

APS/CFE RENEWABLE ENERGY PROJECT

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APS/CFE RENEWABLE ENERGY PROJECT

- Team with CFE to provide a community energy service using renewable energy technologies
- Manage the institutional issues to make a sustainable business model

SITE SELECTION CRITERIA

- Potential for good solar and/or wind resources
- Existing infrastructure and economic activity
- Potential for economic growth
- Low probability of connection to the electric grid in the near future

SAN JUANICO

- Coastal fishing village of ~ 400 people
- World-class surfing, small resort, airstrip
- Diesel power 4 hours/day, existing mini-grid
- Peak load of ~ 50 kW
- Unused fish processing/cold storage facility

PROJECT STATUS

- All major equipment items delivered to Yucca power plant in Yuma
- Delivery to San Juanico awaiting IVA tax issue resolution
- PCU in Phoenix for initial acceptance testing

PROJECT STATUS

- Electric Patronato has been formed
- Tariff structure has been developed -
approved by village
- Connection fee being collected
- Civil work has been completed
- Plant in operation by March 31st 1999

SYSTEM CONFIGURATION

- Ten 10 kW wind turbines
- 17 kW photovoltaic modules
- 420 kWh battery storage
- 80 kW backup diesel generator
- 72 kW dc/ac inverter