

# Agreement for a Microgrid Demonstration System at the Santa Rosa Laguna Treatment Plant between Trane U.S. Inc. and the City of Santa Rosa



June 1, 2017  
Emma Walton, Water Reuse Engineer

OUR FUTURE IN EVERY DROP

# Agenda



The Background



The Project



The Future



The Agreement

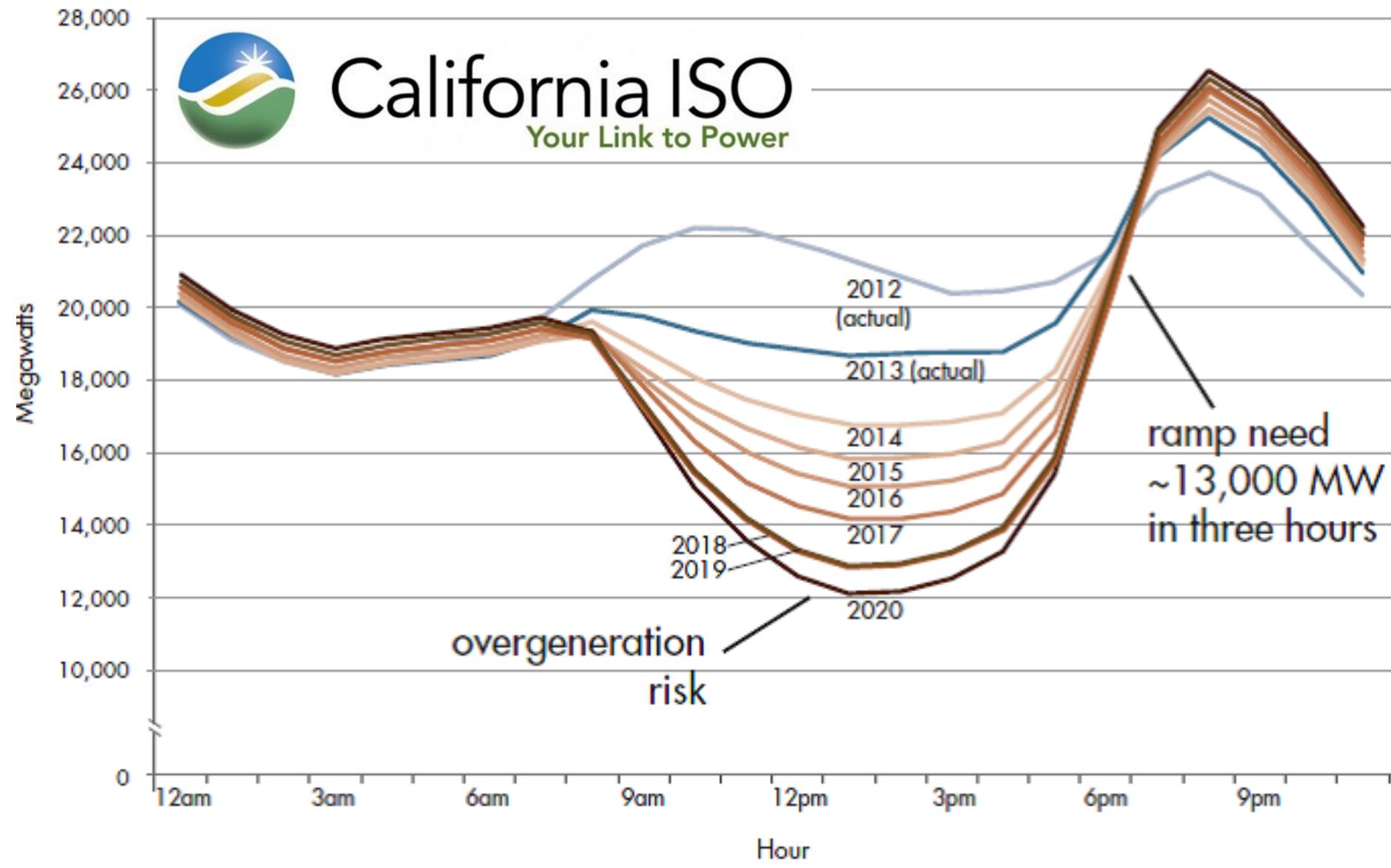
