



FEDERATED INDIANS OF
GRATON
R A N C H E R I A

**Graton Economic Development Authority
Renewable Energy Efficiency Network Project (G.R.E.E.N.)**

**DOE Annual Program Review
Dec. 11, 2018**

Tim Campbell - Grant Services Manager

Tribal Summary

- Coast Miwok & Southern Pomo peoples
- Tribal Restoration in 2000
- 1400+ tribal citizens
- Tribal Governance & Economic Development (GEDA)
- www.gratonrancheria.com



G.R.E.E.N. Project Overview

DOE 2017 Grant Award

- Install 1.5 Mw PV System
- \$1,000,000 federal award
- \$2.65 million Tribal Match
- 24 month project



Project Location

Tribal Reservation 250+ acres

Graton Economic Development
Authority – Project Lead

Regional Focus – Clean Energy

Furthers Tribal Values:

***Social Justice &
Environmental Stewardship***



G.R.E.E.N. Project Specifics

- 2016 Renewable Energy Systems Analysis
- 140,000 s.f. rooftop available (in yellow)
- 2nd Alternate Energy Project on Tribal Lands



Project Partners

- **Coordination & Outreach**

- Graton Economic Development Authority (GEDA)
- Graton Resort & Casino
- Sonoma State University

- **Project Consultants**

- Kenwood Energy – Technical Advisor
- Structural & Electrical Engineers



G.R.E.E.N. Project Outcomes

- ***PROJECT GOALS***

- **GOAL 1 - Model Tribal Environmental Stewardship**
- **GOAL 2 - Create a Sustainable, Renewable Energy Resource for the Tribe**
- **GOAL 3 - Establish Tribal Energy Independence and Energy Choice**
- **GOAL 4 - Provide Tribal Citizen Education in the Energy Sector**
- **GOAL 5 - Encourage Information Sharing (*Intertribal, Multi-Agency and with Project Partners*)**

Relevant Background Info

- Tribal Focus - Alternate Energy
 - 2015 EV charging stations were funded as part of a California Energy Commission Grant managed by the Bay Area Air Quality Management District
 - Sustainable Project Model to build capacity to support future development of tribal lands



2018 Project Objectives

- ***Project Design*** – 3 Tasks
 - **Task 1** - Project Admin.
 - **Task 2** - RFP > Services Agreement
 - **Task 3** - Installation



Project Challenges

- *Identified Issues*
 - **Project Design & Installation**
 - Solar system design tie-into
 - Tie in requires enterprise downtime
 - Severe economic impact to 24/7 business
 - **Project Options Under Review**
 - Project extension
 - Install increased backup power supply

Follow Up - Questions

- *Project Contacts*

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