

MISSOURI PUBLIC SERVICE COMMISSION

STAFF REPORT

CLASS COST OF SERVICE

APPENDIX 1

Staff Credentials

SPIRE MISSOURI, INC., d/b/a SPIRE

**LACLEDE GAS COMPANY and MISSOURI GAS ENERGY
GENERAL RATE CASE**

**CASE NOS. GR-2017-0215
and GR-2017-0216**

*Jefferson City, Missouri
September 2017*

APPENDIX 1
STAFF CREDENTIALS
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Daniel I. Beck, P.E.

Manager of Engineering Analysis Unit
Operational Analysis Department
Commission Staff Division

Missouri Public Service Commission
P.O. Box 360
Jefferson City, MO 65102

I graduated with a Bachelor of Science Degree in Industrial Engineering from the University of Missouri at Columbia. Upon graduation, I was employed by the Navy Plant Representative Office in St. Louis, Missouri as an Industrial Engineer. I began my employment at the Commission in November, 1987, in the Research and Planning Department of the Utility Division (later renamed the Economic Analysis Department of the Policy and Planning Division) where my duties consisted of weather normalization, load forecasting, integrated resource planning, cost-of-service and rate design. In December, 1997, I was transferred to the Tariffs/Rate Design Section of the Commission's Gas Department where my duties include weather normalization, annualization, tariff review, cost-of-service and rate design. In June 2001, I was transferred to the Engineering Analysis Section of the Energy Department, which was created by combining the Gas and Electric Departments. I became the Supervisor of the Engineering Analysis Section, Energy Department, Utility Operations Division in November 2005. Since that time my title has been changed to Manager of the Engineering Analysis Unit, Operational Analysis Department, Commission Staff Division and the Engineering Analysis Unit has added responsibilities in the area of depreciation.

I am a Registered Professional Engineer in the State of Missouri. My registration number is E-26953.

**List of Cases in which prepared testimony was presented by:
DANIEL I. BECK, PE**

<u>Company Name</u>	<u>Case No.</u>
Union Electric Company	EO-87-175
The Empire District Electric Company	EO-91-74
Missouri Public Service	ER-93-37
St. Joseph Power & Light Company	ER-93-41
The Empire District Electric Company	ER-94-174
Union Electric Company	EM-96-149
Laclede Gas Company	GR-96-193
Missouri Gas Energy	GR-96-285
Kansas City Power & Light Company	ET-97-113
Associated Natural Gas Company	GR-97-272
Union Electric Company	GR-97-393
Missouri Gas Energy	GR-98-140
Missouri Gas Energy	GT-98-237
Ozark Natural Gas Company, Inc.	GA-98-227
Laclede Gas Company	GR-98-374
St. Joseph Power & Light Company	GR-99-246
Laclede Gas Company	GR-99-315
Utilicorp United Inc. & St. Joseph Light & Power Co.	EM-2000-292
Union Electric Company d/b/a AmerenUE	GR-2000-512
Missouri Gas Energy	GR-2001-292
Laclede Gas Company	GR-2001-629
Union Electric Company d/b/a AmerenUE	GT-2002-70
Laclede Gas Company	GR-2001-629
Laclede Gas Company	GR-2002-356
Union Electric Company d/b/a AmerenUE	GR-2003-0517
Missouri Gas Energy	GR-2004-0209
Atmos Energy Corporation	GR-2006-0387
Missouri Gas Energy	GR-2006-0422
Union Electric Company d/b/a AmerenUE	GR-2007-0003
The Empire District Electric Company	EO-2007-0029/EE-2007-0030
Laclede Gas Company	GR-2007-0208
The Empire District Electric Company	EO-2008-0043

cont'd DANIEL I. BECK, PE
List of Cases in which
prepared testimony was presented

<u>Company Name</u>	<u>Case No.</u>
Missouri Gas Utility, Inc.	GR-2008-0060
The Empire District Electric Company	ER-2008-0093
Trigen Kansas City Energy Corporation	HR-2008-0300
Union Electric Company d/b/a AmerenUE	ER-2008-0318
Kansas City Power & Light Company	ER-2009-0089
KCP&L Greater Missouri Operations Company	ER-2009-0090
Missouri Gas Energy	GR-2009-0355
The Empire District Gas Company	GR-2009-0434
Union Electric Company d/b/a AmerenUE	ER-2010-0036
Laclede Gas Company	GR-2010-0171
Atmos Energy Corporation	GR-2010-0192
Kansas City Power & Light Company	ER-2010-0355
KCP&L Greater Missouri Operations Company	ER-2010-0356
Union Electric Company d/b/a Ameren Missouri	GR-2010-0363
Kansas City Power & Light Company	ER-2012-0174
KCP&L Greater Missouri Operations Company	ER-2012-0175
Chaney vs. Union Electric Company	EO-2011-0391
Veach vs. The Empire District Electric Company	EC-2012-0406
The Empire District Electric Company	ER-2012-0345
KCP&L Greater Missouri Operations Company	ET-2014-0059
Kansas City Power & Light Company	ET-2014-0071
Union Electric Company d/b/a Ameren Missouri	ET-2014-0085
Missouri Gas Energy	GR-2014-0007
Union Electric Company d/b/a Ameren Missouri	EA-2012-0281
Union Electric Company d/b/a Ameren Missouri	EA-2014-0136
Summit Natural Gas of Missouri, Inc.	GR-2014-0086
Grain Belt Express Clean Line LLC	EA-2014-0207
Union Electric Company d/b/a Ameren Missouri	ER-2014-0258
Kansas City Power & Light Company	ER-2014-0370
Ameren Transmission Company of Illinois	EA-2015-0146
KCP&L Greater Missouri Operations Company	EA-2015-0256

cont'd DANIEL I. BECK, PE
List of Cases in which
prepared testimony was presented

<u>Company Name</u>	<u>Case No.</u>
KCP&L Greater Missouri Operations Company	ER-2016-0156
Union Electric Company d/b/a Ameren Missouri	ER-2016-0179
Kansas City Power & Light Company	ER-2016-0285
Grain Belt Express Clean Line LLC	EA-2016-0358
The Empire District Electric Company	EO-2017-0277

Anne M. Crowe
Regulatory Auditor

Educational and Employment Background

I am employed as a Regulatory Auditor with the Missouri Public Service Commission. I graduated from the University of Missouri in Columbia with a Bachelor of Science degree in Accounting in 1989. I am currently a licensed Certified Public Accountant in the state of Missouri.

During college and after graduation, I worked for Capital Bank as a Teller, New Accounts Representative, and temporary Branch Manager. I began employment with the Commission in 1990 as a Regulatory Auditor in the Accounting Department (now known as the Auditing Unit). My duties included assisting with audits and examinations of the books and records of utility companies operating within the state of Missouri.

In October 1993, I obtained by current position as a Regulatory Auditor in the Procurement Analysis Unit. Since that time, my responsibilities include reviewing and analyzing amounts charged by natural gas local distribution companies (LDCs) through the Purchased Gas Adjustment (PGA)/Actual Cost Adjustment (ACA) mechanism. Since my time in the Procurement Analysis Unit, I have performed and/or assisted in performing numerous ACA reviews which include a review of LDC's capacity release and off-system sales transactions. Please see the attached table for a list of cases and issues in which I have filed testimony.

