigated and informal regulatory proceedings, including the following subject areas:

- Revenue Requirement
- Power Cost Modeling
- Tax Provisions and Tax Reform
- Capital Additions and Forecasting
- Regulatory Accounting
- Depreciation Studies
- Pole Attachments
- Integrated Resource Planning
- Avoided Cost Calculations
- Utility Plant Retirements

EDUCATION AND WORK EXPERIENCE

Brad has a Master of Accounting degree from the University of Utah. After obtaining his master's degree, Brad worked at Deloitte Tax in San Jose, California, where he was responsible for preparing corporate tax returns for multinational corporate clients and partnership returns for hedge fund clients. Brad was later promoted to a Tax Senior position in a national tax practice specializing research and development tax credit studies. Following Deloitte, Brad worked at PacifiCorp Energy, as an analyst involved in power cost modeling and forecasting.

REGULATORY APPEARANCES

Brad has sponsored expert witness testimony in the following regulatory proceedings:

Docket	Party	Topics
<u>In re Portland General Electric, Request for a General Rate Revision, Or.PUC Docket No. UE 394</u>	Alliance of Western Energy Consumers	Power Cost Modeling
<u>In re Joint Application of Nevada Power Company d/b/a NV Energy and Sierra Pacific Power Company d/b/a NV Energy for approval of their Economic Recovery Transportation Electrification Plan for the period 2022-2024, PUC Nv. Docket No. 21-09004</u>	Nevada Resort Association	Transportation Electrification
<u>In re PacifiCorp, dba Pacific Power, 2020 Power Cost Adjustment Mechanism, Or.PUC Docket No. UE 392</u>	Alliance of Western Energy Consumers	Power Cost Deferral

<u>In re the Application of Rocky Mountain Power for Authority to Decrease Current Rates by \$14.9 Million to Refund Deferred Net Power Costs Under Tariff Schedule 95 Energy Cost Adjustment Mechanism and to Decrease Current Rates by \$166 Thousand Under Tariff Schedule 93, REC and SO2 Revenue Adjustment Mechanism.</u> Wy.PSC Docket No. 20000-599-EM-21	Wyoming Industrial Energy Consumers	Power Cost Deferral
<u>In re Portland General Electric 2021 Annual Update Tariff Schedule 125, Or. PUC Docket No. UE 391</u>	Alliance of Western Energy Consumers	Power Cost Modeling
<u>In re Joint Application of Nevada Power Company d/b/a NV Energy and Sierra Pacific Power Company d/b/a NV Energy for approval of a regulatory asset account to recover costs relating to the development and implementation of their Joint Natural Disaster Protection Plan,</u> PUC NV. Docket No. 21-03004	Wynn Las Vegas, LLC; Smart Energy Alliance	Single-Issue Rate Filing
<u>In re PacifiCorp d.b.a. Pacific Power, 2022 Transition Adjustment Mechanism, Or.PUC Docket No. UE 390</u>	Alliance of Western Energy Consumers	Power Cost Modeling
