



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

### **Placer County Biomass Projects**

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### ***Placer County Biomass Projects***

#### ***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
- ✓ **Direct relationship to carbon solution**



## **Placer County Biomass Projects**

### **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



## **Placer County Biomass Projects**

### **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 for Tahoe facility
- Bi-State (CA & NV) operations



## Placer County Biomass Projects

### 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



## Placer County Biomass Projects

### Who is working with Placer County?

#### Local



#### State



#### Federal





## ***Placer County Biomass Projects***

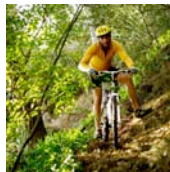
### ***Where does Placer County go from here?***

- 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 / Densified Wood
- Carbon Market
  - Placer County & PC Air Pollution Control District



## ***Placer County Biomass Projects***

### ***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





## ***Placer County Biomass Projects***

**Questions/Comments**

