September 30, 2019

Legislative Coordinating Council  
c/o Legislative Administrative Services  
RFP Consulting Services Electric Rate Study-Phase 2  
Statehouse, Room 551-S  
300 SW Tenth Avenue  
Topeka, Kansas 66612

Re: Consulting Services Electric Rate Study-Phase 2

Dear Legislative Coordinating Council,

The State of Kansas Legislative Coordinating Council (LCC) can obtain an experienced and independent utility rate policy assessment by using our deep bench of electric utility consulting professionals which have already executed numerous electric rate studies, resource planning and transmission planning projects and other related efforts in the State of Kansas and across the country. We understand the LCC requires a robust and thoughtful investigation into multiple rate design, transmission investment and power supply issues that are facing the State of Kansas. Burns & McDonnell, headquartered in Kansas City, MO, has provided these services to utilities, industrial customers and regional transmission planning organizations for decades and can fulfill each of the LCC’s scope items requested in the request for proposals.

As you review our proposal please consider the following advantages that we bring to the State of Kansas on this project:

**Independent and Experienced Analysis**
Burns & McDonnell is a full services engineering and consulting firm serving multiple markets across the globe and have been providing service in the State of Kansas since 1898, including our very first client, the City of Iola, KS. Today our clients range from large integrated oil and gas companies such as OneOk to electric utilities such as Evergy who are both located right here in the State of Kansas. The State of Kansas can rest assured that the Burns & McDonnell employee-owners selected for this engagement will provide a thorough, robust and independent analysis for the State of Kansas.

**Vehicle Charging Services**
We understand the electric vehicle rate policy issues within the State of Kansas and have been working across the country and more importantly in the Midwest with other electric utilities to address these rate design issues at the retail level. We have worked directly with both KCP&L Kansas and Westar on complex cost of service and rate design issues within the past three years. Our project team members selected for this engagement have provided balanced and independent cost of service evaluations through recent work in the KCC Docket 16-GIME-576-GIE and the KCC Docket 18-WSEE-328-RTS. Both Adam Young and Craig Brown will be available to support this project, with both having over 15 years of experience providing cost of service and rate consulting to municipals, cooperatives and investor-owned utilities in the State of Kansas. They will be supported by our vehicle charging consultants who have specialized knowledge in public charging infrastructure and charging analytics.
Microgrids and Distributed Energy Resources

Our project team members have developed fair and equitable policies and conducted detailed investigations for advanced energy solutions for numerous States and regulatory entities. Doug Houseman, who is a key member of the Department of Energy (DOE) Gridwise Architecture Council and chairs the IEEE PES Intelligent Grid and Emerging Technology Coordinating Committee, will be leading the Advanced Energy Solutions task and Grid Stabilization issues. Our consulting team selected for this engagement has in-depth experience with not only policy issues related to advanced energy solutions, but has real word implementation experience with developing microgrid, battery storage, vehicle charging depots and distributed solar projects in jurisdictions across the globe.

Transmission Planning and Markets

Burns & McDonnell has extensive experience with market modeling and regional transmission planning in the State of Kansas, the Southwest Power Pool (SPP), and every other regional transmission market in the United States. We have the in-house market modeling and transmission planning software tools to provide a robust analysis of the impact of increased transmission investment on individual utilities and ultimately their retail customers. We have performed extensive work for the regional planning entity, SPP, for over 10 years and have extensive knowledge of the projects and the models as we have supported SPP through staff augmentation. Matt Lind, who will lead these efforts for the State, has over 15 years of experience providing robust analyses for multiple stakeholders in SPP.

Economic Development and Rates

Our project team members have prepared economic development rates and plans for many electric utilities across the country and most recently for the Kansas City Board of Public Utilities and Independence Power & Light. We have analyzed the costs and benefits of these economic development rates for both the large industrial customers and other rate classes and have provided supporting evidence on their short-term costs and long-term benefits. We understand and appreciate the need to attract and retain business in the State of Kansas, and are already familiar with other nearby state’s challenges and successes with regards to developing contract rates that are mutually beneficial to all stakeholders.

Cost of Service and Cost Causation

Burns & McDonnell’s utility consulting team members Adam Young and Craig Brown are already familiar with both Westar and KCP&L Kansas jurisdiction cost of service models and components. We are already familiar with the key issues on cost allocation methods as documented in testimony through the KCC and our own independent reports and will provide an independent and fair analysis on behalf of the State of Kansas and other key stakeholders. Our team members have also worked closely with other municipal and cooperative clients in the State and can bring years of experience to the LCC and KCC.

Integrated Resource Planning

Burns & McDonnell’s utility consulting team members Matt Lind and Kyle Combes selected for this engagement have prepared integrated resource plans for utilities in Kansas for over 15 years. We have conducted resource planning services for nearly all the large electric utilities in Kansas including Midwest Energy, Kansas Electric Power Cooperative, Westar, KCP&L, Kansas Power Pool, Kansas City Board of Public Utilities and Sunflower Electric Power Corporation. We are familiar with the regional transmission market in which these utilities operate, the key issues they have faced in the past and will face in the future and understand all the various components that are part of an IRP. We have the in-house software models and tools that many of these utilities use to analyze their generation resource plans and have provided public presentations and reports to support key decisions these utilities have made. These IRPs have been prepared for utilities and their customers with the goal of providing the lowest cost long-term plans that adhere to regulatory requirements, while balancing other key issues such as power reliability and long-term risk.
A team that knows and cares about the State of Kansas
Just like you, we live and work in Kansas. We share your commitment to our communities and work for many clients across the state on similar projects. Located in our Kansas City, Missouri office, our team can be at your offices at a moment’s notice and be available for bi-weekly onsite meetings if desired by the LCC. We take great pride in providing the highest level of service possible to our clients and establishing long term partnerships focused on ensuring their continued success. You can expect that same service and dedication for this most important engagement. If you have any questions, please contact Adam Young at (816) 822-3957 or ayoung@burnsmcd.com. You can also contact Chris Underwood at (816) 822-4313 or cunderwood@burnsmcd.com.

Below is Burns & McDonnell’s response to the RFP statements.

(a) the bidder is the prime contractor and identifying all subcontractors;
Burns & McDonnell is the prime contractor.

(b) the bidder is a corporation or other legal entity;
Burns & McDonnell is a corporation.

(c) no attempt has been made or will be made to induce any other person or firm to submit or not to submit a proposal;
Burns & McDonnell has made no attempt or will make no attempt to induce any other person or firm to submit or not to submit a proposal.

(d) the bidder does not discriminate in employment practices with regard to race, color, religion, age (except as provided by law), sex, marital status, political affiliation, national origin or disability;
Burns & McDonnell does not discriminate in employment practices with regard to race, color, religion, age (except as provided by law), sex, marital status, political affiliation, national origin or disability.

(e) no cost or pricing information has been included in the transmittal letter or the Technical Proposal;
Burns & McDonnell has not provided any cost or pricing information in the transmittal letter or the Technical Proposal.

(f) the bidder presently has no interest, direct or indirect, which would conflict with the performance of services under this contract and shall not employ, in the performance of this contract, any person having a conflict;
Burns & McDonnell presently has no interest, direct or indirect, which would conflict with the performance of services under this contract and shall not employ, in the performance of this contract, any person having a conflict.

(g) the person signing the proposal is authorized to make decisions as to pricing quoted and has not participated, and will not participate, in any action contrary to the above statements;
The person signing, Chris Underwood, Vice President, is authorized to make decisions as to pricing quoted and has not participated, and will not participate, in any action contrary to the above statements.

(h) whether there is a reasonable probability that the bidder is or will be associated with any parent, affiliate or subsidiary organization, either formally or informally, in supplying any service or furnishing any supplies or equipment to the bidder which would relate to the performance of this contract. If the statement is in the affirmative, the bidder is required to submit with the proposal, written certification and authorization from the parent, affiliate or subsidiary organization granting the State and/or the federal government the right to examine any directly pertinent books, documents, papers and records involving such transactions related to the contract. Further, if at any time after a proposal is submitted, such an
association arises, the bidder will obtain a similar certification and authorization and failure to do so will constitute grounds for termination for cause of the contract at the option of the State; Burns & McDonnell will not be associated with any parent, affiliate or subsidiary organization, either formally or informally, in supplying any service or furnishing any supplies or equipment to the bidder which would relate to the performance of this contract. If at any time after a proposal is submitted, such an association arises, Burns & McDonnell will obtain a similar certification and authorization and failure to do so will constitute grounds for termination for cause of the contract at the option of the State.

