

Missouri Public Service Commission

Data Request

Data Request No. 0089.1
Company Name Union Electric Company-Investor(Electric)
Case/Tracking No. ER-2021-0240
Date Requested 6/15/2021
Issue Expense - Rate Case Expense
Requested From Geri Best
Requested By Jeff Keevil
Brief Description Consultant Hours

Description For each invoice included in the response to Staff Data Request No. 89, please provide a breakdown of the billable hours charged by each consultant. Please update this response as DR 89 is updated through September 30, 2021. Requested by Jason Kunst (Jason.Kunst@psc.mo.gov)

Due Date 7/5/2021

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Security Public
Rationale NA

Missouri Public Service Commission

Data Request

Data Request No. 0104.4
Company Name Union Electric Company-Investor(Electric)
Case/Tracking No. ER-2021-0240
Date Requested 6/11/2021
Issue Rate Design - Class Cost of Service
Requested From Geri Best
Requested By Jeff Keevil
Brief Description 104.2 follow-up re low customer circuits

Description Please refer to the circuits identified below as provided in the Company's response to DR 104.2. For each circuit, please describe whether it effectively functions as a service drop to a single customer or group of affiliated customers. This list was derived by filtering the "Distribution" tab to retain circuits serving 5 or fewer customers then filtering those results to those circuits having 5 or fewer transformers. "Dev Nos": 017007, 017013, 024052, 024053, 113010, 121008, 134056, 135006, 144053, 144054, 144057, 148004, 148007, 158001, 158003, 160004, 161052, 174013, 174014, 192001, 202010, 202012, 203057, 234051, 234052, 234053, 234054, 234055, 254057, 273051, 278002, 281052, 281053, 285052, 285053, 287054, 287058, 287060, 292056, 298001, 298006, 316054, 381001, 381003, 383054, 393057, 547058, 577057, 614001, 614004, 620056, 708001, 723001, 737002, 779051, 792051, 798001, 856056, 858052, 870001, 922056, 944053, 974003, 975051, 976056, AP1002, CE1052, PE1051, TC1051, TX1002, UE1001, UP1001. Sarah Lange (sarah.lange@psc.mo.gov)

Due Date 7/1/2021

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Security Public
Rationale NA

Missouri Public Service Commission

Data Request

Data Request No. 0166.1
Company Name Union Electric Company-Investor(Electric)
Case/Tracking No. ER-2021-0240
Date Requested 6/15/2021
Issue Expense - Rate Case Expense
Requested From Geri Best
Requested By Jeff Keevil
Brief Description Rate Case Bidding

Description 1. Please provide a narrative description of the process and timeline used by Ameren Missouri to select outside firms for the rate case process. 2. Who was responsible for scoring and evaluating the bids? Please provide employee name, job title, and employing entity. If any outside parties were utilized please provide their name, title, employer, and amount of costs incurred by month, by FERC account and a copy of all external consultant invoices. 3. Please provide a complete copy of all solicited bids by Ameren Missouri for the rate case process. 4. Please provide a complete copy of all unsolicited bids received by Ameren Missouri for the rate case process. 5. Please provide a complete list and explanation of all criteria utilized by Ameren Missouri to score the bids. Provide any weighting of criteria that was assigned and explain why some criteria were assigned more value. 6. Please provide a complete copy of each scoring made individually and cumulatively as was assigned to each bid with all notes and considerations included. 7. If Ameren Missouri did not select the lowest bidder for each category of consultant hired for this rate case, please list all criteria that were considered that justified the selection of a more costly option. Requested by Jason Kunst (Jason.Kunst@psc.mo.gov)

Due Date 7/5/2021

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Security Public
Rationale NA

Missouri Public Service Commission

Data Request

Data Request No. 0573
Company Name Union Electric Company-Investor(Electric)
Case/Tracking No. ER-2021-0240
Date Requested 6/11/2021
Issue Rate Base - Construction Audit/Engineering Review
Requested From Geri Best
Requested By Jeff Keevil
Brief Description High Prairie - Closing

Description 1) Please identify the date Ameren Missouri closed on the High Prairie Renewable Energy Center. 2) Please provide a copy of all journal entries to record the purchase of the facility. 3) Please provide the payment date, payment reason, and journal entries for payments Ameren Missouri has made to the developer prior to closing on the High Prairie Renewable Energy Center. 4) Please provide the payment date, payment reason, and journal entries for payments Ameren Missouri has made post closing to the developer for the High Prairie Renewable Energy Center. 5) Is Ameren Missouri required to or anticipate making any additional payments to the developer for the High Prairie Renewable Energy Center wind facility? Requested by Jason Kunst (Jason.Kunst@psc.mo.gov)

Due Date 7/1/2021

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Security Public
Rationale NA

Missouri Public Service Commission

Data Request

Data Request No. 0574
Company Name Union Electric Company-Investor(Electric)
Case/Tracking No. ER-2021-0240
Date Requested 6/11/2021
Issue Rate Base - Construction Audit/Engineering Review
Requested From Geri Best
Requested By Jeff Keevil
Brief Description Atchison - Closing

Description 1) Please identify the date Ameren Missouri closed on the Atchison Renewable Energy Center. 2) Please provide a copy of all journal entries to record the purchase of the facility. 3) Please provide the payment date, payment reason, and journal entries for payments Ameren Missouri has made to the developer prior to closing on the Atchison Renewable Energy Center. 4) Please provide the payment date, payment reason, and journal entries for payments Ameren Missouri has made post closing to the developer for the Atchison Renewable Energy Center. 5) Is Ameren Missouri required to or anticipate making any additional payments to the developer for the Atchison Renewable Energy Center? Requested by Jason Kunst (Jason.Kunst@psc.mo.gov)

Due Date 7/1/2021

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Security Public
Rationale NA

Missouri Public Service Commission

Data Request

Data Request No. 0582
Company Name Union Electric Company-Investor(Electric)
Case/Tracking No. ER-2021-0240
Date Requested 6/14/2021
Issue Expense - Fuel Expenses
Requested From Geri Best
Requested By Jeff Keevil
Brief Description "Must Run" changes

Description On page 7 of Mr. Peter's Direct testimony, Mr. Peters states "We have removed the must run unit commitment status for the Labadie, Rush Island and Sioux coal fired generating units, thus allowing the model to place these units in reserve shutdown." Please provide all rationale behind the method of modeling in this case and documentation showing the change in bidding of these units. Shawn Lange (Shawn.Lange@psc.mo.gov)

Due Date 7/4/2021

The attached information provided to Missouri Public Service Commission Staff in response to the above data information request is accurate and complete, and contains no material misrepresentations or omissions, based upon present facts of which the undersigned has knowledge, information or belief. The undersigned agrees to immediately inform the Missouri Public Service Commission Staff if, during the pendency of Case No. ER-2021-0240 before the Commission, any matters are discovered which would materially affect the accuracy or completeness of the attached information.

