CASE PARTICPATION OF GEOFF MARKE, PH.D.

Company Name	Employed Agency	Case Number	Issues
Evergy Missouri West & Evergy Missouri Metro	Office of Public Counsel (OPC)	ET-2021-0151	Rebuttal: EV subsidies and EV charging stations
Spire Missouri Inc.	OPC	GR-2021-0108	Direct: AMI, Corporate Governance: Workplace Discrimination Rebuttal: Subsidized Natural Gas Expansion / Multi-Family Pilot / Energy Efficiency / Rate Design / Low-Income Programs Surrebuttal: AMI / AMI Opt-Out / Corporate Governance: Workplace Discrimination / Propane Storage / Research and Development / Bad Debt & Uncollectable / Rate Design
Missouri American Water	OPC	WR-2020-0344	Direct: COVID-19 / Future Test Year/ Cost Allocation Manual and Affiliate Transaction Rules for Large Water Utilities Direct: Rate Design Surrebuttal: Policy / Future Test Year / Affiliate Transactions Rule / Consolidated Tariff Pricing / Rate Design / Lead Line Replacement
Evergy Missouri West & Evergy Missouri Metro	OPC	EO-2020-0227	Rebuttal: Inefficient Management / Residential Demand Response Surrebuttal: Demand Response Programs
Working Case: To consider best practices for recovery of past-due utility customer payments after the COVID-19 pandemic	OPC	AW-2020-0356	Memorandum: Response to Staff Report on COVID-19 Past-Due Utility Customer Payments
Spire Missouri Inc.	OPC	GO-2020-0416	Memorandum: Notice of prudency concerns regarding natural gas Advanced Metering Infrastructure ("AMI") investment
Evergy Missouri West & Evergy Missouri Metro	OPC	EU-2020-0350	Rebuttal: Authorized Accounting Order for: Lost Revenues /COVID-19 Expenses / Bad Debt Expense Surrebuttal: Disconnection Moratorium / Arrearage Management Plans / Economic Relief Pilot Program / Outreach / Energy Efficiency / Administrative Procedures
Empire District Electric Company	OPC	EO-2020-0284	Memorandum: Customer Savings Plan / Stateline Combined Cycle Upgrade / DSM /

			COVID-19 Impact on Modeling / Executive Order on Securing the US Bulk-Power System / SPP Effective Load Carrying Capability / All-Source RFP
Evergy Missouri West	OPC	EO-2020-0281	Memorandum: Wind Power PPAs / DSM / COVID-19 Impact on Modeling / Executive Order on Securing the US Bulk-Power System / SPP Effective Load Carrying Capability / Utility-Scale Solar / All-Source RFP
Evergy Missouri Metro	OPC	EO-2020-0280	Memorandum: Wind Power PPAs / DSM / COVID-19 Impact on Modeling / Executive Order on Securing the US Bulk-Power System / SPP Effective Load Carrying Capability / Utility-Scale Solar / All-Source RFP
Empire District Electric Company	OPC	ER-2019-0374	Direct: Cost and Quality of Service, Stranded Asset, AMI/CIS deployment Rebuttal: Customer Experience / Weather Normalization Rider / Energy Efficiency / Low-Income Pilot Program Rebuttal: Class Cost of Service / Rate Design / Low Income Pilot Program Surrebuttal: Cost and Quality of Service / Reliability Metrics / Asbury Power Plant / Rate Design & CCOS / DSM Programs
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 Rebuttal: Smart Energy Plan, Keeping Current, Coal Power Plants, CCOS, Rate Design, Pure Power RECs Surrebuttal: Coal Power Plants
Rule Making	OPC	AW-2020-0148	Memorandum: Residential Customer Disconnections and Data Standardization Presentation: Service Disconnection Data Standardization Virtual Rulemaking Workshop
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 MEEIAapplication, Equitable Energy EfficiencyBaseline, WattTime: Automated EmissionsReduction, PAYS, Urban Heat IslandMitigationSurrebuttal: Market Potential Study, SingleFamily 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"
Empire District Electric Company	OPC	EO-2019-0046	Memorandum: Response to The Empire District Electric Company d/b/a Liberty Plant In Service Accounting (PISA) Report
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-2016-0285	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 Rule Revisions, Comments
Union Electric Company d/b/a Ameren Missouri	OPC	EO-2015-0084	Triennial Integrated Resource Planning Comments
Union Electric Company d/b/a Ameren Missouri	OPC	EO-2015-0055	Rebuttal: Demand-Side InvestmentMechanism / MEEIA Cycle II ApplicationSurrebuttal: Potential Study / Overearnings/ Program DesignSupplemental Direct: Third-party mediator(Delphi Panel) / Performance IncentiveSupplemental Rebuttal: Select Differencesbetween StipulationsRebuttal: Pre-Pay Billing
The Empire District Electric Company	OPC	EO-2015-0042	Integrated Resource Planning: Special Contemporary Topics Comments