# The Background - The GHG Problem



# The Background - One GHG Solution



# The Background - The Solar Problem



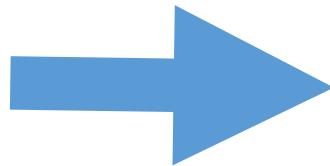
# The Background - The CEC

## Welcome to the California Energy Commission

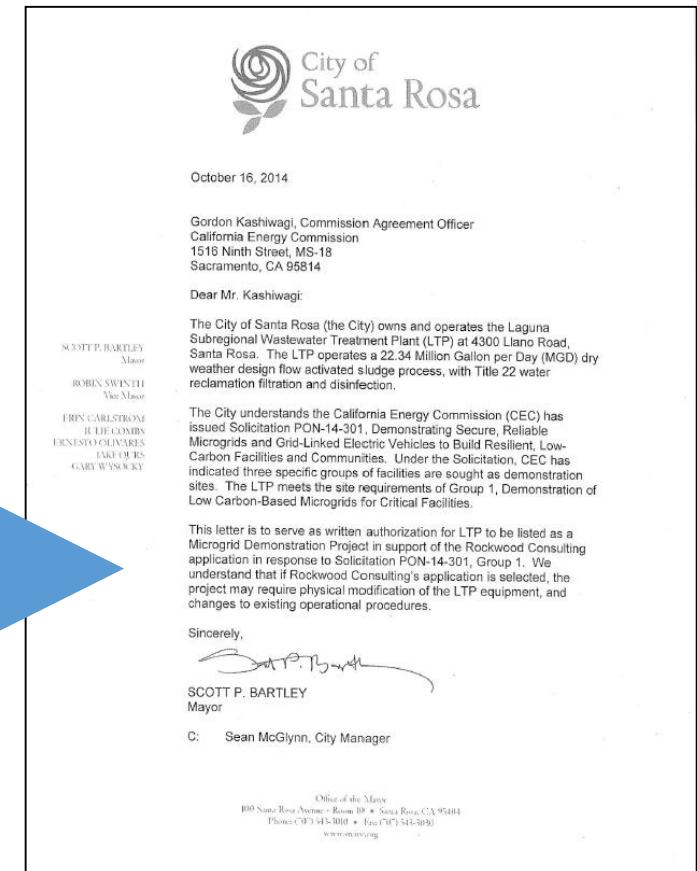
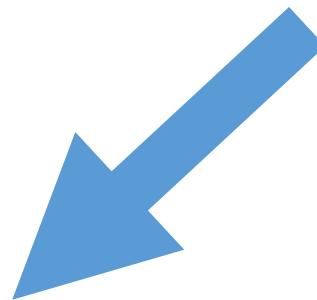
The state's primary energy policy and planning agency



