



# ***Biomass Inventory & Planning For a Region***

## **Small Wood 2008**

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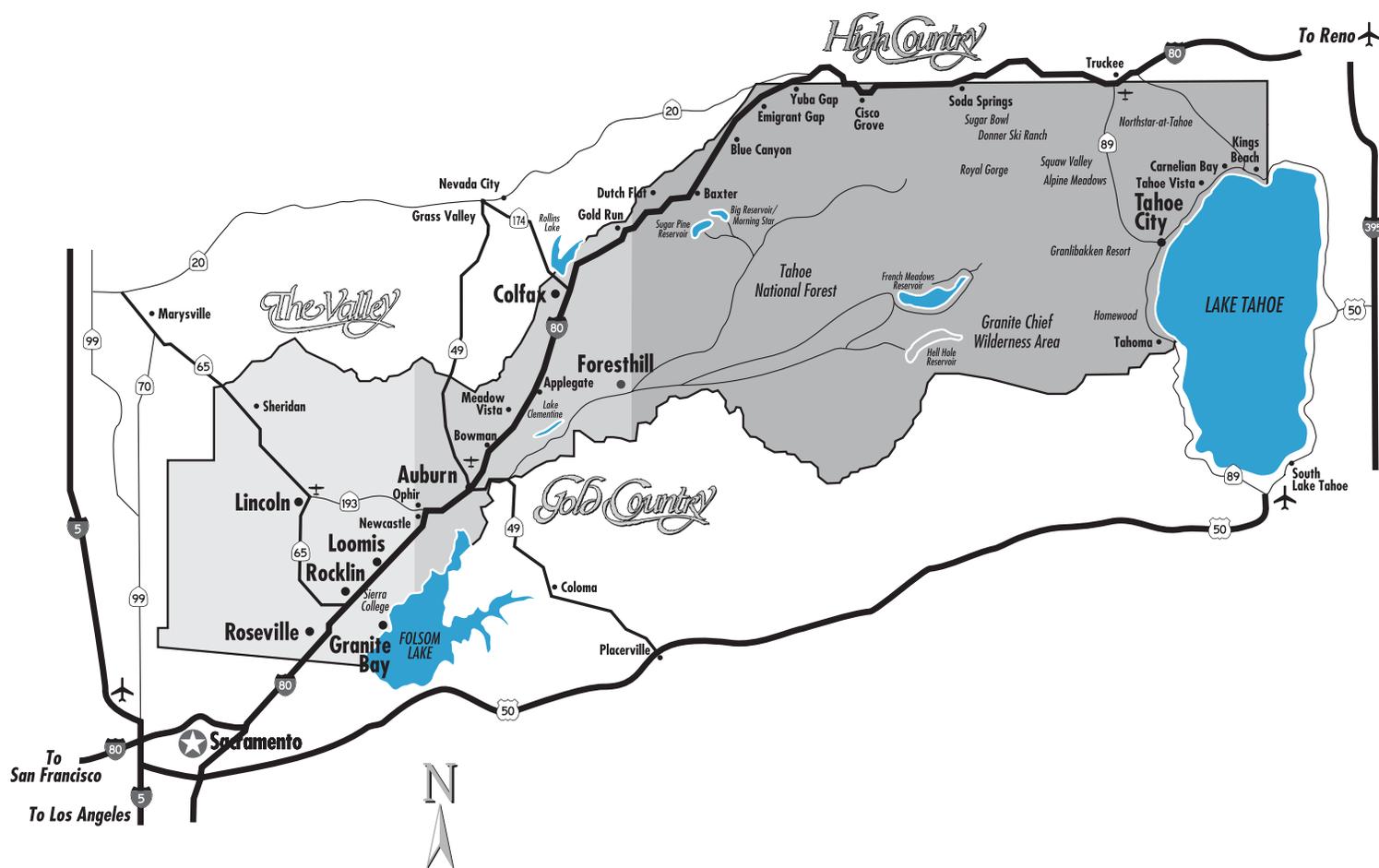




# ***Biomass Inventory & Planning For a Region***

## ***Why a Biomass Program for Placer County?***

**County Stretches from foothills above Sacramento to Lake Tahoe**





## ***Biomass Inventory & Planning For a Region***

### ***Why a Biomass Program for Placer County?***

- ✓ **Lower fire danger**  
Over 50% of Land is Forested and 4 major fires in 7 years
- ✓ **Reduce air pollution from burning**  
Currently a Non-Attainment area, working to solve by 2018
- ✓ **Create green energy**  
State Mandate to reach 20% by 2012
- ✓ **Create future economic growth**
- ✓ **Develop recycling opportunities**  
Woody Biomass has huge growth



# ***Biomass Inventory & Planning For a Region***

## ***Past Biomass Activities***

Forest Thinnings –

Taken to Biomass for Electricity

Made to Mulch

Burned in Place

Chipped and spread



Burned Forest –

Some Harvest

Stands still in place





# ***Biomass Inventory & Planning For a Region***

## ***Present Emphasis***

Placer County Coordinating Efforts for Region  
Programs developed to remove biomass  
Regional Infrastructure supported  
Cultivating business opportunities  
Demonstration activities planned



USFS Willing Partner



CROP Study for region  
Local NF agreements to combine \$ to remove biomass  
National & Regional program support

State Forester Office (CDF) on-board



Regional joint operations for biomass  
State advocating \$2.5 million for Tahoe facility  
Bi-State (CA & NV) operations



# ***Biomass Inventory & Planning For a Region***

## ***What Programs are working?***

Biomass boxes & material removal

Most areas within County

Urban & Rural

Expanding to include orchards/vineyards

USFS NF forest thinning pile removal



Grant research

Understanding availability of waste

Determining technology for use

Building Business plans for communities

Facility Development

CH & P site in Lake Tahoe

Biomass to Fuel site in Tahoe NF





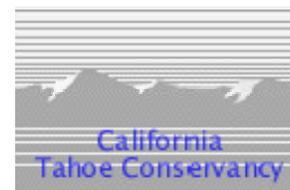
# *Biomass Inventory & Planning For a Region*

## *Who is working with Placer County?*

### Local



### State



### Federal





## ***Biomass Inventory & Planning For a Region***

### ***Where does Placer County go from here?***

Woody Biomass to Combined Heat & Power

USFS Grant to study Feasibility

Congressionally directed Department of Energy grant

Facility to be sited in Lake Tahoe

EPA working as part of team

Woody Biomass to Alcohol Based fuels

Multiple investors approaching

Small Log Potential

Working with regional business partners

Densified Wood

Working with regional USFS and business partners



# ***Biomass Inventory & Planning For a Region***

## ***Net results of Placer County Biomass Programs***



- ✓ Fire Danger lowered
- ✓ Insurance rates lowered
- ✓ Improved health
- ✓ Less reliance on fossil fuels
- ✓ Improved watershed and water quality
- ✓ Healthier forests
- ✓ Reduces Greenhouse Gases
- ✓ Lower fire fighting costs





# ***Biomass Inventory & Planning For a Region***

**Questions/Comments**