ANNE M. CROWE
SUMMARY OF TESTIMONY

Company Name	Case Number	Issues
Missouri Gas Energy	GE-2011-0282	Waiver Request
Laclede Gas Company	GC-2011-0006	Stipulation and Agreement in Case No. GM-2001-342
Laclede Gas Company	GR-2010-0171	Natural Gas Underground Storage and Gas Supply Incentive Plan
Missouri Gas Energy	GR-2009-0355	Capacity Release and Off-System Sales
Missouri Gas Energy	GR-2007-0256	Billing Error
Union Electric Company	GR-2007-0003	Gas Inventory, ACA documentation
Missouri Gas Energy	GR-2006-0422	Gas Inventory, Uncollectible Expense, and ACA documentation
Missouri Gas Energy	GR-2004-0209	Gas Inventory, Capacity Release and Gas Purchasing Practices
Union Electric Company	GR-2003-0517	Gas Inventories
Missouri Gas Energy	GR-2001-382, GR-2000-425, GR-99-304 & GR-98-167 (Consolidated)	Purchasing Practices; Refunds
Atmos Energy Corporation and United Cities Gas Company	GR-2001-396 & GR-2001-397 (Consolidated)	Purchasing Practices – Neelyville; Purchasing Practices-Consolidated District; Deferred Carrying Cost Balance; Propane
UtiliCorp United Inc. and St. Joseph Light and Power Company	EM-2000-292	Conditions to be Made Part of Approved Merger
St. Joseph Light and Power Company	GR-99-246	Natural Gas Inventory Prices
Ozark Natural Gas Company	GA-98-227	Cost of Gas per Dth; Reliability of Supply and Transportation
Missouri Gas Energy	GR-98-140	Natural Gas Storage Inventory Prices
Missouri Public Service	GR-96-192	Winter Storage Allocation; Overrun Penalties

**cont'd Anne M. Crowe
Summary of Testimony**

Company Name	Case Number	Issues
Union Electric Company	GR-97-393	Natural Gas Storage Inventory Prices
St. Joseph Light and Power Company	GR-96-47	Gas Purchasing Practices
Missouri Gas Energy	GR-96-285	Natural Gas Storage Inventory Prices
Ozark Natural Gas Company	GA-96-264	Cost of Gas per Dth; Reliability of Transportation
St. Louis County Water Company	WR-93-204	Rate Base; CWC; Dues & Donations; Misc. Expenses
United Cities Gas Company	GR-93-47	Rate Base; CWC; Dues & Donations; Misc. Expenses
Laclede Gas Company	GR-92-165	Payroll; Payroll Taxes; Employee Pensions and Benefits
Choctaw Telephone Company	TR-91-336	Payroll; Payroll Taxes; Employee Pensions/Benefits; Voucher Analysis; Other Misc. Expenses

Education and Work Experience for
Natelle Dietrich

Commission Staff Director

I received a Bachelor's of Arts Degree in English from the University of Missouri, St. Louis and a Master's of Business Administration from William Woods University. During my tenure with the Commission, I have worked in many areas of telecommunications regulation. In October, 2007, I became the Director of Utility Operations. The division was renamed the Tariff, Safety, Economic and Engineering Analysis Department in August 2011. In October 2015, I was named Commission Staff Director. In this position, I oversee all aspects of the Commission technical staff, and am responsible for determining Staff's position and policy on issues before the Commission.

My responsibilities have included involvement in several activities related to implementing sound utility regulatory policy in Missouri and I have been the lead director for most of the Commission's rulemakings.

I was a member of the Missouri Delegation to the Missouri/Moldova Partnership through NARUC and the US Agency for International Development. I am a member of the National Association of Regulatory Utility Commissioners Staff Subcommittee on Rate Design and the Staff Subcommittee on Telecommunications. I serve on the Staff of the Federal/State Joint Board on Universal Service, serve as Lead Staff for the Missouri Universal Service Board and was a member of the Governor's MoBroadbandNow taskforce.

**Case Summary of
Natelle Dietrich
Commission Staff Director**

Presented testimony or analysis through affidavits on the following cases and proceedings:

- Case No. TA-99-405, an analysis of the appropriateness of a “payday loan” company providing prepaid telecommunications service.
- Case No. TX-2001-73, In the Matter of Proposed New Rules on Prepaid Calling Cards.
- Case No. TO-2001-455, the AT&T/Southwestern Bell Telephone Company arbitration, which included issues associated with unbundled network elements.
- Case No. TX-2001-512, In the Matter of Proposed Amendments to Commission Rule 4 CSR 240-33.010, 33.020, 33.030, 33.040, 33.060, 33.070, 33.080, 33.110, and 33.150 (telecommunications billing practices).
- Case No. TO-2002-222, the MCI/SWBT arbitration.
- Case No. TR-2002-251, In the Matter of the Tariffs Filed by Sprint Missouri, Inc. d/b/a Sprint to Reduce the Basic Rates by the Change in the CPI-TS as Required by 392.245(4), Updating its Maximum Allowable Prices for Non-Basic Services and Adjusting Certain Rates as Allowed by 392.245(11) and Reducing Certain Switched Access Rates and Rebalancing to Local Rates as Allowed by 392.245(9).
- Case No. TX-2002-1026, In the Matter of a Proposed Rulemaking to Implement the Missouri Universal Service Fund End-User Surcharge.
- Case No. TX-2003-0379, In the Matter of Proposed Amendments to Commission Rule 4 CSR 240-3.545, formerly 4 CSR 240-30.010 (tariff filing requirements).
- Case No. TX-2003-0380, In the Matter of Proposed Amendments to Commission Rules 4 CSR 240-2.060, 4 CSR 240-3.020, 4 CSR 240-3.510, 4 CSR 240-3.520, and 4 CSR 240-3.525 (competitive local exchange carrier filing requirements and merger-type transactions).
- Case No. TX-2003-0389, In the Matter of Proposed Amendment to Commission Rules 4 CSR 240-3.530 and 4 CSR 240-3.535, and New Rules 4 CSR 240-3.560 and 4 CSR 240-3.565 (telecommunications bankruptcies and cessation of operation).
- Case No. TX-2003-0445, In the Matter of a Proposed New Rule 4 CSR 240-33.160 Regarding Customer Proprietary Network Information.
- Case No. TX-2003-0487, In the Matter of Proposed Commission Rules 4 CSR 240-36.010, 36.020, 36.030, 36.040, 36.050, 36.060, 36.070, and 36.080 (arbitration and mediation rules).
- Case No. TX-2003-0565, In the Matter of a Proposed Rulemaking to Codify Procedures for Telecommunications Carriers to Seek Approval, Amendment and Adoption of Interconnection and Resale Agreements.
- Case Nos. TX-2004-0153 and 0154, in the Matter of Proposed Rule for 211 Service (emergency and permanent rules).

