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WORK EXPERIENCE

Energy Strategies, LLC	Salt Lake City, UT
Principal	2022 – Present
Associate Principal	2021 - 2022
Senior Consultant	2017 - 2021
Pacific Gas & Electric	San Francisco, CA
Manager, Transmission Project Development	2015 - 2016
Principal, ISO Relations and FERC Policy	2014 - 2015
Supervisor, Electric Generation Interconnection	2012 – 2014
Nehemiah Construction, Inc.	Benicia, CA
Project Manager/Structure Superintendent	2009 - 2010
Project/Field Engineer	2006 - 2009
EDUCATION	
University of Southern California, Marshall School of Business	Los Angeles, CA
Master of Business Administration	May 2012
Duke University	Durham, NC
Bachelor of Science in Engineering, Mechanical Engineering	May 2006

PROFESSIONAL LICENSE

Registered Professional Civil Engineer in the state of California

Regulatory Testimony

State of Colorado

Proceeding #	<u>Title</u>	<u>Activity</u>
18A-0905E	In the matter of the Application of Public Service Company of Colorado for approval of the 500 MW Cheyenne ridge wind project, a Certificate of Public Convenience and Cecessity for the Cheyenne Ridge Wind Farm, and a Certificate of Public Convenience and Necessity for the 345 kV Generation Tie Line and associated findings of noise and magnetic field reasonableness.	Answer Testimony, Feb. 22, 2019
20AL-0432E	In The Matter Of Advice No. 1835-Electric Of Public Service Company Of Colorado To Revise Its Colorado P.U.C. No. 8 – Electric Tariff To Eliminate The Currently Effective General Rate Schedule Adjustments To Place Into Effect Revised Base Rates And Other Phase Ii Tariff Proposals To Become Effective November 19, 2020	Cross-Answer Testimony, Apr. 7, 2021 Cross-Examined, May 10, 2021

State of Indiana

Cause #	<u>Title</u>	<u>Activity</u>
44967	Petition of Indiana Michigan Power Company, an Indiana corporation, for authority to increase its rates and charges for electric utility service, for approval of: revised depreciation rates; accounting relief; inclusion in basic rates and charges of the costs of qualified pollution control property; modifications to rate adjustment mechanisms; and major storm reserve; and for approval of new schedules of rates, rules and regulations.	Direct Testimony, Nov. 7, 2017 Cross-Answer Testimony, Dec. 6, 2017
45235	Petition of Indiana Michigan Power Company, an Indiana Corporation, for authority to increase its rates and charges for electric utility service, through a phase in rate adjustment; and for approval of related relief including: (1) revised depreciation rates; (2) accounting relief; (3) inclusion in rate base of qualified pollution control property and clean energy project; (4) enhancements to the dry sorbent injection system; (5) advanced metering infrastructure; (6) rate adjustment mechanism proposals; and (7) new schedules of rates, rules and regulations.	Direct Testimony, Aug. 20, 2019 Cross-Answer Testimony, Sep. 17, 2019
45253	Petition of Duke Energy Indiana, LLC pursuant to Ind. Code §§ 8-1-2-42.7 and 8-1-2-61, for (1) authority to modify its rates and charges for electric utility service through a step-in of new rates and charges using a forecasted test period; (2) approval of new schedules of rates and charges, general rules and regulations, and riders; (3) approval of a federal mandate certificate under ind. Code § 8-1-8.4-1; (4) approval of revised electric depreciation rates applicable to its electric plant in service; (5) approval of necessary and appropriate accounting deferral relief; and (6) approval of a revenue decoupling mechanism for certain customer classes	Direct Testimony, Oct. 30, 2019 Cross-Answer Testimony, Dec. 4, 2019

45235 Petition of Indiana Michigan Power Company, an Indiana Corporation,

for authority to increase its rates and charges for electric utility service, through a phase in rate adjustment; and for approval of related relief including: (1) revised depreciation rates; (2) accounting relief; (3) inclusion in rate base of qualified pollution control property and clean energy project; (4) enhancements to the dry sorbent injection system; (5) advanced metering infrastructure; (6) rate adjustment mechanism proposals; and (7) new schedules of rates, rules and regulations.

