California Bioresources Economy Summit

Session 1:
Bioresources Information

Moderator: Corinne Scown (LBNL/UCB)
Speakers: Kevin Fingerman (Humboldt State University), Rachelle Hedges (UCB), Kyle Pogue (CalRecycle), Angela Lottes (CAL FIRE)
Panel Introduction

Kevin Fingerman  Rachelle Hedges  Kyle Pogue  Angela Lottes

Humboldt State  UC Berkeley  CalRecycle  CAL FIRE

• Experts in: bioenergy life-cycle assessment, forest management, technoeconomic analysis, municipal waste management, forest health
Session Structure

- 5 min introduction
- 10 min talks for each speaker
- 15 min panelist discussion
- 10 min audience Q&A
- 5 min wrap-up and actionable recommendations
Session Goals

• Provide overview of organic residue resources across California

• Establish policy context for prioritizing collection/diversion/utilization of a range of organic materials

• Report on available datasets and knowledge gaps

• Recommend next steps
High-Moisture Solids (thousand BDT/yr)

- High-moisture solids are fairly consistent month-to-month and dominated by manure.
- Next largest contributor is MSW.
- Row crop culls, high-moisture crop residue, and food processor waste are more seasonal.
- MSW concentrated in populous South Central Coast region.
- Manure concentrated in Northern Valley region.
Low-Moisture Solids (thousand BDT/yr)

- Forestry residue is likely to dominate low-moisture organic residue availability
- Orchard & vineyard residue and food processor low-moisture waste next largest contributors
- Processor low-moisture solids made up largely of almond waste
- Seasonality less problematic for low-moisture waste but does require storage
Assembling & Disseminating Actionable Information

- Excellent datasets already generated by multiple groups but not necessarily housed in easy-to-access or visualize, centralized locations

- Questions:
  - What information would be most helpful to stakeholders seeking organic material for new or existing projects?
  - What information would help stakeholders looking for markets for their organic material?

- Feedback so far:
  - Contact info for local haulers, who often operate as match-makers
  - Contact info for waste sources and waste-to-energy facilities
  - More information about region-specific incentives (e.g. Opportunity Zones)
  - More granularity on gross vs. technical potential and ability to alter specific assumptions
  - Link with best-available cost information