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Security Public
Rationale NA

Missouri Public Service Commission

Data Request

Data Request No.	0592
Company Name	Union Electric Company-Investor(Electric)
Case/Tracking No.	ER-2021-0240
Date Requested	6/14/2021
Issue	Rate Design - Class Cost of Service
Requested From	Geri Best
Requested By	Jeff Keevil
Brief Description	Demand determinants

Description Data Request Information Refer to the "Corrected Non-Unanimous Stipulation and Agreement" in ER-2019-0335, providing "Upon request by Staff, the Company shall make available determinants associated with the potential creation of a coincident peak demand charge for all classes, which may be based on either fifteen (15) minute or one (1) hour readings. Data shall be made available in the form of hourly usage per customer and aggregate hourly usage by rate schedule with and without applicable metering or voltage adjustments." For each month for which data is available, and for each rate schedule, please provide hourly usage per customer and aggregate hourly usage by rate schedule with and without applicable metering or voltage adjustments. Please indicate whether data provided is based on load research data or gross AMI meter data, and whether such load data is derived from load research sample customer, aggregated AMI readings, or some other source. Sarah Lange (sarah.lange@psc.mo.gov)

Due Date 7/4/2021

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Security	Public
Rationale	NA

Missouri Public Service Commission

Data Request

Data Request No. 0615
Company Name Union Electric Company-Investor(Electric)
Case/Tracking No. ER-2021-0240
Date Requested 6/17/2021
Issue Rate Design - Class Cost of Service
Requested From Geri Best
Requested By Jeff Keevil
Brief Description Service Drop Ratings

Description For each of the following customer types, please describe the operational characteristics of the typical overhead and underground service drop, including but not limited to maximum instantaneous and maximum continuous amperage, kW, voltage, etc, at both single phase and three phase: 1 Residential Underground Single phase , 2 Residential Underground Three phase , 3 Residential Overhead Single phase , 4 Residential Overhead Three phase , 5 SGS Underground Single phase , 6 SGS Underground Three phase , 7 SGS Overhead Single phase , 8 SGS Overhead Three phase , 9 LGS Underground Single phase , 10 LGS Underground Three phase , 11 LGS Overhead Single phase , 12 LGS Overhead Three phase , 13 SPS/LPS Underground Single phase , 14 SPS/LPS Underground Three phase , 15 SPS/LPS Overhead Single phase , 16 SPS/LPS Overhead Three phase . Sarah Lange (sarah.lange@psc.mo.gov)

Due Date 7/7/2021

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Security Public
Rationale NA

Missouri Public Service Commission

Data Request

Data Request No.	0618
Company Name	Union Electric Company-Investor(Electric)
Case/Tracking No.	ER-2021-0240
Date Requested	6/17/2021
Issue	Tariff Issue - Other Tariff Issues
Requested From	Geri Best
Requested By	Jeff Keevil
Brief Description	Customer Contributions by Voltage and Service Classification
Description	Please provide, by month, by voltage, and by service classification, the customer contributions made pursuant to the line extension policy approved in ET-2018-0132. Sarah Lange (sarah.lange@psc.mo.gov)
Due Date	7/7/2021

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Security	Public
Rationale	NA

Missouri Public Service Commission

Data Request

Data Request No. 0619
Company Name Union Electric Company-Investor(Electric)
Case/Tracking No. ER-2021-0240
Date Requested 6/17/2021
Issue Tariff Issue - Other Tariff Issues
Requested From Geri Best
Requested By Jeff Keevil
Brief Description Line Extension Samples

Description Please provide, samples of extensions made pursuant to the line extension policy approved in ET-2018-0132. For each year, provide the initial cost and revenue information associated with 20 customers seeking extension under each rate schedule (if less than 20 customers sought extension provide all customers seeking extension). Provide actual cost and revenue information for all sampled customers to date. Sarah Lange (sarah.lange@psc.mo.gov)

Due Date 7/7/2021

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Security Public
Rationale NA

Missouri Public Service Commission

Data Request

Data Request No.	0648
Company Name	Union Electric Company-Investor(Electric)
Case/Tracking No.	ER-2021-0240
Date Requested	6/24/2021
Issue	Expense - A&G - Miscellaneous A&G Expense
Requested From	Geri Best
Requested By	Jeff Keevil
Brief Description	900 Accounts - Further Detail

See Attachment

Description	1. On the attached excel file, please provide a detailed explanation for each amount listed. Please provide for each line item a) the purpose of each item, b) what benefits the ratepayer has/will receive as a result of each amount charged, c) a copy of the invoice, and d) indicate if each amount is one time or recurring expense. Jane Dhority (Jane.Dhority@psc.mo.gov).
Due Date	7/14/2021

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Security	Public
Rationale	NA

Ameren Missouri's
Response to MPSC Data Request - MPSC
ER-2021-0240

In the Matter of Union Electric Company d/b/a Ameren Missouri's Tariffs to Adjust Its Revenues
for Electric Service

No.: MPSC 0301

With respect to all litigation related to all of Ameren Missouri's Callaway nuclear spent fuel storage matters: 1) Provide a list of all active and finalized lawsuits, arbitration, legal claims or any other form of litigation entered into by Ameren Missouri on its own and also as part of a group action that address the DOE's failure to provide a permanent spent fuel storage facility. Include the date that each such lawsuit was filed, the case numbers for each lawsuit, and describe the result or settlement of each lawsuit, if any. 2) Through use of a narrative timeline explanation please describe all developments that have occurred during the period covering August 1, 2019 through December 31, 2020, updating through September 30, 2021 that address status of the situation between Ameren Missouri and the DOE in relation to spent fuel costs. Also include a discussion of the status of all settlements reached and the future outlook for additional reimbursements. 3) Please list each reimbursement separately and provide the dates and the amounts of each reimbursement received by Ameren Missouri from DOE. 4) For each reimbursement explain and describe what the reimbursement was intended to address and how Ameren Missouri ensured that its Missouri electric ratepayers were made whole (held harmless) for each reimbursement that was received. Also indicate Ameren Missouri's proposed ratemaking treatment for each settlement. 5) Provide all journal entries used to record each of the reimbursements on Ameren Missouri's books and records, by date, by amount and by FERC account. 6) Provide a copy of all court orders and settlement agreements that identify what specific costs each separate reimbursement was intended to address. Specifically identify all capital cost items and expense items separately. 7) If proceeds for any future reimbursements have not yet been received when does Ameren Missouri anticipate receiving the reimbursements, what amount is each expected reimbursement and how does Ameren Missouri intend to treat each future reimbursement for ratemaking purposes? Data Request requested by Lisa Ferguson (Lisa.Ferguson@psc.mo.gov).

RESPONSE

Prepared By: Scott Huber
Title: Senior Corporate Counsel
Date: 5/24/21

1) Union Electric Company d/b/a Ameren Missouri (Ameren Missouri) is party to a settlement agreement reached with the United States on June 30, 2011 in matter No. 04-0097C for reimbursement of costs associate with the United States Department of Energy's failure to honor

its obligations under a Standard Contract for the acceptance of spent nuclear fuel and high-level radioactive waste under the Nuclear Policy Act. An Addendums to the Settlement Agreement were executed on March 6, 2014, on February 24, 2017, and on November 1, 2020, ultimately extending the Settlement Agreement to December 31, 2022.