Direct Testimony, Oct. 12, 2021

State of Kentucky

Case #	<u>Title</u>	Activity
2017-00321	In the matter of Application of Duke Energy Kentucky, Inc. For: 1) an adjustment of the electric rates; 2) approval of an environmental compliance plan and surcharge mechanism; 3) approval of accounting practices to establish regulatory assets and liabilities, and 5) all other required approvals and relief.	Direct Testimony, Dec. 29, 2017 Cross Examined, Mar. 8, 2018
2018-00294	Application of Kentucky Utilities Company for an Adjustment of its Rates	Direct Testimony, Jan. 16, 2019
2018-00295	Application of Louisville Gas and Electric Company for an Adjustment of its Electric and Gas Rates	Direct Testimony, Jan. 16, 2019
2019-00271	The Electronic Application of Duke Energy Kentucky, Inc., for: 1) An Adjustment of the Electric Rates; 2) Approval of New Tariffs; 3) Approval of Accounting Practices to Establish Regulatory Assets and Liabilities; and 4) All Other Required Approvals and Relief.	Direct Testimony, Dec. 13, 2019 Cross Examined, Feb. 19, 2020
2020-00349	Electronic Application Of Kentucky Utilities Company For An Adjustment Of Its Electric Rates, A Certificate Of Public Convenience And Necessity To Deploy Advanced Metering Infrastructure, Approval Of Certain Regulatory And Accounting Treatments, And Establishment Of A One-Year Surcredit	Direct Testimony, Mar. 5, 2021
2020-00350	Electronic Application Of Louisville Gas And Electric Company For An Adjustment Of Its Electric And Gas Rates, A Certificate Of Public Convenience And Necessity To Deploy Advanced Metering Infrastructure, Approval Of Certain Regulatory And Accounting Treatments, And Establishment Of A One-Year Surcredit	Direct Testimony, Mar. 5, 2021
2021-00289	Electronic Tariff Filing of Big Rivers Electric Corporation and Kenergy Corp. to Implement a New Standby Service Tariff	Direct Testimony, Oct. 15, 2021 Cross-Examination, Jan. 20, 2022
2022-00372	Electronic Application Of Duke Energy Kentucky, Inc. For (1) An Adjustment Of Electric Rates; (2) Approval Of New Tariffs; (3) Approval Of Accounting Practices To Establish Regulatory Assets And Liabilities; And (4) All Other Required Approvals And Relief	Direct Testimony, March 10, 2023
	State of Michigan	

Docket #	<u>Title</u>	<u>Activity</u>
U-20134	In the Matter of the Application of Consumers Energy Company for Authority to Increase its Rates for the Generation and Distribution of	Direct Testimony, Sep. 10, 2018 Rebuttal Testimony, Oct. 1, 2018

U-20162	In the Matter of the Application of DTE Electric Company for Authority to Increase its Rates for the Generation and Distribution of Electricity and for Other Relief.	Direct Testimony, Nov. 7, 2018 Rebuttal Testimony, Nov. 28, 2018
U-20561	In the matter of the Application of DTE Electric Company for authority to increase its rates, amend its rate schedules and rules governing the distribution and supply of electric energy, and for miscellaneous accounting authority.	Direct Testimony, Nov. 6, 2019 Rebuttal Testimony, Dec. 2, 2019 Cross-Examined Dec. 19, 2019
U-20697	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.	Direct Testimony, Jun. 24, 2020 Rebuttal Testimony, Jul. 14, 2020 Cross-Examined Aug. 4, 2020
U-20963	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.	Direct Testimony, Jun. 22, 2021 Rebuttal Testimony, Jul. 12, 2021
U-20836	In the matter of the application of DTE Electric Company for authority to increase its rates for the generation and distribution of electricity and for miscellaneous accounting authority.	Direct Testimony, May 19, 2022 Rebuttal Testimony, Jun. 13, 2022
U-21224	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.	Direct Testimony, Aug. 24, 2022 Rebuttal Testimony, Sep. 15, 2022

State of Montana

Docket #	<u>Title</u>	<u>Activity</u>
D2019.2.8	Grizzly Wind, LLC Petition to Set Terms and Conditions of Qualifying Small Power Production Facility Pursuant to MCA S 69-3-603	Rebuttal Testimony, May 23, 2019 Cross-Examined, Jun. 12, 2019
D2019.2.9	Black Bear Wind, LLC Petition to Set Terms and Conditions of Qualifying Small Power Production Facility Pursuant to MCA S 69-3- 603	Rebuttal Testimony, May 29, 2019 Cross-Examined, Jun. 12, 2019
2022.07.078	In The Matter Of Northwestern Energy's Application For Authority To Increase Its Retail Electric And Natural Gas Utility Service Rates And For Approval Of Electric And Natural Gas Service Schedules And	Direct Testimony, Dec. 19, 2022 Cross-Intervenor, Mar. 6, 2023

State of Nevada

Docket #	<u>Title</u>	<u>Activity</u>
20-06003	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.	Direct Testimony, Aug. 17, 2020 Cross-Examined, Sep. 1, 2020

