Campo Net Meter Project

Michael Connolly Miskwish, MA
Economist/Engineer
Campo Kumeyaay Nation
Location map
Tribal Energy Planning

- Current 50 MW project
- Proposed 160 MW project
- DOE energy grant
  - Land use planning, renewable energy zones overlay
  - Economic analysis
  - Transmission, queue, PPA
  - Energy Resource Agreement analysis
  - Tribal Net meter turbine planning
California SGIP program

- **Self Generation Incentive Program**
  - Requires utilities to allow net metering
  - Does not affect the capacity payments
  - Federal incentives still apply

- **State Incentive $1.07 per watt**
  - 0-1 MW 100%
  - 1-2 MW 50%
  - 2-3 MW 25%
5% decline per year starting in 2014

Incentive paid 50% upon completion, 50% spread over 5 years.

1.7 MW GE turbine chosen, governor installed to downrate to 1 MW

Changes by CPUC may allow governor removal
Performance

Casino Turbine Financial Benefit

- August 2014: $2,000 (Property Tax), $4,000 (Energy Savings)
- September 2014: $2,000 (Property Tax), $4,000 (Energy Savings)
- October 2014: $2,000 (Property Tax), $4,000 (Energy Savings)
- November 2014: $2,000 (Property Tax), $6,000 (Energy Savings)
- December 2014: $2,000 (Property Tax), $5,000 (Energy Savings)
- January 2015: $2,000 (Property Tax), $5,000 (Energy Savings)
- February 2015: $2,000 (Property Tax), $4,000 (Energy Savings)
- March 2015: $2,000 (Property Tax), $4,000 (Energy Savings)
Milestones

- Year six buyout option at fair market value
- Year twenty lease ends
  - Renew
  - Buy out at fair market value
  - Operator removes turbine
- Closure fund established at year 15
Cost to Tribe

- Project Manager – approx 200 hours over 1.5 years.

- Legal review – under agreement with developer, cost split between tribe & developer. Approx. 150 hours of legal support.

- Operational costs, insurance, maintenance, monitoring done by Foundation.

- Emergency preparedness coordinated with Campo Reservation Fire Department and Casino.
Total Post Planning Costs

The total costs to the Campo Kumeyaay in staff time, government review, etc. for the entire project is under $50,000. Of that, most was covered by existing (non-DOE) grants.
Key Players

- Campo Executive Committee with delegation by the General Council
- Tribal development corporation (Muht Hei, Inc.) with Casino management
- Foundation Windpower, Inc.
- Bureau of Indian Affairs
- Tierra Environmental Services
- Campo Environmental Protection Agency
- Campo Reservation Fire Department
- Michael Connolly – Project Manager