### EL DORADO COUNTY BOARD OF SUPERVISORS AGENDA TRANSMITTAL Meeting of November 14, 2006

AGENDA TITLE: Presentation by Placer County Project Manager, Brett Storey, on Biomass and Fuels Reduction for Fire Prevention		
DEPARTMENT: Board of Supervisors	DATE: 11.06.06	CAO USE ONLY
CONTACT: Supervisor Norma Santiago	PHONE: 621-6577	
DEPARTMENT SUMMARY AND REQUESTED BOARD ACTION:		
Placer County has begun to develop a program to reduce the threat of catastrophic wildfires and promote the utilization of woody biomass. An outline of how they have started, why it is important and where they see this leading to assist in protecting the communities in Placer County along with a listing of current projects underway with projected demonstrations and time lines will be presented.  No Action Required.		
CAO RECOMMENDATION:		
Financial impact? ( ) Yes ( ) No	Funding Source: (	) Gen Fund ()Other
BUDGET SUMMARY: Total Est. Cost \$ Funding Budgeted \$ New Funding \$ Savings* \$ Other \$ Total Funding Available \$ Change in Net County Cost \$ * Explain	CAO Office Use Only: 4\5's Vote Reqd. Change in Policy New Personnel CONCURRENCES: Risk Management County Counsel Other	( ) Yes( ) No ( ) Yes
BOARD ACTIONS:		
Vote: Unanimous Or Ayes:	I hereby certify that this is a true and correct copy of an action taken and entered into the minutes of the Board of Supervisors.	
Noes:	Date:	
Abstentions:	Attest: CINDY KECK, Board of Supervisors Clerk	
Absent: Rev. 7/96 j:\agenda\win96	By:	



### Wildfire Protection/Biomass Program for Placer County

## Presented to El Dorado County Board of Supervisors



Brett Storey, Placer County Biomass Program Manager (530) 886-4651 bstorey@placer.ca.gov



### Wildfire Protection/Biomass Program for Placer County

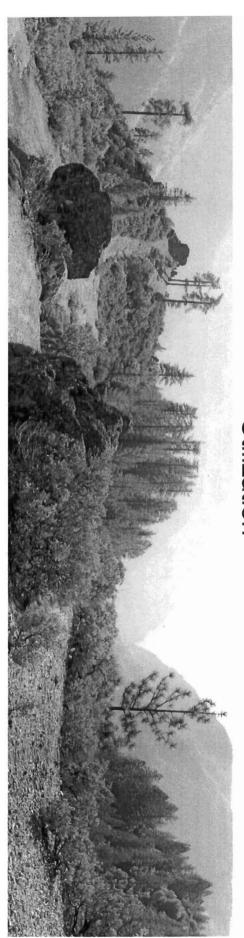
### Vision

Maintain a Healthy Forest to Cultivate Healthy Communities

## Mission Statements

Placer County will be proactive in reducing the threat of catastrophic wildfires

Placer County will provide collaborative leadership in the field of Biomass Utilization





### Placer County Wildfire Protection/Biomass Concerns

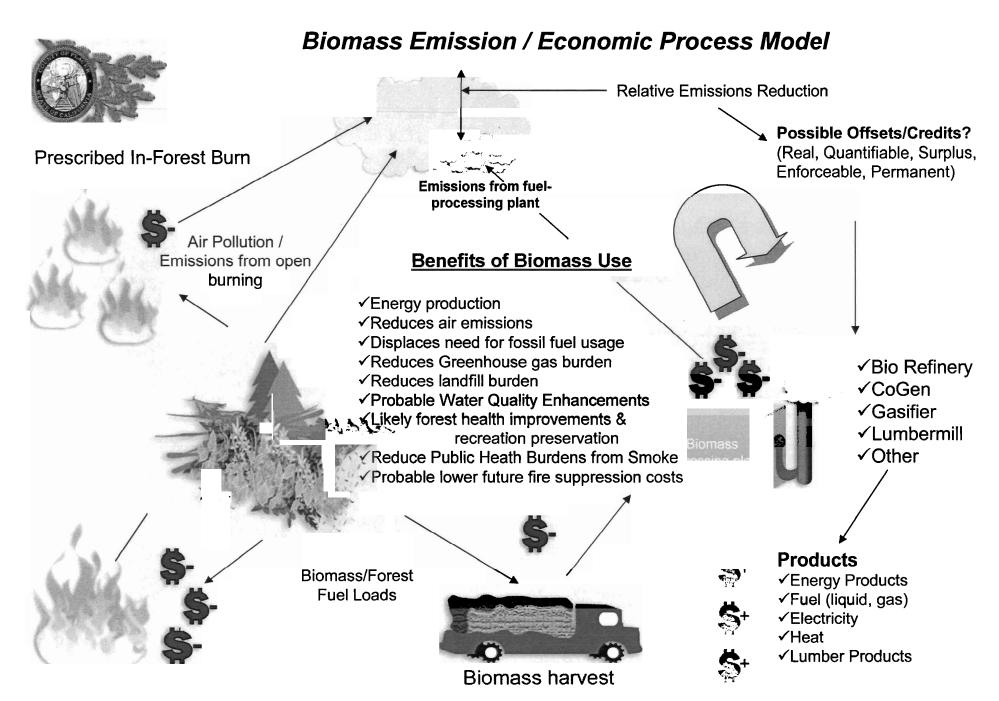
### Current Tools not adequate to address scope of the problem

- More tons (BDT) on the ground that can currently be treated annually by traditional methods (2% – 10% treated)
- Growth of forest (4% added each year)
- Even with more treatment, what can we do with the biomass?
- Need to Increase Biomass utilization
  - Desire to Add potential new tools
    - Change in Land Management Treatments (support USFS)
       Bio-energy (heat, electricity, fuel)
    - Bio-based products
  - Challenges
    - Air Quality regulations
       Economics



