

EXHIBIT SC-2

Public Company Responses to Sierra Club Data Requests

Data Requests

Evergy Response to Sierra Club Request 2-1

Evergy Response to Sierra Club Request 2-12

Evergy Response to Sierra Club Request 3-1



Evergy Missouri Metro
Case Name: 2024 Evergy MO Metro Triennial IRP
Case Number: EO-2024-0153

Requestor Rubenstein Sarah -
Response Provided May 10, 2024

Question:SC-2-1

Please explain how coal retirement dates were determined for Evergy’s resource plans. Please also list the retirement dates that were tested in the last two IRP updates and the last triennial IRP, for each coal unit.

RESPONSE: (do not edit or delete this line or anything above this)

Confidentiality: PUBLIC

Statement: This response is Public. No Confidential Statement is needed.

Response:

Some coal retirement dates were selected for modeling to determine if cost savings could be achieved by avoiding future spends while continuing to meet customer needs. Since larger capital spends were forecast in the medium term, retirement dates to avoid those spends were chosen (for example, the forecasted need for SCR on Jeffrey 2 & 3 based on expected timing of environmental restrictions). Some retirement dates were based on stakeholder feedback. Alternative resource plans were developed using earlier/later retirement dates and lowest-cost resource additions to meet customer energy and capacity needs. Preferred retirement dates were determined based on expected net present value revenue requirements and assessment of risks.

Retirement dates in each alternative resource plan were provided in the IRP filings. A summary is provided in the table below:

Resource	2021 Dates	2022 Dates	2023 Dates	2024 Dates
Lawrence 4	2023 2030	2024	2024 2028	2028
Lawrence 5	2023 2030	2024	2023 2028	2028
Jeffrey 1	2023 2026 2030 2034 2039	2039	2030 2039	2030 2039 > 20 years
Jeffrey 2	2023	2030	2030	2030



	2026 2029 2030 2039	2039	2039	2039 > 20 years
Jeffrey 3	2023 2026 2029 2030 2039	2030 2039	2030 2039	2030 2039 > 20 years
La Cygne 1	2023 2032	2032	2030 2032	2032 > 20 years
La Cygne 2	2023 2029 2039	2029 2039	2030 2032 2039	2032 2039 > 20 years
Iatan 1	2023 2039	2029 2039	2030 2039	2030 2039 > 20 years
Iatan 2	> 20 years	> 20 years	2030 > 20 years	2030 > 20 years
Hawthorn 5	2024 2034 2039 > 20 years	2029 > 20 years	2025 2027 > 20 years	2027 > 20 years

Information provided by:

Kelli Merwald, Sr. Mgr. Fundamental Analysis

Attachment(s):

Missouri Verification:

I have read the Information Request and answer thereto and find answer to be true, accurate, full and complete, and contain no material misrepresentations or omissions to the best of my knowledge and belief; and I will disclose to the Commission Staff any matter subsequently discovered which affects the accuracy or completeness of the answer(s) to this Information Request(s).

Signature /s/ Brad Lutz



Director Regulatory Affairs



Evergy Missouri Metro
Case Name: 2024 Evergy MO Metro Triennial IRP
Case Number: EO-2024-0153

Requestor Rubenstein Sarah -
Response Provided May 10, 2024

Question:SC-2-12

Does the Company assume that carbon capture and sequestration (CCS) will be installed on its coal-fired units in any of the IRP modeling?

- a. If so, please provide the associated costs included in the IRP modeling that account for these retrofits, list the scenarios where they are included, and provide the modeling outputs that include these costs.
- b. If not, please explain how the Company's coal-fired units will comply with EPA's greenhouse gas limits

RESPONSE: (do not edit or delete this line or anything above this)

Confidentiality: PUBLIC

Statement: This response is Public. No Confidential Statement is needed.

Response:

No.

- a. n/a
- b. The Company has not developed compliance plans for coal-fired units.

Information provided by:

Kelli Merwald, Sr. Mgr. Fundamental Analysis

Attachment(s):



Missouri Verification:

I have read the Information Request and answer thereto and find answer to be true, accurate, full and complete, and contain no material misrepresentations or omissions to the best of my knowledge and belief; and I will disclose to the Commission Staff any matter subsequently discovered which affects the accuracy or completeness of the answer(s) to this Information Request(s).

Signature /s/ *Brad Lutz*
Director Regulatory Affairs



Evergy Missouri Metro
Case Name: 2024 Evergy MO Metro Triennial IRP
Case Number: EO-2024-0153

Requestor Rubenstein Sarah -
Response Provided June 20, 2024

Question:SC-3-1

Refer to response to Sierra Club Data Request 2-10 and the December 8, 2023 stakeholder meeting, slide 23. Does the Company assume that carbon capture and sequestration (CCS) will be installed on its gas-fired units in any of the IRP modeling?

- a. If so, please provide the associated costs included in the IRP modeling that account for these retrofits, list the scenarios where they are included, and provide the modeling outputs that include these costs.
- b. If not, please explain how the Company's gas-fired units will comply with EPA's greenhouse gas limits.
- c. If not, please explain why the Company claimed it was considering CCS on its gas units in the stakeholder meeting and reversed this decision.

RESPONSE: (do not edit or delete this line or anything above this)

Confidentiality: PUBLIC

Statement: This response is Public. No Confidential Statement is needed.

Response:

The Company modeled combined-cycle resources with CCS as options for new builds in the High CO₂ restriction/ High Natural Gas price future scenario. The Company also assumed that combined cycles selected in other alternative resource planning scenarios would include CCS in the High CO₂ restriction endpoints. The Company assumed CCS would be available in 2035 for new combined cycles and as a retrofit for new combined cycles built in earlier years.

- a. New build costs and parameters were provided in workpapers filed with the IRP. All modeling outputs were provided in response to Sierra Club's earlier data request. Inclusion of carbon capture and sequestration increases fixed and variable costs, decreases efficiency (increases heat rate), decreases maximum output, and reduces carbon dioxide emissions rate. These changes are reflected in inputs and outputs.
- b. The IRP was filed prior to the issuance of the EPA's final rule. The future outcome of legal challenges and development of state plans will inform the Company's compliance plan.
- c. n/a.



Information provided by:

Kelli Merwald, Sr. Mgr. Fundamental Analysis

Attachment(s):

Missouri Verification:

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Signature /s/ *Brad Lutz*

Director Regulatory Affairs