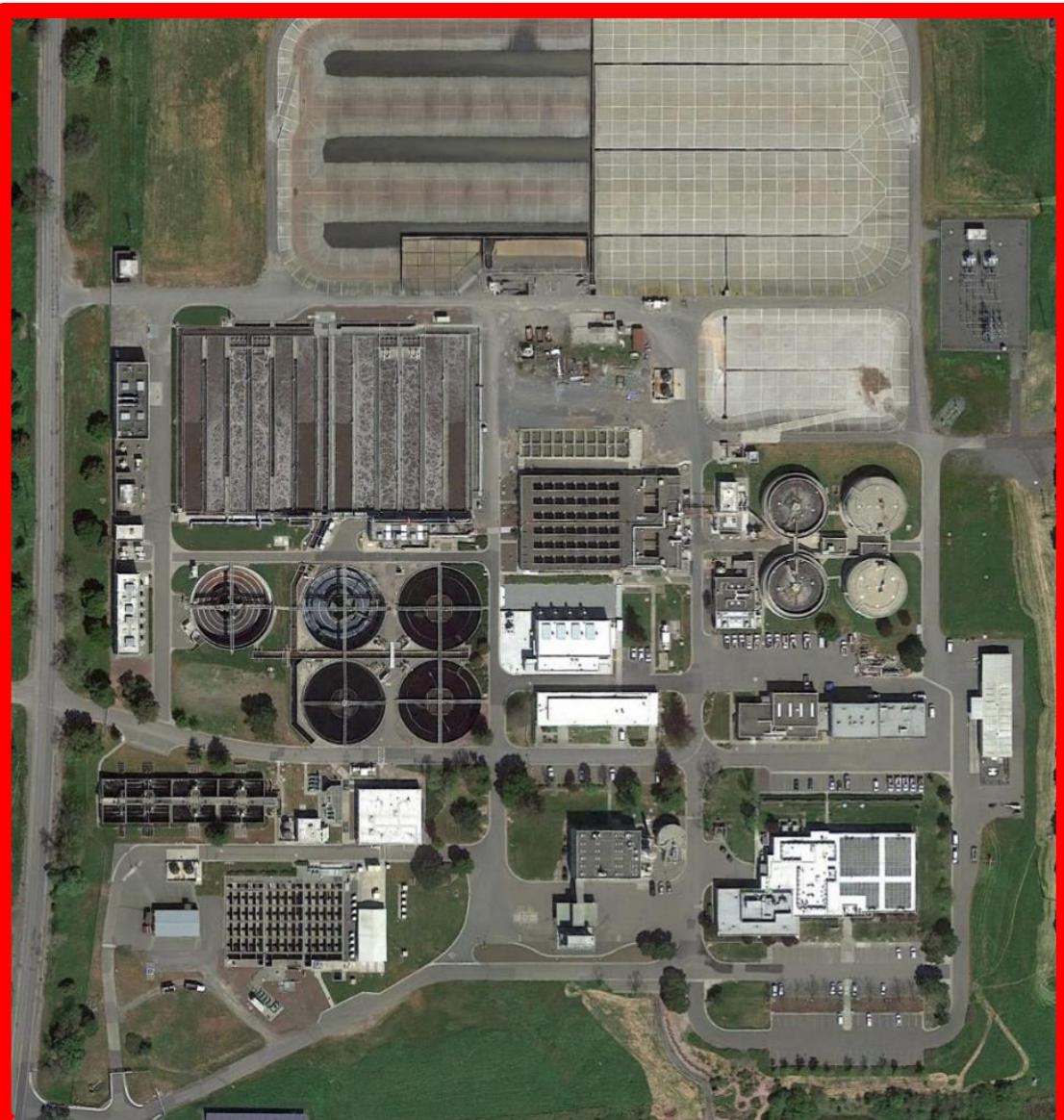
# The Background - The Grant



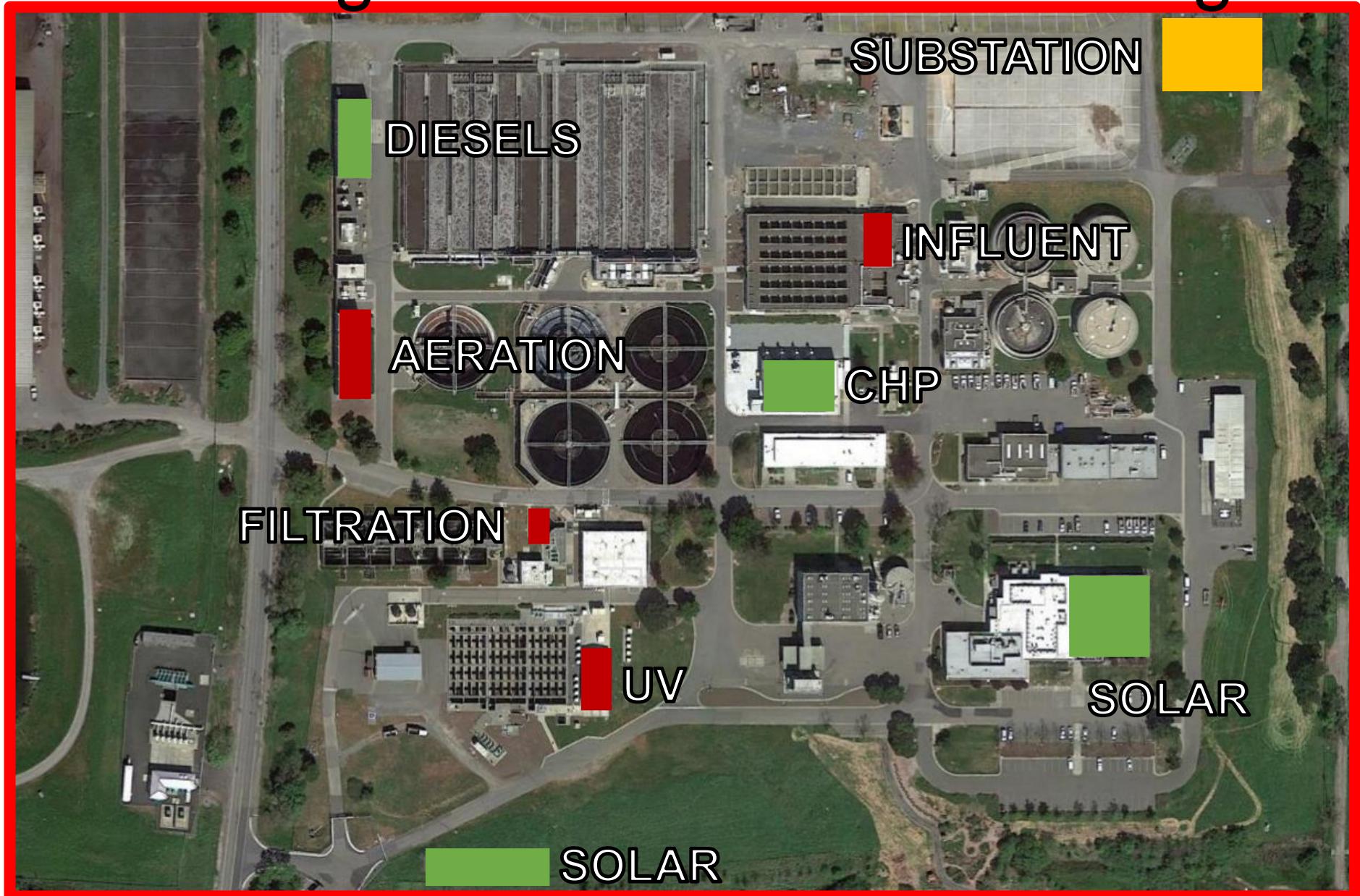
**TRANE®**



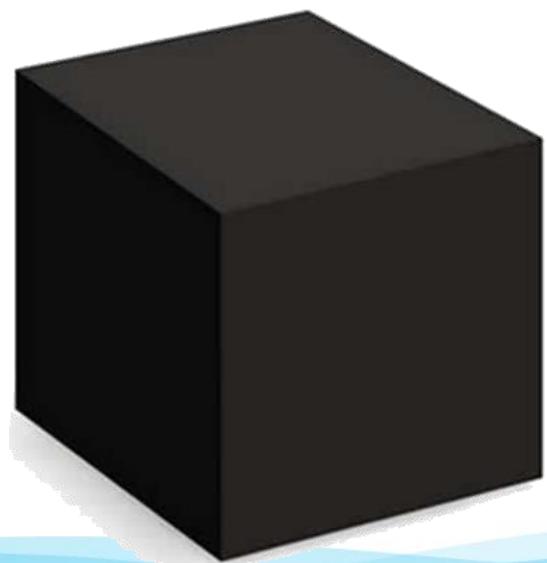
# The Background – What is a Microgrid?