2) On March 14, 2019, Ameren Missouri submitted its claim for reimbursement to the United States under the Settlement Agreement for 2018 expenses in the amount of \$21,176,548.51. On July 18, 2019, the United States approved payment of the claim in the amount of \$21,176,040.30. On August 14, 2019, Ameren received payment on the claim from the United States in the amount of \$21,176,040.30. On March 20, 2020, Ameren Missouri submitted its claim for reimbursement to the United States under the Settlement Agreement for 2019 expenses in the amount of \$9,896,559.97. On July 9, 2020, the United States approved payment of the claim in the amount of \$9,896,559.97. On August 17, 2020, Ameren received payment on the claim from the United States in the amount of \$9,896,559.97. On November 1, 2020, Ameren and the United States agreed to an Addendum to Settlement Agreement whereby the Settlement Agreement was extended until December 31, 2022. On March 19, 2021, Ameren Missouri submitted its claim for reimbursement to the United States under the Settlement Agreement for 2020 expenses in the amount of \$9,519,158.77.

3) \$2,920,419.94; October 20, 2017; \$11,035,374.91; September 17, 2018; \$21,176,548.51; August 14, 2019; \$9,896,559.97; August 17, 2020.

4) Includes all direct cost associated with the maintenance of the Independent Spent Fuel Storage Installation (ISFSI) and for the planning, removal of spent fuel and loading of spent fuel into the ISFSI.

5) As appropriate costs are incurred, the costs are recorded to an Accounts Receivable account. When reimbursement is received, the reimbursement is recorded to relieve the Accounts Receivable. See attached file 'MPSC 0301 – DOE Reimbursements 2017 to current' for journal entries for reimbursements received since January 1, 2017.

6) Settlement Agreement and Addenda uploaded as attachments.

7) The claim for reimbursement for 2020 expenses which was submitted in 2021 is expected to be paid by the United States to Ameren Missouri by the end of September 2021.

Ameren Missouri's
Response to MPSC Data Request - MPSC
ER-2021-0240

In the Matter of Union Electric Company d/b/a Ameren Missouri's Tariffs to Adjust Its Revenues
for Electric Service

No.: MPSC 0302

1. Please describe the procedure as to how Ameren Missouri requests reimbursement for spent nuclear fuel costs and how those requests are processed and received from the US Department of Energy. 2. Provide a copy of all policies and procedures that govern the spent nuclear fuel reimbursement process. 3. For each reimbursement that Ameren Missouri has received since the reimbursements first began through September 30, 2021, please provide the amount of reimbursement claimed by Ameren Missouri and also the amount approved and received from the US Department of Energy. Please quantify and explain/provide rationale for each discrepancy between the amounts claimed versus the amounts received for each reimbursement. 4. Please provide any documentation that Ameren Missouri received, since reimbursement began, from the U.S. DOE regarding any discrepancies between amounts claimed and received for spent nuclear fuel reimbursement. 5. Does Ameren Missouri have the ability and does Ameren Missouri intend to extend any settlement agreements with the U.S. DOE subsequent to the current addendum's expiration? If Ameren Missouri intends on extending the agreement, when does the company believe it will do so? If an addendum is executed prior to September 30, 2021, please provide a complete copy of the addendum. 6. Please quantify the total remaining amount of reimbursement that Ameren Missouri is eligible to receive from the U.S. DOE for nuclear spent fuel costs. If the eligible reimbursement amount is not certain, please explain. 7. Once Ameren Missouri has exhausted its spent nuclear fuel reimbursement amounts, will the U.S. DOE reimburse Ameren Missouri for future costs associated with high level nuclear fuel waste disposal methods? 8. Have all capital costs/projects related to spent nuclear fuel been incurred/constructed and offset by reimbursement? Please explain in detail. Data Request requested by Lisa Ferguson (Lisa.Ferguson@psc.mo.gov).

RESPONSE

Prepared By: Scott Huber
Title: Senior Corporate Counsel
Date: 5/24/21

1) In the calendar year following a calendar year in which Ameren Missouri incurs costs relative to its Independent Spent Fuel Storage Installation ("ISFSI"), Ameren Missouri submits a written claim pursuant to the terms of its Settlement Agreement with the United States in Case No. 04-0097C, dated June 30, 2011, with addenda dated March 6, 2014, February 24, 2017, and November 1, 2020.

- 2) Copies of the Settlement Agreement and addenda are attached.
- 3) On March 20, 2017, Ameren Missouri submitted its claim for reimbursement to the United States under the Settlement Agreement for 2016 expenses in the amount of \$2,960,859.82. On July 12, 2017, the United States approved the claim in the amount of \$2,920,419.94. On October 20, 2017, the United States paid the agreed upon amount to Ameren Missouri. On March 14, 2018, Ameren Missouri submitted its claim for reimbursement to the United States under the Settlement Agreement for 2017 expenses in the amount of \$11,859,248.85. On August 9, 2018, the United States approved payment of the claim in the amount of \$11,035,374.91. On or about September 17, 2018, Ameren Missouri received payment on the claim from the United States in the amount of \$11,035,374.91. On March 14, 2019, Ameren Missouri submitted its claim for reimbursement to the United States under the Settlement Agreement for 2018 expenses in the amount of \$21,176,548.51. On July 18, 2019, the United States approved payment of the claim in the amount of \$21,176,040.30. On August 14, 2019, Ameren received payment on the claim from the United States in the amount of \$21,176,040.30. On March 20, 2020, Ameren Missouri submitted its claim for reimbursement to the United States under the Settlement Agreement for 2019 expenses in the amount of \$9,896,559.97. On July 9, 2020, the United States approved payment of the claim in the amount of \$9,896,559.97. On August 17, 2020, Ameren received payment on the claim from the United States in the amount of \$9,896,559.97. On March 19, 2021, Ameren Missouri submitted its claim for reimbursement to the United States under the Settlement Agreement for 2020 expenses in the amount of \$9,519,158.77. This claim for expenses is currently pending review and approval by the United States.
3) \$2,920,419.94; October 20, 2017; \$11,035,374.91; September 17, 2018; \$21,176,548.51; August 14, 2019 and \$9,896,559.97; August 17, 2020. The differences between the amounts claimed and the amounts reimbursed were due to the United Department of Energy determining that certain costs claimed for reimbursement did not meet the criteria set forth in the Settlement Agreement.
- 4) Ameren Missouri intends to extend the Settlement Agreement beyond 2022.
- 5) Based on past course of dealing, it is believed that the United States will consider a request to extend the settlement beyond 2022. Ameren intends to make a request of the United States during the first quarter of 2022.
- 6) The amount of future reimbursements cannot be reasonably estimated with any certainty. Future reimbursements are subject to further extensions of the settlement agreement. Furthermore, the actual costs in any calendar year fluctuate based on actual expenses incurred and tasks completed within the calendar year. For the year prior to the loading of spent fuel into the ISFSI, significant costs for materials will be incurred. These costs vary due to the current material costs, especially steel. In the calendar year that a loading campaign takes place, costs are significantly greater than other years, and those costs may vary significantly from other years where fuel was loaded because more or less fuel canisters may be loaded and labor costs will be different.
- 7) Undetermined at this time.
- 8) Ameren Missouri has received reimbursement of all capital costs incurred relative to the ISFSI which the U.S. Department of Energy has determined to have met the criteria set out in the Settlement Agreement.

