

# Statewide Wood Energy Team (SWET) Annual Review

BWG meeting | September 16, 2015

# Participants

Organization	Name
Watershed Research & Training Center	Nick Goulette
	Angela Lottes
USFS, Region 5	Larry Swan
	Robert Goodwin
Sierra Nevada Conservancy	Kim Carr
	Elissa Brown
University of California	Peter Tittmann
	Rick Satomi
California Energy Commission	Garry O'Neill
CAL FIRE	Doug Wickizer
TSS Consultants	Tad Mason
Sierra Institute for Community & Env.	Jonathan Kusel
	Mik McKee

# Meetings

- **California's SWET has been meeting for almost 1 year!**
  - **Convened 18 meetings via conference call**
    - **Now meeting monthly**
  - **Meetings last about 2 hours**
  - **Half of the members participate on each call**
- **Meet with other SWETs quarterly**
  - **Share administrative documents**
  - **Discuss barriers**

# Objectives and Activities

- Enhance biomass utilization outreach and education
  - Presented at 4 workshops, planning to co-sponsor workshops
  - Working with under-represented communities
- Coordinate and enhance targeted project development technical assistance
  - Shared project milestones and successes with similar projects
  - Especially embrace communities outside of areas supported by SB 1122 and/or the Sierra Nevada Conservancy
- Conduct pre-feasibility scans and/or feasibility assessments where justified based on pre-established criteria
  - SWET has awarded 8 pre-feasibility scans
- Assist projects with completed and promising feasibility assessments to apply and obtain next level of funding and support
  - Assisted in securing funding for two projects to undergo System Impact Study, a late-phase expense incurred before projects can obtain private financing

# Objectives and Activities

- Improve effectiveness of stakeholder coordination
  - Planning a meeting to update the BWG work plan
- Explore and develop financing opportunities
  - Participated in a “Financial Roundtable”, hosted and organized by SWET partners.
  - Organized presentation by two financing firms to the BWG
  - SWET has been researching New Market Tax Credits
- Investigate and establish BWG MOU and future financing mechanism for sustainability
  - The BWG refresher meeting will lay the groundwork for this

# Budget

Activity	Description	% remaining
Personnel	Project administration, BWG coordination, thermal project scans and technical assistance	60%
Project Development Assistance	Assistance with contracting, fundraising for feasibility, engineering and design, and project finance	83%
Technical Assistance	15 assessments at \$2,500 each	50%
Barrier Issues	Sustainability, CEQA and finance	43%
Travel	Member travel to BWG meetings and for on site assistance; travel scholarships	10%
Supplies & Materials	Educational and technical information in support of workshops and project development resources like technical bulletins, case studies and project development guides	90%

<b>Organization</b>	<b>Project</b>
<b>Hoop Valley Tribe</b>	Biomass energy project– concept phase
<b>Quartz Valley Indian Reservation</b>	Utilization Campus – concept phase
<b>Nevada County Biomass Task force</b>	Nevada County CHP
<b>Mendocino Woody Biomass Utilization Group</b>	Ukiah, Covelo, Branscomb CHP projects
<b>Sierra Institute</b>	Portola District Heating
<b>Siskiyou Biomass Utilization Group</b>	Biomass utilization – concept phase
<b>Camptonville Community Partnership</b>	Forest Biomass Business Center
<b>Pit River Tribe</b>	Pit River Biomass Energy
<b>Mooreville Rancheria, LLC</b>	Mooreville CHP
<b>Watershed Research and Training Center</b>	District Heating
<b>Mattole Restoration Council</b>	Biomass energy – concept phase
<b>Gyppo Ale Mill</b>	Brewery
<b>Yosemite Sequoia RCDC</b>	Auberry CHP
<b>Calaveras Healthy Impacts Products Solutions</b>	Wilseyville CHP
<b>Loyalton Community</b>	SPI power plant
<b>Pit River Resource Conservation District</b>	Bieber power plant
<b>Mariposa Biomass Project</b>	Landfill biomass/solar
<b>Fall River Resource Conservation District</b>	Burney/Hat Creek site review of Covanta and Louisiana Pacific mill site
<b>North Fork Community Development Council</b>	North Fork CHP
<b>Biomass Heating Solutions</b>	Outdoor furnace and pellet stove vendor
<b>Biomass Energy Resource Center</b>	Technology Vetting
<b>Darlington Law</b>	SB 1122 Power Purchase Agreement review

# Technical Assistance

- Performed by third party
  - two site review and rankings
  - part of a pre-feasibility analysis for a district heating system
  - review of business models for CHP co-location
  - pre-feasibility analysis of a biomass-heated brewery
- Performed by SWET
  - Opportunity scan and Site review developed
  - 3 opportunity scans

# Project Development

- update to an existing feasibility report
  - Resulted in additional grant award
- assistance with feedstock supply agreement.

# Barrier Issues

- SB 1122 PPA review and comment
- Market review for business co-location with CHP
- Assessment of gasification technology

Thanks!

