

University of California
Agriculture and Natural Resources
Woody Biomass Utilization



Woody Biomass to Energy Workshop

Ukiah, December 2 2010

Presented by:

University of California Berkeley, Center for Forestry

University of California Cooperative Extension Mendocino County

California Association of Resource Conservation & Development Councils

Mendocino County Woody Biomass Working Group

North Coast Resource Conservation and Development Council

The North Coast Integrated Regional Water Management Plan

USDA Forest Service, Region 5



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*Making a Difference
for California*

<http://ucanr.org/WoodyBiomass>

Workshop Aim

This workshop will help bring the audience to a common level of understanding of selected woody biomass to energy conversion technologies.

<http://ucanr.org/WoodyBiomass>



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Agenda: 11:00am-3:30pm

- 11.00am** Welcome and introductions (Greg Giusti, UC Cooperative Extension)
- 11.15am** Local framing (Judy Harwood, Mendocino County Woody Biomass Working Group)
- 11.25am** Biomass utilization basics (Gareth Mayhead, UC Berkeley)
- 11.55am** Energy conversion pathways (John Shelly, UC Berkeley)
- 12.10pm** *Lunch (provided)*
- 1.00pm** Densified fuels (pellets, bricks, fire-logs) (Gareth Mayhead)
- 1.30pm** Electricity, combined heat and power (CHP) and gasification (John Shelly)
- 2.10pm** *Comfort break*
- 2.20pm** Pyrolysis (Gareth Mayhead)
- 2.50pm** Liquid fuels (John Shelly)
- 3.20pm** Facilitated discussion
- 3.30pm** Close

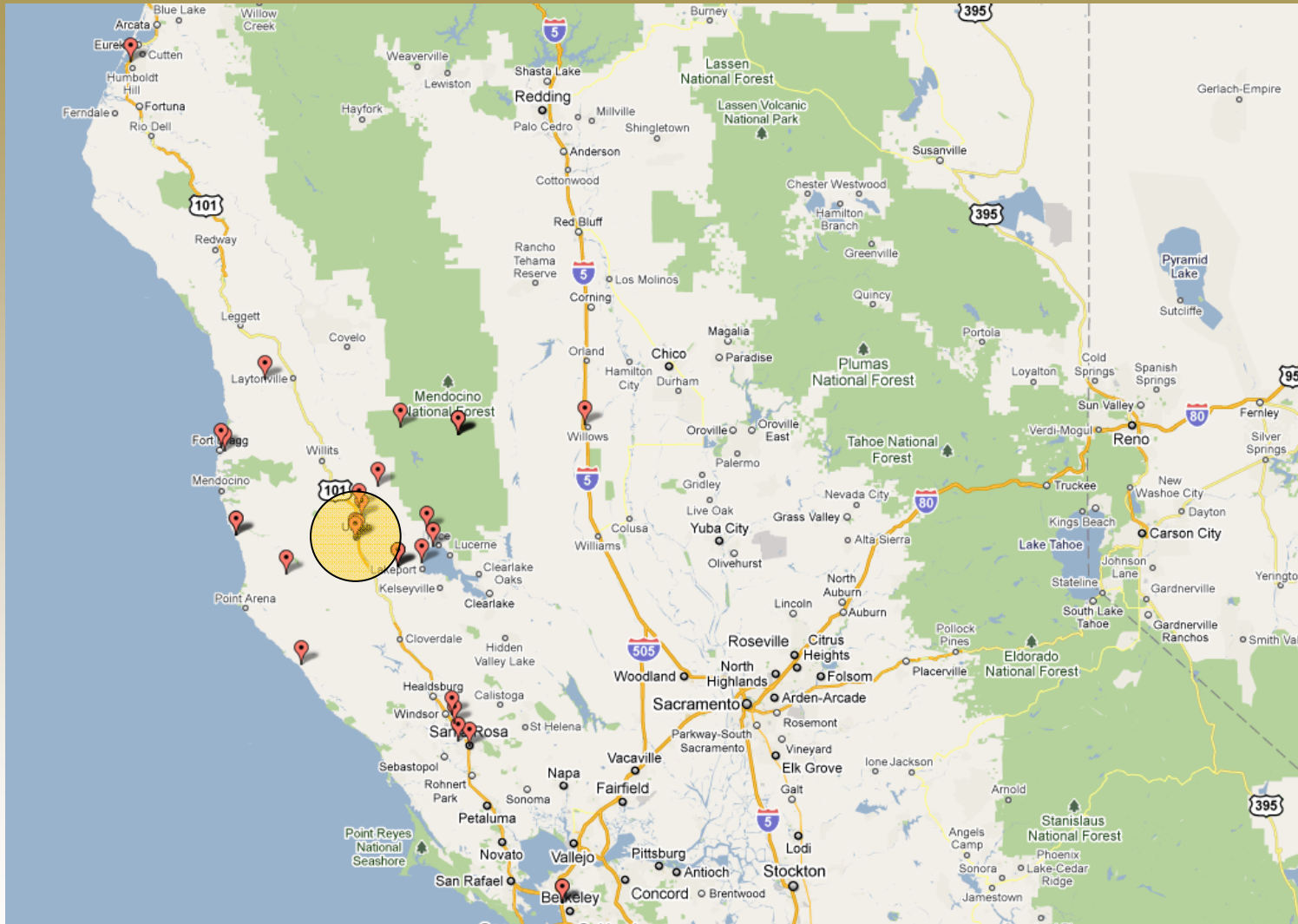
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Where have you come from?