Missouri Public Service Commission

Data Request

Data Request No. 0337
Company Name Union Electric Company-Investor(Electric)
Case/Tracking No. ER-2021-0240
Date Requested 5/4/2021
Issue Expense - A&G - Legal Fees
Requested From Geri Best
Requested By Jeff Keevil
Brief Description Outside Services Expense incurred for matters pertaining to Clean Air Act Violations at Rush Island

Description Pertaining to the United States of America, acting at the request of the Administrator of the United States Environmental Protection Agency (US EPA) vs Ameren Missouri (d/b/a Union Electric Company) – Clean Air Act (CAA) Violations at Rush Island legal matters: 1. Please list each external consultant that was hired to assist Ameren Missouri with matters pertaining to the CAA violations from 2019 to present. Also describe the process for how each consultant was evaluated and selected. 2. Indicate all other consultants that were considered but not selected. 3. Please describe the nature of the assistance that was provided by each of the listed consultants in item one above. Also, list and explain all reasons for why Ameren Missouri required such consultants to process all CAA violations lawsuit(s). 4. Please quantify the consultant fees, by FERC account, that were incurred by Ameren Missouri or allocated to Ameren Missouri electric pertaining only to the clean air violation, separately, by each consultant listed in item one above for each of the following 12 month ending periods ending: December 31, 2019 and December 31, 2020. Please update through September 30, 2021 when available. 5. For the period covering January 1, 2019 through September 30, 2021 provide a complete copy of all invoices received from each consultant listed in item (1) above that provide amounts charged, hours billed by hourly rate, description and details of all goods and services provided and that were charged to Ameren Missouri electric for the clean air violation. 6. For item (1) above, provide a complete copy of all engagement letters that were executed with each consultant. Lisa Ferguson (Lisa.ferguson@psc.mo.gov)

Due Date 5/24/2021

The attached information provided to Missouri Public Service Commission Staff in response to the above data information request is accurate and complete, and contains no material misrepresentations or omissions, based upon present facts of which the undersigned has knowledge, information or belief. The undersigned agrees to immediately inform the Missouri Public Service Commission Staff if, during the pendency of Case No. ER-2021-0240 before the Commission, any matters are discovered which would materially affect the accuracy or completeness of the attached information.

If these data are voluminous, please (1) identify the relevant documents and their location (2) make arrangements with requestor to have documents available for inspection in the Union Electric Company-Investor(Electric) office, or other location mutually agreeable. Where identification of a document is requested, briefly describe the document (e.g. book, letter, memorandum, report) and state the following information as applicable for the particular document: name, title number, author, date of publication and publisher, addresses, date written, and the name and address of the person(s) having possession of the document. As used in this data request the term "document(s)" includes publication of any format, workpapers, letters, memoranda, notes, reports, analyses, computer analyses, test results, studies or data, recordings, transcriptions and printed, typed or written materials of every kind in your possession, custody or control or within your knowledge. The pronoun "you" or "your" refers to Union Electric Company-Investor(Electric) and its employees, contractors, agents or others employed by or acting in its behalf.

**Security
Rationale**

Public
NA

Missouri Public Service Commission

Data Request

Data Request No. 0102.1
Company Name Union Electric Company-Investor(Electric)
Case/Tracking No. ER-2021-0240
Date Requested 6/17/2021
Issue Rate Base - Other Rate Base Issues
Requested From Geri Best
Requested By Jeff Keevil
Brief Description Smart Energy Plan

Description Response to Staff Data Request 102 includes a spreadsheet titled "mpsc 0102 is projects_201901_202102_submission" which includes Smart Energy Plan projects that were in-service during the period January 2019 through February 2021. Please update this spreadsheet to include the actual in-service date for each project number. Requested by Claire Eubanks (Claire.eubanks@psc.mo.gov)
Due Date 7/7/2021

The attached information provided to Missouri Public Service Commission Staff in response to the above data information request is accurate and complete, and contains no material misrepresentations or omissions, based upon present facts of which the undersigned has knowledge, information or belief. The undersigned agrees to immediately inform the Missouri Public Service Commission Staff if, during the pendency of Case No. ER-2021-0240 before the Commission, any matters are discovered which would materially affect the accuracy or completeness of the attached information.

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Security Public
Rationale NA

Missouri Public Service Commission

Data Request

Data Request No. 0102.2
Company Name Union Electric Company-Investor(Electric)
Case/Tracking No. ER-2021-0240
Date Requested 6/17/2021
Issue Rate Base - Other Rate Base Issues
Requested From Geri Best
Requested By Jeff Keevil
Brief Description Smart Energy Plan

Description Response to Staff Data Request 102 includes a spreadsheet titled "mpsc 0102 is projects_201901_202102_submission" which includes Smart Energy Plan projects that were in-service during the period January 2019 through February 2021. For the following projects provide the Project Notification Project Charter: 23581 LBD - U2 LOWER SLOPE REPL J032T SX Coal Dust & Slurry Processor J045C LBD U1 LOWER SLOPE REPL J03N4 SX Coal Handling Switchgear Repl 1' 293 CAL Turbine Controls Digital UPGR J04FV TS U1 Wicket Gate Bushing UPGR J0GJG TS U2 Wicket Gate Bushing LPGR J0CDW BIC Distributive Gen Solar J0BZH Callaway V45 V51 & V85 Brkr Upgr 0A664 SWO-Dist Sub-Con Basec 20/83 CBM-Cass Sub Upgr J07WC Adair Sub Reliability Imprv Mod J0CH3 CBM-Ballas Sub-C J0CKM CBM-Duncan Sub-Sub-C J0CKN CBM-Shackelford-Sub-C J0FLQ McKnight: New 34-12 kV Sub J0G26 MRSI Sub CTI House-SUB-C J0H8G Algona Sub 34-12kV 2nd Sub J0HLC Research Park Sub - C J0JDN Deer Creek Sub - Sub - C J0JGC Cape Rock (2) 22MVA Sub-C J0JKQ CBM-Steels Sub -Sub-C J0KSC Macisor Sub Upgr- Sub-C J0KSP CBM-Carondelet-SUB-C J0KZB Huclin Park Substation-Sub-C 0A004 SWO-1 INF XFMR PURCH-F21 0A007 SWO-MLTLR EQUIP - L30 0A018 C-UPGR Program-L46 0A318 JCD - DA Program 0A669 UG-MH&VLT Jpgr-SWO J0C0B CA321-Olive 9-12th-10th Con J08GF CBM-Cass Sub-UG-C J09H1 LED Streetlight Program J0B9F CBM-Duncan Sub-UG-C J0RCH CA321-Olive-7th-Iucas Cond J0CC9 CA321-4th+Broad Cond J0CCD CA321-ASH-52-A5-6 2-4th CAB J0D07 SMP Elec Meters & Install SWO J0FFS Elsberry 630-53 Hwy 3 Extension J0J24 Research Park Line - C J0J5Q 0A321 - Project: Top Dog Conduit J0J3V Warson Fox - T1 and T2 J0J08 FLC-76 OH Rebuild J0JMR Cape Rock (2)22MVA Line-C J0KP9 Hayli-73 Hayli-Line-C J0KQW Hudlin Park Sub - UG - C J0LCC CNW-81 Circ UPGR J0M12 Berk-Brown-T3 Upgrade J0M5M NGC-STODDARD-BERNTIE J0N3Q WRSN-FOX-T-2, WRSN-71 Recon Ph1 J0PJ/ C-UPGR SSHWY 146, PII C Ext: Cab Requested by Claire Hucanks (Claire.hucanks@psc.mo.gov)

