CASE PARTICPATION OF GEOFF MARKE, PH.D.

Company Name	Employed Agency	Case Number	Issues
Empire District Electric	Office of Public	ER-2019-0374	Direct: Cost of Service, Stranded Asset,
Company	Counsel (OPC		AMI/CIS deployment
Union Electric Company d/b/a Ameren Missouri	OPC	EA-2019-0371	Rebuttal: Solar + Storage
Union Electric Company d/b/a Ameren Missouri	OPC	ER-2019-0335	Direct: Keeping Current Bill Assistance Program
Rule Making	OPC	AW-2020-0148	Memorandum: Residential Customer Disconnections and Data Standardization
Empire District Electric Company /Kansas City Power & Light & KCP&L Greater Missouri Operations Company/Union Electric Company d/b/a Ameren Missouri	OPC	EO-2020-0047 EO-2020-0046 EO-2020-0045 EO-2020-0044	Memorandum: Additive Manufacturing, Cement Block Battery Storage, Virtual Power Plant, Customer-Side Renewable Generation, Historical Review of energy forecasts (KCPL, GMO and Empire-Specific) and Rush Island and Labadie Power Plant Environmental Retrofits (Ameren specific)
Union Electric Company d/b/a Ameren Missouri	OPC	EA-2019-0309	Rebuttal: Need for the Wind Project/ Economic Valuation / Pre-Site Energy Assessment Omissions
KCP&L Greater Missouri Operations Company & Kansas City Power and Light Company	OPC	EO-2019-0132	Rebuttal: Response to KCPL's MEEIA application, Equitable Energy Efficiency Baseline, WattTime: Automated Emissions Reduction, PAYS, Urban Heat Island Mitigation Surrebuttal: Market Potential Study, Single Family Low-Income
KCP&L Greater Missouri Operations Company	OPC	EC-2019-0200	Surrebuttal: Deferral Accounting and Stranded Assets
Union Electric Company d/b/a Ameren Missouri	OPC	ED-2019-0309	Memorandum: on the "Aluminum Smelter Rate"
KCP&L Greater Missouri Operations Company	OPC	EO-2019-0067	Rebuttal: Renewable Energy Credits
Union Electric Company d/b/a Ameren Missouri	OPC	EO-2019-0314	Memorandum: Notice of Deficiency to Annual IRP Update
Rule Making	OPC	WX-2019-0380	Memorandum: on Affiliate Transaction Rules for Water Corporations
Working Case: Evaluate Potential Mechanisms for Facilitating Installation of Electric Vehicle Charging Stations	OPC	EW-2019-0229	Memorandum: on Policy Surrounding Electric Vehicles and Electric Vehicle Charging Stations

Rule Making	OPC	EX-2019-0050	Memorandum on Solar Rebates and Low Income Customers
Union Electric Company d/b/a Ameren Missouri	OPC	GR-2019-0077	Direct: Billing Practices Rebuttal : Rate Design, Decoupling, Energy Efficiency, Weatherization, CHP
Empire District Electric Company	OPC	EA-2019-0010	Rebuttal: Levelized Cost of Energy, Wind in the Southwest Power Pool Surrebuttal: SPP Market Conditions, Property Taxes, Customer Protections
Empire District Electric Company /Kansas City Power & Light & KCP&L Greater Missouri Operations Company/Union Electric Company d/b/a Ameren Missouri	OPC	EO-2019-0066 EO-2019-0065 EO-2019-0064 EO-2019-0063	Memorandum: Additive Manufacturing and Cement Block Battery Storage (IRP: Special Contemporary Topics)
Working Case: Allocation of Solar Rebates from SB 564	OPC	EW-2019-0002	Memorandum on Solar Rebates and Low Income Customers
Rule Making Workshop	OPC	AW-2018-0393	Memorandum: Supplemental Response to Staff Questions pertaining to Rules Governing the Use of Customer Information
Union Electric Company d/b/a Ameren Missouri	OPC	ET-2018-0132	Rebuttal: Line Extension / Charge Ahead – Business Solutions / Charge Ahead – Electric Vehicle Infrastructure Supplemental Rebuttal: EV Adoption Performance Base Metric
Union Electric Company d/b/a Ameren Missouri	OPC	EO-2018-0211	Rebuttal: MEEIA Cycle III Application Surrebuttal: Cost Effectiveness Tests / Equitable Energy Efficiency Baseline
Union Electric Company d/b/a Ameren Missouri	OPC	EA-2018-0202	Rebuttal: Renewable Energy Standard Rate Adjustment Mechanism/Conservation Surrebuttal: Endangered and Protected Species
Kansas City Power & Light & KCP&L Greater Missouri Operations Company	OPC	ER-2018-0145 ER-2018-0146	Direct: Smart Grid Data Privacy Protections Rebuttal: Clean Charge Network / Community Solar / Low Income Community Solar / PAYS/ Weatherization/Economic Relief Pilot Program/Economic Development Rider/Customer Information System and Billing Rebuttal: TOU Rates / IBR Rates / Customer Charge / Restoration Charge Surrebuttal: KCPL-GMO Consolidation / Demand Response / Clean Charge Network /