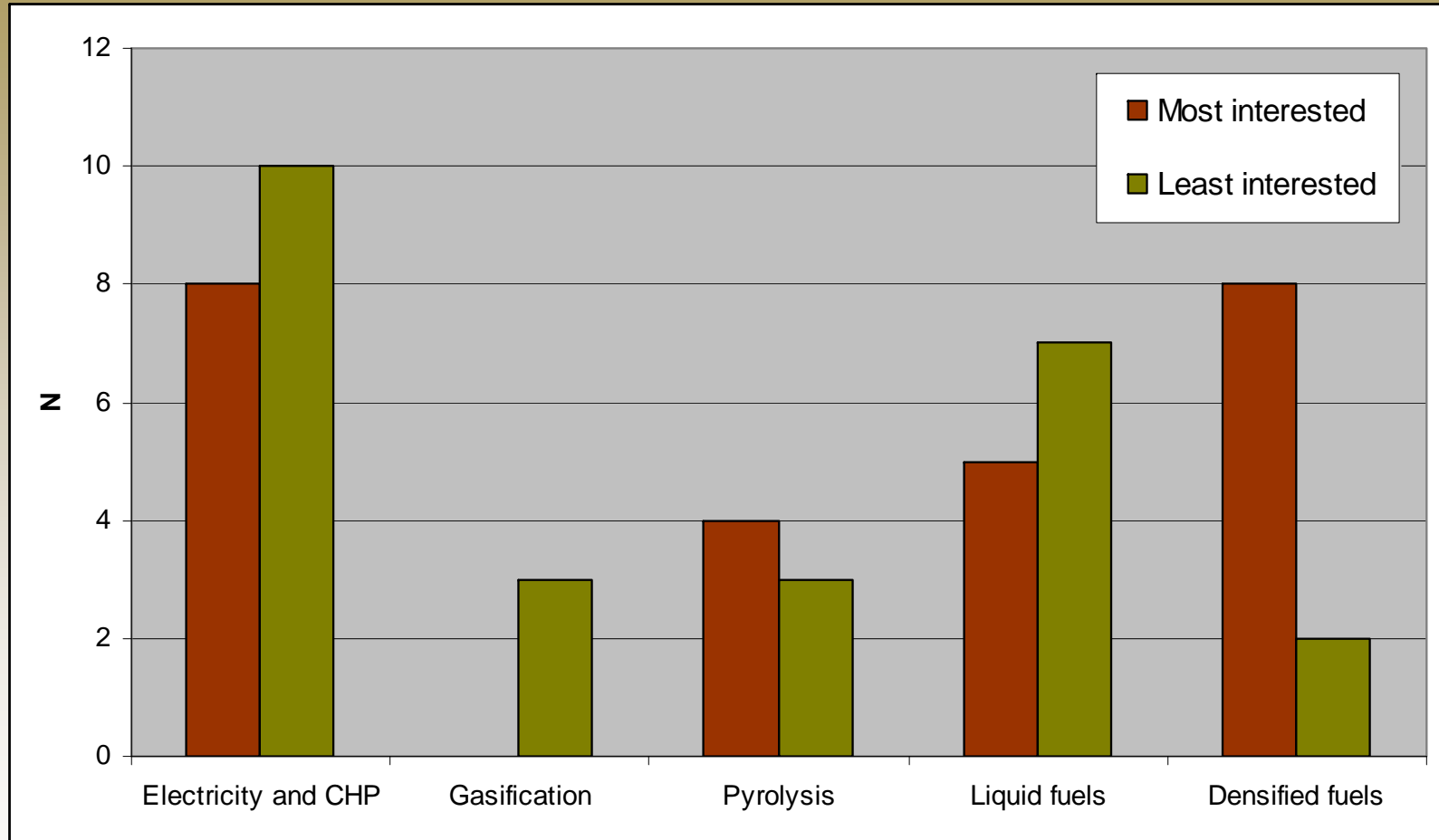
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Level of interest in technologies