<u>In re Avista 2020 General Rate Case, Wa.U.T.C. Docket No. UE-200900 (Cons.)</u>	Alliance of Western Energy Consumers	Revenue Requirement
<u>In re NV Energy's Fourth Amendment to Its 2018 Joint Integrated Resource Plan,</u> PUC Nv. Docket No 20-07023	Wynn Las Vegas, LLC; Smart Energy Alliance	Transmission Planning
<u>In Re Cascade Natural Gas Corporation, 2020 General Rate Case, Wa.U.T.C. Docket No. UG-200568</u>	Alliance of Western Energy Consumers	Revenue Requirement
<u>In re Cascade Natural Gas Corporation, Petition to File Depreciation Study, Or.PUC Docket No. UM 2073</u>	Alliance of Western Energy Consumers	Depreciation Rates
<u>In re the Application of Rocky Mountain Power for Authority to Increase Current Rates By \$7.4 Million to Recover Deferred Net Power Costs Under Tariff Schedule 95 Energy Cost Adjustment Mechanism and to Decrease Current Rates by \$604 Thousand Under Tariff Schedule 93, Rec and So2 Revenue Adjustment Mechanism.</u> Wy.PSC Docket No. 20000-582-EM-20	Wyoming Industrial Energy Consumers	Power Cost Deferral
<u>In re the Complaint of Willamette Falls Paper Company and West Linn Paper Company against Portland General Electric Company,</u> Or.PUC Docket No. UM 2107	Willamette Falls Paper Company	Consumer Direct Access, Tariff Dispute
<u>In re 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,</u> Wy.PSC Docket No. 2000-578-ER-20	Wyoming Industrial Energy Consumers	Power Cost Modeling
<u>Avista Corporation 2021 General Rate Case,</u> Or.PUC Docket No. UG 389	Alliance of Western Energy Consumers	Revenue Requirement, Rate Design
<u>In re NW Natural Request for a General Rate Revision,</u> Or.PUC Docket No. UG 388.	Alliance of Western Energy Consumers	Revenue Requirement, Rate Design
<u>In re PacifiCorp, Request to Initiate an Investigation of Multi-Jurisdictional Issues and Approve an Inter-Jurisdictional Cost Allocation Protocol,</u> Or.PUC, UM 1050.	Alliance of Western Energy Consumers	Jurisdictional Allocation
<u>In re Puget Sound Energy 2019 General Rate Case, Wa.UTC Docket No. UE 190529.</u>	Alliance of Western Energy Consumers	Revenue Requirement, Coal Retirement Costs
<u>Avista Corporation 2020 General Rate Case, Wa.UTC Docket No. UE-190334 (Cons.)</u>	Alliance of Western Energy Consumers	Revenue Requirement, Rate Design
<u>In re Cascade Natural Gas Corporation Application for Approval of a Safety Cost Recovery Mechanism,</u> Or. PUC Docket No. UM 2026	Alliance of Western Energy Consumers	Rate-making Policy
<u>In re Avista Corporation, Request for a General Rate Revision,</u> Or.PUC Docket No. UG 366.	Alliance of Western Energy Consumers	Revenue Requirement, Rate Design
<u>In re Portland General Electric, 2020 Annual Update Tariff (Schedule 125), Or.PUC Docket No UE 359.</u>	Alliance of Western Energy Consumers	Power Cost Modeling

