

~Draft Final Report~

By: Linda Lee July 16, 2009 The LCA compares current practice of landfilling organics including ADC to 6 diversion

alternatives:

Composting

Chipping/Grinding

- Anaerobic Digestion
- Biomass-to-Energy
- Waste-to-Energy
- Recycling



- Objective of the LCA
 - Produce a study report analyzing the cost and LCA/GHG emissions
 - Create a GHG Tool

- The study came up with 4 scenarios, each of a set of diversion alternatives that achieves certain objective from 2006 to 2025.
- Scenario 1, Minimum cost, achieve max 75% diversion rate by 2020
- Scenario 2, Minimum GHG emissions
- Scenario 3, Minimum cost and achieve State GHG emission reduction targets, ex. AB 32 (Landfill Methane Capture) and Low Carbon Fuel Standard
- Scenario 4, Minimum energy consumption

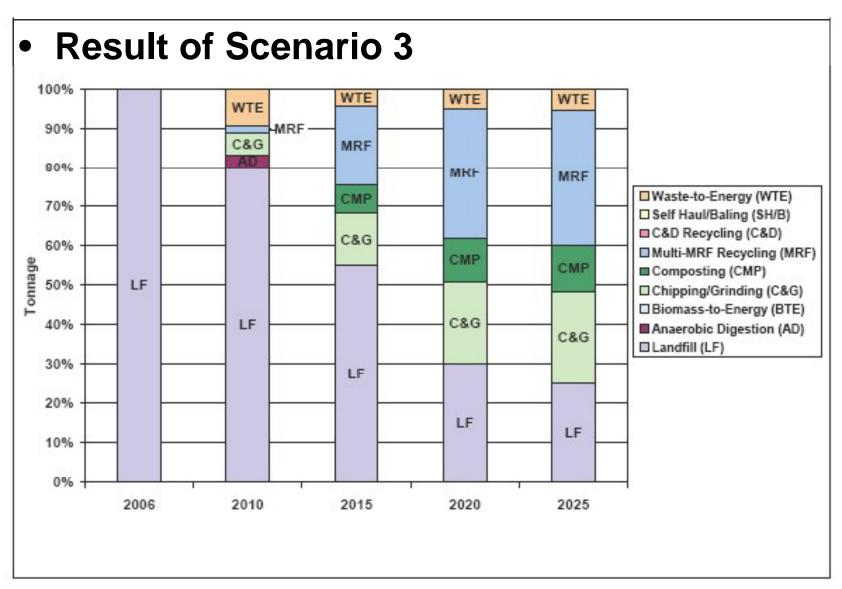


Figure 5.20. Waste Tonnage to Different Waste Management Processes, Minimum Cost While Achieving GHG Emission Reduction Targets Scenario, State.

Number of new facilities required in the State

Table 6.1 Number of Facilities required under Scenarios

Line		Landfill	Anaerobic Digestion	Biomass-to- Energy		Composting	Multi MRF Recycling	C&D Recycling	Self Haul/ Baling	Waste-to- Energy	Total
1	Landfill Baseline	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
2	Minimum Cost	n/a	0.0	0.0	211.4	150.7	83.7	0.0	0.0	5.5	451.4
3	Minimum Greenhouse Gas Emissions	n/a	73.9	0.0	0.0	0.0	46.9	36.9	80.8	32.4	270.9
4	Minimum Energy Consumption	n/a	0.0	0.0	0.0	0.0	19.1	0.0	30.8	56.5	106.4
5	Minimum Cost & State Greenhouse Gas Emission Targets	n/a	0.0	0.0	211.4	64.1	163.8	0.0	0.0	5.5	444.9

Task Force's concerns in previous letters

