

Dry Creek Rancheria Band of Pomo Indians

- Ancestral lands were in Russian River Valley near Healdsburg, CA
- 1350 Tribal Members. Living primarily in Sonoma, Lake, and Mendocino Counties
- Tribal Rancheria on steep rugged land outside Geyserville. Not suited for housing development.









Dry Creek Rancheria Cultural Values

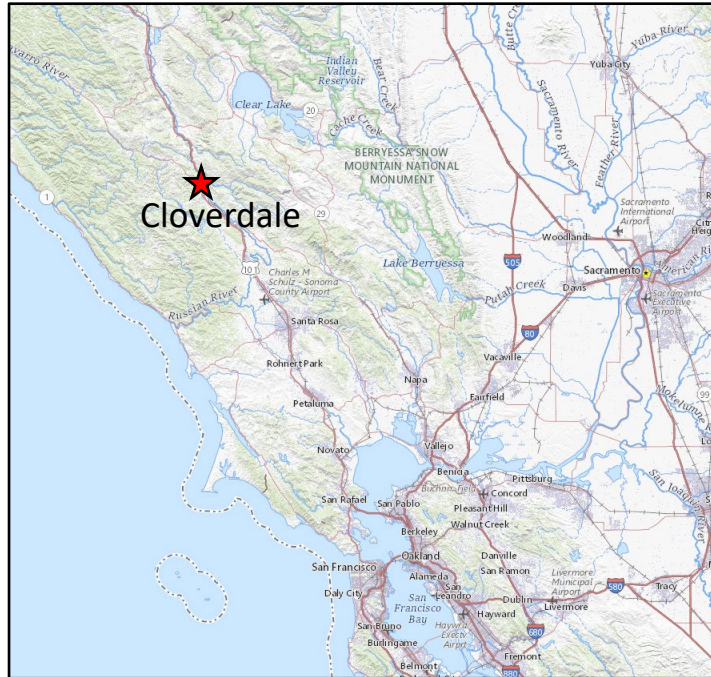
- Family is the most important thing
- Get along with your neighbors
- Be generous
- Leaders rise to and maintain authority by serving their people
- Sustainable living – “This land was made for us, and we were made for this land”