<u>In re PacifiCorp 2020 Transition Adjustment Mechanism</u> , Or.PUC Docket No. UE 356.	Alliance of Western Energy Consumers	Power Cost Modeling
<u>In re PacifiCorp 2020 Renewable Adjustment Clause</u> , Or.PUC Docket No. UE 352.	Alliance of Western Energy Consumers	Single-Issue Rate Filing
<u>2020 Joint Power and Transmission Rate Proceeding</u> , Bonneville Power Administration, Case No. BP-20	Alliance of Western Energy Consumers	Revenue Requirement, Policy
<u>In the Matter of the Application of MSG Las Vegas, LLC for a Proposed Transaction with a Provider of New Electric Resources</u> , PUC Nv. Docket No. 18-10034	Madison Square Garden	Customer Direct Access
<u>Puget Sound Energy 2018 Expedited Rate Filing</u> , Wa.UTC Dockets UE-180899/UG-180900 (Cons.).	Alliance of Western Energy Consumers	Revenue Requirement, Settlement
<u>Georgia Pacific Gypsum LLC's Application to Purchase Energy, Capacity, and/or Ancillary Services from a Provider of New Electric Resources</u> , PUC Nv. Docket No. 18-09015.	Georgia Pacific	Customer Direct Access
<u>Joint Application of Nevada Power Company d/b/a NV Energy for approval of their 2018-2038 Triennial Integrated Resource Plan and 2019-2021 Energy Supply Plan</u> , PUCN Docket No. 18-06003.	Smart Energy Alliance	Resource Planning
<u>In re Cascade Natural Gas Corporation Request for a General Rate Revision</u> , Or.PUC, Docket No. UE 347.	Alliance of Western Energy Consumers	Revenue Requirement, Rate Design
<u>In re Portland General Electric Company Request for a General Rate Revision</u> , Or.PUC Docket No UE 335.	Alliance of Western Energy Consumers	Revenue Requirement, Rate Design
<u>In re Northwest Natural Gas Company, dba NW Natural, Request for a General Rate Revision</u> , Or.PUC Docket No. UG 344.	Alliance of Western Energy Consumers	Revenue Requirement, Rate Design
<u>In re Cascade Natural Gas Corporation Request for a General Rate Revision</u> , Wa.UTC, Docket No. UE-170929.	Northwest Industrial Gas Users	Revenue Requirement, Rate Design
<u>In the Matter of Hydro One Limited, Application for Authorization to Exercise Substantial Influence over the Policies and Actions of Avista Corporation</u> , Or.PUC, Docket No. UM 1897.	Alliance of Western Energy Consumers	Merger
<u>Application of Rocky Mountain Power for Approval of a Significant Energy Resource Decision and Voluntary Request for Approval of Resource Decision</u> , Ut.PSC Docket No. 17-035-40	Utah Industrial Energy Consumers, & Utah Associated Energy Users	New Resource Addition
<u>In re PacifiCorp, dba Rocky Mountain Power, for a CPCN and Binding Ratemaking Treatment for New Wind and Transmission Facilities</u> , Id.PUC Case No. PAC-E-17-07	PacifiCorp Idaho Industrial Customers	New Resource Addition
<u>In re PacifiCorp, dba Pacific Power, 2016 Power Cost Adjustment Mechanism</u> , Or.PUC, Docket No. UE 327.	Alliance of Western Energy Consumers	Power Cost Deferral
<u>In re PacifiCorp 2016 Power Cost Adjustment Mechanism</u> , Wa.UTC Docket No. UE-170717	Boise Whitepaper, LLC	Power Cost Deferral
<u>In re Avista Corporation 2018 General Rate Case</u> , Wa.UTC Dockets UE-170485 and UG-170486 (Consolidated).	Industrial Customers of Northwest Utilities, & Northwest Industrial Gas Users	Revenue Requirement, Rate Design
<u>Application of Nevada Power Company d/b/a NV Energy for authority to adjust its annual revenue requirement for general rates charged to all classes of electric customers and for relief properly related thereto</u> , PUCN. Docket No. 17-06003.	Smart Energy Alliance	Revenue Requirement