(i) bidder agrees that any lost or reduced federal matching money resulting from unacceptable performance in a contractor task or responsibility defined in the RFP, contract or modification shall be accompanied by reductions in state payments to Contractor; and Burns & McDonnell agrees that any lost or reduced federal matching money resulting from unacceptable performance in a contractor task or responsibility defined in the RFP, contract or modification shall be accompanied by reductions in state payments to Contractor.

(j) the bidder has not been retained, nor has it retained a person to solicit or secure a state contract on an agreement or understanding for a commission, percentage, brokerage or contingent fee, except for retention of bona fide employees or bona fide established commercial selling agencies maintained by the bidder for the purpose of securing business. Burns & McDonnell has not been retained, nor has it retained a person to solicit or secure a state contract on an agreement or understanding for a commission, percentage, brokerage or contingent fee, except for retention of bona fide employees or bona fide established commercial selling agencies maintained by the bidder for the purpose of securing business.

Sincerely,

Chris Underwood   Adam Young
Vice President     Project Manager
Bidder Information

Personnel Assigned to this Project

Dedicated to the State of Kansas

Just like you, we live and work in Kansas. We share your commitment to our communities and work for many clients across the state on similar projects. Located less than an hour away in our Kansas City, Missouri office, our team can be at your facility at a moment’s notice. We take great pride in providing the highest level of service possible to our clients and establishing long term partnerships focused on ensuring their continued success. You can expect that same service and dedication for your community and this project.

The Burns & McDonnell team has diverse industry experience, completing similar tasks and deliverables. We have organized our project team to provide streamlined and efficient project execution that meet your goals and objectives.

Burns & McDonnell’s team has provided strategic consulting services to a diverse mix of clients. Our financial, management, engineering and technical professionals develop and implement a wide range of innovative solutions in the areas of generation resource planning, transmission planning, financial and rate analysis, information management, application development, energy services, security consulting and project development. Burns & McDonnell has a large, well-diversified staff available for completing projects.

Burns & McDonnell Engineering Company, Inc.
Established in 1898
100% Employee-Owned Corporation
Adam Young, PE | Project Manager and Utility Rates Lead | Full-time Resource

- Responsible for daily project activities and bringing the project team, including subcontractors, together as one unit by performing management/planning activities, scheduling, communication and supporting engineering design activities
- Adam has over 16 years of experience preparing cost of service and rate design studies for investor-owned, cooperative, and municipal utility clients. Adam has recently provided rate consulting services for Kansas City Power and Light and McPherson BPU
- He has also supported numerous commercial and industrial customers with various utility rate issues including distributed generation, rate negotiations, microgrids, and vehicle charging infrastructure development. Adam has recently provided rate consulting services for industrials in Kansas include Kansas Ethanol and White Energy Ethanol
Matt Lind, PE | Assistant Project Manager and Transmission / Resource Planning Lead | Full-time Resource
► Responsible for overseeing daily project activities and management/planning activities
► Matt has over 15 years of experience using sophisticated economic models to provide decision-making analysis to investor-owned, cooperative, and municipal utility clients as well as regional transmission organizations and independent developers of transmission and generation projects
► Matt leads the Market Assessments and Resource Planning team at Burns & McDonnell

Jeff Chapman | Vehicle Charging and Utility Rate Consultant | Part-time Resource
► Jeff will be responsible for completing the cost of service and rate design related work in the vehicle charging services tasks.
► He has four years of experience providing utility rate studies and has recently completed several studies investigating electric vehicle charging and rate design policies in Missouri

Josh Loyd | Vehicle Charging and Utility Rate Consultant | Part-time Resource
► Josh Loyd will be responsible for supporting Jeff in the development of electric vehicle charging assumption and cost development.
► He recently completed several complex public vehicle charging station projects for Tesla and other Level 2 charging projects, and is currently completing electrification studies for Rochester Public Utilities in Minnesota and DTE in Michigan

Craig Brown | Utility Rate and Cost of Service Consultant | Part-time Resource
► Craig will be responsible for completing the analysis and investigations pertaining to economic development and rate design, as well as supporting the cost of service analysis review.
► He has provided cost of service and rate design studies for several municipals and investor owned utilities in the State of Kansas including Kansas City Board of Public Utilities and Westar (Evergy)

Francesca Winter | Utility Rate and Cost of Service Consultant | Part-time Resource
► Francesca will be responsible for completing the analysis and investigations pertaining to economic development and rate design as well as supporting the cost of service analysis review.
► She has provided cost of service and rate design studies for several cooperatives in the State of Kansas including Victory Electric Cooperative, Wheatland Electric Cooperative, Ninnescah RECA, Inc.

Kyle Combes | Resource and Transmission Planning | Part-time Resource
► Kyle will be responsible for completing the transmission investment analysis and investigation work in this study. Kyle will also support the resource planning analysis and generation fuel cost analysis.
► Kyle has 10 years of experience in economic and engineering analyses for electric generation and transmission assets and has led resource planning work for SPP, KCP&L, KEPCO, MWE, and KPP.
► Kyle routinely utilizes complex economic models to support regional transmission organizations and utility clients in competitive transmission planning, integrated resource planning and technology evaluations

Tyler Fletcher | Resource and Transmission Planning | Part-time Resource
► Tyler will be responsible for completing the transmission investment analysis and investigation work in this study. Tyler will also support the resource planning analysis and generation fuel cost analysis.
► He is a business consultant who specializes in economic analysis and evaluation of electric power generation and transmission projects. He has been heavily focused on work with SPP transmission planning studies over the past four years and is currently engaged on the MWE IRP
Doug Houseman | Advanced Energy Solutions and Grid Stabilization | Full-time Resource
► Doug has extensive experience in the energy and utility industry and has been involved in projects in more than 70 countries
► Over 40 years of utility industry and a leader in grid modernization thinking

Jerome Farquharson, CISSP, CRISC | Security Consultant | Part-time Resource
► Jerome leads the Compliance and Critical Infrastructure Protection team at Burns & McDonnell
► 20 years of experience in security & risk consulting
► He helps define security, regulatory compliance and utility technology solutions for critical infrastructure organizations such as electric utilities, government facilities and process industries

**Kansas Clients in the Past 10 Years**
Below we have provided a list of some of our electric investor-owned, cooperatives, municipalities, or regulatory agencies in Kansas that we have provided consulting services for in the past 10 years.

<table>
<thead>
<tr>
<th>Kansas Clients</th>
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<tr>
<td>Kansas Electric Power Cooperative</td>
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<td>Westar</td>
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<td>Kansas City Board of Public Utilities</td>
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<td>Kansas Municipal Utilities</td>
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Qualifications

Well-established Firm

At Burns & McDonnell, our engineers, architects, construction professionals, scientists and consultants do more than simply plan, design and construct. With a mission unchanged since 1898 — make our clients successful — our 7,000 employee-owners partner with you to take on the toughest challenges, constantly working to make the world an even more amazing place.

Burns & McDonnell is a family of privately held companies, each of which provides services based upon supporting a client’s particular needs. We provide a full suite of architecture, engineering, construction and consulting services across all industries, including Aviation, Commercial, Retail & Institutional, Construction, Environmental, Governmental, Military & Municipal, Manufacturing & Industrial, Oil & Gas, Power, Transportation and Water. We can provide additional information regarding corporate structure, including international services, upon contract award.

Capacity to Perform this Work

With 7,000 employee-owners, Burns & McDonnell has professionals with extensive experience in a wide range of scientific, architectural and engineering disciplines. This means that if unexpected issues arise at critical stages of your project, we have people with the knowledge and background to address your project’s challenges in a timely, integrated and efficient manner. This translates to project consistency, lower costs and the ability to maintain your project schedule.

Business Optimization

Burns & McDonnell helps clients strategically plan to serve their future customers, identifying no regrets decisions based on an analytical framework including risk analysis. We develop strategies for compliance with today’s standards, preparing our clients’ businesses economically for the future. Relevant business optimization functions that we have provided to other clients throughout the country include:

- Identification of transmission investments providing reliability, economic, and/or public policy benefits for individual and regional transmission markets.
- Provide independent front-end planning services feeding into an integrated resource planning process including stakeholder engagement and presentations.
- Rate design and cost of service studies based on changing infrastructure and future investment requirements.
Experience

Electric Rate Study Experience

**Kansas City Power & Light (Evergy) | Electric Rate Strategy Plan Study**

Burns & McDonnell prepared a long-term electric rate strategy plan prepared to support KCP&L in the development of new rate programs that will be offered to their Residential customer classes in their three utility jurisdictions. These include KCP&L Missouri, KCP&L Kansas and KCP&L Greater Missouri Operations. The long-term plan was used as an input into subsequent rate cases being filed in both Missouri and Kansas. This plan development effort included working with multiple stakeholders within KCP&L’s organization to develop a plan that meets the utility’s rate design goals and long-term business strategies. This included regulatory, customer service, power supply, energy solutions, information management and metering. Specific scope included Rate Program Development, Rate Consolidation Analysis, Demand Response Evaluation, Customer Switching Analysis, Time of Use Rate Design, Demand Rate Evaluations, End Use Rate Evaluations, Distributed Generation Rates Analysis and Electric Vehicle (EV) Rates Analysis. The results of this study have been incorporated into KCC Docket 16-GIME-576-GIE, KCC Docket 18-KCPE-480-RTS, MPSC Docket No. ER-2016-0156, and MPSC Docket No. ER-2018-0145.

