

## 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: October 31, 2011 to December 31, 2011

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

Our project is active and on-schedule according to original timeline. A contract with Wood Rodgers, a local engineering firm, has been signed and they are performing the tasks associated with the site plans. The following is our progress to date:

**Site Choice** – The project team has reviewed the available facility sites and has chosen the Cabin Creek location as the preferred site for this project (a PDF is attached). All of our work will move forward with this site.

**Background Information:** An assessment of the potential need for additional infrastructure as part of the biomass improvements was performed. Information collected included: overall site plans, topography, and existing utility improvements as were available.

**Site Reconnaissance:** Performed site visit of the Cabin Creek facility with Project Team members (Placer County, TSS Consultants and Ascent Environmental). Five potential locations within the Cabin Creek facility were reviewed in the field.

**Identification of Preferred Alternative:** A total of 5 sites within the Cabin Creek property were considered for the Biomass facility. Due to their relatively remote locations and subsequent infrastructure needs, 3 Sites were ruled out. Conceptual layouts indicated that the anticipated improvements could be arranged to fit at both remaining sites and one was chosen as the preferred site and the other as the alternative for CEQA and NEPA analysis.

**Preliminary Design Site Plan** – A Preliminary Design Site Plan has been prepared and is attached. Upon the conclusion of the comment period of the EIR, a review and update of the site plan will allow the team to finalize the preliminary site plan.

**Developed Preliminary Layout:** A preliminary site plan for the Biomass facility was prepared. The site plan included building locations, storage areas, parking, and access drives. The layout also included proposed retaining walls and preliminary site grading information.

**Site Drainage and Water Quality:** In conjunction with the site layout, site drainage and water quality needs were assessed as part of the project. Improvements incorporated into the preliminary layout included a storm drain/infiltration trench, a water quality basin, as well as the

anticipated storm water discharge location. Preliminary drainage calculations were performed to approximately size these facilities.

On-Site Circulation Patterns: Access to and from, as well as through the site were considered during development of the site plan. Of particular importance, anticipated truck turning radii as well as ingress/egress access drive gradients were considered. A typical end dump truck was assumed in the absence of a specific design vehicle.

Incorporation of Project Team Feedback: Input ranging from building size and location, typical facility operations, adjacent roadway safety, parking, as well as infrastructure was considered. These comments were incorporated and used to update the preliminary site layout. Several iterations of the plan were presented and subsequently reviewed until a viable alternative which suitably addressed current project concerns was completed.

Support of the Environmental Process: In support of the EIR documentation being prepared by Placer County and Ascent Environmental, Wood Rodgers provided pertinent engineering input as required. Wood Rodgers' support of the environmental process ensured that the design intent was properly incorporated into the accompanying Environmental Impact Report for the project.

- **WHAT HAS BEEN ACCOMPLISHED SINCE LAST PROGRESS REPORT?**

This is our first Progress Report.

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

Approximately 4% 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 finish the preliminary site plan and begin to develop the intermediate site plans. Also we will start the integration of chosen technology into the plans.

- **PROBLEMS ENCOUNTERED**

No problems have been encountered to date. We do not anticipate any grant timeline extensions.

- **CHANGES PLANNED**

No changes planned.

- **OTHER COMMENTS:**

No further comments.