State of New Mexico

Case #	<u>Title</u>	<u>Activity</u>
20-00238-UT	In The Matter Of Southwestern Public Service Company's Application For: (1) Revision Of Its Retail Rates Under Advice Notice No. 292; (2) Authorization And Approval To Abandon Its Plant X Unit 3 Generating Station; And (3) Other Associated Relief,	Direct Testimony, May 17, 2021 Rebuttal Testimony, Jun. 9, 2021
	Southwestern Public Service Company, Applicant	
	State of North Carolina	
Docket #	<u>Title</u>	<u>Activity</u>
E-2, Sub 1142	Application of Duke Energy Progress, LLC, for Adjustment of Rates and Charges Applicable to Electric Utility Service in North Carolina	Direct Testimony, Sep. 22, 2017
E-7, Sub 1214	Application of Duke Energy Carolinas, LLC For Adjustment of Rates and Charges Applicable to Electric Service in North Carolina	Direct Testimony, Feb. 18, 2020
E-2, Sub 1219	Application of Duke Energy Progress, LLC, for Adjustment of Rates and Charges Applicable to Electric Utility Service in North Carolina	Direct Testimony, Apr. 13, 2020 Errata, Apr. 27, 2020
E-2, Sub 1300	Application of Duke Energy Progress, LLC, for Adjustment of Rates and Charges Applicable to Electric Utility Service in North Carolina and Performance-Based Regulation	Direct Testimony, Mar. 27, 2023
	State of Ohio	
Docket #	<u>Title</u>	<u>Activity</u>
18-501-EL-FOR	In the Matter of the Long-Term Forecast Report of Ohio Power	Direct Testimony, Jan. 2, 2019
18-1392-EL-RDR	Company and Related Matters In the Matter of the Application Seeking Approval of Ohio Power	Cross Examined, Jan. 25, 2019
18-1393-EL-ATA	Company's Proposal to Enter into Renewable Energy Purchase Agreements for Inclusion in the Renewable Generation Rider In the Matter of the Application of Ohio Power Company to Amend its Tariffs	
	State of Oregon	
Docket #	<u>Title</u>	<u>Activity</u>
UE 335	Portland General Electric Company request for General Rate Revision	Direct Testimony, Jun. 6, 2018 Settlement Testimony, Aug. 16, Aug. 20, Aug. 29, Sep. 14, Sep. 17, 2018
UE 374	PacifiCorp request for a General Rate Revision	Opening Testimony, Jun. 4, 2020

UE 394	Portland General Electric Company request for General Rate Revision	Settlement Testimony, Sep. 30, 2021 Opening Testimony, Oct. 25, 2021 Settlement Testimony, Dec. 2, 2021 Rebuttal Testimony, Jan. 13, 2022 Settlement Testimony, Jan. 18, 2022 Settlement Testimony, Mar. 2, 2022
UE 399	PacifiCorp request for a General Rate Revision	Rebuttal Testimony, Aug. 11, 2022

State of Texas

Docket #	<u>Title</u>	<u>Activity</u>
53601	Application Of Oncor Electric Delivery Company LLC For Authority To Change Rates	Direct Testimony, Aug. 26, 2022 Rebuttal Testimony, Sep. 16, 2022 Cross-Examined, Sep. 29, 2022

State of Utah

Docket #	<u>Title</u>	<u>Activity</u>
19-057-13	In the Matter of the Request of Dominion Energy Utah for Approval of a Voluntary Resource Decision to Construct an LNG Facility	Rebuttal Testimony, Sep. 12, 2019 Cross Examined, Sep. 27, 2019
20-035-04	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.	Direct Testimony, Sep. 15, 2020 Rebuttal Testimony, Oct. 16, 2020 Surrebuttal Testimony, Nov. 6, 2020 Cross Examined, Nov. 17, 2020
21-035-42	In the Matter of the Rocky Mountain Power's Application for Alternative Cost Recovery for Major Plant Additions of the Pryor Mountain and TB Flats Wind Projects	Direct Testimony, Oct. 6, 2021 Surrebuttal Testimony, Nov. 18, 2021 Cross-Examined, Nov. 30, 2021
21-035-54	Application of Rocky Mountain Power for a Certificate of Public Convenience and Necessity for the Gateway South Transmission Project	Direct Testimony, Jan. 25, 2022

State of Virginia

Case #	<u>Title</u>	<u>Activity</u>
PUR-2020-00015	Application of Appalachian Power Company for a Triennial Review of the Rates, Terms and Conditions for the Provision of Generation, Distribution and Transmission Services Pursuant to §56-585.1 A of the Code of Virginia	Direct Testimony, Jul. 30, 2020
PUR-2021-00058	Application of Virginia Electric and Power Company for a Triennial Review of the Rates, Terms and Conditions for the Provision of Generation, Distribution and Transmission Services Pursuant to §56-585.1 A of the Code of Virginia	Direct Testimony, Sep. 3, 2021

State of Washington

Docket #	<u>Title</u>	Activity
UE-220066 UG-220067	2022 PSE General Rate Case	Direct Testimony, Jul. 28, 2022 Cross-Examined, Oct. 3, 2022
	State of Wisconsin	
Docket #	<u>Title</u>	<u>Activity</u>
5-UR-109	Joint Application of Wisconsin Electric Power Company and Wisconsin Gas LLC for authroity to adjust electric, natural gas and steam rates - test year 2020	Direct Testimony, Aug. 23, 2019 Supplemental Testimony, Sep. 24, 2019
5-UR-110	Joint Application of Wisconsin Electric Power Company and Wisconsin Gas LLC for authroity to adjust electric, natural gas and steam rates	Direct Testimony, Sep. 9, 2022