			One CIS: Privacy, TOU Rates, Billing &
			Customer Experience
Union Electric Company d/b/a Ameren Missouri	OPC	ET-2018-0063	Rebuttal: Green Tariff
Liberty Utilities	OPC	GR-2018-0013	Surrebuttal: Decoupling
Empire District Electric Company	OPC	EO-2018-0092	Rebuttal: Overview of proposal/ MO PSC regulatory activity / Federal Regulatory Activity / SPP Activity and Modeling / Ancillary Considerations Surrebuttal Response to parties Affidavit in opposition to the non- unanimous stipulation and agreement
Great Plains Energy Incorporated, Kansas City Power & Light Company, KCP&L Greater Missouri Operations Company, and Westar Energy, Inc.	OPC	EM-2018-0012	Rebuttal: Merger Commitments and Conditions / Outstanding Concerns
Missouri American Water	OPC	WR-2017-0285	Direct: Future Test Year/ Cost Allocation Manual and Affiliate Transaction Rules for Large Water Utilities / Lead Line Replacement Direct: Rate Design / Cost Allocation of Lead Line Replacement Rebuttal: Lead Line Replacement / Future Test Year/ Decoupling / Residential Usage / Public-Private Coordination Rebuttal: Rate Design Surrebuttal: Affiliate Transaction Rules / Decoupling / Inclining Block Rates / Future Test Year / Single Tariff Pricing / Lead Line Replacement
Missouri Gas Energy / Laclede Gas Company	OPC	GR-2017-0216 GR-2017-0215	Rebuttal: Decoupling / Rate Design / Customer Confidentiality / Line Extension in Unserved and Underserved Areas / Economic Development Rider & Special Contracts Surrebuttal: Pay for Performance / Alagasco & EnergySouth Savings / Decoupling / Rate Design / Energy Efficiency / Economic Development Rider: Combined Heat & Power
Indian Hills Utility	OPC	WR-2017-0259	Direct: Rate Design
Rule Making	OPC	EW-2018-0078	Memorandum: Cogeneration and net metering - Disclaimer Language regarding rooftop solar

Empire District Electric Company	OPC	EO-2018-0048	Memorandum: Integrated Resource Planning: Special Contemporary Topics Comments
Kansas City Power & Light	OPC	EO-2018-0046	Memorandum: Integrated Resource Planning: Special Contemporary Topics Comments
KCP&L Greater Missouri Operations Company	OPC	EO-2018-0045	Memorandum: Integrated Resource Planning: Special Contemporary Topics Comments
Missouri American Water	OPC	WU-2017-0296	Direct: Lead line replacement pilot program Rebuttal: Lead line replacement pilot program Surrebuttal: Lead line replacement pilot program
KCP&L Greater Missouri Operations Company	OPC	EO-2017-0230	Memorandum on Integrated Resource Plan, preferred plan update
Working Case: Emerging Issues in Utility Regulation	OPC	EW-2017-0245	Memorandum on Emerging Issues in Utility Regulation / Presentation: Inclining Block Rate Design Considerations Presentation: Missouri Integrated Resource Planning: And the search for the "preferred plan." Memorandum: Draft Rule 4 CSR 240-22.055 DER Resource Planning
Rule Making	OPC	EX-2016-0334	Memorandum on Missouri Energy Efficiency Investment Act Rule Revisions
Great Plains Energy Incorporated, Kansas City Power & Light Company, KCP&L Greater Missouri Operations Company, and Westar Energy, Inc.	OPC	EE-2017-0113 / EM-2017-0226	Direct : Employment within Missouri / Independent Third Party Management Audits / Corporate Social Responsibility
Union Electric Company d/b/a Ameren Missouri	OPC	ET-2016-0246	Rebuttal: EV Charging Station Policy Surrebuttal: EV Charging Station Policy
Kansas City Power & Light		ER-2016-0156	Direct: Consumer Disclaimer Direct: Response to Commission Directed Questions Rebuttal: Customer Experience / Greenwood Solar Facility / Dues and Donations / Electric Vehicle Charging Stations Rebuttal: Class Cost of Service / Rate Design Surrebuttal: Clean Charge Network / Economic Relief Pilot Program / EEI Dues / EPRI Dues

