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February 6, 2018

MEMORANDUM

TO: Power Committee

FROM: Tina Jayaweera, Charlie Grist

SUBJECT: Agricultural Energy Efficiency Potential Assessment

BACKGROUND:

Presenter: Tina Jayaweera, Charlie Grist

Summary: Staff proposes issuing a Request for Proposals (RFP) for assessing the energy-efficiency potential in the agricultural sector. Many of the traditional measures are now common practice and information on new energy efficiency practices will provide a more robust assessment of potential. This work will feed into the overall conservation potential used in the Eighth Power Plan.

A potential assessment for the agricultural sector requires specific expertise on current irrigation and dairy practices and knowledge of possible energy-efficiency improvements. The assessment completed for the Seventh Plan relies on analysis completed for the Sixth Power Plan and is in need of update. The proposed RFP would be to seek out experts familiar with the agricultural sector and in conducting energy-efficiency potential assessments.

The proposed schedule is to release the RFP by February 20, and to make a recommendation to the Council and have the Council select the winning bid at the April 2018 Council meeting. The total contract is not expected to exceed \$50,000.

Relevance: The Seventh Plan estimated cost-effective potential in the agricultural sector of around 121 aMW. An agricultural potential assessment will provide a refresh of energy savings opportunities in this sector.

Workplan: C.1. Conservation Resources – Data development to enhance or improve estimates for conservation supply curves.

More Info: The Power Committee heard about innovations in irrigation energy efficiency in [August 2017](#).

RFP for an Energy Efficiency Potential Study for Agricultural Sector

Tina Jayaweera
February 13, 2018



What This Is

- Council staff are seeking a contractor to estimate the long-term energy efficiency potential for the Agricultural sector
 - This will feed into 8th Power Plan
 - Supplements in-house work staff complete for other sectors (e.g. residential, commercial, industrial)
- Why contract this out?
 - Agricultural practices are a fairly niche area
 - Council staff are not agricultural experts
 - Contractor can provide an update to current assumptions
- Details:
 - Budget cap – \$50,000
 - Timeframe – work complete by Sept 30, 2018

