CA Statewide Wood Energy Team Opportunity Scan Scope of Work

For communities interested in Wood Energy Developments

Task One: Community Goals

- Convene meeting with interested party- can be conference call.
  - Rank and weight interests:
    - Ecosystem health, economic development, money savings
    - Timeframe for project development
  - Community Capacity:
    - How much time can they commit and potential funds
- Collect existing data:
    - Past studies, maps, other attempted projects
- Suggest system type and discuss
  - Thermal or CHP? <3 MW or larger?
  - Is there any reason why focusing on the optimal type is not wanted?

Task Two: Gather data on buildings for heat and/or power and substations

- Identify Utility area
  - PPA opportunities
  - Interconnection coarse review with PGE/SCE interconnection databases
- Building data:
  - Gather:
    - Name, address and hours of operation for each building
    - Name and number of contact for building data (i.e. maintenance supervisor)
    - Power bills for past 3-5 years
    - Heating and cooling bills for past 3-5 years or current fuel and purchasing receipts for past years
    - Area of buildings (square feet)
    - Primary and backup heating system type (forced air, boiler)
  - Compile in spreadsheet and calculate heating/cooling/power load.
  - Utilize Wood Energy Calculator to estimate opportunities

Task Three: Identify siting opportunities for energy system

- Identify proximal location based on buildings/substation to be serviced
- Investigate available industrial zoned sites or publically owned lots
- Consider environmental issues-
    - Existing air emissions permitting review, brownfields, attainment or non-attainment air-shed

Task Four: Handoff

- Compile information in useful format
  - Findings, remaining questions, potential barriers
  - Next Steps: Recommendations, tools, contacts
  - Funding opportunities