Stormwater Garden with
Native Plants

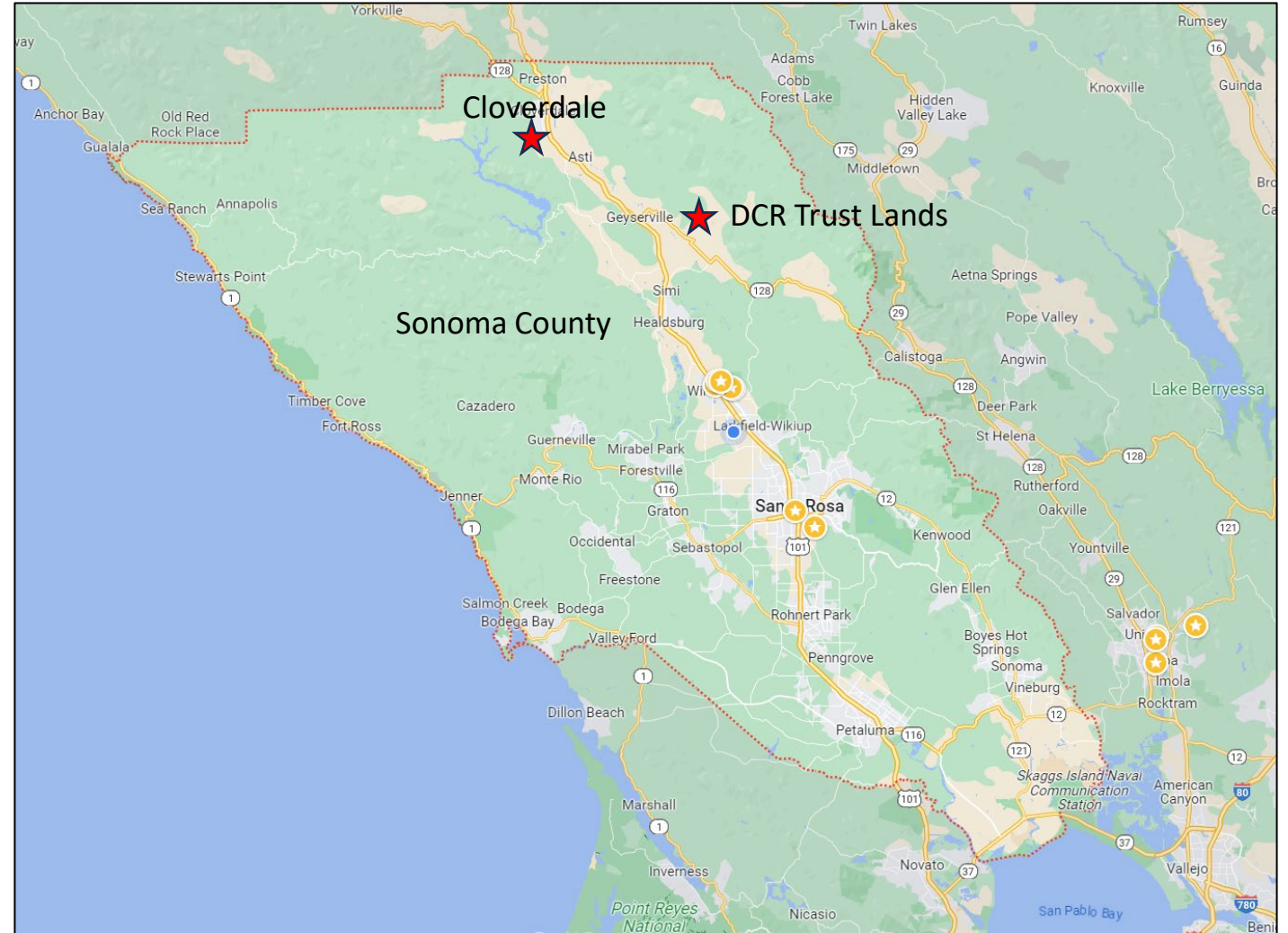


Location Map

- Cloverdale, Sonoma County, CA



Northern California



Sonoma County

LACO

Aerial Photos



Now



Project Beginning: Nov. 2022

Construction

Unit Framing Begins (Feb. – Sept. 2023)















Kitchen with attached laundry room

Bedroom



ADA Accessible Bathroom



Newly Paved Rd: Nopo Way

Community Center:
Front



Community Center:
Side





Our mission is to build community-powered solutions to advance economic and environmental justice through renewable energy. We serve as trusted advisors and technical experts. We are here to listen, serve and co-create.



GRID

ALTERNATIVES

North Coast

- Direct solar installation & technical assistance
- Backup Battery installation
- Workforce development
- Indigenous Single Family, Multi Family, Community Solar
- Off grid systems

SCOPE OF WORK: GEOGRAPHY

Out of 25 Tribes - worked with 19 in region

Total Population - 458,887

Total Area- 10,000 square miles

Over 300 projects with tribes

Total Lifetime kWh production
41,052,010

Total Expected Net Lifetime
Savings \$9,725,890

Our small but mighty office located in Willits, CA 3.5 Northern Counties. (PG&E Territory)



SOLAR + STORAGE

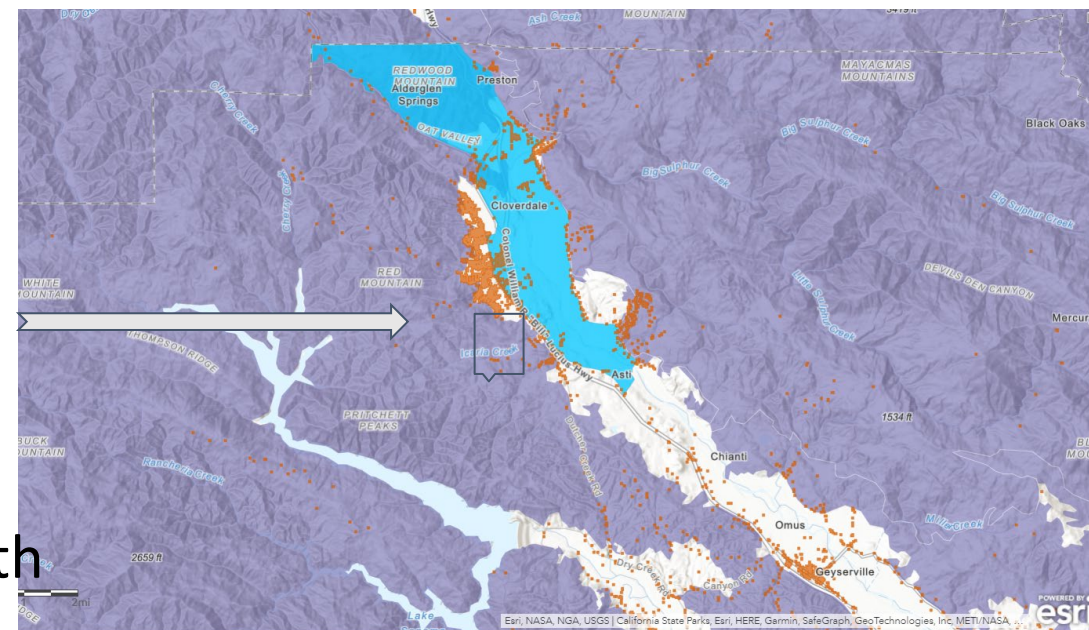
- ★ **5.4 kw PV + 15 kWh**
- ★ **Batteries fill in one day**
- ★ **90% Energy Offset**



