



A LOW CARBON, COMMUNITY SCALE MICROGRID



MICROGRID GOALS

- Maximize Use of Clean Energy
- Layer Clean Energy and Storage
- Increase Community Resilience
- Power Emergency Shelter Facilities
- Reduce/stabilize Energy Costs
- Replicable, Economic System

MICROGRID PROJECT SUMMARY

- Generation:
 - » New 0.5 MW Solar PV Array
 - » New 1 MWh Battery Storage
 - » Existing Generators
- Loads:
 - » Campus of Six (6) Buildings
- Government Offices
- Casino
- Hotel
- Event Center
- Storage Building
- Clean Energy Center
- Management
 - » Centralized Microgrid Management System



Blue Lake Rancheria

Pairing climate action with community resilience – an investment by the Blue Lake Rancheria Tribe.

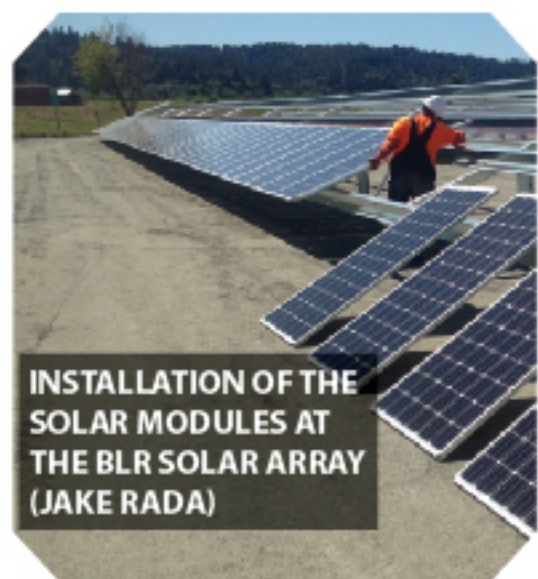
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GRADUATE STUDENTS JAKE RADA AND PRAMOD SINGH ON SITE AT THE SOLAR ARRAY (KELLIE BROWN)



COMPLETE SOLAR ARRAY AS SEEN FROM THE BLUE LAKE HOTEL (JAKE RADA)



INSTALLATION OF THE SOLAR MODULES AT THE BLR SOLAR ARRAY (JAKE RADA)



TESLA BATTERY BANK WITH THE SOLAR ARRAY IN THE BACKGROUND (KRISTEN RADECKY)



MOUNTED SOLAR MODULES AT THE BLR MICROGRID (KELLIE BROWN)



MICROGRID PROJECT PARTNERS

Building this microgrid was only possible due to strong public/private partnerships. We are grateful to these organizations for their investment, expertise, and climate action:

- Humboldt State University
- Schatz Energy Research Center
- California Energy Commission
- Idaho National Laboratory
- Pacific Gas and Electric Co.
- Siemens
- Tesla
- REC Solar
- Colburn Electric
- Kernen Construction
- U.S. Department of Energy (DOE)
- DOE Office of Indian Energy
- National Renewable Energy Laboratory
- U.S. Department of Interior (DOI)
- DOI Bureau of Indian Affairs



SYMBOLIC GROUNDBREAKING BLR COMMUNITY MICROGRID

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