**Kansas City Power & Light (Evergy) | Kansas Electric Heating Rate Study**

Burns & McDonnell prepared a comprehensive study of KCP&L Kansas’s residential electric heating rates as requested by the Kansas Corporation Commission (KCC) in Docket No. 16-GIME-576-GIE. The report was filed as a response to the KCC’s request. The study included a detailed evaluation of the existing discounted electric heating rates including market analysis, cost of service review, benefit and cost analysis quantification, evaluation of alternative heating sources and rates, and the development and recommended changes to the existing KCP&L Kansas residential electric rates.

**Kansas City Board of Public Utilities | Cost of Service and Rate Design Study**

Members of our project team have provided ongoing rate and financial consulting for the Kansas City Board of Public Utilities (BPU) electric utility for over a decade. The first major project included comprehensive cost of service and rate design studies for both the Electric and Water utilities. The studies included a detailed five-year financial forecast, capital plan financing, unbundled cost of service and rate design. The studies also included creation of a new Medium General Service Rate Class and a new Environmental Surcharge, which is a rider that recovers the capital costs of mandated environmental projects. The studies included the filing of direct and rebuttal testimony before the Board and multiple workshops and presentations to internal and external stakeholders and at public hearings. The study was unanimously approved and adopted by the Board, which also approved the recommended series of four consecutive base rate increases of 7 percent. This was the first time the Board had approved a multi-year increase of this magnitude. Our team members also led BPU’s 2016 rate hearing where two 4 percent base rate increases were approved for 2017 and 2018. New rate design components developed during the study included revisions to the fuel and
environmental riders, standby rates for partial requirements customers, commercial electric heating
rates, event lighting rates, and an industrial high load factor rate.

**Wheatland Electric Cooperative, KS | Cost of Service and Rate Design Study**

Members of our project team completed a cost of service study for Wheatland Electric Cooperative. The study was completed with the intent of combining two sets of current rates (Urban and Rural) into one set of comprehensive rates while mitigating the rate change impact to all customers in the various classes. Three rate design alternatives were provided with one alternative being to phase-in the combined rates over a three-year time period. A 10-year financial forecast was also completed, comparing the various rate design alternatives to provide Wheatland with various financial scenarios to compare and reach their financial goals. The Local Access Charge and Sub-Transmission Rates were revised to appropriately charge customers using Wheatland’s electric system. These rates were reviewed by the KCC and approved. This included responding to multiple data requests from the KCC and other intervenors.

**Regional Transmission Planning Experience**

**Southwest Power Pool | Integrated Transmission Plan Support**

Southwest Power Pool (SPP) is a FERC-approved regional transmission organization (RTO) which coordinates the reliable delivery of electricity to more than 15 million people in nine states. Burns & McDonnell has developed a strong partnership with SPP and their Engineering Planning Department and has provided staff augmentation and independent consulting across a wide range of transmission planning functions over the past several years. Burns & McDonnell has provided support to SPP in the following study areas:

- Transmission Service Studies
- Model Development and Support
- Integrated Transmission Planning

The support provided over multiple iterations of SPP’s integrated transmission planning (ITP) cycle highlights Burns & McDonnell’s PROMOD Nodal experience. SPP performs an iterative integrated transmission planning (ITP) process which identifies transmission needs going out 10 years. SPP’s integrated approach to transmission planning first considers generation expansion and location, then identifies transmission expansion requirements based on reliability, policy, and economic needs. Transmission projects are developed for multiple futures and sensitivity scenarios to evaluate the plan robustness and benefit metrics are developed for the recommended transmission project portfolio. ITP studies are performed in conjunction with multiple stakeholder working groups. Burns & McDonnell has provided support to SPP staff across all major analysis activities associated with the ITP process including stakeholder interaction and presentations.

**CAISO, ERCOT, MISO, NYISO, PJM, SPP | Transmission Project Identification for Regional Transmission Planning Process**

Burns & McDonnell has supported confidential clients in the evaluation and determination of transmission and non-wires alternative solutions to be submitted into a regional transmission planning process. This support requires an understanding of project drivers, potential solutions, cost allocation methodology, environmental and other political drivers. Burns & McDonnell has provided
Experience

support in multiple markets across North America including CAISO, ERCOT, SPP, MISO, PJM, and NYISO. The support activities performed included:

- Transmission System Reliability Studies
- Transmission System Economic Studies
- Transmission Engineering and Constructability Review
- Cost-Benefit Analysis and Project Screening
- Preliminary Routing Studies
- Project Proposal Development

Integrated Resource Planning Experience

**Midwest Energy, KS / Integrated Resource Plan**

Midwest Energy, Inc. retained Burns & McDonnell to perform a range of power supply planning functions. These included review of reciprocating engine generators that were subject to the RICE rules. Condition assessments at the power plants were made to provide budget estimates of ongoing fixed maintenance costs and RICE compliance costs. Reviews of retirement versus continuing operation identified certain units that should be retired.

Midwest also retained Burns & McDonnell to develop a Request for Proposal (RFP) for generation capacity and energy. As a result of this RFP, Midwest received fourteen (14) offers from nine (9) different companies, grouped into 1) base load proposals and 2) peaking proposals. Utilizing the best peaking and base load proposals, Burns & McDonnell performed analysis of Midwest’s generation portfolio to determine the optimum mix based on the proposals received.

**Westar Energy / Generation Portfolio Review**

Westar Energy, the largest electric utility in Kansas, retained Burns & McDonnell to help determine future resource value for 14 aging units within its generation portfolio. The units included both coal and gas-fired steam electric units as well as gas-fired combustion turbine units. Additionally, the study considered the economic benefits of fuel switching to new coal suppliers, natural gas or biomass. The developed costs were used to complete production cost modeling that identified the most economic scenario for future operations of the candidate units.

**Sunflower Electric Power Corporation / Generation Planning Studies**

Sunflower Electric Power Corporation (Sunflower), a generation and transmission (G&T) cooperative, retained Burns & McDonnell to develop a report and recommendations for future power supply strategies derived from a Generation Resource Planning Study (Study). The objective of this Study was to identify a future power supply plan that would provide reliable capacity and energy to its member cooperatives at the lowest cost possible and with the following priorities:

- Having multiple self-owned generating resources and purchase power agreements (PPAs)
- Maintaining unloaded available generating capacity (operating reserves)
- Coordinating operation with other utilities
- Meeting Regional and national reliability standards and criteria
**Minnesota Power | Integrated Resource Plan**

Minnesota Power, an investor-owned utility serving customers in northeastern Minnesota, has retained Burns & McDonnell on an ongoing basis to provide staff augmentation related to resource and strategic planning support in a number of analytical tasks. These tasks have been varied in nature depending on the planning initiatives needing support. Burns & McDonnell has supported several planning-related regulatory filings including a Baseload Diversification Study, 2013 Resource Plan, Certificate of Need related to Great Northern Transmission Line, 2015 Resource Plan, and other miscellaneous tasks. Minnesota Power’s current power portfolio vision, communicated as **EnergyForward**, was developed in collaboration with and support from Burns & McDonnell.

**Vectren Corporation | Integrated Resource Plan**

Vectren Energy Delivery is a subsidiary of CenterPoint Energy, an investor owned utility, with an electric service territory located in southern Indiana and is a participant in the MISO market. Vectren retained Burns & McDonnell to provide resource and strategic planning support in a number of analytical tasks including:

- Development of a low-cost compliance plan to meet the Mercury and Air Toxics Standard and testimony support related to that plan
- Development of their 2014 Integrated Resource Plan
- Support of strategic corporate planning initiatives considering investment among various business units and impact to shareholders and customers
- Development of their 2016 Integrated Resource Plan
- Administration and evaluation of All Sources RFP
- Report summarizing efforts to be provided as direct testimony in CPCN filing
- Expert witness testimony (written and oral)

**Electric Vehicle Planning and Policy**

**Vehicle Electrification and Planning Study | Rochester Public Utilities**

Burns & McDonnell is conducting a vehicle electrification and planning consulting for Rochester Public Utilities. The study included market research and analysis of the expected market, vehicle charging technologies, load forecasts, utility rate approaches, and peak demand management. The EV assessment included a load forecast and recommendations on how RPU should plan to prepare for mass deployment of EVs.