- Self Consumption
- Time of Use-avoided rate charges
- Emergency Backup

On the edge of high fire threat zone

Purple-Tier 3 Fire
Orange-PSPS events
Blue-Census tracts with
a presumed resale



Bi'du Khaale Solar

IMPACTS:

20 Trainees Get Solar Experience

Achievement of Renewable Energy Milestone

Resilience and Emergency Measures



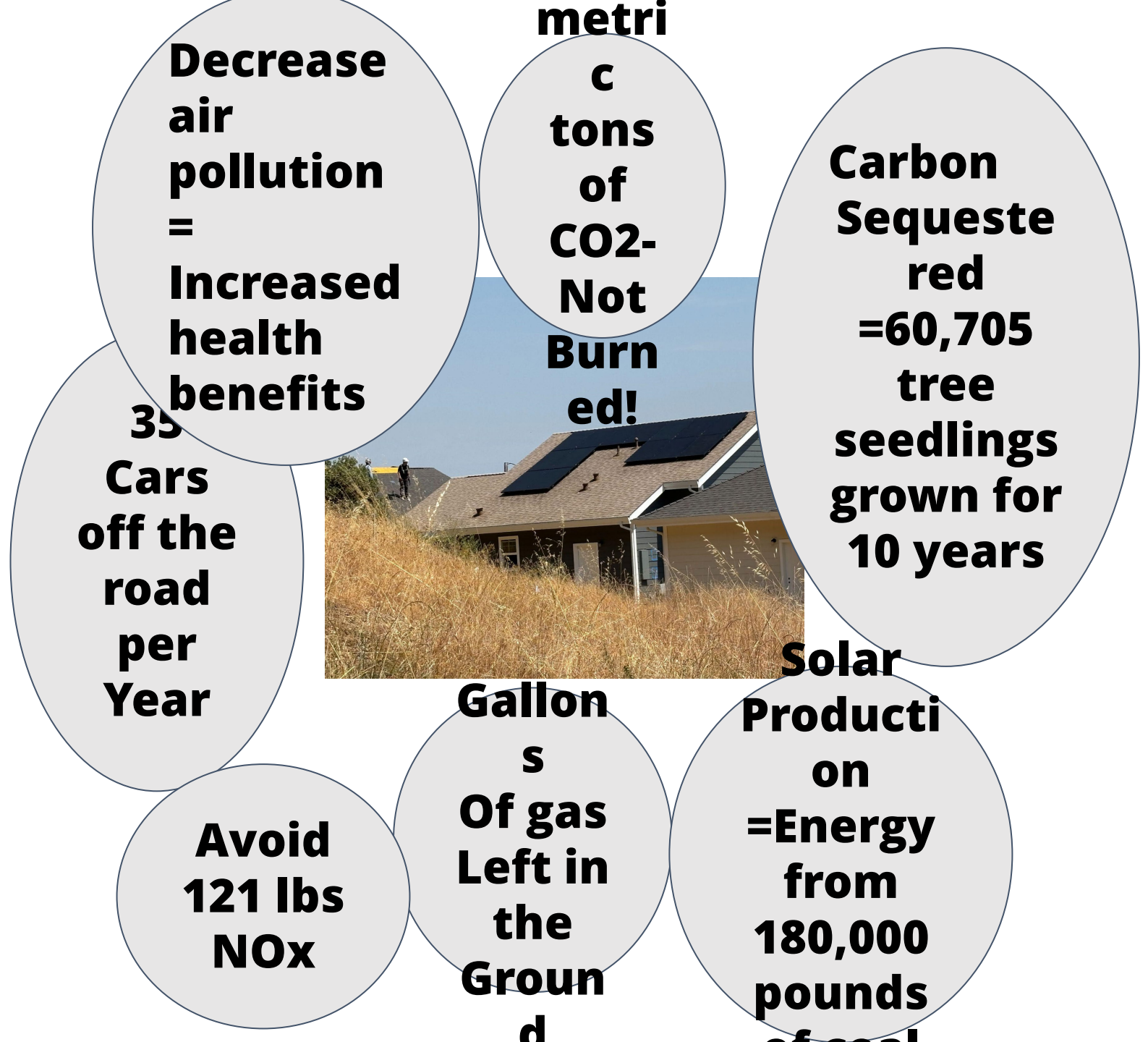
388 Panels = 150.2 kW 205 MWh Yearly Production