cont'd Case Summary of
Natelle Dietrich

- Case Nos. TO-2004-0370, IO-2004-0467, TO-2004-0505 et al, In the Matter of the Petition of various small LECs for Suspension of the Federal Communications Commission Requirement to Implement Number Portability.
- Case No. TX-2005-0258, In the Matter of a New Proposed Rule 4 CSR 240-33.045 (placement and identification of charges on customer bills).
- Case No. TX-2005-0460, In the Matter of the Proposed Amendments to the Missouri Universal Service Fund Rules.
- Case No. TO-2006-0093, In the Matter of the Request of Southwestern Bell Telephone, L.P. d/b/a SBC Missouri, for Competitive Classification Pursuant to Section 392.245.6, RSMo (2205) – 30-day Petition.
- Case Nos. TC-2005-0357, IR-2006-0374, TM-2006-0306, the complaint case, earnings investigation and transfer of assets case to resolve issues related to Cass County Telephone Company, LP, LEC Long Distance, FairPoint Communications, Inc., FairPoint Communications Missouri Inc. d/b/a FairPoint Communications and ST Long Distance Inc. db/a FairPoint Communications Long Distance.
- Case No. TC-2006-0068, FullTel, Inc., v. CenturyTel of Missouri, LLC.
- Case No. TX-2006-0169, In the Matter of Proposed New Rule 4 CSR 240-3.570 Regarding Eligible Telecommunications Carrier Designations for Receipt of Federal Universal Service Fund Support.
- Case No. TX-2006-0429, In the Matter of a Proposed Amendment to 4 CSR 240-3.545 (one day tariff filings).
- Case No. TX-2007-0086, In the Matter of a Proposed Rulemaking to Create Chapter 37 – Number Pooling and Number Conservation Efforts.
- Case No. TA-2009-0327, In the Matter of the Petition of TracFone Wireless, Inc. for Designation as an Eligible Telecommunications Carrier in the State of Missouri for the Limited Purpose of Offering Lifeline and Link Up Service to Qualified Households.
- Case No. RA-2009-0375, In the Matter of the application of Nexus Communications, Inc. dba TSI for Designation as an Eligible Telecommunications Carrier in the State of Missouri for the Limited Purpose of Offering Wireless Lifeline and Link Up Service to Qualifying Households.
- Case No. AX-2010-0061, Office of Public Counsel’s Petition for Promulgation of Rules Relating to Billing and Payment Standards for Residential Customers.
- Case No. GT-2009-0056, In the Matter of Laclede Gas Company’s Tariff Revision Designed to Clarify its Liability for Damages Occurring on Customer Piping and Equipment Beyond the Company’s Meter.
- Case No. ER-2012-0166, In the Matter of Union Electric Company d/b/a Ameren Missouri’s Tariffs to Increase Its Revenues for Electric Service. Energy Independence and Security Act of 2007 (EISA).
- Case No. ER-2012-0174, In the Matter of Kansas City Power & Light Company’s Request for Authority to Implement A General Rate Increase for Electric Service. Energy Independence and Security Act of 2007 (EISA).

cont'd Case Summary of
Natelle Dietrich

- Case No. ER-2012-0175, In the Matter of KCP&L Greater Missouri Operations Company's Request for Authority to Implement A General Rate Increase for Electric Service. Energy Independence and Security Act of 2007 (EISA).
- Case No. ER-2012-0345, In the Matter of Empire District Electric Company of Joplin, Missouri Tariff's Increasing Rates for Electric Service Provided to Customers in the Missouri Service Area of the Company. Energy Independence and Security Act of 2007 (EISA).
- File Nos. EO-2013-0396 and EO-2013-0431, In the Matter of the Joint Application of Entergy Arkansas, Inc., Mid South TransCo, LLC, Transmission Company Arkansas, LLC and ITC Midsouth LLC for Approval of Transfer of Assets and Certificate of Convenience and Necessity, and Merger and, in connection therewith, Certain Other Related Transactions; and In the Matter of Entergy Arkansas, Inc.'s Notification of Intent to Change Functional Control of Its Missouri Electric Transmission Facilities to the Midwest Independent Transmission System Operator Inc. Regional Transmission System Organization or Alternative Request to Change Functional Control and Motions for Waiver and Expedited Treatment, respectively.
- Case No. MX-2013-0432, In the Matter of a Proposed Rulemaking to Revise Manufactured Housing Rules Regarding Installation and Monthly Reporting Requirements.
- Case No. TX-2013-0324, In the Matter of a Proposed Rulemaking to the Missouri Universal Service Fund.
- Case No. EO-2014-0095, In the Matter of Kansas City Power & Light Company's Filing for Approval of Demand-Side Programs and for Authority to Establish Demand-Side Programs Investment Mechanism.
- Case No. EA-2014-0207, 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.
- Case No. ER-2014-0370, In the Matter of Kansas City Power & Light Company's Request for Authority to Implement a General Rate Increase for Electric Service.
- Case No. WR-2015-0301, In the Matter of Missouri-American Water Company's Request for Authority to Implement a General Rate Increase for Water and Sewer Service Provided in Missouri Service Areas.
- Case No. ER-2016-0156, In the Matter of KCP&L Greater Missouri Operations Company's Request for Authority to Implement a General Rate Increase for Electric Service.
- Case No. ET-2016-0246, In the Matter of the Application of Union Electric Company d/b/a Ameren Missouri for Approval of a Tariff Setting a Rate for Electric Vehicle Charging Stations.
- Case No. ER-2016-0285, In the Matter of Kansas City Power & Light Company's Request for Authority to Implement a General Rate Increase for Electric Service.
- Case No. ER-2016-0179, In the Matter of Union Electric Company d/b/a Ameren Missouri's Tariffs to Increase its Revenues for Electric Service.

cont'd Case Summary of
Natelle Dietrich

- Case No. EE-2017-0113, In the Matter of the Joint Application of Great Plains Energy Incorporated, Kansas City Power & Light Company and KCP&L Greater Missouri Operations Company for a Variance from the Commission's Affiliate Transactions Rule, 4 CSR 240-20.015.
- 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 345kV Transmission Line.
- Case No. EM-2017-0226, In the Matter of the Application of Great Plains Energy Incorporated for Approval of its Acquisition of Westar Energy, Inc.
- Actively participated in or prepared comments on numerous issues on behalf of the Commission to be filed at the Federal Communications Commission.
- Prepared congressional testimony on behalf of the Commission on number conservation efforts in Missouri.
- A principal author on Missouri Public Service Commission Comments on the Reduction of Carbon Emissions in Missouri under Section 111(d) of the Clean Air Act.
- A principal author on Missouri Public Service Commission Comments on the Environmental Protection Agency's "Emission Guidelines for Existing Stationary Sources: Electric Generating Unity".

Commission Arbitration Advisory Lead Staff for the following cases:

- Case No. TO-2005-0336, Southwestern Bell Telephone, L.P., d/b/a SBC Missouri's Petition for Compulsory Arbitration of Unresolved Issues For a Successor Interconnection Agreement to the Missouri 271 Agreement ("M2A").
- Case No. IO-2005-0468, In the Matter of the Petition of Alma Telephone Company for Arbitration of Unresolved Issues Pertaining to a Section 251(b)(5) Agreement with T-Mobile USA, Inc.
- Case No. TO-2006-0147 et al, In the Matter of the Petition for Arbitration of Unresolved Issues in a Section 251(b)(5) Agreement with T-Mobile USA, Inc and Cingular Wireless.
- Case No. TO-2006-0299, Petition of Socket Telecom, LLC for Compulsory Arbitration of Interconnection Agreements with CenturyTel of Missouri, LLC and Spectra Communications, LLC, pursuant to Section 251(b)(1) of the Telecommunications Act of 1996.
- Case No. TO-2006-0463, In the Matter of the Petition for Arbitration of Unresolved Issues in a Section 251(b)(5) Agreement with ALLTEL Wireless and Western Wireless.
- Case No. TO-2009-0037, In the Matter of the Petition of Charter Fiberlink-Missouri, LLC for Arbitration of an Interconnection Agreement Between CenturyTel of Missouri, LLC and Charter Fiberlink-Missouri, LLC.