**Vehicle Electrification and Planning Study | Associated Electric Cooperative**

Burns & McDonnell is conducting a vehicle electrification and planning consulting for Associated Electric Cooperative. The study included market research and analysis of the expected market, vehicle charging technologies, load forecasts, utility rate approaches, and peak demand management. The EV assessment included a load forecast and recommendations on how AECI should prepare for mass deployment of EVs. The study also included the development of rebates, contribution in aid of construction calculations, and policy development that AECI can apply to all 51 of its distribution cooperatives.

**Vehicle Electrification and Depot Charging Infrastructure Planning | Foothill Transit**

Burns and McDonnell is providing a comprehensive assessment of electrifying 400 medium duty transit buses over a 10-year period. For each of Foothill’s bus depots, Burns & McDonnell’s project
team constructed hourly electric energy usage models based on depot operator schedules and telematics to determine fleet requirements and charging characteristics. The project team interviewed staff and collected detailed fleet replacement plans to assess how and when equipment would be replaced over a 10-year period. Vehicle and charging equipment market research was conducted to validate that vehicles and chargers were available within the planning periods. Depot charging infrastructure was sized and scoped to provide budgetary estimates of electrifying the 2 bus depots. In addition to the depot charging infrastructure, coordination with SCE was provided to ensure distribution circuit capacity could support the future load growth. A long-term plan showing the required infrastructure build out was provided to the Port. The project team also evaluated onsite solar and energy storage to provide power to the chargers. Back-up power for emergency planning scenarios was also considered in the plan.

Microgrids and Distributed Generation

**White Energy | Ethanol Plant Combined Heat and Power Plant Rate and Cost Study**
Burns & McDonnell prepared a comprehensive evaluation of the technical and financial performance of an existing combined heat and power plant owned by the City of Russell, KS. The study was prepared on behalf of White Energy Ethanol Plant who is the steam host and purchases electricity from the local electric utility. The study evaluated the performance, production cost, O&M cost, and economic viability of operating the generating unit in the SPP market so that both parties had a clear understanding of the economics of generating power and purchasing steam from the CHP plant under the current electric rate structure. Burns & McDonnell prepared an independent report on behalf of both the electric utility and White Energy.

**Solar and Microgrid Energy Consulting Services | Port of San Diego**
Burns & McDonnell conducted a comprehensive assessment of multiple microgrids along with their subsequent development for the Port of San Diego. The initial study included solar assessment, electrical load analysis, electrical interconnection evaluation, battery energy storage modeling, economic modeling, lease structure evaluation, financial structure option development, solar and battery RFPs, contract evaluations and providing recommendations to the board for recommended plans. Burns & McDonnell prepared a grant application for a California Energy Commission (CEC) grant solicitation for microgrids at California Ports and was selected for subsequent development. Burns & McDonnell and members of this project team are preparing the design packages, contracts, and interconnection evaluations for the microgrid and reporting to the CEC.
Timeline/Availability

When the State of Kansas decides to proceed with authorization to Burns & McDonnell for the completion of the study, our project team will be prepared to initiate the assignment immediately. Burns & McDonnell is prepared to complete the work on this study within a schedule acceptable to the State of Kansas and agreed to prior to notice to proceed and execution of the contract agreement. Assuming timely receipt of data and review of project deliverables, we anticipate the scope of work can be completed within six months. With project initiation and contract execution occurring no later than January 1, 2019 the work will be completed, and the study reports provided before July 1, 2020.
Methodology

Project Overview

Burns & McDonnell will work with the Kansas LCC to complete the Study. We understand that through the project, Burns & McDonnell will work with the Kansas Corporation Commission (KCC) to collect data from utilities for the purpose of the study under the appropriate limitations. The project manager will hold bi-weekly meetings to review project status with the LCC project manager and KCC staff. Burns & McDonnell’s project manager and assistant project manager can be available for meetings in Topeka if desired without travel cost if desired by LCC and KCC staff.

In completing the Study, Burns & McDonnell will prepare the necessary investigations, analyses and reports to address the issues materially affecting Kansas electric rates as described in the following sections. Burns & McDonnell will utilize not only information provided by utilities through the KCC, but also our rate design and power supply experience working directly with Kansas utilities such as Evergy, Kansas City Board of Public Utilities, and Midwest Energy, as well our extensive experience with providing transmission and planning and market analyses for the Southwest Power Pool. Each of the items listed in the RFP are complex issues that require research, complex analysis, and investigation to thoroughly address in a defendable and responsible manner. Our approach has been put together to provide frame each issue and the adequately address the question while being cognizant of the both the LCC’s schedule and financial constraints for the study.

**TASK 1 - VEHICLE CHARGING STATION COST RESPONSIBILITY**

The Kansas LCC requests that the consultant establish “whether any costs incurred by Kansas electric public utilities to build and operate electric vehicle charging stations, including any necessary upgrades to distribution infrastructure, are recovered from ratepayers not using electric vehicle charging services”. To address this question Burns & McDonnell will complete the following:

- Conduct research and review previously filed testimony filed by KCP&L, Westar, and the KCC to establish the baseline regulatory framework as it exists today. Review previously prepared calculations, costs, and revenues submitted to the KCC as part of publicly filed testimony. Document and summarize previous findings along with information gathered from utilities.
- Prepare an independent analysis of the cost to build and operate EV charging stations and determine if it is commensurate with the revenue from the existing rates and usage. Costs provided from cost of service studies will be used along with other data provided by the utilities.
- If vehicle charging station costs are not included in the utilities’ rate base, as we understand it to be today, we will prepare a separate analysis to determine if other classes are subsidizing existing vehicle charging services today.
- The analysis will be limited to those utilities who have charging station rates and publicly available cost of service information and charging station cost information collected. We understand this to be limited to Westar and KCP&L Kansas jurisdictions.
- *The analysis will be summarized and presented to the LCC staff and KCC staff over WebEx to address any questions or comments from the analysis.*
The results will be compiled into a final consolidated report at the end of the study.

Burns & McDonnell can be available to present the results of this portion of the work through an onsite workshop if desired by the LCC and other stakeholders (Optional).

Deliverables
Final Report Section
On-Site Interim Workshops (Optional)

TASK 2 – VEHICLE CHARGING SERVICE RATES
The Kansas LCC requests that the consultant establish “How rates for electric vehicle charging services should be designed to ensure such rates are just and reasonable and not subsidized by other utility customers”. To address this question Burns & McDonnell will complete the following:

► Conduct research and review previously filed testimony filed by KCP&L, Westar, and the KCC to establish the baseline regulatory framework as it exists today. Review previously prepared calculations, costs, and revenues submitted to the KCC as part of publicly filed testimony. Document and summarize previous findings along with information gathered from utilities.
► Burns & McDonnell will review the existing cost of service studies and cost information provided by utilities and assign costs to the public vehicle charging “class” to determine a revenue requirement and then a rate that can recover those costs. A rate that recovers the cost of the stations will ensure that other customers do not subsidize EV charging stations.
► Alternatively, Burns & McDonnell will also prepare a rate for public EV charging station customers that does not include the cost of the charging station.
► The analysis will be summarized and presented to the LCC staff and KCC staff over WebEx to address any questions or comments from the analysis.
► The results will be compiled into a final consolidated report at the end of the study.
► Burns & McDonnell can be available to present the results of this portion of the work through an onsite workshop if desired by the LCC and other stakeholders (Optional).

Deliverables
Final Report Section
On-Site Interim Workshops (Optional)

TASK 3 – VEHICLE CHARGING DEREGULATION
The Kansas LCC requests that the consultant establish “The potential effects of deregulating electric vehicle charging services in Kansas, including whether deregulation would ensure that electric vehicle charging services are not subsidized by public utility ratepayers not using electric vehicle charging services”. To address this question Burns & McDonnell will complete the following:

► Conduct research on what states have regulated and deregulated vehicle charging services. Briefly summarize testimony and directives that have been completed or filed recently in other states. If testimony has been filed in Kansas this will be documented. If some level of precedence has already been set in Kansas, this will also be documented.
► Burns & McDonnell will prepare an independent cost and revenue analysis comparing a regulated approach to a deregulated approach to public vehicle charging services.
► The regulated approach will assume that the vehicle charging station and all associated costs are recovered by a rate that is cost of service based and that cost is passed along directly to the customer charging in a volumetric energy charge. An example Kansas utility will be used for this.
The deregulated approach will assume that the vehicle charging station is paid for by the tenant or customer and the rate charged to the tenant is based on a typical cost of service based rate for a customer within that class size range (i.e. 20 kW to 100 kW load).