## Air Quality Comparison (Relative Emissions)

emissions import from fuel processing plant; fugitive dust after burns; emissions from forest decay. Note: Other emissions not included are: Transport and firefighting related; localized



Catastrophic Wildfire



## Placer County Promotes Biomass Utilization

Comprehensive Vision – Board of Supervisors Discretionary County & federal funding on-going

Local/State/Federal Government collaboration

Rapid growth/high property values

Large Forested areas (549,00 acres) Major fires since 2001 (Gap, Ponderosa, Star, Ralston – 30,000 acres

Poor Air Quality (Ozone Non-Attainment Area)

Developing Strategic Plan for research, program definition, partnerships, technology demonstrations, funding solutions

Plans aligned with President's and Governor's Energy Policy



## Woody Biomass Presentations for Placer County

- Tahoe Forum
- Federal Woody Biomass Working Group
- **US Assistant Secretary of Interior Lynn Scarlet**
- California Energy Commissioner Jim Boyd
- California Secretary of Resources Mike Chrisman
- Yolo County
- Federal Wildland Fire Leadership Council
- > Tahoe Regional Planning Agency
- > California EPA/Senator Feinstein Rep
- □ El Dorado County BOS (Nov)
- California State Senator Dave Cox (Dec)
- Regional Council of Rural Counties (07)



### Biomass Getting Started

### Funding

- Secure Rural Schools & Community Self-Determination Act of 2000
  - Title III
  - Placer County began in 2005, then increased in 2006

Federal, State, Local

- Grants available
- Agency collaboration key to long term
- Elected officials

### Commitment

**Biomass Policy Team** 

**Program Manager** 

Staff

County on-going funding required

Interagency invaluable



## Placer County Biomass Organization/Plans

### Team Organization

- Working group Engaged
- Biomass, Forestry, Fire Professionals, Legislative, Air Pollution Control, Project Management
- Coalition being built
- Universities, Environmental groups, Conservancies
- Federal, State and County government & Agencies
- Business interests (government, schools, recycling & alternative power/fuel)

# Biomass Utilization Strategic Plan Development

- Draft Plan in 2006 (3 phase effort)
- I) Forest Protection & Biomass collection development
- II) Bio-energy Project Development (Proof of Concepts)
- III) Biomass Commerce Integration



## Wildfire Protection/Biomass Projects **Current Placer County**

- ✓ Wildfire Protection/Biomass Strategic Plan (Dec 2006)
- ✓ Fire Mitigation Coordinator (On-Board)
- ✓ Annual Defensible Space Inspections Program (Ongoing)
- ✓ Shaded Fuel Break Maintenance (Ongoing)
- ✓ Biomass Community Box Program (Spring 2007)
- ✓ CROP Analysis (On Contract)
- ✓ RAWS Project (Demo Fall 2007 purchase summer 2007)



### Biomass Removal Program 2006 Tahoe Basin

Newada Fire Safe Council

Granlibakken & Chinquapin





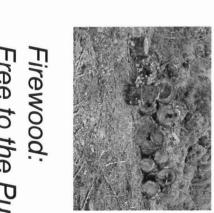












Free to the Public



### 2006 Tahoe Basin Biomass Removal Program Granlibakken & Chinquapin

Private & Federal Funding







Cost of transporting biomass \$3,000





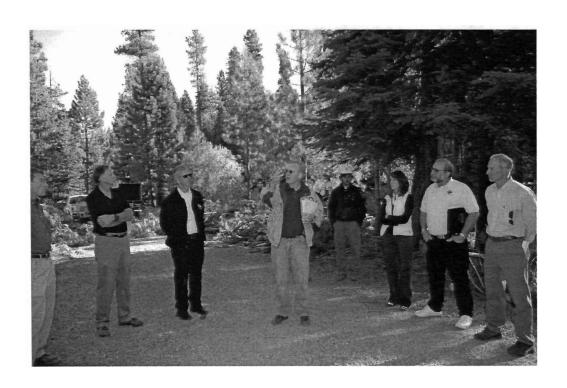


### 2006 Tahoe Basin Biomass Removal Program Granlibakken & Chinquapin

Private & Federal Funding





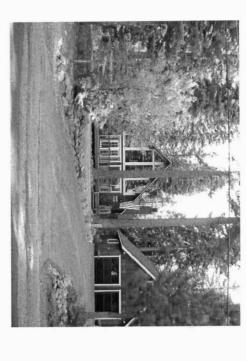


Price of working together: \$0





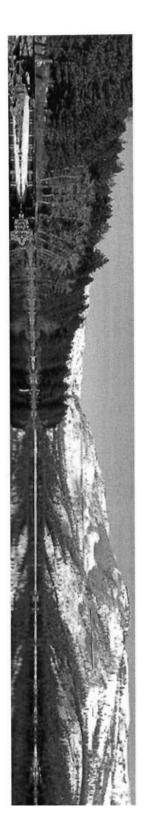
## 2006 Tahoe Basin Biomass Removal Program



Protecting Communities & Creating Clean Energy:



Priceless





### Projected Placer County Wildfire Protection/Biomass Projects

### Wildfire Protection

- Full time Fire Mitigation Coordinator
- Mechanical mastication funding
- More Shaded fuel breaks/Increased Forest Thinning
- Increased biomass removal programs/equipment

### Biomass Utilization

- Air quality regulation/measures development
- Heating/electrical County facility in Tahoe
- Bio fuel fermentation (UC Davis) research at Cabin Creek
- Biomass to alcohol program at Valley MRF site
- Viable High School heating facility

### Tahoe Stewardship Program