Curt B. Gateley

I am a Utility Policy Analyst II in both the Energy Resource Department and the Water & Sewer Department, in the Commission Staff Division of the Missouri Public Service Commission. I have been employed by the Missouri Public Service Commission since July of 2014. In the Water & Sewer Department my primary duties are Case Coordinator for rate cases and transfer of assets cases, Rate Design, and Tariff Review. I also work on regulation development, and liaise with the Department of Natural Resources and the U.S. Environmental Protection Agency on technical issues. In the Energy Resources Department I assist with review of utility filings associated with the Missouri Energy Efficiency Investment Act, and rate adjustments under fuel adjustment clauses, as well as regulation development.

Educational Background and Work Experience

I have a Bachelor of Science degree in Fisheries and Wildlife from the University of Missouri-Columbia. Prior to joining the Public Service Commission I was employed by the Missouri Department of Natural Resources from 2000-2014, as an Environmental Specialist and a Unit Chief. During my time with the agency I worked in compliance and enforcement, industrial and domestic wastewater permits, industrial stormwater permits, and eventually oversaw a staff of eight Permit Writers. I have served as expert witness before the Administrative Hearing Commission in permit appeal cases, as well as expert witness in State and Federal enforcement cases.

Previous Testimony Before the Public Service Commission

Case No.	Company	Type of Filing	Issue
SR-2014-0153	Peaceful Valley	Live Testimony in Evidentiary Hearing	Compliance with Dept. of Natural Resources regulations
WR-2015-0301	Missouri American Water Company	Direct and Rebuttal Testimony	Class Cost of Service Report
SR-2016-0202	Raccoon Creek Utility Operating Company	Direct and Rebuttal Testimony	Rate Design and Tariff Review
WO-2017-0236	Ridge Creek Water Company LLC	Live testimony	Petition for Interim Receiver
WR-2017-0110	Terre Du Lac Utilities Corporation	Direct Testimony	Rate Design and Tariff Review

Robin Kliethermes

Present Position:

I am the Utility Regulatory Manager of the Tariff and Rate Design Unit, Operational Analysis Department, Commission Staff Division, of the Missouri Public Service Commission. I had this position since July 16th, 2016. I have been employed by the Missouri Public Service Commission since March of 2012. In May of 2013, I presented on Class Cost of Service and Cost Allocation to the National Agency for Energy Regulation of Moldova (ANRE) as part of the National Association of Regulatory Utility Commissioners (NARUC) Energy Regulatory Partnership Program. I also serve on the Electric Meter Variance Committee.

Educational Background and Work Experience:

I have a Bachelor of Science degree in Parks, Recreation and Tourism with a minor in Agricultural Economics from the University of Missouri – Columbia in 2008, and a Master of Science degree in Agricultural Economics from the same institution in 2010. Prior to joining the Commission, I was employed by the University of Missouri Extension as a 4-H Youth Development Specialist and County Program Director in Gasconade County.

Additionally, I completed two online classes through Bismarck State College: Energy Markets and Structures (ENRG 420) in December, 2014 and Energy Economics and Finance (ENRG 412) in May, 2015.

Previous Testimony of Robin Kliethermes

Case No.	Company	Type of Filing	Issue
ER-2012-0166	Ameren Missouri	Staff Report	Economic Considerations
ER-2012-0174	Kansas City Power & Light Company	Staff Report	Economic Considerations
ER-2012-0175	KCP&L Greater Missouri Operations Company	Staff Report	Economic Considerations & Large Power Revenues
ER-2012-0345	Empire District Electric Company	Staff Report	Economic Considerations, Non-Weather Sensitive Classes & Energy Efficiency
HR-2014-0066	Veolia Kansas City	Staff Report	Revenue by Class and Class Cost of Service
GR-2014-0086	Summit Natural Gas	Staff Report	Large Customer Revenues
GR-2014-0086	Summit Natural Gas	Rebuttal	Large Customer Revenues
EC-2014-0316	City of O'Fallon Missouri and City of Ballwin, Missouri v. Union Electric Company d/b/a Ameren Missouri	Staff Memorandum	Overview of Case
EO-2014-0151	KCP&L Greater Missouri Operations Company	Staff Recommendation	Renewable Energy Standard Rate Adjustment Mechanism (RESRAM)
ER-2014-0258	Ameren Missouri	Staff Report	Rate Revenue by Class, Class Cost of Service study, Residential Customer Charge
ER-2014-0258	Ameren Missouri	Rebuttal	Weather normalization adjustment to class billing units
ER-2014-0258	Ameren Missouri	Surrebuttal	Residential Customer Charge and Class allocations
ER-2014-0351	Empire District Electric Company	Staff Report	Rate Revenue by Class, Class Cost of Service study, Residential Customer Charge

cont'd Previous Testimony of
Robin Kliethermes

Case No.	Company	Type of Filing	Issue
ER-2014-0351	Empire District Electric Company	Rebuttal & Surrebuttal	Residential Customer, Interruptible Customers
ER-2014-0370	Kansas City Power & Light Company	Staff Report	Rate Revenue by Class, Class Cost of Service study, Residential Customer Charge
ER-2014-0370	Kansas City Power & Light Company	Rebuttal & Surrebuttal	Class Cost of Service, Rate Design, Residential Customer Charge
ER-2014-0370	Kansas City Power & Light Company	True-Up Direct & True-Up Rebuttal	Customer Growth & Rate Switching
EE-2015-0177	Kansas City Power & Light Company	Staff Recommendation	Electric Meter Variance Request
EE-2016-0090	Ameren Missouri	Staff Recommendation	Tariff Variance Request
EO-2016-0100	KCP&L Greater Missouri Operations Company	Staff Recommendation	RESRAM Annual Rate Adjustment Filing
ET-2016-0185	Kansas City Power & Light Company	Staff Recommendation	Solar Rebate Tariff Change
ER-2016-0023	Empire District Electric Company	Staff Report	Rate Revenue by Class, CCOS and Residential Customer Charge
ER-2016-0023	Empire District Electric Company	Rebuttal & Surrebuttal	Residential Customer Charge and CCOS
ER-2016-0156	KCP&L Greater Missouri Operations	Staff Report	Rate Revenue by Class, CCOS and Residential Customer Charge
ER-2016-0156	KCP&L Greater Missouri Operations	Rebuttal & Surrebuttal	Data Availability, Energy Efficiency Revenue Adj., Residential Customer Charge
ER-2016-0179	Ameren Missouri	Rebuttal	Blocked Usage
ER-2016-0285	Kansas City Power & Light Company	Rebuttal & Surrebuttal	Clean Charge Network Tariff, Rate Design

Educational and Employment Background and Credentials

of

Kathleen A. McNelis

I am currently employed as a Utility Regulatory Engineering Manager in the Commission Staff Division, Operational Analysis Department, Safety Engineering Unit, for the Missouri Public Service Commission (“Commission”). I was employed by the Commission in March 2008. I earned a Bachelor of Chemical Engineering degree from the Georgia Institute of Technology and a Master’s of Science in Metallurgical Engineering from the University of Missouri in Rolla (now the Missouri University of Science and Technology). I am a registered Professional Engineer (PE) in Missouri.