The cost recovery under both cases will be compared under various usage levels to determine the over or under recovery to the utility and potential resulting cross subsidization.

The analysis will be summarized and presented to the LCC staff and KCC staff over WebEx to address any questions or comments from the analysis.

The results will be compiled into a final consolidated report at the end of the study.

Burns & McDonnell can be available to present the results of this portion of the work through an onsite workshop if desired by the LCC and other stakeholders (Optional).

**Deliverables**
Final Report Section
On-Site Interim Workshops (Optional)

**TASK 4 – ADVANCED ENERGY SOLUTIONS**

The Kansas LCC requests that the consultant establish “Whether Kansas consumers could benefit from improved access to advanced energy solutions, including micro grids, electric vehicles, charging stations, customer generation, battery storage and transactive energy;”. To address this question Burns & McDonnell will complete the following.

- Conduct research and review previously filed testimony filed by KCP&L, Westar, and the KCC to establish the baseline regulatory framework as it exists today. Review previously prepared calculations, costs, and revenues submitted to the KCC as part of publicly filed testimony. Document and summarize previous findings along with information gathered from utilities.
- Prepare an independent analysis of the cost to build microgrids, battery storage and to create a transactive energy system.
- Use the Task 1 to Task 3 information to build and operate EV charging stations and the revenue from existing rates and usage to determine, along with determining the benefits of charging stations and charger installation.
- Review the benefits and costs based on dockets in selected states and Federal agencies. Translating that to Kansas metrics based on local costs.
- Review transactive energy and its benefits and costs based on documents published by the Department of Energy’s GridWise Architecture Council, IEEE PES and other organizations who are recognized as agnostic leaders in the technology.
- Review of FERC 841, 842, and 845 and the 19 September Notice of Public Rulemaking (NOPR) and their impact on customer generation and storage. Also, the dockets of the California Energy Commission and other public organizations that collect the costs and benefits of access to microgrids, customer generation, demand response, and transactive energy.
- The analysis will be summarized and presented to the LCC staff and KCC staff over WebEx to address any questions or comments from the analysis.
- The results will be compiled into a final consolidated report at the end of the study.
- Burns & McDonnell can be available to present the results of this portion of the work through an onsite workshop if desired by the LCC and other stakeholders (Optional).
TASK 5 – TRANSMISSION INVESTMENT ANALYSIS

The Kansas LCC requests that the consultant establish “The extent to which transmission investments by Kansas electric public utilities have impacted retail rates, including any incremental regional transmission costs incurred by Kansas ratepayers for transmission investments in other states, and whether such costs have been fully offset by financial benefits such as improved access to low-cost renewable energy and wholesale energy markets;”. To address this question Burns & McDonnell will complete the following;

► Conduct research and review of regulatory filings going back five (5) years (“reference period”) including previously prepared calculations, costs, and revenues submitted to the KCC as part of publicly filed testimony filed by KCP&L and Westar. Document and summarize previous findings along with information gathered from utilities.
► Conduct research and review of previously approved transmission projects within the SPP footprint over the reference period including cost estimates provided by SPP and/or the transmission owner (TO). Document and summarize findings.
► Compare and reconcile any differences between project(s) and cost(s) between Westar/KCP&L and SPP filings.
► Develop reference list of transmission projects and costs over the reference period for entire SPP footprint and categorize transmission investments based on project type (e.g. ITP, Generator Interconnection, sponsored upgrade, etc.), location, and cost allocation (e.g. Highway/Byway).
► Develop reference transmission projects and costs over the same reference period for regional transmission organizations other than SPP (e.g. MISO, PJM, CAISO, etc.) as a comparison point for relative transmission investment. (Optional)
► For those projects identified as external to state of Kansas and receiving regional funding, Burns & McDonnell will calculate 40-year adjusted production cost benefits using SPP prescribed methodology under a single future. The benefits will be compared against the cost for the projects in total and on a same year basis. Burns & McDonnell will calculate benefits using PROMOD to perform SCED across the SPP footprint and using the most recently available ITP model provided by SPP.
► The analysis will be summarized and presented to the LCC staff and KCC staff over WebEx to address any questions or comments from the analysis.
► The results will be compiled into a final consolidated report at the end of the study.
► Burns & McDonnell can be available to present the results of this portion of the work through an onsite workshop if desired by the LCC and other stakeholders (Optional).

Deliverables
Final Report Section
On-Site Interim Workshops (Optional)

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1 The adjusted production cost benefit captures both changes in load payments and generation revenue based on the wholesale energy market construct. Changes in load payments can reflect access to low cost energy.
TASK 6 - TRANSMISSION INVESTMENT AND RATE IMPACT ANALYSIS

The Kansas LCC requests that the consultant establish “The costs and benefits incurred by Kansas ratepayers for transmission investments in Kansas, used to export energy out of Kansas;”. To address this question Burns & McDonnell will complete the following;

► Develop reference list of transmission projects identified as located partially or entirely in Kansas and enabling energy exports based on the transmission project list developed as part of Task 5.
► For those projects identified as internal or partially internal to state of Kansas and enabling energy exports, Burns & McDonnell will calculate 40-year adjusted production cost benefits using SPP prescribed methodology under a single future. The benefits will be compared against the cost for the projects in total and on a same year basis. Burns & McDonnell will calculate benefits using PROMOD to perform SCED across the SPP footprint and using the most recently available ITP model provided by SPP.
► The analysis will be summarized and presented to the LCC staff and KCC staff over WebEx to address any questions or comments from the analysis.
► The results will be compiled into a final consolidated report at the end of the study.
► Burns & McDonnell can be available to present the results of this portion of the work through an onsite workshop if desired by the LCC and other stakeholders (Optional).

Deliverables
Final Report Section
On-Site Interim Workshops (Optional)

TASK 7 - ELECTRIC COOPERATIVE AND MUNICIPAL RATE IMPACTS

The Kansas LCC requests that the consultant establish “How rate increases, or the associated rising costs of Kansas investor-owned electric public utilities, impact the retail electric rates of Kansas electric cooperatives and municipal utilities;”. To address this question Burns & McDonnell will complete the following.

► Conduct research and review previously filed testimony filed by KCP&L, Westar, and the KCC to establish the baseline regulatory framework as it exists today. Review previously prepared calculations, costs, and revenues submitted to the KCC as part of publicly filed testimony. Document and summarize previous findings along with information gathered from utilities.
► Using list of transmission projects and costs developed in Task 5, summarize pro-rata cost impact of transmission investments from Kansas electric utilities based on load ratio share cost allocation. This will show the effect of increasing transmission investment cost on investor-owned electric public utilities as well as cooperative and municipal utilities.
► Burns & McDonnell will simulate the effects of increasing costs to investor-owned electric public utilities - Westar and KCP&L - through the addition of a new generation source added to the PROMOD model utilized in Tasks 5 and 6. The adjusted production cost will be calculated for each load serving entity included in the models in addition to the impact to the new generation in order to calculate impacts to rates from generation investments to investor-owned, cooperative and municipal utilities.
► The analysis will be summarized and presented to the LCC staff and KCC staff over WebEx to address any questions or comments from the analysis.
► The results will be compiled into a final consolidated report at the end of the study.
► Burns & McDonnell can be available to present the results of this portion of the work through an onsite workshop if desired by the LCC and other stakeholders (Optional).
**Deliverables**

Final Report Section
On-Site Interim Workshops (Optional)

**TASK 8 – ECONOMIC DEVELOPMENT BARRIERS**
The Kansas LCC requests that the consultant establish “Whether retail electric rates in Kansas are a material barrier to economic development in Kansas”. To address this question Burns & McDonnell will complete the following.

