



City of Columbia

701 East Broadway, Columbia, Missouri 65201

Department Source: City Utilities - Water and Light

To: City Council

From: City Manager & Staff

Council Meeting Date: May 20, 2024

Re: Authorizing an Amendment No. 2 to the Resource Management Agreement with The Energy Authority, Inc. (TEA) to support the load forecast as part of the annual Midcontinent Independent System Operator (MISO) Resource Adequacy process

Executive Summary

Staff has prepared for Council consideration a resolution authorizing the City Manager to execute Amendment No. 2 to the Resource Management Agreement with The Energy Authority, Inc. (TEA) to support the load forecast as part of the annual Midcontinent Independent System Operator (MISO) Resource Adequacy process.

Discussion

Annually the City of Columbia has to submit a load forecast to MISO as part of their resource adequacy process. City staff reached out to TEA requesting that they provide a scope to provide this service as they are experienced in developing the load forecast for many other entities within MISO.

The (20) year load forecast is a detailed document that will include the following items:

- weather history for last thirty (30) years,
- monthly load history for the last thirty (30) years
- energy efficiency and behind-the-meter ("BTM") solar impacts to load history
- electric vehicle ("EV") charging impacts to load history
- monthly non-coincident peak demand forecast for next two (2) Planning Years (PY) (June-May)
- seasonal coincident peak forecast for the next PY (June-May)
- seasonal zonal coincident peak forecast for next PY (June-May)
- monthly energy for load forecast for next two (2) PY (June-May)
- seasonal eight (8)-year non-coincident forecast (PY 3-PY10)
- seasonal eight (8)-year energy load forecast (PY3-PY10)

City staff will work with TEA to provide detailed information so that they can build the load forecast. Once the load forecast is developed TEA will discuss the results with the City staff and submit the information to MISO. In addition, all of the risk related to the load forecast will be the responsibility of TEA and will be removed from the City of Columbia.

The estimated cost for this additional work is a \$21,000 fixed fee for the first year and will be paid from Electric Utility funds. The fixed annual fee will escalate by the greater of four percent (4%) or CPI annually. The load forecast will be completed by November each year.



City of Columbia

701 East Broadway, Columbia, Missouri 65201

Fiscal Impact

Short-Term Impact: Amendment to the agreement, Task Order #4 is for a \$21,000 fixed annual fee the first year. Funding for this expense is included in the existing operating budget.

Long-Term Impact: The fixed annual fee will escalate by the greater of four percent (4%) or CPI annually

Strategic & Comprehensive Plan Impact

[Strategic Plan Impacts:](#)

Primary Impact: Not Applicable, Secondary Impact: Not Applicable, Tertiary Impact: Not Applicable

[Comprehensive Plan Impacts:](#)

Primary Impact: Not Applicable, Secondary Impact: Not applicable, Tertiary Impact: Not Applicable

Legislative History

Date	Action
1/17/2023	R7-23 Authorizing an Amendment No. 1 to Resource Management Agreement with The Energy Authority, Inc. for a renewable energy study, Task Order #3.
11/07/2022	REP86-22 100% Renewable Energy by 2030.
12/02/2013	R254-13 Authorizing a Resource Management Agreement with The Energy Authority, Inc., to represent the Water and Light Department as its Market Participant in electric and natural gas energy markets.

Suggested Council Action

Approve the resolution.