As a Utility Regulatory Engineering Manager, I manage the Safety Engineering Unit (SEU) which performs inspections of natural gas systems jurisdictional to Missouri for enforcement of Missouri pipeline safety regulations and investigation of incidents/accidents.

I am a member of the National Association of Pipeline Safety Representatives (NAPSR) and the National Association of Corrosion Engineers (NACE). I am a registered Professional Engineer (PE) in Missouri.

The following is a listing of cases before the Commission in which I have previously provided testimony or analysis through affidavits:

Company	Case Number	Filing Description	EFIS File Date
Grain Belt Express	EA-2016-0358	Staff Rebuttal Report and Testimony	01/24/2017
Roeslein Alternative Energy Services, LLC-Investor(Gas)	GA-2016-0271	Staff Recommendation	06/28/2016
Laclede Gas Company	GS-2016-0160	Staff Gas Incident Report	10/21/2016
Ameren Missouri	GS-2016-0159	Staff Gas Incident Report	05/31/2017
City Utilities of Springfield	GS-2004-0257	Status Reports	04/5/2016 01/6/2017
Missouri Gas Energy	GS-2011-0248	Staff Gas Incident Report	12/09/2011
Laclede Gas Company	GS-2009-0270	Staff Gas Incident Report	07/15/2009
Ameren Missouri	GR-2014-0061	Staff Recommendation	12/18/2014
Summit Natural Gas of Missouri	GR-2014-0096	Staff Recommendation	10/10/2014

cont'd Credentials
of
Kathleen A. McNelis

Company	Case Number	Filing Description	EFIS File Date
Laclede Gas Company	GR-2014-0121	Staff Recommendation	12/19/2014
Empire District Gas	GR-2014-0108	Staff Recommendation	12/18/2014
Summit Natural Gas of Missouri	GR-2014-0097	Staff Recommendation	10/10/2014
Ameren Missouri	GR-2014-0238	Staff Recommendation	06/16/2015
Summit Natural Gas	GR-2015-0101	Staff Recommendation	12/14/2015
Empire District Gas	GR-2015-0109	Staff Recommendation	12/16/2015
Laclede Gas Company	GR-2014-0231	Staff Recommendation	12/18/2015

Educational and Employment Background and Credentials

of

Derick A. Miles, P.E.

I received a Bachelor of Science degree, with honors, in Engineering Management (with a Civil Engineering emphasis) from Missouri University of Science and Technology (formerly known as the University of Missouri at Rolla). I received a Master of Science degree, with honors, in Engineering Management (with a Business Administration emphasis) from the same University. Since September 1997, I have been registered as an Engineer-In-Training in the State of Missouri. I obtained my Professional Engineering License in January 2011; licensee number 2011000926. I have a certification for Gas Distribution through the Gas Technology Institute of Des Plaines, Illinois.

I began employment with the Commission in April of 2007 as Utility Engineering Specialist within the Procurement Analysis Unit. I was promoted to a Utility Regulatory Engineer I in February of 2012 within the same unit. In September of 2013, I accepted a promotion to work as a Utility Regulatory Engineer II within the Engineering and Management Services Unit. I returned to the Procurement Analysis Unit in September, 2016 as a Utility Regulatory Engineer II. Prior to joining the Commission, I was employed by ABB, Inc. While employed with ABB I was an Assistant Production Manager for the manufacturing operations of three-phase electrical transformer assembly lines. I was employed as the Production Manager with MiTek Industries, Inc. where I was responsible for Plant Operations of the Wall Panel Division. Prior to that, I was employed by Square D Company as a Manufacturing Engineer in Columbia, Missouri and with Nordyne, Inc., in Boonville, MO, as a Quality Engineer and an Industrial Engineer. I previously taught Principles of Management and Decision Science for the Business Management Department of Columbia College in Columbia, Missouri and the satellite campus in Jefferson City.

The nature of my duties at the Commission has been to investigate and review natural gas reliability, peak day plans, and natural gas supply plans of the Missouri natural gas local distribution companies. I worked as a Utility Regulatory Engineer II within the Depreciation Engineering section of the Engineering and Management Services Unit, where I was responsible reviewing and conducting depreciation studies of Missouri investor-owned utilities and provide written reports and/or testimony of study findings. The following is a listing of cases before the Commission in which I have previously provided testimony or analysis through affidavits:

Company	Case Number	Case Type	Filing Description	Date Filed
Laclede Gas Company	GR-2015-0201	ACA/PGA	Staff Recommendation	12/16/2016
Kansas City Power & Light	ER-2016-0156	Rate Case	Rebuttal and Surrebuttal Testimony	8/15/2016
Missouri American Water Company	WA-2016-0054	CCN	Company/Staff Disposition Agreement	12/9/2015
Kansas City Power & Light	ER-2014-0370	Rate Case	Staff Report & Rebuttal Testimony	4/3/2015
Branson Cedars Resort Utility Co.	WA-2015-0049	CCN	Staff Recommendation	3/31/2015

Educational and Employment Background and Credentials

of

Derick A. Miles, P.E.

Company	Case Number	Case Type	Filing Description	Date Filed
Seges Partners Mobile Home Park	SR-2015-0106	Rate Case	Company/Staff Disposition Agreement	3/27/2015
Spokane Highlands Water Company	WR-2015-0104	Rate Case	Company/Staff Disposition Agreement	3/12/2015
Hickory Hills Water & Sewer Co.	SR-2014-0166	Rate Case	Company/Staff Disposition Agreement	7/7/2014
Hickory Hills Water & Sewer Co.	WR-2014-0167	Rate Case	Company/Staff Disposition Agreement	7/7/2014
Ameren Missouri	EO-2014-0296	Sell/Transfer Assets	Staff Recommendation	6/30/2014
Empire District Gas Company	GR-2013-0250	ACA/PGA	Staff Recommendation	12/18/2013
Liberty Midstates	GR-2012-0129	ACA/PGA	Staff Recommendation	10/4/2013
Summit Utilities - MGU Division	GR-2013-0257	ACA/PGA	Staff Recommendation	7/24/2013
Summit Utilities - SMNG Division	GR-2013-0256	ACA/PGA	Staff Recommendation	6/6/2013
Summit Utilities	GA-2013-0404	CCN	Staff Recommendation	4/18/2013
Ameren Missouri	GR-2012-0077	ACA/PGA	Staff Recommendation	12/21/2012
Atmos Energy Corporation	GR-2011-0161	ACA/PGA	Staff Recommendation	12/21/2012
Empire District Gas Company	GR-2012-0124	ACA/PGA	Staff Recommendation	12/12/2012
Ameren Missouri	GR-2010-0180	ACA/PGA	Staff Recommendation	10/19/2012
Missouri Gas Utility	GR-2012-0115	ACA/PGA	Staff Recommendation	8/30/2012
Empire District Gas Company	GR-2011-0108	ACA/PGA	Staff Recommendation	12/30/2011
Atmos Energy Corporation	GR-2010-0238	ACA/PGA	Staff Recommendation	12/22/2011
Ameren Missouri	GA-2012-0096	CCN	Stipulation and Agreement	12/14/2011
Empire District Gas Company	GA-2012-0111	CCN	Staff Recommendation	11/21/2011
Missouri Gas Utility	GR-2011-0117	ACA/PGA	Staff Recommendation	4/6/2011
Atmos Energy Corporation	GR-2009-0417	ACA/PGA	Staff Recommendation	12/30/2010
Empire District Gas Company	GR-2009-0397	ACA/PGA	Staff Recommendation	12/30/2010

Educational and Employment Background and Credentials

of

Derick A. Miles, P.E.