- Conduct research and review previously filed testimony filed by KCP&L, Westar, and the KCC to establish the baseline regulatory framework as it exists today. Review previously prepared calculations, costs, and revenues submitted to the KCC as part of publicly filed testimony. Document and summarize previous findings along with information gathered from utilities.
- Burns & McDonnell will collect information provided by utilities in Kansas regarding economic development rates and testimony filed on this issue. Testimony on economic development rates in other surrounding Midwestern states will also be collected to identify where rates were found to be a barrier or an enabler of major economic development.
- Benchmark historical total economic growth of states against historical average retail electric rates by state using EIA electric pricing data and economic growth data by state.
- Benchmark historical industrial economic growth of states against historical average industrial electric rates by state using historical EIA electric pricing data and economic growth data by state.
- Prepare analysis of data to determine if a strong correlation exists between electric rates and economic development for Industrial and Non-Industrial sectors.
  - *The analysis will be summarized and presented to the LCC staff and KCC staff over WebEx to address any questions or comments from the analysis.*
  - *The results will be compiled into a final consolidated report at the end of the study.*
  - *Burns & McDonnell can be available to present the results of this portion of the work through an onsite workshop if desired by the LCC and other stakeholders (Optional).*

**Deliverables**

Final Report Section
On-Site Interim Workshops (Optional)

**TASK 9 – COMMERCIAL & INDUSTRIAL ECONOMIC DEVELOPMENT RATES**
The Kansas LCC requests that the consultant establish “The impact of contract rates with commercial and industrial customers and economic development rates on other customer classes, including whether expanded utilization of such approaches can benefit all customers over time”. To address this question Burns & McDonnell will complete the following.

- Conduct research and review previously filed testimony filed by KCP&L, Westar, and the KCC to establish the baseline regulatory framework as it exists today. Review previously prepared calculations, costs, and revenues submitted to the KCC as part of publicly filed testimony. Document and summarize previous findings along with information gathered from utilities.
- Burns & McDonnell will review the existing economic development rates (EDRs) or any special contract rates for both Westar and Evergy and request customer information from both entities on the number of customers, usage data, rates, and revenues. Information is assumed to be kept confidential (no customer names).
The actual impact of offering the EDRs and special contract rates will be quantified as applicable depending on the number of customers and level of information that is available. If actual customer data is not available to perform the analysis, a representative large industrial customer will be developed.

Most EDR’s have a 5-year phase out period. The average annual lost revenues over 5 years associated with the EDR will be quantified along with its impact to the utility and other customer classes. For this analysis, a 5-year rate case cycle will be assumed.

The analysis will be summarized and presented to the LCC staff and KCC staff over WebEx to address any questions or comments from the analysis.

The results will be compiled into a final consolidated report at the end of the study.

Burns & McDonnell can be available to present the results of this portion of the work through an onsite workshop if desired by the LCC and other stakeholders (Optional).

Deliverables
Final Report Section
On-Site Interim Workshops (Optional)

**TASK 10 – COST OF SERVICE AND COST CAUSATION**

The Kansas LCC requests that the consultant establish “Whether Kansas electric public utilities recover their costs of serving customers from each customer class on the basis of cost causation”. To address this question Burns & McDonnell will complete the following.

- Conduct research and review previously filed testimony filed by KCP&L, Westar, and the KCC to establish the baseline regulatory framework as it exists today. Review previously prepared calculations, costs, and revenues submitted to the KCC as part of publicly filed testimony. Document and summarize previous findings along with information gathered from utilities.
- Burns & McDonnell will review recently filed cost of service studies of Westar and KCP&L Kansas (i.e. 2018 filings) to identify if costs are being recovered in line with the cost of service study results.
- The method of allocating costs will be reviewed to determine if they are allocated to each class based on cost causation. For example, are fixed generation costs being allocated using an industry recognized method for allocating generation capacity (i.e. Average and Excess, Peak and Average, etc.).
- For both Westar and KCP&L Kansas, Burns & McDonnell will validate that each utility is attempting to recover costs based on their cost of service.
- Burns & McDonnell will review the existing rate structures of the two utilities and determine if the rates are recovering costs on the basis of cost causation. This will include Residential, Small General Service, and Large General Service classes.
- Recognizing that significant work and changes have been made as part of the 403 docket regarding customers with solar, we will review those new 3 part rates to evaluate their cost of service basis.
- The analysis will be summarized and presented to the LCC staff and KCC staff over WebEx to address any questions or comments from the analysis.
- The results will be compiled into a final consolidated report at the end of the study.
- Burns & McDonnell can be available to present the results of this portion of the work through an onsite workshop if desired by the LCC and other stakeholders (Optional).

Deliverables
Final Report Section
On-Site Interim Workshops (Optional)
TASK 11 – SECURITY AND GRID STABILIZATION RATE IMPACTS
The Kansas LCC requests that the consultant establish “How cyber and physical security and grid stabilization efforts have affected, or are projected to affect, electric public utility rates”. To address this question Burns & McDonnell will complete the following.

► Conduct research and review previously filed testimony filed by KCP&L, Westar, and the KCC to establish the baseline regulatory framework as it exists today. Review previously prepared calculations, costs, and revenues submitted to the KCC as part of publicly filed testimony. Document and summarize previous findings along with information gathered from utilities.
► Prepare an independent analysis of the costs to physically secure a substation, monitor transmission lines, and build the grid in a more resilient fashion to provide redundancy in key locations.
► Grid Stabilization will take advantage of the work done on resiliency and on the growth of renewables in Kansas and those projections.
► The grid stabilization assessment will draw on Hawaii and California dockets and California Energy Commission reports on issues with grid stabilization. Building on the resiliency work above the grid stabilization costs will be calculated in a range based on projected load changes and increase in variable renewables.
► Review the work done in Florida, New Jersey and California on physical and cyber security based on filed rate cases, and reports to the California Energy Commission.
► Determine the cost per KWH for generation, transmission and distribution based on future projections of cost. The numbers will be broken into physical security, cyber-security, and grid stabilization. If non-confidential information can be provided by the Kansas utilities and used, Burns & McDonnell will consider the use of that information in the analysis.
► The analysis will be summarized and presented to the LCC staff and KCC staff as appropriate to address any questions or comments from the analysis.
► A draft letter report of the findings will be prepared and provided to LCC staff for review. The draft letter report will be incorporated into a final consolidated report.

Deliverables
Final Report Section
On-Site Interim Workshops (Optional)

TASK 12 – VALUE OF INTEGRATED RESOURCE PLANNING
The Kansas LCC requests that the consultant establish “The value of a utility integrated resource planning process that requires state regulatory approval”. To address this question Burns & McDonnell will complete the following.

► Conduct research and review previously filed testimony filed by KCP&L, Westar, and the KCC to establish the baseline regulatory framework as it exists today. Document and summarize previous findings along with information gathered from utilities.
► Conduct research regarding other state/jurisdiction requirements regarding an integrated resource planning process. Document and summarize findings.
► Conduct research on publicly available IRPs and develop list of activities and approaches. Specific areas of focus will include stakeholder engagement, scenario and risk analysis, and tools/models. Document and summarize findings.
► Characterize benefits associated with various IRP approaches and tools and provide any documented costs for software, consulting fees, etc.
► The analysis will be summarized and presented to the LCC staff and KCC staff over WebEx to address any questions or comments from the analysis.
► The results will be compiled into a final consolidated report at the end of the study.
► Burns & McDonnell can be available to present the results of this portion of the work through an onsite workshop if desired by the LCC and other stakeholders (Optional).
**Deliverables**
Final Report Section
On-Site Interim Workshops (Optional)

**TASK 13 – ECONOMICS OF GENERATION FUELS AND ELECTRIC COSTS**
The Kansas LCC requests that the consultant establish “Economic analysis of the price fluctuations of generation fuels on the cost of electricity”. To address this question Burns & McDonnell will complete the following.

- Conduct research and review previously prepared calculations, costs, and revenues submitted to the KCC as part of publicly filed testimony by KCP&L and Westar. Document and summarize previous findings along with information gathered from utilities.
- Conduct research on historical Kansas load hub LMPs relative to historical natural gas price. Document and summarize findings.
- Utilize SPP PROMOD models from Tasks 5-6 to calculate forward adjusted production cost for both Futures.
- Compare projected load cost to natural gas price relationship from historical prices to projected relationship out of PROMOD simulations.
- Vary the price of generation fuels within the SPP footprint under up to five (5) different individual fuel price scenarios. Examples of fuel price scenarios could include delivered natural gas (2 distinct variations), delivered coal (2 distinct variations), and carbon emission price (1 distinct variation). Utilize PROMOD models to calculate impact to adjusted production cost under the fuel price sensitivity scenarios. The change in adjusted production cost will be reported for each load zone within the state of Kansas in the SPP ITP model. Showing the impact of fuel price changes on each utility based on their distinct power supply portfolio and fuel mix.

  *The analysis will be summarized and presented to the LCC staff and KCC staff over WebEx to address any questions or comments from the analysis.*

  *The results will be compiled into a final consolidated report at the end of the study.*

  *Burns & McDonnell can be available to present the results of this portion of the work through an onsite workshop if desired by the LCC and other stakeholders (Optional).*

**Deliverables**
Final Report Section
On-Site Interim Workshops (Optional)

**TASK 14 – FINAL REPORT**
Burns & McDonnell will compile the individual report sections into a final report to be delivered to the LCC. Our scope of work and fee estimate assumes that Burns & McDonnell will issue a draft report and will incorporate one round of consolidated comments from the LCC. Burns & McDonnell will review the comments and independently address each comment. Any additional reports, appendices, or supplemental information is not included. We have not assumed any onsite presentations, or workshops in our base scope of work. An additional final presentation can be provided at the end of the study at the LLC’s request.

