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May 7, 2024

DECISION MEMORANDUM

TO: Council members

FROM: Kevin Smit, Jennifer Light

SUBJECT: Authorization to Contract with Cadeo Group for Motor Measures Update

PROPOSED ACTION:

Council staff are requesting that the Council authorize the staff to execute a contract to update our commercial and industrial motor-related energy efficiency measures. The contract would be with the Cadeo Group in the amount not to exceed \$43,360.

SIGNIFICANCE:

This project will provide a thorough review and update of the motor-related measures for the Ninth Power Plan. These measures that include pumps, fans, compressors, and advanced motors, represented a significant new energy efficiency potential in the last power plan.

BUDGETARY / ECONOMIC IMPACTS

The cost for the project is not to exceed \$43,360. The proposed costs are reasonable relative to other bids received as well as projects of similar scope.

BACKGROUND

Motor-related products have a significant impact on the regions' electricity consumption, especially in the commercial and industrial sectors. In the commercial sector, motors can be found in building exhaust fans, return air fans, sprinkler system air compressors, and water loop pumps. In the industrial sector, motors make up most of the electricity consumption through machines such as large air compressors, industrial exhaust and circulation fans, numerous pumping applications, and the multitude of conveyors.

Therefore, it is important to understand this market and identify the energy efficiency potential it holds.

The Council staff issued a request for proposals (RFP), formed a committee to review the proposals and selected Cadeo to be recommended for this project. Cadeo has very strong experience in this area that includes motors work for DOE, NEEA, and the Council (2021 Plan).