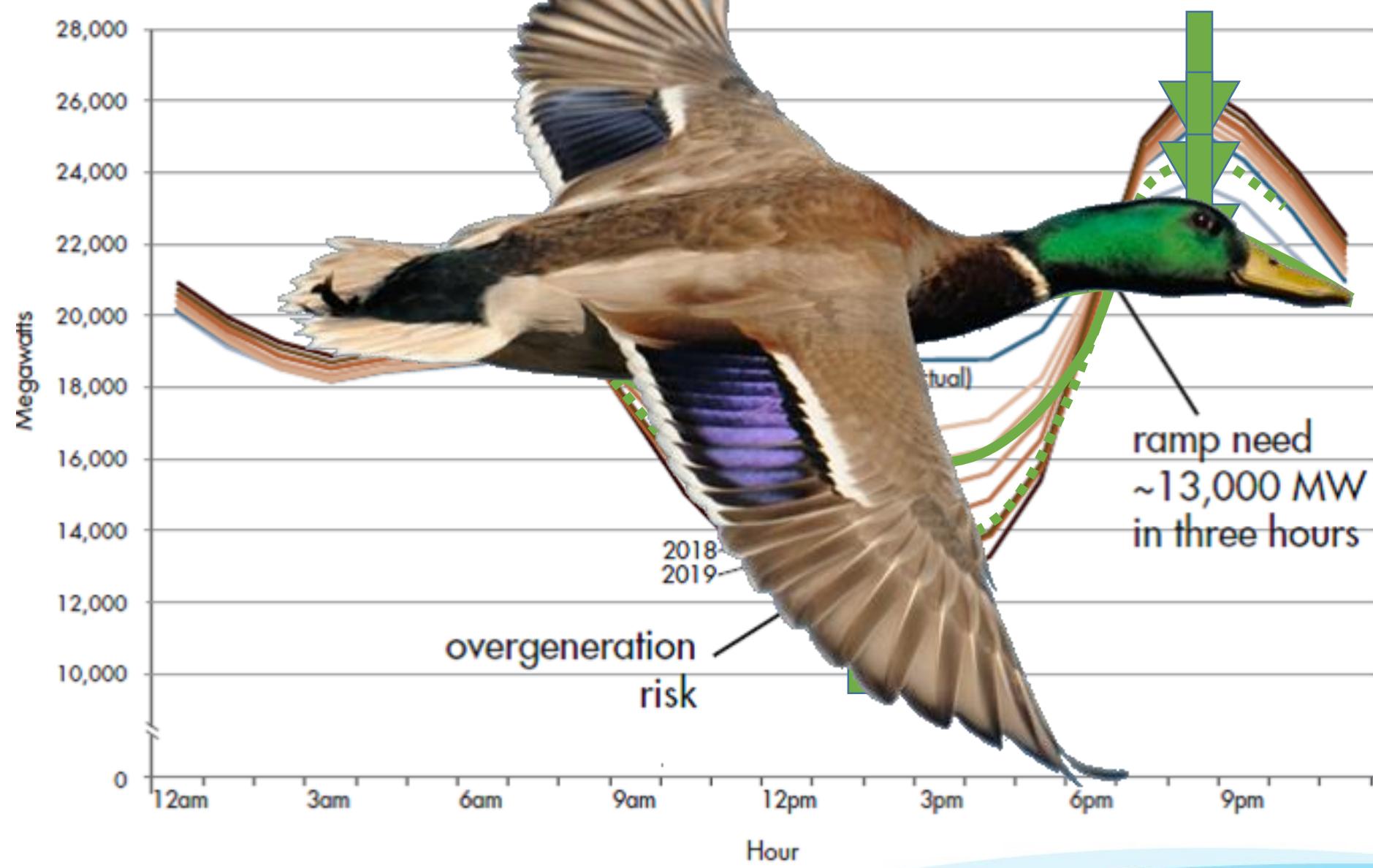
# The Background – What is a Microgrid?



