

## GRANT PROGRESS REPORT OUTLINE

GRANTEE: Placer County

GRANT YEAR: 2011

GRANT NUMBER: 11-DG-11052021-160

GRANT PROGRAM: 2011 Hazardous Fuels Woody Biomass Utilization

GRANT EXPIRATION DATE: 12/31/2012

DATES COVERED BY THIS REPORT: July 1, 2012 to September 30, 2012

For each project in the grant narrative, report on the following (electronic format is preferred, but handwritten responses, if clear, will be accepted - please use additional pages if needed.):

Lake Tahoe Region Biomass Energy Facility Technology Integration and Preliminary Design Project

- STATUS

Now that the draft Environmental Impact Report (EIR) and the public responses to that document have been completed our design team has begun to look at the final design issues to complete this intermediate design phase. Wood Rodgers our engineering firm continues to perform the tasks associated with the intermediate site plans and design drawings. TSS is continuing their task of technology integration into the design. More specific details regarding the site layout drawing and 3D conceptual building design are being prepared to finalize by a proposed December Planning Commission hearing on the project. Specific details follow in our progress report.

- WHAT HAS BEEN ACCOMPLISHED SINCE LAST PROGRESS REPORT?

**Site Layout Design** – The project team has made modifications to the preferred site for this project due to looking into more specific information from of energy transmission partner.

**Gather Background Information:** Wood Rodgers continued to collect information regarding the existing on site infrastructure as well as additional preliminary details regarding building requirements for structures within 1000 feet of a landfill.

**Initial Geotechnical Work Scope:** Wood Rodgers initiated contact with the facility manager to identify procedures for completing our Geotechnical field work at the site.

**Building Design** – The project team continues to develop a final conceptual building design drawing. We expect as we get newer information the full internal layout will be developed and possible changes to the overall shape and size may also change during the final portion of this grant.

**Gather Background Technology Vendor Information:** All potential gasification technology vendors/developers were contacted and queried as to their area size requirements. These vendors/developers were supplied with a draft of the Preliminary Design Site Plan, and discussions were held with them. As part of the development of the next draft of the Site Plan, discussions of potential different sizes of the facility building pad, facility building size, including square footage and height requirements for their specific system configuration and equipment.

**Preliminary Facility Requirements:** The entire project development team, as well as representatives of Phoenix Energy, met to further assess building needs and spatial requirements. Site plan updated based on input provided at the meeting.

**Technical Integration-** Continued to collect information from the gasification technology vendors/developers as to their systems building and layout requirements.

- WHAT PERCENT OF WORK ASSOCIATED WITH THE GRANT HAS BEEN ACCOMPLISHED TO DATE?

Approximately 50% of the work has been accomplished to date.

- WHAT IS PLANNED FOR THE NEXT PROGRAM REPORT PERIOD (usually 6 month report period)?

Our work plan shows that we will finalize all aspects of the intermediate site plan and 3D conceptual building design drawings. The layout of equipment for the proposed technology will be in place. All forms of intermediate integration of those technologies into the plans will be accomplished. This information will allow the team to prepare the requirements for the air permitting process which will follow this grant.

The majority of the design work will be accomplished in the final quarter of this grant. Final decisions will be made for the upcoming county permit hearings (projected to be in December) and then detailed design drawings will be developed for possible building permits and construction bids shortly after the completion of this grant work.

A final report will be prepared on the entire project by the end of 2012.

- PROBLEMS ENCOUNTERED

There were no problems encountered during this reporting period. We do not anticipate any grant timeline extensions.

- CHANGES PLANNED

No changes are planned and we still anticipate completion of the project and final report on or before December 31, 2012.

- OTHER COMMENTS:

No further comments.