<u>In re the Application of Rocky Mountain Power for Authority to Decrease Current Rates by \$15.7 Million to Refund Deferred Net Power Costs Under Tariff Schedule 95 Energy Cost Adjustment Mechanism and to Decrease Current Rates By \$528 Thousand Under Tariff Schedule 93, REC and SO2 Revenue Adjustment Mechanism.</u> Wy. PSC, Docket No. 20000-514-EA-17 (Record No. 14696).	Wyoming Industrial Energy Consumers	Power Cost Deferral
<u>In re the 2018 General Rate Case of Puget Sound Energy.</u> Wa.UTC, Docket No. UE-170033 (Cons.).	Industrial Customers of Northwest Utilities, & Northwest Industrial Gas Users	Revenue Requirement, Rate Design
<u>In re PacifiCorp, dba Pacific Power, 2018 Transition Adjustment Mechanism.</u> Or.PUC, Docket No. UE 323.	Industrial Customers of Northwest Utilities	Power Cost Modeling
<u>In re Portland General Electric Company, Request for a General Rate Revision.</u> Or.PUC, Docket No. UE 319.	Industrial Customers of Northwest Utilities	Revenue Requirement, Rate Design
<u>In re Portland General Electric Company, Application for Transportation Electrification Programs.</u> Or.PUC, UM 1811.	Industrial Customers of Northwest Utilities	Electric Vehicle Charging
<u>In re Pacific Power & Light Company, Application for Transportation Electrification Programs.</u> Or.PUC, Docket No. UM 1810.	Industrial Customers of Northwest Utilities	Single-issue Ratemaking
<u>In re the Public Utility Commission of Oregon, Investigation to Examine PacifiCorp, dba Pacific Power's Non-Standard Avoided Cost Pricing.</u> Or.PUC, Docket No. UM 1802.	Industrial Customers of Northwest Utilities	Qualifying Facilities
<u>In re Pacific Power & Light Co., Revisions to Tariff WN U-75, Advice No. 16-05, to modify the Company's existing tariffs governing permanent disconnection and removal procedures.</u> Wa.UTC, Docket No. UE-161204.	Boise Whitepaper, LLC	Customer Direct Access
<u>In re Puget Sound Energy's Revisions to Tariff WN U-60, Adding Schedule 451, Implementing a New Retail Wheeling Service.</u> Wa.UTC, Docket No. UE-161123.	Industrial Customers of Northwest Utilities	Customer Direct Access
<u>2018 Joint Power and Transmission Rate Proceeding.</u> Bonneville Power Administration, Case No. BP-18.	Industrial Customers of Northwest Utilities	Revenue Requirement, Policy
<u>In re Portland General Electric Company Application for Approval of Sale of Harborton Restoration Project Property.</u> Or.PUC, Docket No. UP 334 (Cons.).	Industrial Customers of Northwest Utilities	Environmental Deferral
<u>In re An Investigation of Policies Related to Renewable Distributed Electric Generation.</u> Ar.PSC, Matter No. 16-028-U.	Arkansas Electric Energy Consumers	Net Metering
<u>In re Net Metering and the Implementation of Act 827 of 2015.</u> Ar.PSC, Matter No. 16-027-R.	Arkansas Electric Energy Consumers	Net Metering
<u>In re the Application of Rocky Mountain Power for Approval of the 2016 Energy Balancing Account.</u> Ut.PSC, Docket No. 16-035-01	Utah Associated Energy Users	Power Cost Deferral
<u>In re Avista Corporation Request for a General Rate Revision.</u> Wa.UTC, Docket No. UE-160228 (Cons.).	Industrial Customers of Northwest Utilities, & Northwest Industrial Gas Users	Revenue Requirement, Rate Design
<u>In re the Application of Rocky Mountain Power to Decrease Current Rates by \$2.7 Million to Recover Deferred Net Power Costs Pursuant to Tariff Schedule 95 and to Increase Rates by \$50 Thousand Pursuant to Tariff Schedule 93.</u> Wy.PSC, Docket No. 20000-292-EA-16.	Wyoming Industrial Energy Consumers	Power Cost Deferral
<u>In re PacifiCorp, dba Pacific Power, 2017 Transition Adjustment Mechanism.</u> Or.PUC, Docket No. UE 307.	Industrial Customers of Northwest Utilities	Power Cost Modeling
<u>In re Portland General Electric Company, 2017 Annual Power Cost Update Tariff (Schedule 125).</u> Or.PUC, Docket No. UE 308.	Industrial Customers of Northwest Utilities	Power Cost Modeling
<u>In re Pacific Power & Light Company, General rate increase for electric services.</u> Wa.UTC, Docket No. UE-152253.	Boise Whitepaper, LLC	Revenue Requirement, Rate Design