**Deliverables**
Final Report
Final Project Team Presentation (Optional)
TASK 15 – PROJECT MANAGEMENT
Upon selection, Burns & McDonnell will work with the LCC to develop a project schedule that allows timely receipt of data, KCC and utility stakeholder meetings, and interim review of deliverables.

Burns & McDonnell will set up a project share point site for delivery of secure data to the project consulting team. We will provide the LCC and/or KCC access to this site to enable quick and timely receipt of data early on in the project.

The project manager will provide bi-weekly status updates to the LCC and KCC points of contact throughout the study process. During each bi-weekly status update, we will document activities completed over the previous two weeks and activities coming up over the upcoming two weeks. The project manager and assistant project manager will participate on these bi-weekly calls.

Draft and final project deliverables will be uploaded to the secure project Sharepoint site to document draft deliverables, comments on draft deliverables, and final project deliverables during the project.
Study and Project Assumptions

1) Data will be provided by stakeholders in a timely fashion, from request to delivery will be 14 calendar days or less.
2) No more than 10 dockets total from 5 selected states will be reviewed as background within each task.
3) The Final Report Sections will not exceed 15 pages including tables and appendices.
4) The outline for the final section will be approved by the stakeholders within 10 business days of initial presentation.
5) The presentation of results for each task will be done to all stakeholders in a single session.
6) Stakeholder engagement will be done by conference call that will be recorded.
7) Work will be done at the location of the consultant, except for the final presentation of results.
References

Evergy
Brad Lutz
Senior Manager of Regulatory Affairs
(816) 654-1689

Midwest Energy
William (Bill) Dowling
Vice President Energy Management
(785) 625-1432

Southwest Power Pool
Antoine Lucas
Director of Planning
(501) 614-3382

White Energy LLC (Ethanol)
Grant Johanson
Chief Operating Officer
(402) 759-1920
Burns & McDonnell Engineering Company, Inc. proposes to do this work under the agreement on the following pages.

*Burns & McDonnell agrees to work under the terms of DA146a.*
**1. SCOPE OF SERVICES**
For the above-referenced Project, Burns & McDonnell Engineering Company, Inc. (BMcD) will perform the services set forth in the above-referenced Letter, Proposal, or Agreement, in accordance with these Terms and Conditions. BMcD has relied upon the information provided by Client in the preparation of the Proposal, and shall rely on the information provided by or through Client during the execution of this Project as complete and accurate without independent verification.

**2. PAYMENTS TO BMCD**
A. Compensation will be as stated in the above-referenced Letter, Proposal, or Agreement. Statements will be in BMcD's standard format and are payable upon receipt. Time is of the essence in payment of statements, and timely payment is a material part of the consideration of this Agreement. A late payment charge will be added to all amounts not paid within 30 days of statement date and shall be calculated at 1.5 percent per month from statement date. Client shall reimburse any costs incurred by BMcD in collecting any delinquent amount, including reasonable attorney’s fees. If a portion of BMcD's statement is disputed, Client shall pay the undisputed portion by the due date. Client shall advise BMcD in writing of the basis for any disputed portion of any statement.

B. Taxes as may be imposed on professional consulting services by state or local authorities shall be in addition to the payment stated in the above-referenced Letter, Proposal, or Agreement.

**3. INSURANCE**
A. During the course of performance of its services, BMcD will maintain Worker's Compensation insurance with limits as required by statute, Employer's Liability insurance with limits of $1,000,000, and Commercial General Liability and Automobile Liability insurance each with combined single limits of $1,000,000.

B. If the Project involves on-site construction, construction contractors shall be required to provide (or Client may provide) Owner's Protective Liability Insurance naming Client as a Named Insured and BMcD as an Additional Insured or to endorse Client and BMcD using ISO form CG 20 10 11 85 endorsement or its equivalent as Additional Insureds on all construction contractor's liability insurance policies covering claims for personal injuries and property damage in at least the amounts required of BMcD in 3A above. Construction contractors shall be required to provide certificates evidencing such insurance to Client and BMcD. Contractor's compensation shall include the cost of such insurance including coverage for contractual and indemnification obligations herein.

C. Client and BMcD release each other and waive all rights of subrogation against each other and their officers, directors, agents, or employees for damage covered by property insurance during and after the completion of BMcD's services. A provision similar to this shall be incorporated into all construction contracts entered into by Client, and all construction contractors shall be required to provide waivers of subrogation in favor of Client and BMcD for damage covered by any construction contractor's property insurance.

**4. INDEMNIFICATION**
A. To the extent allowed by law, Client will require all construction contractors to indemnify, defend, and hold harmless Client and BMcD from any and all loss where loss is caused or alleged to be caused in whole or in part by the construction contractors, their employees, agents, subcontractors or suppliers.

B. If this Project involves construction and BMcD does not provide consulting services during construction including, but not limited to, on-site monitoring, site visits, site observation, shop drawing review, and/or design clarifications, Client agrees to indemnify and hold harmless BMcD from any liability arising from this Project or Agreement, except to the extent caused by BMcD’s negligence.

**5. PROFESSIONAL RESPONSIBILITY—LIMITATION OF REMEDIES**
A. BMcD will exercise reasonable skill, care, and diligence in the performance of its services and will carry out its responsibilities in accordance with customarily accepted professional practices. If BMcD fails to meet the foregoing standard, BMcD will perform at its own cost, the professional services necessary to correct errors and omissions reported to BMcD in writing within one year from the completion of BMcD's services for the Project. No warranty, express or implied, is included in this Agreement or regarding any drawing, specification, or other work product or instrument of service.

B. In no event will BMcD be liable for any special, indirect, or consequential damages including, without limitation, damages or losses in the nature of increased Project costs, loss of revenue or profit, lost production, claims by customers of Client, and/or governmental fines or penalties.

C. BMcD’s aggregate liability for all damages connected with its services for the Project not excluded by the preceding subparagraph, whether or not covered by BMcD’s insurance, will not exceed $100,000.

D. These mutually negotiated obligations and remedies stated in this Paragraph 5, Professional Responsibility – Limitation of Remedies, are the sole and exclusive obligations of BMcD and remedies of Client, whether liability of BMcD is based on contract, warranty, strict liability, tort (including negligence), indemnity, or otherwise.

**6. PERIOD OF SERVICE AND SCHEDULE**
The provisions of this Agreement have been agreed to in anticipation of the orderly and continuous progress of the Project through completion of the services stated in the Proposal. BMcD’s obligation to render services hereunder will extend for a period that may reasonably be required for the completion of said services. BMcD shall make reasonable efforts to comply with deliverable schedules (if any) and consistent with BMcD’s professional responsibility.

**7. COMPUTER PROGRAMS OR MODELS**
Any use, development, modification, or integration by BMcD of computer models or programs does not constitute ownership or a license to Client to use or modify such computer models or programs.

**8. ELECTRONIC MEDIA AND DATA TRANSMISSIONS**
A. Any electronic media (computer disks, tapes, etc.) or data transmissions furnished (including Project Web Sites or CAD file transmissions) are for Client information and convenience only. Such media or transmissions are not to be considered part of BMcD's instruments of service. BMcD, at its option, may remove all indicia of its ownership and involvement from each electronic display.

B. BMcD shall not be liable for loss or damage directly or indirectly, arising out of Client's use of electronic media or data transmissions.

**9. DOCUMENTS**
A. All documents prepared by BMcD pursuant to this Agreement are instruments of service in respect of the Project specified herein. They are not intended or represented to be suitable for reuse by Client or others in extensions of the Project beyond that now contemplated or on any other Project. Any reuse, extension, or completion by Client or others without written verification, adaptation, and permission by BMcD for the specific purpose intended will be at Client’s sole risk and without liability or legal exposure to BMcD.
B. In the event that BMcD is to reuse, copy or adapt all or portions of reports, plans, or specifications prepared by others, Client represents that Client either possesses or will obtain permission and necessary rights in copyright, patents, or other proprietary rights and will be responsible for any infringement claims by others. Client warrants the completeness, accuracy, and efficacy of the information, data, and design provided by or through Client (including prepared for Client by others), for which BMcD shall rely on to perform and complete its services.

