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September 3, 2014

MEMORANDUM

- TO: Power Committee
- FROM: Massoud Jourabchi

SUBJECT: Electrical load impacts of indoor commercial cannabis production

BACKGROUND:

Presenter: Massoud Jourabchi and Maggie Lahet

Summary: Under state of Washington initiative I-502 legal production of cannabis started in 2013-2014. Council analysis estimated the demand for electricity for the growers of cannabis represent about 80-163 Mwa of new load to the regional system.

Relevance: Producing a long-term Load forecast is a requirement of the Act. In responding to this requirement, Council's load forecast keeps track of all forms of electricity consumptions, in particular new and emerging loads. Three such emerging loads are data centers, electric vehicles and in-door cannabis production. In this presentation we will present results of preliminary analysis on load impact from cannabis production.

Workplan: 1.D. Update long-term load forecast. In preparation of the Seventh Power Plan, forecast of loads from cannabis producers will be incorporated into the long-term demand forecast.

Background: The State of Washington, through its initiative process, enacted a law allowing for recreational use of cannabis. Hundreds of producers have now been licensed to grow and process cannabis. Those producers using indoor growing facilities place a significant load on the electrical system to provide lighting, HVAC and other required services for the plants. Staff conducted interviews with a number of these producers in order to develop estimates of existing and forecast of electrical loads from these operations.

More Info: NA











