Due Date 7/1/2021

The attached information provided to Missouri Public Service Commission Staff in response to the above data information request is accurate and complete, and contains no material misrepresentations or omissions, based upon present facts of which the undersigned has knowledge, information or belief. The undersigned agrees to immediately inform the Missouri Public Service Commission Staff if, during the pendency of Case No. ER-2021-0240 before the Commission, any matters are discovered which would materially affect the accuracy or completeness of the attached information.

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applicable for the particular document: name, title number, author, date of publication and publisher, addresses, date written, and the name and address of the person(s) having possession of the document. As used in this data request the term "document(s)" includes publication of any format, workpapers, letters, memoranda, notes, reports, analyses, computer analyses, test results, studies or data, recordings, transcriptions and printed, typed or written materials of every kind in your possession, custody or control or within your knowledge. The pronoun "you" or "your" refers to Union Electric Company-Investor(Electric) and its employees, contractors, agents or others employed by or acting in its behalf.

**Security
Rationale**

Public
NA

Missouri Public Service Commission

Data Request

Data Request No. 0102.4
Company Name Union Electric Company-Investor(Electric)
Case/Tracking No. ER-2021-0240
Date Requested 6/22/2021
Issue Rate Base - Other Rate Base Issues
Requested From Geri Best
Requested By Jeff Keevil
Brief Description Smart Energy Plan Projects

See Attachment

Description See attachment Requested by Claire Eubanks (Claire.eubanks@psc.mo.gov)
Due Date 7/12/2021

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Security Public
Rationale NA

ER-2021-0240 - Follow-up DR # 102.4

Brief Description: Smart Energy Plan Projects

Please provide all documents including original equipment proposals, contractor and equipment bid evaluations, design and construction specifications, purchase orders, change orders, construction reports, original budget, final budget, original schedule, final schedule, and final project cost summary for the Smart Energy Plan projects listed in the table below:

23581	LBD U2 LOWLR SLOPL RL PL
J0B21	SX Coal Duct. & S urry Proce
J01 5C	LBD U1 LOWLR SLOPL RLPL
J0JN4	SX Coal Handling Switchgear Repl
11293	CAL Turbine Controls Digital UPGR
J04FV	TS U1 Wickel Gate Bushing UPGR
J0GDG	TS U2 Wickel Gate Bushing UPGR
J0CDW	BJC Distributive Gen Solar
J0B211	Callaway V45 V51 & V85 Brkr Upgr
0A664	SWO Dist Sub Cor Based
20783	CBM Cass Sub Upgr
J07WC	Adair Sub Reliability Imprv Mod
J0C113	CBM Ballas Sub C
J0CKM	CBM Duncan Sub Sub C
J0CKN	CBM Shackelford Sub C
J0F LQ	McKnigh. New 34 12 kV Sub
J0G26	MRSL Sub CTL House SUB C
J01 8G	Algona Sub 34 12kV 2nd Sub
J01 LC	Research Park Sub C
J0JDN	Deer Creek Sub Sub C
J0JGC	Cape Rock (2) 22MVA Sub C
J0JKQ	CBM Steele Sub Sub C
J0KSC	Madison Sub Upgr Sub C
J0KSP	CBM Carondelet SUB C
J0KZB	Hudlin Park Substation Sub C
0A004	SWO LINE XFMR PURC I E21
0A007	SWO METER EQUIPT E30
0A018	C UPGR Program E46
0A318	DCD DA Program
0A669	UG MH&VLT Upgr SWO
J000B	0A321 Olive 9 12th 10th Con
J08GF	CBM Cass Sub UG C
J09H1	LCD Streetlight Program
J0B9F	CBM Duncan Sub JG C
J0BCH	0A321 Olive 7th Lucas Cand

J0CC9	0A321-1th Broad Cond
J0CCD	0A321-ASH-52-A5-6 2-1th CAB
J0DD7	SMP Elec Meters & Install SWO
J0FF5	Elsberry 630-53 Hwy B Extension
J0J21	Research Park Line - C
J0J5Q	0A321 - Project Top Dog Conduit
J0JBV	Warson Fox - T1 and T2
J0JD8	EUC-76 OH Rebuild
J0JMR	Cape Rock (2)22 MVA Line-C
J0KP9	Hayti-73, Hayti-Line-C
J0KWQ	Hudlin Park Sub - UG - C
J0LCC	CNWY-81, Circ UPGR
J0M12	Berk-Brown-T3 Upgrade
J0M5M	NGC -5 TODDARD- BERTIE
J0N3Q	WRSN-FOX-T-2, WRSN-71 Recon Ph1
J0PJ7	C-UPGR SSBWY 116, PILC Exit Cab

Requested by Claire Eubanks (Claire.eubanks@psc.mo.gov)

Missouri Public Service Commission

Data Request

Data Request No.	0105.2
Company Name	Union Electric Company-Investor(Electric)
Case/Tracking No.	ER-2021-0240
Date Requested	6/9/2021
Issue	Rate Design - Class Cost of Service
Requested From	Geri Best
Requested By	Jeff Keevil
Brief Description	Meter Asset ID

Description (1) Please refer to the tab "mo_elec_rc" in the spreadsheet provided in response to Staff DR 105. Please provide a narrative explanation of the contents of the columns "Meter Model," "Meter Code," "Form," and "Class." Such explanation should include but not be limited to a statement of whether Model, Code, Form, and Class identifiers are internal to Ameren or a manufacturer, wholesaler, or retail designation. Please provide units, if applicable, for the Form and Class columns. (2) Referring to the tab "mo_elec_rc" in the spreadsheet provided in response to Staff DR 105, please provide the "Asset ID" or "Retirement Unit" (as those terms were used in the workpaper of Mr. Hickman) associated with each "Meter Model" and "Meter Code." In the alternative, please provide the "Meter Model" and "Meter Code" associated with each "Asset ID" or "Retirement Unit" as those terms were used in the workpaper of Mr. Hickman. Requested by Sarah Lange (sarah.lange@psc.mo.gov).

