

Siting Organics Diversion Facilities

CIWMB's Approach

June 19, 2008

Los Angeles County Solid Waste Management Committee/
Integrated Waste Management Task Force



CIWMB Strategic Directive 6.1

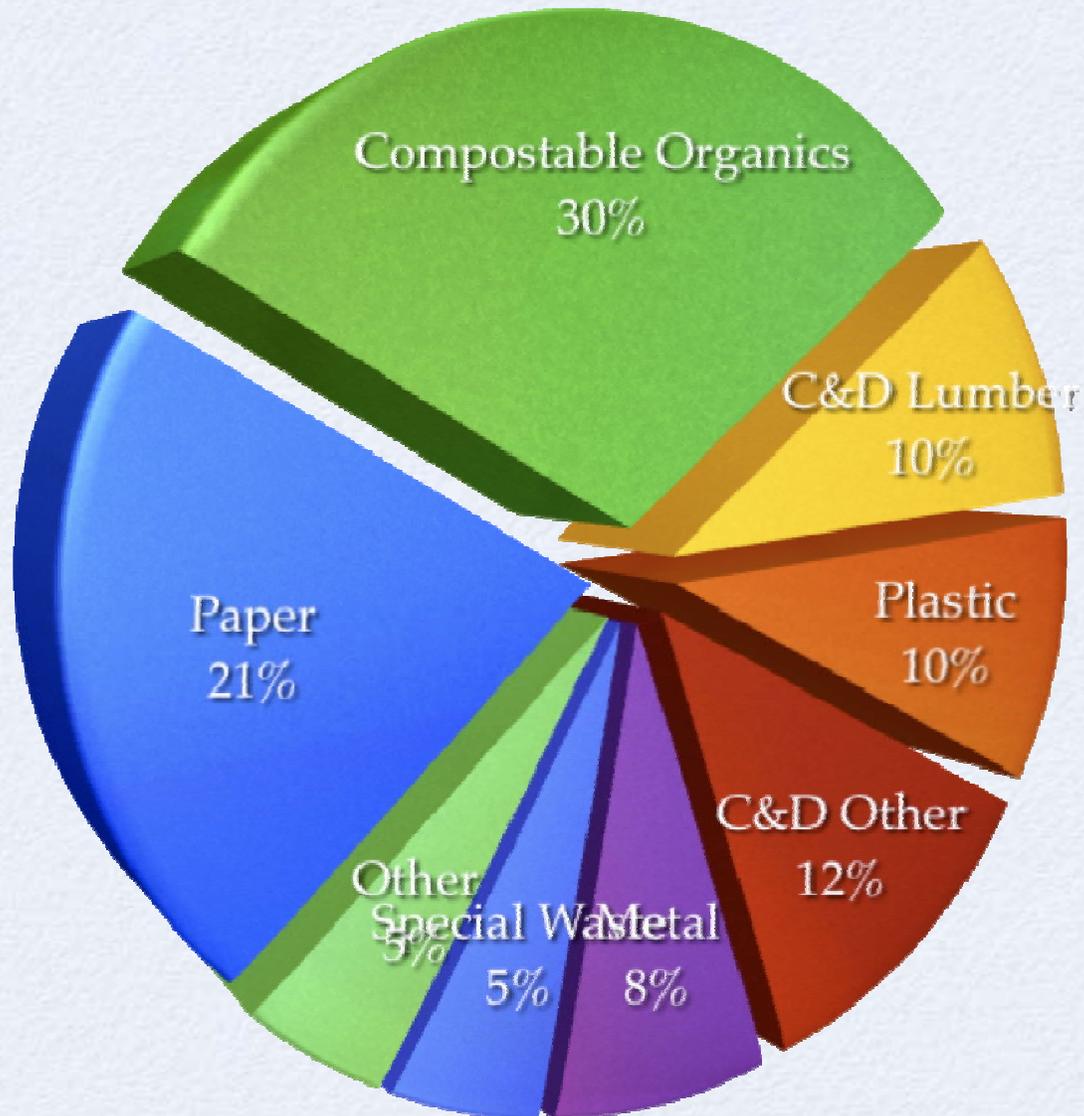
- In February 2007, Waste Board called for 50% reduction in organics disposed in landfills by 2020
- Necessitating 50-100 new or expanding facilities that produce compost, biofuels or bioenergy*