Union Electric Company d/b/a Ameren Missouri	OPC	ER-2016-0179	Direct: Consumer Disclaimer / Transparent Billing Practices / MEEIA Low-Income Exemption Direct: Rate Design Rebuttal: Low-Income Programs / Advertising / EEI Dues Rebuttal: Grid-Access Charge / Inclining Block Rates /Economic Development Riders
KCP&L Greater Missouri Operations Company	OPC	ER-2016-0156	Direct: Consumer Disclaimer Rebuttal: Regulatory Policy / Customer Experience / Historical & Projected Customer Usage / Rate Design / Low-Income Programs Surrebuttal: Rate Design / MEEIA Annualization / Customer Disclaimer / Greenwood Solar Facility / RESRAM / Low- Income Programs
Empire District Electric Company, Empire District Gas Company, Liberty Utilities (Central) Company, Liberty Sub- Corp.	OPC	EM-2016-0213	Rebuttal: Response to Merger Impact Surrebuttal: Resource Portfolio / Transition Plan
Working Case: Polices to Improve Electric Regulation	OPC	EW-2016-0313	Memorandum on Performance-Based and Formula Rate Design
Working Case: Electric Vehicle Charging Facilities	OPC	EW-2016-0123	Memorandum on Policy Considerations of EV stations in rate base
Empire District Electric Company	OPC	ER-2016-0023	Rebuttal: Rate Design, Demand-Side Management, Low-Income Weatherization Surrebuttal: Demand-Side Management, Low-Income Weatherization, Monthly Bill Average
Missouri American Water	OPC	WR-2015-0301	Direct: Consolidated Tariff Pricing / Rate Design Study Rebuttal: District Consolidation/Rate Design/Residential Usage/Decoupling Rebuttal: Demand-Side Management (DSM)/ Supply-Side Management (SSM) Surrebuttal: District Consolidation/Decoupling Mechanism/Residential Usage/SSM/DSM/Special Contracts

Working Case: Decoupling Mechanism	OPC	AW-2015-0282	Memorandum: Response to Comments
Rule Making	OPC	EW-2015-0105	Missouri Energy Efficiency Investment Act
Union Electric Company	OPC	EO-2015-0084	Rule Revisions, Comments Triennial Integrated Resource Planning
d/b/a Ameren Missouri	OFC	20-2013-0084	Comments
Union Electric Company	OPC	EO-2015-0055	Rebuttal: Demand-Side Investment
d/b/a Ameren Missouri	ore	LO-2013-0033	Mechanism / MEEIA Cycle II Application
			Surrebuttal: Potential Study / Overearnings /
			Program Design
			Supplemental Direct: Third-party mediator
			(Delphi Panel) / Performance Incentive
			Supplemental Rebuttal: Select Differences
			between Stipulations
			Rebuttal: Pre-Pay Billing
The Empire District	OPC	EO-2015-0042	Integrated Resource Planning: Special
Electric Company			Contemporary Topics Comments
KCP&L Greater Missouri	OPC	EO-2015-0041	Integrated Resource Planning: Special
Operations Company			Contemporary Topics Comments
Kansas City Power &	OPC	EO-2015-0040	Integrated Resource Planning: Special
Light			Contemporary Topics Comments
Union Electric Company	OPC	EO-2015-0039	Integrated Resource Planning: Special
d/b/a Ameren Missouri			Contemporary Topics Comments
Union Electric Company	OPC	EO-2015-0029	Ameren MEEIA Cycle I Prudence Review
d/b/a Ameren Missouri			Comments
Kansas City Power &	OPC	ER-2014-0370	Direct (Revenue Requirement):
Light			Solar Rebates
			Rebuttal: Rate Design / Low-Income
			Weatherization / Solar Rebates
			Surrebuttal: Economic Considerations / Rate
			Design / Cyber Security Tracker
Rule Making	OPC	EX-2014-0352	Memorandum Net Metering and Renewable
	0.00	ED 2014 0254	Energy Standard Rule Revisions,
The Empire District	OPC	ER-2014-0351	Rebuttal: Rate Design/Energy Efficiency and
Electric Company	0.00	414/ 2014 0220	Low-Income Considerations
Rule Making	OPC	AW-2014-0329	Utility Pay Stations and Loan Companies, Rule Drafting, Comments
Union Electric Company	OPC	ER-2014-0258	Direct: Rate Design/Cost of Service
d/b/a Ameren Missouri	OFC	EN-2014-0236	Study/Economic Development Rider
			Rebuttal: Rate Design/ Cost of Service/ Low
			Income Considerations
			Surrebuttal: Rate Design/ Cost-of-Service/
			Economic Development Rider
KCP&L Greater Missouri	OPC	EO-2014-0189	Rebuttal: Sufficiency of Filing
Operations Company	0.0		Surrebuttal: Sufficiency of Filing