Due Date 6/29/2021

The attached information provided to Missouri Public Service Commission Staff in response to the above data information request is accurate and complete, and contains no material misrepresentations or omissions, based upon present facts of which the undersigned has knowledge, information or belief. The undersigned agrees to immediately inform the Missouri Public Service Commission Staff if, during the pendency of Case No. ER-2021-0240 before the Commission, any matters are discovered which would materially affect the accuracy or completeness of the attached information.

If these data are voluminous, please (1) identify the relevant documents and their location (2) make arrangements with requestor to have documents available for inspection in the Union Electric Company-Investor (Electric) office, or other location mutually agreeable. Where identification of a document is requested, briefly describe the document (e.g. book, letter, memorandum, report) and state the following information as applicable for the particular document: name, title number, author, date of publication and publisher, addresses, date written, and the name and address of the person(s) having possession of the document. As used in this data request the term "document(s)" includes publication of any format, workpapers, letters, memoranda, notes, reports, analyses, computer analyses, test results, studies or data, recordings, transcriptions and printed, typed or written materials of every kind in your possession, custody or control or within your knowledge. The pronoun "you" or "your" refers to Union Electric Company-Investor(Electric) and its employees, contractors, agents or others employed by or acting in its behalf.

Security	Public
Rationale	NA

Missouri Public Service Commission

Data Request

Data Request No. 0240.1
Company Name Union Electric Company-Investor(Electric)
Case/Tracking No. ER-2021-0240
Date Requested 6/22/2021
Issue General Information & Miscellaneous - Other General Info & Misc.
Requested From Geri Best
Requested By Jeff Keevil
Brief Description Dedicated Substation Equipment

Description Please refer to the list of substation assets provided in response to DR 240. Please identify any assets currently used by a single customer or group of affiliated customers. For example, if a transformer supports one large industrial customer and that general business entity also has an on-site SGS account for its guard shack, please identify that transformer (preferably by retirement unit name and account number to which it is recorded) and the rate schedule(s) under which that entity takes service at that location. Please identify instances where all assets associated with a substation are in support of a single customer or group of affiliated customers. If a given substation contains multiple assets in support of different single customers or groups of affiliated customers, please identify assets associated with different customers or groups of customers by a unique identifier, such as a name or customer number. Data Request submitted by Sarah Lange (sarah.lange@psc.mo.gov).

Due Date 7/12/2021

The attached information provided to Missouri Public Service Commission Staff in response to the above data information request is accurate and complete, and contains no material misrepresentations or omissions, based upon present facts of which the undersigned has knowledge, information or belief. The undersigned agrees to immediately inform the Missouri Public Service Commission Staff if, during the pendency of Case No. ER-2021-0240 before the Commission, any matters are discovered which would materially affect the accuracy or completeness of the attached information.

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Security Public
Rationale NA

Missouri Public Service Commission

Data Request

Data Request No.	0240.2
Company Name	Union Electric Company-Investor(Electric)
Case/Tracking No.	ER-2021-0240
Date Requested	6/22/2021
Issue	General Information & Miscellaneous - Other General Info & Misc.
Requested From	Geri Best
Requested By	Jeff Keevil
Brief Description	Conductors and other assets associated with dedicated substation equipment

Description	Please refer to the assets identified in response to DR 240.1 and separately for each customer location generally describe all assets between the substation and the customer meter including but not limited to (1) the conductor by type, voltage, retirement unit name, and number of conductor, and overhead or above ground, (2) the conduit or poles by retirement unit name, number of each retirement unit name, (3) any transformers or other devices installed by retirement unit name, quantity, account recorded, and description of function, use, or purpose. Data Request submitted by Sarah Lange (sarah.lange@psc.mo.gov).
Due Date	7/12/2021

The attached information provided to Missouri Public Service Commission Staff in response to the above data information request is accurate and complete, and contains no material misrepresentations or omissions, based upon present facts of which the undersigned has knowledge, information or belief. The undersigned agrees to immediately inform the Missouri Public Service Commission Staff if, during the pendency of Case No. ER-2021-0240 before the Commission, any matters are discovered which would materially affect the accuracy or completeness of the attached information.

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Security	Public
Rationale	NA

Missouri Public Service Commission

Data Request

Data Request No.	0487
Company Name	Union Electric Company-Investor(Electric)
Case/Tracking No.	ER-2021-0240
Date Requested	5/18/2021
Issue	Rate Design - Class Cost of Service
Requested From	Geri Best
Requested By	Jeff Keevil
Brief Description	Non Unitized Account 1370002 AMI Meters Cost
 Description	 Please describe the plant or activity associated with the \$24,525,990 cost for vintage 2020, Asset ID 37733333 in Account 1370002 Meters in the workpaper provided by Mr. Hickman. DR requested by Sarah Lange (sarah.lange@psc.mo.gov).
Due Date	6/7/2021

The attached information provided to Missouri Public Service Commission Staff in response to the above data information request is accurate and complete, and contains no material misrepresentations or omissions, based upon present facts of which the undersigned has knowledge, information or belief. The undersigned agrees to immediately inform the Missouri Public Service Commission Staff if, during the pendency of Case No. ER-2021-0240 before the Commission, any matters are discovered which would materially affect the accuracy or completeness of the attached information.

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Security	Public
Rationale	NA

Missouri Public Service Commission

Data Request

Data Request No.	0489
Company Name	Union Electric Company-Investor(Electric)
Case/Tracking No.	ER-2021-0240
Date Requested	5/18/2021
Issue	Rate Design - Class Cost of Service
Requested From	Geri Best
Requested By	Jeff Keevil
Brief Description	Asset location and purpose

See Attachment

Description See Attached Sarah Lange (sarah.lange@psc.mo.gov).

Due Date 6/7/2021

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Security	Public
Rationale	NA

Missouri Public Service Commission

Data Request

Data Request No.	0492
Company Name	Union Electric Company-Investor(Electric)
Case/Tracking No.	ER-2021-0240
Date Requested	5/18/2021
Issue	Rate Design - Class Cost of Service
Requested From	Geri Best
Requested By	Jeff Keevil
Brief Description	third party leases
 Description	 Please identify and describe all property within the distribution accounts that is leased or rented to another entity – for example, communication cables, or pole space. DR requested by Sarah Lange (sarah.lange@psc.mo.gov).
Due Date	6/7/2021

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Security	Public
Rationale	NA

Missouri Public Service Commission

Data Request

Data Request No. 0554
Company Name Union Electric Company-Investor(Electric)
Case/Tracking No. ER-2021-0240
Date Requested 6/9/2021
Issue Revenue - Off-System Sales
Requested From Geri Best
Requested By Jeff Keevil
Brief Description Proration of bill

Description Tariff sheet 130, A. paragraph 2 and 3 states: Where bills are rendered for periods of use in excess of or less than the period provided for herein, all base rate components will be prorated. Beginning in calendar year 2021, summer rates will be applicable for service rendered from June 1st through September 30th. Where a bill includes any portion of both Summer and Winter periods the rate application will be prorated. 1.) Please provide the tariff rate class, customer count, bill cycle (the beginning and ending date and the cycle number), usage (by block) and revenue impact of the proration for bills that include a portion of Summer and Winter periods for the months of May and June 2020. 2.) Please provide the tariff rate class, customer count, bill cycle (the beginning and ending date and the cycle number), usage (by block) and estimated revenue impact and for the months of September 2020 and October 2020. Requested by Kim Cox (Kim.Cox@psc.mo.gov)