Company	Case Number	Case Type	Filing Description	Date Filed
Ameren Missouri	GR-2009-0337	ACA/PGA	Staff Recommendation	12/20/2010
Missouri Gas Utility	GR-2009-0306	ACA/PGA	Staff Recommendation	3/17/2010
Missouri Gas Utility	GA-2010-0189	CCN	Staff Recommendation	2/5/2010
Empire District Gas Company	GR-2008-0368	ACA/PGA	Staff Recommendation	12/30/2009
Ameren UE	GR-2008-0366	ACA/PGA	Staff Recommendation	12/29/2009
Atmos Energy Corporation	GR-2008-0364	ACA/PGA	Staff Recommendation	12/28/2009
Missouri Gas Utility	GA-2010-0012	CCN	Staff Recommendation	10/9/2009
Missouri Gas Utility	GR-2009-0161	ACA/PGA	Staff Recommendation	5/5/2009
Missouri Gas Utility	GA-2009-0264	CCN	Staff Recommendation	3/31/2009
Empire District Gas Company	GR-2008-0123	ACA/PGA	Staff Recommendation	12/31/2008
Atmos Energy Corporation	GR-2007-0403	ACA/PGA	Staff Recommendation	12/29/2008
Ameren UE	GR-2008-0107	ACA/PGA	Staff Recommendation	12/15/2008
Missouri Gas Utility	GR-2008-0136	ACA/PGA	Staff Recommendation	7/14/2008
Missouri Gas Utility	GA-2008-0321	CCN	Staff Recommendation	6/5/2008
Missouri Gas Utility	GA-2008-0322	CCN	Staff Recommendation	6/5/2008
Missouri Gas Utility	GA-2008-0348	CCN	Staff Recommendation	6/5/2008
Atmos Energy Corporation	GR-2006-0300	ACA/PGA	Staff Recommendation	12/31/2007
Empire/Aquila-MPS/L&P	GR-2006-0297	ACA/PGA	Staff Recommendation	12/17/2007
Ameren UE	GR-2006-0333	ACA/PGA	Staff Recommendation	9/21/2007

Jarrold J. Robertson

As a Utility Policy Analyst I, with the Water and Sewer Department of the Commission Staff Division my core duties revolve around being a Case Manager for Small Company Rate Cases filed with the Commission. These duties include, but are not limited to: setting up the case Activities Timeline; authoring Customer Notice(s); coordinating meetings and correspondence between Staff, Office of the Public Counsel (“OPC”), and the utilities; disseminating information between Staff, OPC and the utilities; reviewing and if necessary, revising utilities’ tariff(s), as well as performing rate design.

Educational Background and Work Experience

Prior to starting at the Commission, in July of 2015, I worked as an Environmental Specialist at the Missouri Department of Natural Resources (DNR) for both the Hazardous and Solid Waste Management Programs, from October 2008 – July 2015. I worked for the University of Missouri, Columbia as a Research Specialist from 1998 – October 2008, in the Agronomy, Animal Science and Biochemistry Departments, respectively.

While at DNR, as Project Manager in both the Hazardous and Solid Waste Management Programs, I analyzed data related to the release/spill of gasoline/petroleum, such as Light Non-Aqueous Phase Liquids (LNAPL) and Non-Aqueous Phase Liquids (NAPL), at Underground/Aboveground Storage Tanks and violations which occurred at Permitted Landfills and Infectious Waste Disposal, respectfully. The data analysis involved volatile and non-volatile chemical concentration(s), their toxic; carcinogenic; flammability and other health hazards and the subsequent “desired” remedial levels of said chemicals. While with the Hazardous Waste Management Program, I also performed qualitative data analysis of concentration vs time and/or distance and point by point analysis using both the Mann-Kendall and Linear Regression statistical methods.

While at the University of Missouri, I analyzed data as it relates to the genetic and biological study/manipulation of various organisms: maize (corn); bovine and bacteria. I worked on the “Maize Project,” mapping the genetic structure of corn, using Simple Sequence Repeat (SSR) DNA Marker Technique; studied heat stress in bovine using microarray analysis; and in conjunction with the Department of Energy, I created mutagenic strains of bacteria by deletion of a single gene or an operon (a cluster of genes) combined with cloning sequence(s) and amplification by way of a Poly Chain Reaction (PCR), to study the bacteria’s possible uses in the natural breakdown of Uranium, as well as a possible alternative energy source due to the bacteria’s ability to break down, and reduce sulfate into energy for mobility; in the Agronomy, Animal Science and Biochemistry Departments, respectively.

Previous Testimony Before the Public Service Commission

Case Number	Company	Type of Filing	Issue
WR-2016-0064	Hillcrest Utility Operating Company, Inc.	Direct, Rebuttal, and Live Testimony	Rate Design

Joseph P. Roling

Present Position:

I am a Regulatory Economist in the Tariff and Rate Design Unit, Operational Analysis Department, Commission Staff Division, of the Missouri Public Service Commission. I have been employed by the Missouri Public Service Commission since March of 2016.

Educational Background and Work Experience:

I have a Bachelor of Science degree in Business Administration, Finance & Banking with a minor in Economics from the University of Missouri – Columbia in 1991, and a Master of Business Administration from Lincoln University in 1995. Prior to joining the Commission, I was employed in the Financial Service Industry.

Additionally, I completed Financial Planning Certificate Program from Bryant University in October, 2015.

Regulatory Training while at PSC:

5/19/16 – Carbon Markets 101 – Keys to Effective Design & Management

6/27/16 – Evaluation, Measurement & Verification (EM&V) for Energy Efficiency

6/29/16 – Long Term Gas Hedging Why and How

7/2/16 – Setting Baselines for Planning & Evaluation of Efficiency Programs EMV

8/25/16 - Leveraging Power Markets to Achieve a Reliable, Least-Cost Transition to a Low-Carbon Power System Regulatory Assistance Project

9/21/16 – FRI Symposium Attendance - “Managing the Triple Threat to Public Utility Profitability: Safety, Reliability & Affordability.”

10/13/16 - Gas Efficiency Programs – What does it take to pass cost-effectiveness tests?