# The Project – What is it?



# The Project – How does it help?



# The Future – Benefits



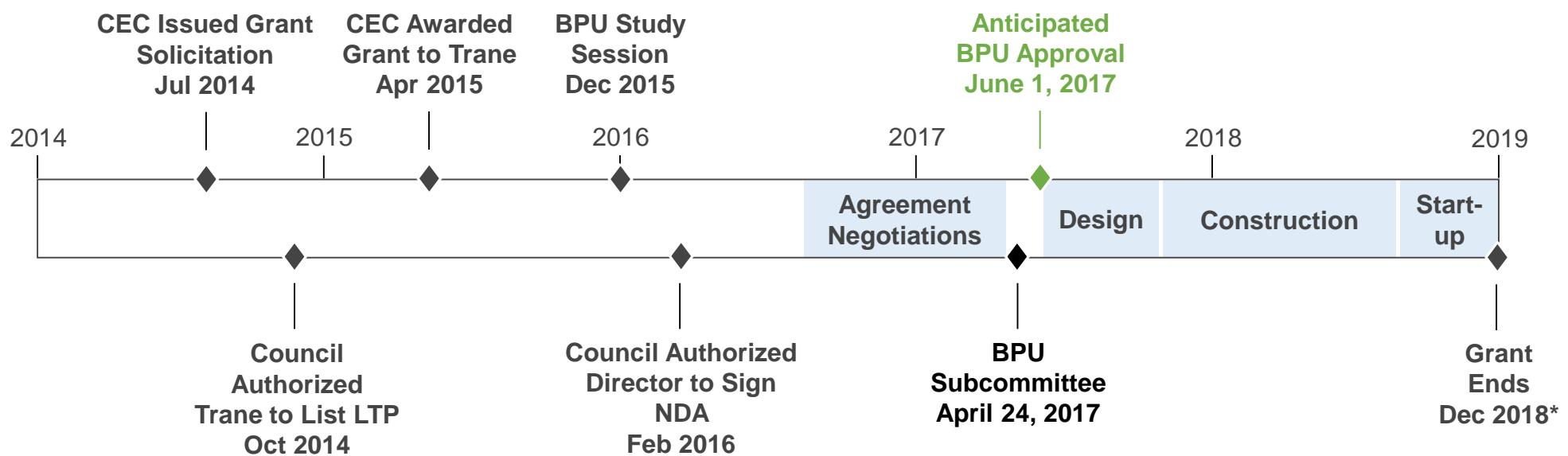
# The Future – Benefits



2 for 1



# The Future - Timeline



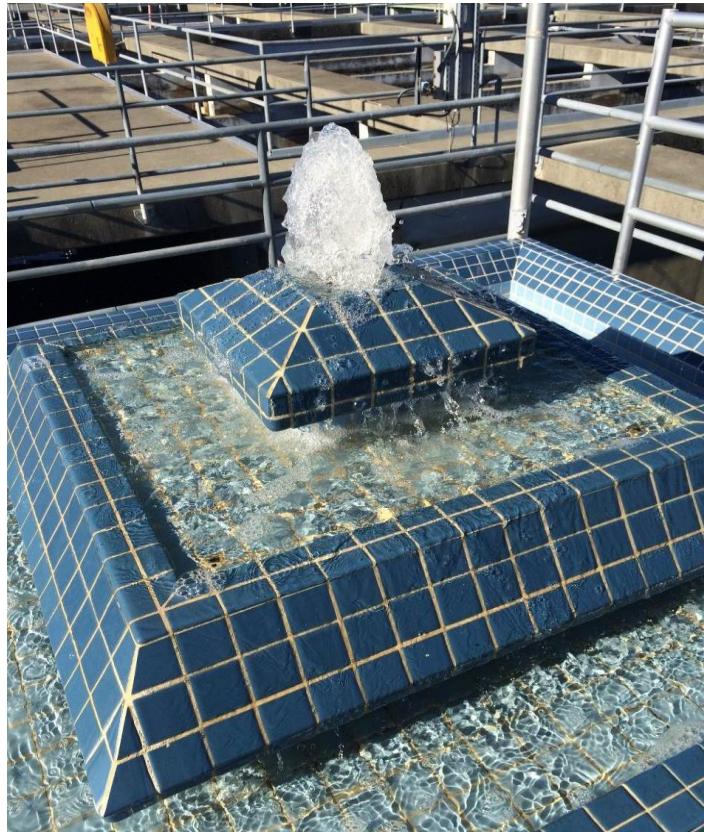
# The Agreement

## RECITALS

1. Generally.
2. Design of the Microgrid System.
3. Required Permits and Approvals.
4. Construction and Completion.
5. Microgrid System Startup and Testing.
6. Liability; Indemnity and Insurance.
7. Hazardous Materials.
8. Transfer of Ownership.
9. TERM.
10. Responsibilities for Delays.
11. Miscellaneous.