KCP&L Greater Missouri	OPC	EO-2014-0151	Renewable Energy Standard Rate
Operations Company			Adjustment Mechanism (RESRAM)
			Comments
Liberty Natural Gas	OPC	GR-2014-0152	Surrebuttal: Energy Efficiency
Summit Natural Gas	OPC	GR-2014-0086	Rebuttal: Energy Efficiency
			Surrebuttal: Energy Efficiency
Union Electric Company	OPC	ER-2012-0142	Direct: PY2013 EM&V results / Rebound
d/b/a Ameren Missouri			Effect
			Rebuttal: PY2013 EM&V results
			Surrebuttal: PY2013 EM&V results
			Direct: Cycle I Performance Incentive
			Rebuttal: Cycle I Performance Incentive
Kansas City Power &	Missouri Public	EO-2014-0095	Rebuttal: MEEIA Cycle I Application
Light	Service		testimony adopted
	Commission		
	Staff		
KCP&L Greater Missouri	Missouri	EO-2014-0065	Integrated Resource Planning: Special
Operations Company	Division of		Contemporary Topics Comments
	Energy (DE)		
Kansas City Power &	DE	EO-2014-0064	Integrated Resource Planning: Special
Light			Contemporary Topics Comments
The Empire District	DE	EO-2014-0063	Integrated Resource Planning: Special
Electric Company			Contemporary Topics Comments
Union Electric Company	DE	EO-2014-0062	Integrated Resource Planning: Special
d/b/a Ameren Missouri			Contemporary Topics Comments
The Empire District	DE	EO-2013-0547	Triennial Integrated Resource Planning
Electric Company			Comments
Working Case: State-	OPC	EW-2013-0519	Presentation: Does Better Information Lead
Wide Advisory			to Better Choices? Evidence from Energy-
Collaborative			Efficiency Labels
			Presentation: Customer Education &
			Demand-Side Management
			Presentation: MEEIA: Strengths,
			Weaknesses, Opportunities and Threats
1. J J			(SWOT) Analysis
Independence-Missouri	OPC	Indy Energy	Presentation: Energy Efficiency
Indononderes NA's set	0.000	Forum 2014	Descentations Data Daview
Independence-Missouri	OPC	Indy Energy	Presentation: Rate Design
	0.50	Forum2015	
NARUC – 2017 Winter,	OPC	Committee on	Presentation: PAYS Tariff On-Bill Financing
Washington D.C.		Consumer Affairs	
			Presentation: Dogulatory Januar Dalatority
NASUCA – 2017 Mid-	OPC	Committee on	Presentation: Regulatory Issues Related to
Year, Denver		Water	Lead-Line Replacement of Water Systems
		Regulation	

NASUCA – 2017 Annual	OPC	Committee on	Presentation: Lead Line Replacement
Baltimore,		Utility	Accounting and Cost Allocation
		Accounting	
NARUC – 2018 Annual,	OPC	Committee on	Presentation: PAYS Tariff On-Bill Financing
Orlando		Consumer	Opportunities & Challenges
		Affairs	
Critical Consumer Issues	OPC	Examining	Presentation: Missouri EV Charging Station
Forum (CCIF)—New		Polices for	Policy in 4 Acts: Missouri Office of the Public
Orleans		Delivering Smart	Counsel Perspective
		Mobility	
Michigan State, Institute	OPC	Camp NARUC:	Presentation: Revenue Requirement
of Public Utilities, 2019		Fundamentals	
NARUC/US AID, Republic	OPC	NARUC /US AID:	Presentation: Case Study: The Missouri
of North Macedonia,		Cybersecurity	Experience
Skopje 2019			