Due Date 6/29/2021

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Security Public
Rationale NA

Missouri Public Service Commission

Data Request

Data Request No. 0587
Company Name Union Electric Company-Investor(Electric)
Case/Tracking No. ER-2021-0240
Date Requested 6/14/2021
Issue Expense - Fuel Expenses
Requested From Geri Best
Requested By Jeff Keevil
Brief Description Incremental Coal Assumptions

Description On page 9 of Mr. Peter's Direct testimony, Mr. Peters states "The incremental cost assumptions are used by the model in its dispatch logic—determining when and at what output level a specific unit should run. ... The incremental coal cost assumptions are based on the average spot market prices for the 36-month period ending December 31, 2020;" Please provide the calculation of the incremental coal assumptions, in electronic format with formulas intact, as well as all supporting workpapers and documentation. Please update through June 30, 2021 and through September 30, 2021. Shawn Lange (Shawn.Lange@psc.mo.gov)

Due Date 7/1/2021

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Security Public
Rationale NA

Missouri Public Service Commission

Data Request

Data Request No.	0605
Company Name	Union Electric Company-Investor(Electric)
Case/Tracking No.	ER-2021-0240
Date Requested	6/17/2021
Issue	General Information & Miscellaneous - Other General Info & Misc.
Requested From	Geri Best
Requested By	Jeff Keevil
Brief Description	Identification of projects
Description	Fully explain the process utilized by Ameren to identify potential distribution system projects for further evaluation and consideration for inclusion in the Smart Energy Plan. Please include all metrics and weights applied to each metric, which are included within the consideration for such projects. If operational thresholds were included within the identification process, provide the operational thresholds utilized by Ameren by equipment type and an explanation for the selection of each threshold. J.Luebbert (J.Luebbert@psc.mo.gov)
Due Date	7/7/2021

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Security	Public
Rationale	NA

Missouri Public Service Commission

Data Request

Data Request No.	0606
Company Name	Union Electric Company-Investor(Electric)
Case/Tracking No.	ER-2021-0240
Date Requested	6/17/2021
Issue	General Information & Miscellaneous - Other General Info & Misc.
Requested From	Geri Best
Requested By	Jeff Keevil
Brief Description	Safe and reliable service determination
Description	How did Ameren determine that each project included as part of the Smart Energy Plan was necessary to continue to provide safe and reliable service? J Luebberl (J.Luebberl@psc.mo.gov)
Due Date	7/1/2021

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Security	Public
Rationale	NA

Missouri Public Service Commission

Data Request

Data Request No. 0608
Company Name Union Electric Company-Investor(Electric)
Case/Tracking No. ER-2021-0240
Date Requested 6/17/2021
Issue General Information & Miscellaneous - Other General Info & Misc.
Requested From Geri Best
Requested By Jeff Keevil
Brief Description Evaluation process(es)

Description Fully describe how the evaluation process, or processes, for potential Smart Energy Plan projects was developed. Within this description, please: 1. Identify which Ameren employees were involved in the development of the evaluation process including employee titles and explanation of day-to-day responsibilities, 2. Identify the areas of responsibility for each employee in the development of the evaluation process, 3. Identify the Ameren decision makers that approved the evaluation process including employee titles and explanation of day-to-day responsibilities. J Luebber: (J.Luebber@psc.mo.gov)

Due Date 7/7/2021

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Security Public
Rationale NA

Missouri Public Service Commission

Data Request

Data Request No.	0609
Company Name	Union Electric Company-Investor(Electric)
Case/Tracking No.	ER-2021-0240
Date Requested	6/17/2021
Issue	General Information & Miscellaneous - Other General Info & Misc.
Requested From	Geri Best
Requested By	Jeff Keevil
Brief Description	Evaluation of projects
Description	Fully explain the process utilized by Ameren for evaluating potential distribution system projects included as part of the Smart Energy Plan. If a scorecard or other decision making tool is used, provide a sample for each type of project associated with the Smart Energy Plan. J. Luebber (J.Luebber@psc.mo.gov)
Due Date	7/7/2021

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Security	Public
Rationale	NA

Missouri Public Service Commission

Data Request

Data Request No. 0610
Company Name Union Electric Company-Investor(Electric)
Case/Tracking No. ER-2021-0240
Date Requested 6/17/2021
Issue General Information & Miscellaneous - Other General Info & Misc.
Requested From Geri Best
Requested By Jeff Keevil
Brief Description Projects not included in the SCP

Description Did Ameren Missouri identify any projects that passed the evaluation process, but was ultimately not included within the Smart Energy Plan? If so, please explain the reasoning for not including the project in the Smart Energy Plan and identify the specific details that warranted the exclusion. J Luebbert (J.Luebbert@psc.mo.gov)

Due Date 7/7/2021

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Security Public
Rationale NA

Missouri Public Service Commission

Data Request

Data Request No. 0617
Company Name Union Electric Company-Investor(Electric)
Case/Tracking No. ER-2021-0240
Date Requested 6/17/2021
Issue General Information & Miscellaneous - Other General Info & Misc.
Requested From Geri Best
Requested By Jeff Keevil
Brief Description Project level cost benefit analysis

Description Did Ameren conduct any project level cost benefit analysis that demonstrated that the benefits of completing a given project outweighed the costs? If so, please provide all such analysis with workpapers in excel format with links and formulas intact. Provide supporting documentation for any assumptions made. If Ameren did not conduct any project level cost benefit analysis, explain why it is not necessary or reasonable to do so. J.Luebber (J.Luebber@psc.mo.gov)

Due Date 7/7/2021

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Security Public
Rationale NA

Missouri Public Service Commission

Data Request

Data Request No.	0612
Company Name	Union Electric Company-Investor(Electric)
Case/Tracking No.	ER-2021-0240
Date Requested	6/17/2021
Issue	General Information & Miscellaneous - Other General Info & Misc.
Requested From	Geri Best
Requested By	Jeff Keevil
Brief Description	Cost benefit analyses
Description	Provide all cost benefit analyses performed by Ameren Missouri regarding the types of projects included in the Smart Energy Plan. Provide supporting documentation for any assumptions made. Explain how the cost benefit analyses factored into decisions regarding which projects Ameren would include in the Smart Energy Plan. J Luebbert (J.Luebbert@psc.mo.gov)
Due Date	7/7/2021

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Security	Public
Rationale	NA

Missouri Public Service Commission

Data Request

Data Request No.	0613
Company Name	Union Electric Company-Investor(Electric)
Case/Tracking No.	ER-2021-0240
Date Requested	6/17/2021
Issue	General Information & Miscellaneous - Other General Info & Misc.
Requested From	Geri Best
Requested By	Jeff Keevil
Brief Description	SCP prudence
Description	How did Ameren determine that investment in each project included as part of the Smart Energy Plan was prudent? Provide all supporting documentation, market research, RFP responses, projections, and other analyses. J.Luebber. (J.Luebber@psc.mo.gov)
Due Date	7/7/2021