ENVIRONMENTAL IMPACTS

Greenhouse Gas Calculator:

<https://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator>





FINANCIAL IMPACTS:

\$1,286,562 savings
over system lifetime
(25 years)

80% Annual Bill
Reduction

~\$2,000 Savings Per
Tenant/Year





BENEFITS OF BATTERIES

16 Hours of Runtime

With Solar-7 Days
Of Backup

2 Largest Loads not
Backed up

~\$280 savings monthly



Pacific Gas & Electric

Since 2020, the average residential rate by homeowners has increased by over 49%



Solar Installation Basic Training (IBT) & Hands-on Outcomes for Trainees



- 40 hours paid online IBT certification
- Paid hands-on experience on
- OSHA 10 certification

Skills Learned:

- Job Site Safety
- Fall Protection
- Array Layout & Racking
- Modules & Microinverters
- Electrical Safety
- Electrical Layout and Mounting
- Conduit Bending
- Conduit Installation
- Electrical Wiring
- Monitoring and Communication



Mendocino College PV Class



Meet Trainee Elsa:



Meet Elsa:

Dry Creek Trainee who has completed the online Solar Installation Basic Training (IBT) Certification:

I like to learn something new each day and when I heard about the opportunity to enroll in the GRiD program through my tribal office I was glad to know I could enroll. This is something that I feel would be a great accomplishment for me.

I loved the fact that this class was a work at your own pace, especially since I usually flow at a faster pace than most people so I was able to do this course as soon as each assignment was given.

Meet Trainee Kerri:



Meet Kerri:

Dry Creek Trainee who has completed the online Solar Installation Basic Training (IBT) Certification and 40 hours of hands-on installation experience:

I was originally interested in construction as a new career path. I had some bad experiences with crews treating me badly but my experience with GRID has given me hope that I can do it! They were all super supportive and good teachers. I learned so much.

There's been many highlights from taking my classes from GRID to learn ins and outs of solar, from the simple parts of installation to how the modules and system work. Most of all my favorite highlight is installing the solar panels and seeing the hard work come together.

My only feedback to GRID staff and the organization is to keep up on the positive and amazing work ya'll do and continue to provide solar power to lower income tribes and anyone that wants to make the switch to solar. And to continue giving people a safe and amazing space and opportunity to learn about the trade.

I think my experience with GRID is my literal first foot in the door to the solar industry I...

Meet Angelo:



Meet Angelo

With the help and support of the GRID team I learned the job, I gained a lot of confidence, and now I feel like I am a professional.

"I grew up in Mendocino County which is a beautiful place. I'm Native American and so I have always appreciated that beauty, and I want to maintain it. My experience overall (with GRID) was magnificent, the team was great and really helpful..."

I felt like I was part of the team. I learned a lot, from conduit bending to grounding to getting up on the roof. I also appreciated the little things, like stopping at a beautiful creek or river on the drive after work. We went to the library in Covelo, which showed that GRID staff really cares about the community, and about learning about the community and tribes in the area. Everybody at GRID is working hard, pushing everybody to work hard, stay safe, and get the job done."

"When I heard about the opportunity... I was interested right away... because GRID works with low income families and helps the planet."



Next Gen Solar Installers



Quick Facts: Solar Photovoltaic Installers	
2023 Median Pay ?	\$48,800 per year \$23.46 per hour
Typical Entry-Level Education ?	High school diploma or equivalent
Work Experience in a Related Occupation ?	None
On-the-job Training ?	Moderate-term on-the-job training
Number of Jobs, 2023 ?	25,000
Job Outlook, 2023-33 ?	48% (Much faster than average)
Employment Change, 2023-33 ?	12,000



Dry Creek
Housing Dpt.

DOE / TSAF

GRID
Alternatives
Bay Area North
Coast





People. Planet. Employment.

Thank You DOE!
Questions?