

US EPA ARCHIVE DOCUMENT

Community Scale Biomass Utilization at North Fork, CA



7th Annual California Bioresources Alliance Symposium
September 12, 2012 - Sacramento, CA



Project Overview

- Who: North Fork Community Development Council and the Yosemite/Sequoia Resource Conservation and Development Council
- What: Small-Scale Distributed Generation using gasification technology
- When: Target Operations in 2013
- How: Utilizing local forest-sourced woody biomass feedstock
- Where: North Fork, Madera Co., California

Principal Project Stakeholders

- North Fork Community Development Council
- Yosemite/Sequoia Resource Conservation and Development Council
- Crossroads Lumber
- Selected Technology Vendor
- U.S. Forest Service
- PG&E

North Fork Biomass Facility Site



Community Objectives

- Create Jobs for Local Residents
- Support Local Businesses
- Promote Development in North Fork
- Support Responsible Forest Management
- Sustainably Generate Renewable Energy

Opportunities

- Demonstrate the Viability of Forest-Sourced Woody Biomass to Energy Project in the Sierras
- Sustain and Promote Local Economic Growth
- Support and Subsidize Proper Forest Management for Fire Safety and Ecological Restoration

Challenges

- High Cost of Electricity Generated
- New Technologies
- Competitive PG&E Feed-in Tariff Program
- No Heat Load
- Project Financing
- Pre-Development Costs

Requirement Moving Forward

- Feed-in Tariff Program
- Grant Funding to Support the Development of Preliminary Documentation Required by Funding Agencies
- Long-Term Contracts for Feedstock and Electricity Sales

Thank You

Frederick Tornatore
Chief Technical Officer
TSS Consultants
Rancho Cordova, CA
916.601.0531

fatoxic@tssconsultants.com

www.tssconsultants.com