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Security	Public
Rationale	NA

Missouri Public Service Commission

Data Request

Data Request No. 0678
Company Name Union Electric Company-Investor(Electric)
Case/Tracking No. ER-2021-0240
Date Requested 6/28/2021
Issue General Information & Miscellaneous - Other General Info & Misc.
Requested From Geri Best
Requested By Jeff Keevil
Brief Description "Company Substation on Customer Premises – Primary Services"

Description Please refer to Sheet 109, "Company Substation on Customer Premises – Primary Services" (1) Please identify by name every substation on customer premises by the name or identifier used in the Company's response to DR 240. (2) For each substation, identify whether the substation is used for supplying service to other customers and if so identify the materials at that substation per DR 240 associated with supplying service to other customers and whether the other customer(s) are in any manner affiliated with the customer on which the substation is sited. (3) Identify by customer account and premise the customers associated with such substations. Sarah Lange (sarah.lange@psc.mo.gov)

Due Date 7/18/2021

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Security Public
Rationale NA

Missouri Public Service Commission

Data Request

Data Request No.	0679
Company Name	Union Electric Company-Investor(Electric)
Case/Tracking No.	ER-2021-0240
Date Requested	6/28/2021
Issue	General Information & Miscellaneous - Other General Info & Misc.
Requested From	Geri Best
Requested By	Jeff Keevil
Brief Description	"Company Substation on Customer Premises – Secondary Services"
 Description	 Please refer to Sheet 107, "Company Substation on Customer Premises – Secondary Services" (1) Please identify by name every substation on customer premises by the name or identifier used in the Company's response to DR 240. (2) For each substation, identify whether the substation is used for supplying service to other customers and if so identify the materials at that substation per DR 240 associated with supplying service to other customers and whether the other customer(s) are in any manner affiliated with the customer on which the substation is sited. (3) Identify by customer account and premise the customers associated with such substations. Sarah Lange (sarah.lange@psc.mo.gov)
 Due Date	 7/18/2021

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Security	Public
Rationale	NA

Missouri Public Service Commission

Data Request

Data Request No. 0680
Company Name Union Electric Company-Investor(Electric)
Case/Tracking No. ER-2021-0240
Date Requested 6/28/2021
Issue General Information & Miscellaneous - Other General Info & Misc.
Requested From Geri Best
Requested By Jeff Keevil
Brief Description St. Louis Underground District Substations

Description Please refer to Sheet 110 "Service to St. Louis Underground District, (1) Please identify by name every substation on customer premises by the name or identifier used in the Company's response to DR 240. (2) For each substation, identify whether the substation is used for supplying service to other customers and if so identify the materials at that substation per DR 240 associated with supplying service to other customers and whether the other customer(s) are in any manner affiliated with the customer on which the substation is sited. (3) Identify by customer account and premise the customers associated with such substations. Sarah Lange (sarah.lange@psc.mo.gov)

Due Date 7/18/2021

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If these data are voluminous, please (1) identify the relevant documents and their location (2) make arrangements with requestor to have documents available for inspection in the Union Electric Company-Investor (Electric) office, or other location mutually agreeable. Where identification of a document is requested, briefly describe the document (e.g. book, letter, memorandum, report) and state the following information as applicable for the particular document: name, title number, author, date of publication and publisher, addresses, date written, and the name and address of the person(s) having possession of the document. As used in this data request the term "document(s)" includes publication of any format, workpapers, letters, memoranda, notes, reports, analyses, computer analyses, test results, studies or data, recordings, transcriptions and printed, typed or written materials of every kind in your possession, custody or control or within your knowledge. The pronoun "you" or "your" refers to Union Electric Company-Investor(Electric) and its employees, contractors, agents or others employed by or acting in its behalf.

Security Public
Rationale NA

Missouri Public Service Commission

Data Request

Data Request No.	0681
Company Name	Union Electric Company-Investor(Electric)
Case/Tracking No.	ER-2021-0240
Date Requested	6/28/2021
Issue	General Information & Miscellaneous - Other General Info & Misc.
Requested From	Geri Best
Requested By	Jeff Keevil
Brief Description	Customer counts by rate schedule and voltage
Description	Please refer to the attached excel workbook "rate schedules and voltages" and provide the average number of customers, by month, taking service on all possible permutations of rate schedules and voltages billed and served, including but not limited to the rate schedule and voltage combinations indicated. In the case of customers receiving service on Riders B or C, please identify the number of customers billed and served at all applicable combinations of voltages. Sarah Lange (sarah.lange@psc.mo.gov)
Due Date	7/18/2021

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Security	Public
Rationale	N/A

Residential								
R-BASIC	R-DAYNIGHT	R-TOU	R-TOU2	R-TOUUS	R-BASIC	R-DAYNIGHT	R-TOU	R-TOU2

Service Voltage 120V 120V 120V 120V 120V 208V 208V 208V 208V

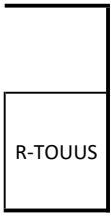
Monthly Average Number of customers receiving single phase service:

- Jan-20
- Feb-20
- Mar-20
- Apr-20
- May-20
- Jun-20
- Jul-20
- Aug-20
- Sep-20
- Oct-20
- Nov-20
- Dec-20
- Jan-21
- Feb-21
- Mar-21
- Apr-21
- May-21
- Jun-21

Monthly Average Number of customers receiving three phase service:

- Jan-20
- Feb-20
- Mar-20
- Apr-20
- May-20
- Jun-20
- Jul-20
- Aug-20
- Sep-20
- Oct-20
- Nov-20
- Dec-20
- Jan-21
- Feb-21
- Mar-21
- Apr-21
- May-21
- Jun-21

Rider C customer voltage information:



208V

Small General Service					Large General Service				
2(M)					3(M)				

120V

208V

277V

480V

Rider C
(specify
voltage
metered
and voltage
billed)

120V

208V

240V

277V

480V

Rider C
(specify
voltage
metered
and voltage
billed)

Small Primary Service

4(M)				4(M) with Rider B 1.1	4(M) with Rider B 1.2	4(M) with Rider B 2	4(M) with Rider C
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2.4kV 7.2kV 12.1kV 12.5kV 34.5KkV 69kV 115kV

Rider C
(specify
voltage
metered
and voltage
billed)

Large Primary Service					Company- Owned Lighting	Customer- Owned Lighting	Large Transmission Service	
11(M)		11(M) with Rider B 1.1	11(M) with Rider B 1.2	11(M) with Rider B 2	11(M) with Rider C	5(M)	6(M)	12(M)

2.4kV

7.2kV

12.1kV

12.5kV

34.5kV

69kV

115kV

Rider C
(specify
voltage
metered
and voltage
billed)

Specify
Voltage

Specify
Voltage

Specify
Voltage