10. ESTIMATES, SCHEDULES, FORECASTS, AND PROJECTIONS
Estimates, schedules, forecasts, and projections prepared by BMcD relating to loads, interest rates and other financial analysis parameters, construction costs and schedules, operation and maintenance costs, equipment characteristics and performance, and operating results and opinions based on BMcD’s experience, qualifications, and judgment as a professional. Since BMcD has no control over weather, cost and availability of labor, cost and availability of material and equipment, cost of fuel or other utilities, labor productivity, construction contractor’s procedures and methods, unavoidable delays, construction contractor’s methods of determining prices, economic conditions, government regulations and laws (including the interpretation thereof), competitive bidding or market conditions, and other factors affecting such estimates or projections, BMcD does not guarantee that actual rates, costs, quantities, performance, schedules, etc., will not vary significantly from estimates and projections prepared by BMcD.

11. POLLUTION
In view of the uncertainty involved in investigating and recommending solutions to environmental problems and the abnormal degree of risk of claims imposed upon BMcD in performing such services, notwithstanding the responsibility of BMcD set forth in Paragraph 5A to the maximum extent allowed by law, Client agrees to release, defend, indemnify and hold harmless BMcD and its officers, directors, employees, agents, consultants and subcontractors from all liability, claims, demands, damages, losses, and expenses including, but not limited to, claims of Client and other persons and organizations, reasonable fees and expenses of attorneys and consultants, and court costs, except where there has been a final adjudication that the damages were caused by BMcD’s willful disregard of its obligations under this Agreement. Such indemnification includes claims arising out of, or in any way relating to, the actual, alleged, or threatened dispersal, escape, or release of, or failure to detect or contain, chemicals, wastes, liquids, gases, or any other material, irritant, contaminant, or pollutant.

12. ON-SITE SERVICES
A. Project site visits by BMcD during investigation, observation, construction or equipment installation, or the furnishing of Project representatives shall not make BMcD responsible for construction means, methods, techniques, sequences, or procedures; for construction safety precautions or programs; or for any construction contractor(s’) failure to perform its work in accordance with the contract documents.

B. Client shall disclose to BMcD the location and types of any known or suspected toxic, hazardous, or chemical materials or wastes existing on or near the premises upon which work is to be performed by BMcD’s employees or subcontractors. If any hazardous wastes not identified by Client are discovered after a Project is undertaken, Client and BMcD agree that the scope of services, schedule, and compensation may be adjusted accordingly. Client agrees to release BMcD from all damages related to any pre-existing pollutant, contaminant, toxic, or hazardous substance at the site.

13. CHANGES
Client shall have the right to make changes within the general scope of BMcD’s services, with an appropriate change in compensation and schedule, upon execution of a mutually acceptable amendment or change order signed by authorized representatives of Client and BMcD.

14. TERMINATION
Services may be terminated by Client or BMcD by seven (7) days’ written notice in the event of substantial failure to perform in accordance with the terms hereof by the other party through no fault of the terminating party. If so terminated, Client shall pay BMcD all amounts due BMcD for all services properly rendered and expenses incurred to the date of receipt of notice of termination, plus reasonable costs incurred by BMcD in terminating the services. In addition, Client may terminate the services for Client’s convenience upon payment of twenty percent of the yet unearned and unpaid estimated, lump sum, or not-to-exceed fee, as applicable.

15. DISPUTES, NEGOTIATIONS, MEDIATION
A. If a dispute arises relating to the performance of the services to be provided and, should that dispute result in litigation, it is agreed that the substantially prevailing party (as determined in equity by the court) shall be entitled to recover all reasonable costs of litigation, including staff time, court costs, attorney’s fees and other related expenses.

B. The parties shall participate in good faith negotiations to resolve any and all disputes. Should negotiations fail, the parties agree to submit to and participate in a third party-facilitated mediation as a condition precedent to resolution by litigation. Unless otherwise agreed to, mediation shall be conducted under the rules of the American Arbitration Association and shall be held in Kansas City, Missouri.

C. The parties agree that any dispute between them, including any action against an officer, director or employee of a party, arising out of or related to this Agreement, whether in contract or tort, not resolved through direct negotiation and mediation, shall be resolved by litigation in the state or federal courts located in Jackson County, Missouri, and each party expressly consents to jurisdiction therein. Any litigation to compel or enforce, or otherwise affect the mediation shall be in state or federal courts located in Jackson County, Missouri, and each party expressly consents to jurisdiction therein.

D. Causes of action between the parties shall accrue, and applicable statutes of limitation shall commence to run the date BMcD’s services are substantially complete.

16. WITNESS FEES
A. BMcD’s employees shall not be retained as expert witnesses, except by separate written agreement.

B. Client agrees to pay BMcD pursuant to BMcD’s then current schedule of hourly labor billing rates for time spent by any employee of BMcD responding to any subpoena by any party in any dispute as an occurrence witness or to assemble and produce documents resulting from BMcD’s services under this Agreement.

17. CONTROLLING LAW
This Agreement shall be subject to, interpreted and enforced according to the laws of the State of Missouri without regard to any conflicts of law provisions.

18. RIGHTS AND BENEFITS – NO ASSIGNMENT
BMcD’s services will be performed solely for the benefit of Client and not for the benefit of any other persons or entities. Neither Client nor BMcD shall assign or transfer interest in this Agreement without the written consent of the other.

19. ENTIRE CONTRACT
These Terms and Conditions and the above-referenced Letter, Proposal, or Agreement contain the entire agreement between BMcD and Client relative to BMcD’s services for the Project herein. All previous or contemporaneous agreements, representations, promises, and conditions relating to BMcD’s services for the Project are superseded. Since terms contained in purchase orders do not generally apply to professional services, in the event Client issues to BMcD a purchase order, no preprinted terms thereon shall become part of this Agreement. Said purchase order documents, whether or not signed by BMcD, shall be considered only as an internal document of Client to facilitate administrative requirements of Client’s operations.

20. SEVERABILITY
Any unenforceable provision herein shall be amended to the extent necessary to make it enforceable; if not possible, it shall be deleted and all other provisions shall remain in full force and effect.

- END -
SIGNATURE SHEET

Item: Consulting Services to Perform Study of Consequential Issues Materially Affecting Kansas Electricity Rates
Agency: Legislative Coordinating Council on Behalf of Kansas Legislature
Closing Date: October 1, 2019, 5:00pm (CDT)

By submission of a bid and the signatures affixed thereto, the bidder certifies all products and services proposed in the bid meet or exceed all requirements of this specification as set forth in the request and that all exceptions are clearly identified.

Legal Name of Person, Firm or Corporation Burns & McDonnell Engineering Company, Inc.
Mailing Address 9400 Ward Parkway City & State Kansas City, MO Zip 64114
Office Phone Number 816-333-9400 Local Number
Cell Phone Number Fax Number 816-333-3690

CAUTION: If your tax number is the same as your Social Security Number (SSN), you must leave this line blank. DO NOT enter your SSN on this signature sheet. If your SSN is required to process a contract award, including any tax clearance requirements, you will be contacted by the Office of Legislative Administrative Services.

E-Mail cunderwood@burnsmcd.com
Signature _______________ Date 9/27/19
Typed Name Chris Underwood Title Vice President

In the event the contact for the bidding process is different from above, indicate contact information below.

Bidding Process Contact Name Adam Young
Mailing Address 9400 Ward Parkway City & State Kansas City, MO Zip 64114
Office Phone Number 816-822-3957 Local Number
Cell Phone Number Fax Number 816-333-3690
E-Mail ayoung@burnsmcd.com
CERTIFICATION OF COMPANY

NOT CURRENTLY ENGAGED IN A BOYCOTT OF GOODS or SERVICES FROM ISRAEL

In accordance with HB 2482, 2018 Legislative Session, the State of Kansas shall not enter into a contract with a Company to acquire or dispose of goods or services with an aggregate price of more than $100,000, unless such Company submits a written certification that such Company is not currently engaged in a boycott of goods or services from Israel that constitutes an integral part of business conducted or sought to be conducted with the State.

As a Contractor entering into a contract with the State of Kansas, it is hereby certified that the Company listed below is not currently engaged in a boycott of Israel as set forth in HB 2482, 2018 Legislature.

[Signature]
Vice President

9/27/19
Date

Chris Underwood
Printed

Burns & McDonnell Engineering Company, Inc.
Name of Company
Tax Clearance Submission

Click here to print this page.

Your Transaction ID for this request is:
T6A8-EAB4-NG7S

This Transaction ID will be required to view your tax clearance status.

Your request for tax clearance was submitted on 09/27/2019
and will take approximately one business day to process.

If you provided an email address, you will receive an email containing this Transaction ID and a link back to this website to check your tax clearance status.

New Request  Exit