Microgrid Project Update









March 21, 2019

OUR FUTURE IN EVERY DROP

Agenda



The Background



The Project



The Future

The Background - The Grant









Gordon Kashiwagi, Commission Agreement Officer California Energy Commission 1516 Ninth Street, MS-18 Sacramento, CA 95814

Dear Mr. Kashiwagi:

ROBIN SWINTH Vice Masor

ERIN CARLSTROM JULIE COMBS ERNESTO OLIVARES JAKE OLIRS GARY WYSOCKY The City of Santa Rosa (the City) owns and operates the Laguna Subregional Wastewater Treatment Plant (LTP) at 4300 Llano Road, Santa Rosa. The LTP operates a 22.34 Million Galion per Day (MGD) dry weather design flow activated studge process, with Title 22 water reclamation literation and disinfection.

The City understands the California Energy Commission (CEC) has issued Solicitation PON-14-301, Demonstrating Secure, Reliable Microgrids and Grid-Linked Electric Vehicles to Build Resilient, Low-Carbon Facilities and Communities. Under the Solicitation, CEC has indicated three specific groups of facilities are sought as demonstration sites. The LTP meets the site requirements of Group 1, Demonstration of Low Carbon-Based Microgrids for Critical Facilities.

This letter is to serve as written authorization for LTP to be listed as a Microgrid Demonstration Project in support of the Rockwood Consulting application in response to Solicitation PON-14-301, Group 1. We understand that if Rockwood Consulting's application is selected, the project may require physical modification of the LTP equipment, and changes to existing operational procedures.

Sincerel

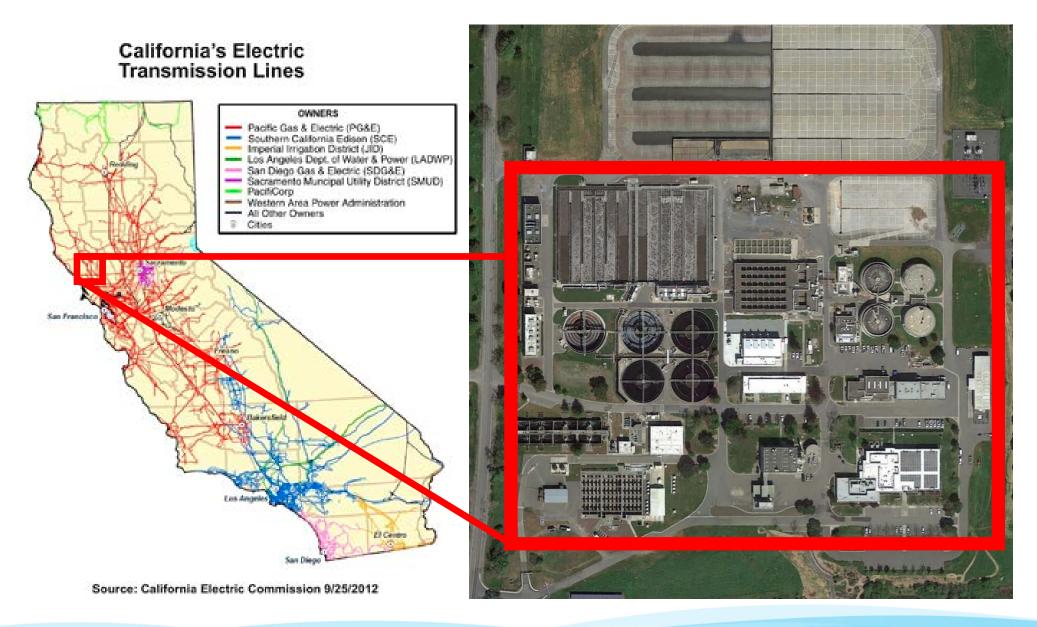
SCOTT P. BARTLEY

C: Sean McGlynn, City Manager

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What is a Microgrid?



The Project – What is it?







The Project – The 2 SCRs



The Project – The 2.2 MW Battery System





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The Project – The 126kW Solar Array



The Project: The Microgrid Controller





The Project- Current Status: Testing, training, commissioning, and data collection



The Future – Benefits







Questions?



