

American River Watershed Biomass Removal Project

- Project developed to lower fire danger, improve forest conditions and increase watershed efficiency
- Project Activities performed during 2008 summer and fall
- Report available
- Partners







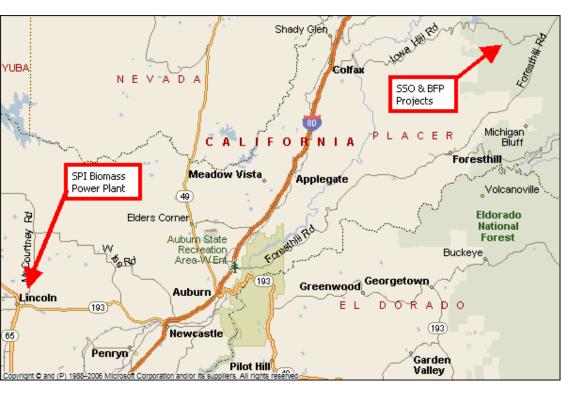








Project Locations



Location of SPI Facility Lincoln, CA

Location of SSO/BFP Projects Foresthill, CA

Location of Sugar Pine Dam and Shirttail Creek Watershed Foresthill, CA





Project Facts

- Case Study Demonstration Project:
 - Moved 7,089 green tons (4,200 BDT)
 - Excellent fuel quality 9,000 Btu/lb, 40% moisture
 - 4,652 MWe
- Economics approx. \$55/BDT (\$3.25/MMBtu)

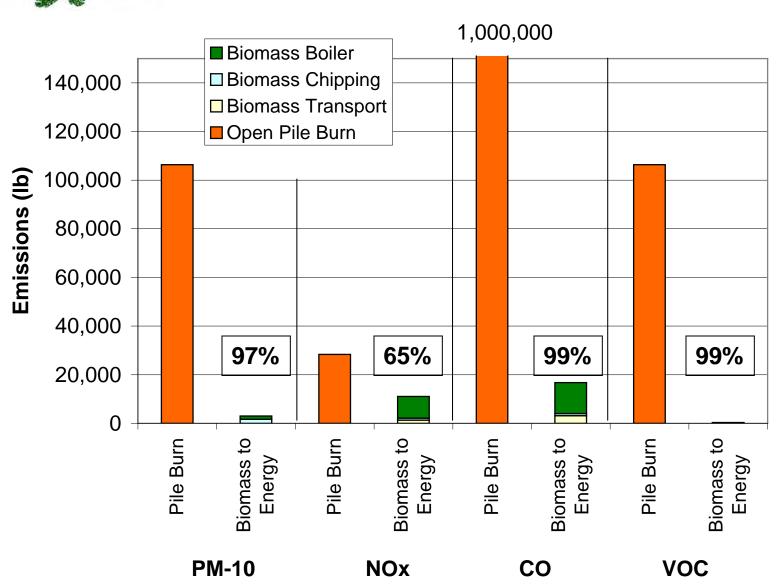
working to increase operating efficiency and reduce cost







Criteria Air Pollution Emission Reductions Open Pile Burn vs Biomass Waste to Energy





Potential Benefits to the Watershed

Now that Biomass piles have been removed:

- USFS rehabilitation & planting of genetically superior seedlings
- Net increase in water yield
- > Forest more fire resilient
- Less erosion





Before After