



GRID Alternatives Tribal Program Project Development for Long-term Tribal Energy July 27, 2016

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Vision and Mission



Vision: A successful transition to clean energy that includes everyone

Mission: Make renewable energy technology and job training accessible to underserved communities

People. Planet. Employment.



GRID Alternatives History



2001: Founded by Erica Mackie and Tim Sears

2004: First installation in California, Bay Area

2009: Expanded to 7 offices in California

2012-2014: Expanded to Colorado, New York (Tri-State) and D.C. (Mid-Atlantic)

2015: Promote diversity in the industry (RISE, Women in Solar)





Tribal Program History and Impacts



History

First project January 2010—North Coast Office

Tribal Installs To Date
434 Tribal Installations

Over 1.68 Megawatts
Clean, renewable solar power

Over 290 Tribal Volunteers
Trained in solar installation on Tribal projects

40 Tribes Total



Volunteers and Workforce Development



Partnering with Tribes

- Work closely with Tribal government
- Seek guidance/feedback from the tribe about their needs or areas of interest
 - Housing Stock/condition
 - Strategic Energy Plans
 - Tribal College
 - Building local capacity
- Engage potential labor force
 - Students
 - Veterans
 - Women
- Encourage partnerships with Federal Agencies—DOE, DOI, HUD, technical assistance/plan



Our Tribal partners contribute:

- Vision – *strategic plans for solar, jobs, and solar businesses*
- Knowledge
 - Local interest in renewable energy projects
 - Opportunities for positive impact
 - Ways to engage community
- Identification of funding sources
 - Federal, state, private
- Collaboration with GRID on funding proposals



What GRID Provides:

- Energy Awareness
- Technical knowledge
 - Project Development
 - Design
 - Interconnection process
 - Inspection
 - Training/Safety
- Fundraising capacity
- Equipment partnerships



- Partnerships with Tribal colleges and vocational programs
- Hands-on training to supplement solar and construction education curriculum
- Fully customizable training to meet community needs
- Service to the Tribe through installations





Success Stories – Rosebud-Sioux

- Introduced to Ken Haukaas through a GRID installation in Boulder, CO
- Demonstration Project for Tribal Solarthon (Wells Fargo Grant)
- Collaboration on DOE Funding (10 homes, 58 kW DC)
- Partnerships
 - Sinte Gleska University, RESCO, and SWA Corp





Success Stories – Bishop Paiute

80 total projects installed, 304 kW DC

Solar Futures 2016

- 5 youth from Bishop Paiute Reservation
- 4 projects completed
- 5 in-class sessions

Bishop Paiute and Inland Empire Partnership

Keys to their success:

- Outreach
- Funding Mechanism
- Tribal goals
- DOE Funding
- Implementation



Thank you!

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