



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.)**

Project Updates

**2020 DOE/OIE Annual Program Review
Dec. 15, 2020**

***Michael Ulizio, Executive Director
Graton Economic Development Authority***

Tribal Background

- Coast Miwok & Southern Pomo peoples – North of SF, CA
- 20th Anniversary Tribal Restoration (Dec. 2000)
- Serving 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 (with project redesign estimated for 2.4 Mw)
- \$1,000,000 federal award
- \$2.567 million Tribal Match
- Project end date 9/30/2022



Project Location

Sonoma Co. California –
Tribal Reservation 250+ acres

Graton Economic Development
Authority – *Project Lead*

Regional Focus – Clean Energy

Project Supports Tribal Values:
***Social Justice &
Environmental Stewardship***



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

- 2016 Tribal Renewable Energy Systems Analysis
- 140,000 sq. ft. rooftop available for project
- 2nd Alternate Energy Project on Tribal Lands
 - 1st Project (2015)
 - (8) Elec. Vech. charging stations



Graton Solar Project Objectives

- ***Project Design*** – 3 Tasks
 - **Task 1** - Project Admin.
 - **Task 2** - RFP > Vendor Contract
 - **Task 3** - Installation and Performance Monitoring



Project Challenges since last Update

- *Past Barriers & Current Status*
 - **Project Design & Installation (2018)**
 - Solar system design tie-into local utility impacts to economic enterprise
 - Prolonged downtime revealed lack of sufficient backup generator power
 - Project extension requested for added generator capacity (2019)
 - **Project Remedies in Process (2020)**
 - Increased backup power supply design – parallel project supports Task 2
 - Vendor selected (Task 3) contract in negotiations with COVID 19 safeguards
 - Project Commissioning Fall 2021

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*)**

Supporting Background Info

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



Project Partners

- **Coordination & Outreach**

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



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- **Project Consultants/Vendors**

- Kenwood Energy
- Borrego Solar Systems



Follow Up - Questions

- *Project Contacts*

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