11/3/16 - More is Less - Environmentally Beneficial Electrification

Joseph P. Roling

cont'd Regulatory Training while at PSC:

01-17-17 Harness the Momentum of Power Sector Transformation - Regulatory Assistance Project (RAP) Webinar

01-25-17 New Study on Demand Charge Savings from Residential Solar – Electric Markets & Policy Group, Lawrence Berkeley National Laboratory.

01-31-17 Energy Efficiency - Consistency and Coordination of Energy Efficiency EM&V and Reporting

02-21-17 Assessment of Benefits Derived from Improved Reliability & Resiliency in Utility-owned Microgrid

03-01-17 Flexible & Customizable – Designing Decoupling for your State Regulatory Assistance Project

03-23-17 Part 1 Lessons Learned from Energy Efficiency Programs

03-30-17 Part 2 Lessons Learned from Energy Efficiency Programs

Previous filed Testimony of Joseph P. Roling

Case No.	Company	Type of Filing	Issue
GR-2017-0215 and GR-2017-0216	Spire Missouri, Inc., d/b/a Spire (Laclede Gas Company and Missouri Gas Energy)	Cost of Service Report	Revenues
ER-2016-0179	Ameren Missouri	Cost of Service / Revenue Requirement Report	Revenues

David M. Sommerer
Manager Procurement Analysis Unit
Commission Staff Division, Operational Analysis Department

Educational Background and Work Experience

In May 1983, I received a Bachelor of Science degree in Business and Administration with a major in Accounting from Southern Illinois University at Carbondale, Illinois. In May 1984, I received a Master of Accountancy degree from the same university. Also, in May 1984, I sat for and passed the Uniform Certified Public Accountants examination. I am currently a licensed CPA in Missouri. Upon graduation, I accepted employment with the Commission.

From 1984 to 1990 I assisted with audits and examinations of the books and records of public utilities operating within the state of Missouri. In 1988, the responsibility for conducting the Actual Cost Adjustment (ACA) audits of natural gas utilities was given to the Accounting Department. I assumed responsibility for planning and implementing these audits and trained available Staff on the requirements and conduct of the audits. I participated in most of the ACA audits from early 1988 to early 1990. On November 1, 1990, I transferred to the Commission's Energy Department. Until November of 1993, my duties consisted of reviews of various tariff proposals by electric and gas utilities, Purchased Gas Adjustment (PGA) reviews, and tariff reviews as part of a rate case. In November of 1993, I assumed my present duties of managing a newly created department called the Procurement Analysis Department (now known as the Procurement Analysis Unit). This Department was created to more fully address the emerging changes in the gas industry especially as they impacted the utilities' recovery of gas costs. My duties have included managing the Procurement Analysis staff, reviewing ACA audits and recommendations, participating in the gas integrated resource planning project, serving on the gas project team, serving on the natural gas commodity price task force, and participating in matters relating to natural gas service in the state of Missouri. In July of 2006, the Federal Issues/Policy Analysis Section was transferred to the Procurement Analysis Unit. That group analyzes filings made before the Federal Energy Regulatory Commission (FERC). During the reorganization in August 2011, the Federal Issues/Policy Analysis Section was transferred to the Secretary/ General Counsel Division. In 2015, I assumed the responsibility for the rate design aspects of the Gas Infrastructure System Replacement Surcharge (ISRS) process. The Gas ISRS allows for a more expedited process of including eligible pipeline replacements in rates prior to general rate cases.

**CASES WHERE TESTIMONY
WAS FILED
DAVID M. SOMMERER**

COMPANY	CASE NO.	ISSUES
Spire Missouri, Inc., d/b/a Spire (Laclede Gas Company & Missouri Gas Energy)	GR-2017-0215 and GR-2017-0216	Stored Gas Inventory
Laclede Gas Company	GO-2016-0333	ISRS rates
Missouri Gas Energy	GO-2016-0332	ISRS rates
Laclede Gas Company (MGE)	GO-2016-0197	ISRS rates
Laclede Gas Company	GO-2016-0196	ISRS rates
Liberty Utilities (Midstates Natural Gas) Corp d/b/a Liberty Utilities	GR-2014-0152	Special Contact Customers Gas Contract
Missouri Gas Energy	GR-2014-0007	Gas Supply Incentive Plan Property Tax PGA Recovery
Laclede Gas Company	GR-2010-0171	Bad Debt in PGA, CAM
Atmos Energy Corporation	GR-2009-0417	Affiliated Transactions
Atmos Energy Corporation	GR-2008-0364	Affiliated Transactions
Missouri Gas Energy	GR-2009-0355	PGA tariff
Laclede Gas Company	GT-2009-0026	Tariff Proposal, ACA Process
Missouri Gas Utility	GR-2008-0060	Carrying Costs
Laclede Gas Company	GR-2007-0208	Gas Supply Incentive Plan, Off-system Sales, Capacity Release
Laclede Gas Company	GR-2005-0284	Off-System Sales/GSIP
Laclede Gas Company	GR-2004-0273	Demand Charges
AmerenUE	EO-2004-0108	Transfer of Gas Services
Aquila, Inc.	EF-2003-0465	PGA Process, Deferred Gas Cost

COMPANY	CASE NO.	ISSUES
Missouri Gas Energy	GM-2003-0238	Pipeline Discounts, Gas Supply
Laclede Gas Company	GT-2003-0117	Low-Income Program
Laclede Gas Company	GR-2002-356	Inventory, Off-System Sales
Laclede Gas Company	GR-2001-629	Inventory, Off-System Sales
Laclede Gas Company	GR-2001-387	ACA Price Stabilization
Missouri Gas Energy	GR-2001-382	ACA Hedging/Capacity Release
Laclede Gas Company	GT-2001-329	Incentive Plan
Laclede Gas Company	GO-2000-394	Price Stabilization
Laclede Gas Company	GT-99-303	Incentive Plan
Laclede Gas Company	GC-99-121	Complaint PGA
Laclede Gas Company	GR-98-297	ACA Gas Cost
Laclede Gas Company	GO-98-484	Price Stabilization
Laclede Gas Company	GR-98-374	PGA Clause
Missouri Gas Energy	GC-98-335	Complaint Gas Costs
United Cities Gas Company	GO-97-410	PGA Clause
Missouri Gas Energy	GO-97-409	PGA Clause
Missouri Gas Energy	GR-96-450	ACA Gas Costs
Missouri Public Service	GA-95-216	Cost of Gas
Missouri Gas Energy	GO-94-318	Incentive Plan
Western Resources Inc.	GR-93-240	PGA tariff, Billing Adjustments
Union Electric Company	GR-93-106	ACA Gas Costs
United Cities Gas Company	GR-93-47	PGA tariff, Billing Adjustments

COMPANY	CASE NO.	ISSUES
Laclede Gas Company	GR-92-165	PGA tariff
United Cities Gas Company	GR-91-249	PGA tariff
United Cities Gas Company	GR-90-233	PGA tariff
Associated Natural Gas Company	GR-90-152	Payroll
KPL Gas Service Company	GR-90-50	Service Line Replacement
KPL Gas Service Company	GR-90-16	ACA Gas Costs
KPL Gas Service Company	GR-89-48	ACA Gas Costs
Great River Gas Company	GM-87-65	Lease Application
Grand River Mutual Tel. Company	TR-87-25	Plant, Revenues
Empire District Electric Company	WR-86-151	Revenues
Associated Natural Gas Company	GR-86-86	Revenues, Gas Cost
Grand River Mutual Telephone	TR-85-242	Cash Working Capital
Great River Gas Company	GR-85-136	Payroll, Working Capital
Missouri-American Water Company	WR-85-16	Payroll

Michael L. Stahlman

Education

- 2009 M. S., Agricultural Economics, University of Missouri, Columbia.
2007 B.A., Economics, Summa Cum Laude, Westminster College, Fulton, MO.