# RECITALS

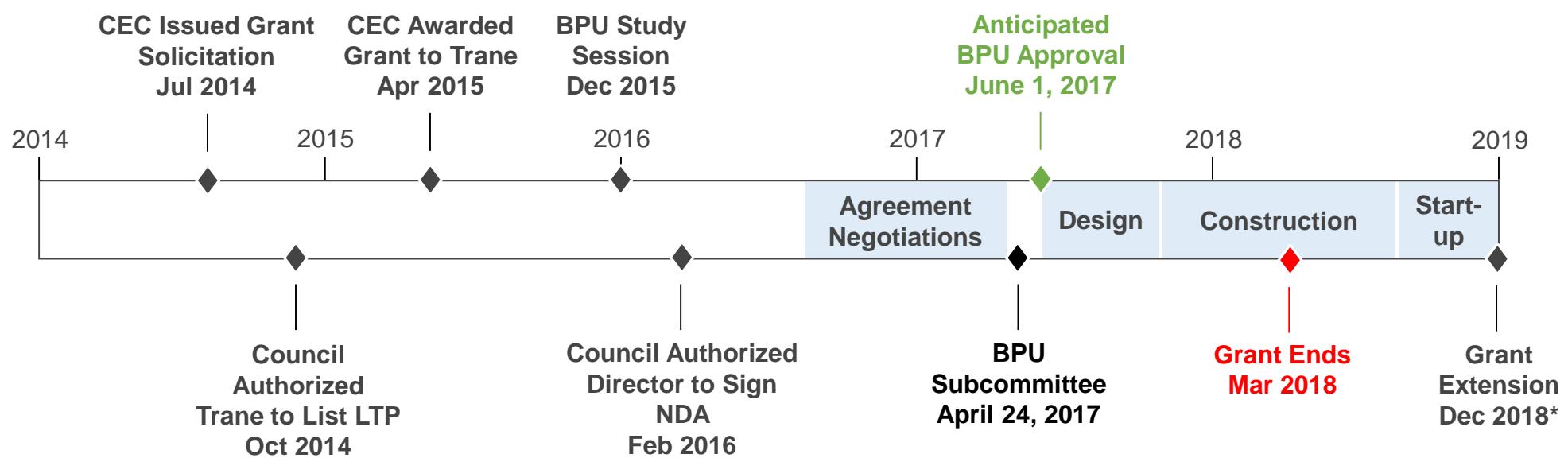
C. The LTP is first and foremost dedicated to providing wastewater treatment services to the City and its subregional partners.



# 1. Generally

## A. Condition Precedent

The Agreement is contingent on receipt of an extension by Trane from the CEC for the completion of the Microgrid Project.



## 2. Design of the Microgrid System.

A. Trane will be solely responsible for preparing design drawings and submittals for the Microgrid System.

- (i) 2 SCR units
- (ii) 2-Mwh battery and controller
- (ii) 125-kw PV parking canopy

B. Trane shall provide design for City review at 90%.



## **2. Design of the Microgrid System.**

B. Trane shall provide to the City, all agreements that will be required to be executed by the City in connection with the Project.

- (i) Interconnection Agreement with PG&E
- (ii) DR Agreement with CAISO

We are requesting signature authority be granted to the Director of Water to execute these operational agreements.



## 4. Construction and Completion.

Trane shall be solely responsible for construction of the Project.

- B. All work will be coordinated with City Staff.



## 5. Microgrid System Startup and Testing.

Startup shall not commence until all work has been accepted.

- A. City has right to immediately cease operation of the Microgrid in its sole and absolute discretion.
  
- C. Trane is responsible for providing training to City Staff.



## 6. Liability; Indemnity and Insurance.

- A. City has agreed to \$750,000 in matching funds.
- B. Indemnification is limited to Trane's negligence and the City is responsible for its own negligence.
- C. In event of obligation to indemnify, cost of defense would be apportioned accordingly.
- E. Limitation of liability is set at \$5M.



# Recommendation

It is recommended that the Board, by resolution, approve the Agreement and delegate signature authority to the Director of Santa Rosa Water to approve subsequent agreements related to the Agreement.



Questions?