KCP&L Greater Missouri	OPC	EO-2015-0041	Integrated Resource Diapping: Special
Operations Company	OPC	2013-0041	Integrated Resource Planning: Special Contemporary Topics Comments
Kansas City Power &	OPC	EO-2015-0040	Integrated Resource Planning: Special
Light	OFC	2013-0040	Contemporary Topics Comments
Union Electric Company	OPC	EO-2015-0039	Integrated Resource Planning: Special
	OPC	EO-2015-0059	
d/b/a Ameren Missouri	0.00	ED 2014 0270	Contemporary Topics Comments
Kansas City Power &	OPC	ER-2014-0370	Direct (Revenue Requirement): Solar Rebates
Light			
			Rebuttal: Rate Design / Low-Income
			Weatherization / Solar Rebates
			Surrebuttal: Economic Considerations / Rate
<u> </u>	0.00	51/ 2014 2252	Design / Cyber Security Tracker
Rule Making	OPC	EX-2014-0352	Memorandum Net Metering and Renewable
			Energy Standard Rule Revisions,
The Empire District	OPC	ER-2014-0351	Rebuttal: Rate Design/Energy Efficiency and
Electric Company			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			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			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	EO-2014-0095	Rebuttal: MEEIA Cycle I Application
Light	Public Service		testimony adopted
0	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
LIGIIL			contemporary ropics 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		50 2012 05 17	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
			(SWOT) Analysis
Independence-Missouri	OPC	Indy Energy Forum	Presentation: Energy Efficiency
		2014	
Independence-Missouri	OPC	Indy Energy	Presentation: Rate Design
		Forum2015	
NARUC – 2017 Winter,	OPC	Committee on	Presentation: PAYS Tariff On-Bill Financing
Washington D.C.		Consumer Affairs	
NASUCA – 2017 Mid-	OPC	Committee on	Presentation: Regulatory Issues Related to
Year, Denver		Water Regulation	Lead-Line Replacement of Water Systems
NASUCA – 2017 Annual	OPC	Committee on	Presentation: Lead Line Replacement
Baltimore,		Utility Accounting	Accounting and Cost Allocation
NARUC – 2018 Annual,	OPC	Committee on	Presentation: PAYS Tariff On-Bill Financing
Orlando		Consumer Affairs	Opportunities & Challenges
Critical Consumer Issues	OPC	Examining Polices	Presentation: Missouri EV Charging Station
Forum (CCIF)—New		for Delivering	Policy in 4 Acts: Missouri Office of the Public
Orleans		Smart Mobility	Counsel Perspective
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, Cybersecurity and Data Privacy
Skopje 2019			
Kansas, Clean Energy	OPC	Climate and	Presentation: Energy Efficiency and Pay as
Business Council		Energy Project	You Save (PAYS)
("CEBC"), 2020			
Michigan State, Institute	OPC	Camp NARUC:	Presentation: Fundamentals of Economic
of Public Utilities, 2020		Fundamentals	Regulation / Performance Base Regulation
Renew Missouri	OPC	MoBar Continued	Presentation: Regulatory Incentives and
		Learning	Utility Performance
		Education Credit	
Missouri Bar Association	OPC	MoBar Fall	Presentation: The Virus, The Economy and
		Environmental &	Regulated Utility Service: An Overview of
		Energy Law	Utilities and Stakeholders Response to
		Committee	COVID-19 and the Recession to Date

University of Missouri	OPC	Advancing	Presentation: The Heat Is On: Demand Side
and City of Columbia,		Renewables in the	Management of Urban Heat Islands
MO., 2021		Midwest	
NARUC/US AID,	OPC	Indonesia Ministry	Presentation: Introduction to Tariff Setting
Indonesia, Jakarta 2021		of Energy and	& Review: Utility Revenue Requirement,
		Mineral Resources	Cost Allocation & Rate Design
		(MEMR)	
Michigan State, Institute	OPC	Camp NARUC:	Presentation: Fundamentals of Economic
of Public Utilities, 2021		Fundamentals	Regulation