Professional Experience

- 2010 - Regulatory Economist, Missouri Public Service Commission
2007 – 2009 Graduate Research Assistant, University of Missouri
2008 Graduate Teaching Assistant, University of Missouri
2007 American Institute for Economic Research (AIER) Summer Fellowship Program
2006 Price Analysis Intern, Food and Agricultural Policy Research Institute (FAPRI), Columbia, MO
2006 Legislative Intern for State Representative Munzlinger
2005 – 2006 Certified Tutor in Macroeconomics, Westminster College, Fulton, MO
1998 – 2004 Engineering Watch Supervisor, United States Navy

Expert Witness Testimony

- Union Electric Company d/b/a AmerenUE GR-2010-0363
In the Matter of Union Electric Company d/b/a AmerenUE for Authority to File Tariffs Increasing Rates for Natural Gas Service Provided to Customers in the Company's Missouri Service Area
- Union Electric Company d/b/a Ameren Missouri GT-2011-0410
In the Matter of the Union Electric Company's (d/b/a Ameren Missouri) Gas Service Tariffs Removing Certain Provisions for Rebates from Its Missouri Energy Efficient Natural Gas Equipment and Building Shell Measure Rebate Program
- KCP&L Great Missouri Operations Company EO-2012-0009
In the Matter of KCP&L Greater Missouri Operations Company's Notice of Intent to File an Application for Authority to Establish a Demand-Side Programs Investment Mechanism
- Union Electric Company d/b/a Ameren Missouri EO-2012-0142
In the Matter of Union Electric Company d/b/a Ameren Missouri's Filing to Implement Regulatory Changes Furtherance of Energy Efficiency as Allowed by MEEIA
- Kansas City Power & Light Company EO-2012-0323
In the Matter of the Resource Plan of Kansas City Power & Light Company
- KCP&L Great Missouri Operations Company EO-2012-0324
In the Matter of the Resource Plan of KCP&L Greater Missouri Operations Company
- Kansas City Power & Light Company, KCP&L Great Missouri Operations Company, and Transource Missouri EA-2013-0098
EO-2012-0367
In the Matter of the Application of Transource Missouri, LLC for a Certificate of Convenience and Necessity Authorizing it to Construct, Finance, Own, Operate, and Maintain the Iatan-Nashua and Sibley-Nebraska City Electric Transmission Projects

Michael L. Stahlman

cont'd Expert Witness Testimony

- Kansas City Power & Light Company EO-2012-0135
KCP&L Great Missouri Operations Company EO-2012-0136
In the Matter of the Application of Kansas City Power & Light Company [KCP&L Great Missouri Operations Company] for Authority to Extend the Transfer of Functional Control of Certain Transmission Assets to the Southwest Power Pool, Inc.
- Kansas City Power & Light Company EU-2014-0077
KCP&L Great Missouri Operations Company
In the Matter of the Application of Kansas City Power & Light Company and KCP&L Greater Missouri Operations Company for the Issuance of an Accounting Authority Order relating to their Electrical Operations and for a Contingent Waiver of the Notice Requirement of 4 CSR 240-4.020(2)
- Kansas City Power & Light Company EO-2014-0095
In the Matter of Kansas City Power & Light Company's Notice of Intent to File an Application for Authority To Establish a Demand-Side Programs Investment Mechanism
- Veolia Energy Kansas City, Inc. HR-2014-0066
In the Matter of Veolia Energy Kansas City, Inc for Authority to File Tariffs to Increase Rates
- Grain Belt Express Clean Line, LLC EA-2014-0207
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
- Union Electric Company d/b/a Ameren Missouri ER-2014-0258
In the Matter of Union Electric Company d/b/a Ameren Missouri's Tariff to Increase Its Revenues for Electric Service
- Empire District Electric Company ER-2014-0351
In the Matter of The Empire District Electric Company for Authority to File Tariffs Increasing Rates for Electric Service Provided to Customers in the Company's Missouri Service Area
- Kansas City Power & Light Company ER-2014-0370
In the Matter of Kansas City Power & Light Company's Request for Authority to Implement a General Rate Increase for Electric Service
- Kansas City Power & Light Company EO-2014-0240
In the Matter of Kansas City Power & Light Company's Filing for Approval of Demand-Side Programs and for Authority to Establish a Demand-Side Programs Investment Mechanism
- KCP&L Great Missouri Operations Company EO-2014-0241
In the Matter of KCP&L Greater Missouri Operations Company's Filing for Approval of Demand-Side Programs and for Authority to Establish a Demand-Side Programs Investment Mechanism

Michael L. Stahlman

cont'd Expert Witness Testimony

- Ameren Transmission Company of Illinois EA-2015-0146
In the Matter of the Application of Ameren Transmission Company of Illinois for Other Relief or, in the Alternative, a Certificate of Public Convenience and Necessity Authorizing it to Construct, Install, Own, Operate, Maintain and Otherwise Control and Manage a 345,000-volt Electric Transmission Line from Palmyra, Missouri to the Iowa Border and an Associated Substation Near Kirksville, Missouri
- Empire District Electric Company ER-2016-0023
In the Matter of The Empire District Electric Company's Request for Authority to Implement a General Rate Increase for Electric Service
- KCP&L Great Missouri Operations Company ER-2016-0156
In the Matter of KCP&L Greater Missouri Operations Company's Request for Authority to Implement a General Rate Increase for Electric Service
- Kansas City Power & Light Company ER-2016-0285
In the Matter of Kansas City Power & Light Company's Request for Authority to Implement A General Rate Increase for Electric Service
- Union Electric Company d/b/a Ameren Missouri ER-2016-0179
In the Matter of Union Electric Company d/b/a Ameren Missouri's Tariff to Increase Its Revenues for Electric Service
- Grain Belt Express Clean Line, LLC 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 345kV transmission line.

Selected Manuscripts

- Stahlman, Michael and Laura M.J. McCann. "Technology Characteristics, Choice Architecture and Farmer Knowledge: The Case of Phytase." *Agriculture and Human Values* (2012) 29: 371-379.
- Stahlman, Michael. "The Amoralism of Signals." Awarded in top 50 authors for SEVEN Fund essay competition, "The Morality of Profit."

Selected Posters

- Stahlman, Michael, Laura M.J. McCann, and Haluk Gedikoglou. "Adoption of Phytase by Livestock Farmers." Selected poster at the American Agricultural Economics Association Annual Meeting, Orlando, FL, July 27-29, 2008. Also presented at the USDA/CSREES Annual Meeting in St. Louis, MO in February 2009.
- McCann, Laura, Haluk Gedikoglou, Bob Broz, John Lory, Ray Massey, and Michael Stahlman. "Farm Size and Adoption of BMPs by AFOs." Selected poster at the 5th National Small Farm Conference in Springfield, IL in September 2009.