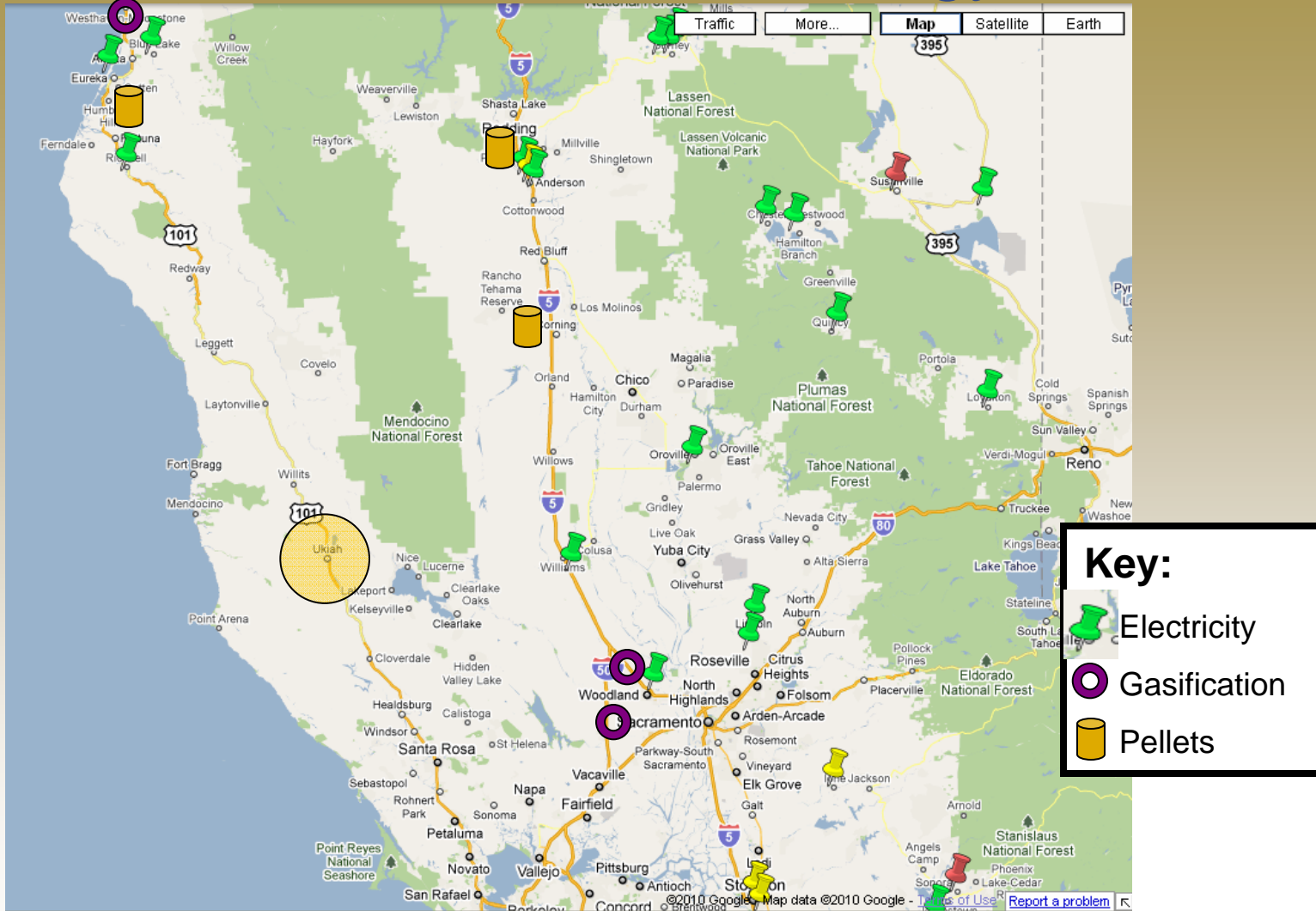
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Ukiah Area Biomass to Energy Facilities



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