• *CIWMB estimate



Organics

2004 Statewide Waste Characterization Study



- 71% Of carbon-based organics: compostable organics, paper, lumber and plastic
- Compostable organics: food (15%), leaves, grass, prunings, trimmings, branches, stumps and manures

50% Diversion

- CA 2006 Baseline
 - 29.7 million tons of organics out of 41.9 million tons of disposal in CA
 - 35% or 15 million tons of organics need to be diverted
- LA County 2006 Baseline
 - 4.4 out of 12.7 million tons need to be diverted
 - ADC constitute 0.6 million tons; BU & offsite composting 0.07 million tons



Infrastructure

- California

- 96 New facilities to process 500 tpd each
- If 30% is diverted to CT, 67 new facilities to process 500 tpd each

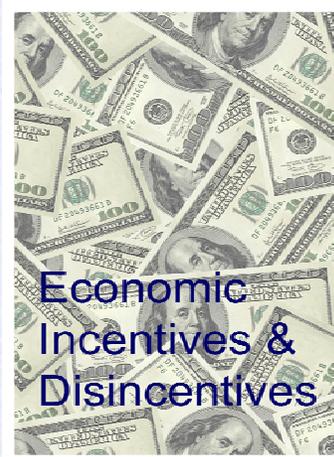


- Los Angeles County

- 16 Existing facilities that process 1,500 tpd of green materials in total
- 25 New facilities to process 500 tpd



Policy Roadmap



Siting & Capacity Development

Since January 2008, the Board surveyed 250 stakeholders and conducted 50 interviews and 2 workshops.

Key questions are:

- What is the desired outcome?

- What could the Board and its staff do?

- How would the Board interact with other agencies?

- What is the Board doing already and what would be a new initiative?

Outcomes

- Participants: local planning directors, LEAs, recycling coordinators, solid waste authorities, air districts, RWQCB, facility operators, industry representatives and environmental organizations
- Participants' input resulted in 8 outcomes



Outcome 1

Coordination of governmental agencies

- Form an executive group with CalEPA, ARB, CAPCOA, SWRCB and RWQCB
- Identify goals and methodologies and establish subgroups to work on specific tasks.



Outcome 2

Coordination of facility regulatory process

- Streamlined permitting process that flows easier between regulatory entities
- Regulatory review includes: ADC, food waste composting, BU issues, farm and ranch organic diversion, and green material contamination



Outcome 3

Board as a facilitator and repository for research and studies

- Initiate research categorization and posting of studies and results
- Emission levels for different types of feedstocks, cost effective BMPs, location and distance of facility from point of generation, thorough study of CTs, health studies relating to odors, life cycle analysis contract, and BMP projects underway
- Life cycle analysis contract and BMP projects underway



Outcome 4

Informational resources and tools

- Publicize and make accessible research and studies
- Integrated computer information system
- Model software to provide full cost accounting and net environmental benefits
- Roster of staff that are technical experts



Outcome 5

Adequate planning capacity

- Investigate requiring local plans to account for organics diversion capacity



- Hold meetings with jurisdictions to develop an implementation plan
- Provide to jurisdictions information on areas where facilities can be expanded or sited
- Allow agricultural land for zoning of organic based processes

Outcome 6

Education outreach

- Educate public on environmental and health risks and benefits of organics diversion
- Range of beneficial uses: improve soil/crops, water conservation, energy production and GHG reduction
- Examples of well run facilities and local oversight for safe operation



Outcome 7

Enforcement strategy



- Compliance with state minimum standards, federal laws, and permit terms and conditions
- Operation acceptable to the community
- Include BMPs and BACTs in discussions with stakeholders

Outcome 8

Economic incentives



- Identify funding sources and develop potential proposal, such as ADC fee
- Provide low interest loans or debt financing for existing facilities to upgrade to meet new rules or for demonstrations of new technology or pilot projects for CT





Questions?