<u>In The Matter of the Application of Rocky Mountain Power for Authority of a General Rate Increase in Its Retail Electric Utility Service Rates in Wyoming of \$32.4 Million Per Year or 4.5 Percent, Wy.PSC, Docket No. 20000-469-ER-15.</u>	Wyoming Industrial Energy Consumers	Power Cost Modeling
<u>In re Avista Corporation, General Rate Increase for Electric Services, Wa.UTC, Docket No. UE-150204.</u>	Industrial Customers of Northwest Utilities	Revenue Requirement, Rate Design
<u>In re the Application of Rocky Mountain Power to Decrease Rates by \$17.6 Million to Recover Deferred Net Power Costs Pursuant to Tariff Schedule 95 to Decrease Rates by \$4.7 Million Pursuant to Tariff Schedule 93, Wy.PSC, Docket No. 20000-472-EA-15.</u>	Wyoming Industrial Energy Consumers	Power Cost Deferral
<u>Formal complaint of The Walla Walla Country Club against Pacific Power & Light Company for refusal to provide disconnection under Commission-approved terms and fees, as mandated under Company tariff rules, Wa.UTC, Docket No. UE-143932.</u>	Columbia Rural Electric Association	Customer Direct Access / Customer Choice
<u>In re PacifiCorp, dba Pacific Power, 2016 Transition Adjustment Mechanism, Or.PUC, Docket No. UE 296.</u>	Industrial Customers of Northwest Utilities	Power Cost Modeling
<u>In re Portland General Electric Company, Request for a General Rate Revision, Or.PUC, Docket No. UE 294.</u>	Industrial Customers of Northwest Utilities	Revenue Requirement, Rate Design
<u>In re Portland General Electric Company and PacifiCorp dba Pacific Power, Request for Generic Power Cost Adjustment Mechanism Investigation, Or.PUC, Docket No. UM 1662.</u>	Industrial Customers of Northwest Utilities	Power Cost Deferral
<u>In re PacifiCorp, dba Pacific Power, Application for Approval of Deer Creek Mine Transaction, Or.PUC, Docket No. UM 1712.</u>	Industrial Customers of Northwest Utilities	Single-issue Ratemaking
<u>In re Public Utility Commission of Oregon, Investigation to Explore Issues Related to a Renewable Generator's Contribution to Capacity, Or.PUC, Docket No. UM 1719.</u>	Industrial Customers of Northwest Utilities	Resource Planning
<u>In re Portland General Electric Company, Application for Deferral Accounting of Excess Pension Costs and Carrying Costs on Cash Contributions, Or.PUC, Docket No. UM 1623.</u>	Industrial Customers of Northwest Utilities	Single-issue Ratemaking
<u>2016 Joint Power and Transmission Rate Proceeding, Bonneville Power Administration, Case No. BP-16.</u>	Industrial Customers of Northwest Utilities	Revenue Requirement, Policy
<u>In re Puget Sound Energy, Petition to Update Methodologies Used to Allocate Electric Cost of Service and for Electric Rate Design Purposes, Wa.UTC, Docket No. UE-141368.</u>	Industrial Customers of Northwest Utilities	Cost of Service
<u>In re Pacific Power & Light Company, Request for a General Rate Revision Resulting in an Overall Price Change of 8.5 Percent, or \$27.2 Million, Wa.UTC, Docket No. UE-140762.</u>	Boise Whitepaper, LLC	Revenue Requirement, Rate Design
<u>In re Puget Sound Energy, Revises the Power Cost Rate in WN U-60, Tariff G, Schedule 95, to reflect a decrease of \$9,554,847 in the Company's overall normalized power supply costs, Wa.UTC, Docket No. UE-141141.</u>	Industrial Customers of Northwest Utilities	Power Cost Modeling
<u>In re the Application of Rocky Mountain Power for Authority to Increase Its Retail Electric Utility Service Rates in Wyoming Approximately \$36.1 Million Per Year or 5.3 Percent, Wy.PSC, Docket No. 20000-446-ER-14.</u>	Wyoming Industrial Energy Consumers	Power Cost Modeling
<u>In re Avista Corporation, General Rate Increase for Electric Services, RE, Tariff WN U-28, Which Proposes an Overall Net Electric Billed Increase of 5.5 Percent Effective January 1, 2015, Wa.UTC, Docket No. UE-140188.</u>	Industrial Customers of Northwest Utilities	Revenue Requirement, Rate Design, Power Costs
<u>In re PacifiCorp, dba Pacific Power, Application for Deferred Accounting and Prudence Determination Associated with the Energy Imbalance Market, Or.PUC, Docket No. UM 1689.</u>	Industrial Customers of Northwest Utilities	Single-issue Ratemaking
<u>In re PacifiCorp, dba Pacific Power, 2015 Transition Adjustment Mechanism, Or.PUC, Docket No. UE 287.</u>	Industrial Customers of Northwest Utilities	Power Cost Modeling

<u>In re Portland General Electric Company, Request for a General Rate Revision, Or.PUC, Docket No. UE 283.</u>	Industrial Customers of Northwest Utilities	Revenue Requirement, Rate Design
<u>In re Portland General Electric Company's Net Variable Power Costs (NVPC) and Annual Power Cost Update (APCU), Or.PUC, Docket No. UE 286.</u>	Industrial Customers of Northwest Utilities	Power Cost Modeling
<u>In re Portland General Electric Company 2014 Schedule 145 Boardman Power Plant Operating Adjustment, Or.PUC, Docket No. UE 281.</u>	Industrial Customers of Northwest Utilities	Coal Retirement
<u>In re PacifiCorp, dba Pacific Power, Transition Adjustment, Five-Year Cost of Service Opt-Out (adopting testimony of Donald W. Schoenbeck), Or.PUC, Docket No. UE 267.</u>	Industrial Customers of Northwest Utilities	Customer Direct Access