



**Discussion of Priority Activities for
Next Eighteen Months**

Action Plans



Green Procurement Action Plan

April 2005

What we want to accomplish: Increase demand for recycled content and environmentally preferable products and materials by state and local government and to encourage the use of compost and mulch for agricultural purposes. This will be accomplished by creating a toolbox that includes model ordinances, specifications for targeted procurement and usage guidelines; model contract language; demonstration projects; case studies (best management practices); analysis of benefits and cost savings; outreach materials, lists of end use markets; residential construction guidelines and other tools to provide support for the local and state government as well as the agricultural community.

Partners/Stakeholders: CalTrans, DGS, local jurisdictions, including public works directors; as well as Board Members, Board staff and contract staff. Also work with Industry organizations such as CORC, ACP, USCC, Farm Bureau, Milk Producers Assoc., League of Cities, CSAC, RMA, RPA and hotels. In addition coordinate efforts with CalEPA BDO's.

Specific Deliverables, Targets and Dates:

Long-term:

- Decrease the amount of organics disposed by 190,000 tons to get an additional .25% of diversion by 2007. *This would require a 7% growth rate in the compost industry.*
- Decrease the amount of C&D's disposed by 644,000 tons to get an additional .8% of diversion by 2007.
- Decrease the amount of tires disposed by 10,000 tons to get an additional .01% of diversion by 2007 or a decrease of 3% in tires disposed.

Short-term (12-18 Months):

- **“Toolbox” that will assist staff and stakeholders to:**

Organics

- Double the amount of compost and mulch purchased by CalTrans in the next 18 months and double it every year after through 2009.
- Complete project with CalTrans to write specifications for compost and mulch by 2/06
- Initiate 2 demonstration projects with the agricultural community within 18 months.

Construction and Demolition Debris (C&D)

- Increase the number of local government C&D policies, mandatory C&D programs and ordinances by 60%.
- Work with the Green Residential Environment Action Team (GREAT) to develop model guidelines for residential construction which would include the requirement to divert at least 50% of C&D waste within the next 18 months.
- Increase the amount of recycled aggregate purchased by CalTrans for road base by 10% within 18 months.
- Green 75 government buildings/schools within 18 months.

Rubberized Asphalt Concrete (RAC)

- Increase CalTrans purchase of RAC by 5% in 18 months.
- Increase local governments purchase of RAC by 15% in 18 months.

General EPP Purchases

- Green 5 DGS specifications within 18 months through the strategic sourcing initiative.
- Expand the Green lodging participating hotels to 300 by 12/05.

Critical Milestones:

- Approve contractor for marketing plan and toolkit development by 6/05
- Complete green procurement toolkit by 11/05.
- Complete MOU, including usage/procurement goals for compost/mulch, aggregate and RAC/civil engineering, with CalTrans by 12/05.
- Complete the project with CalTrans to write specifications for compost and mulch by 2/06.
- Complete the next organics infrastructure study for the report within 18 months to measure progress and identify trends and every two years thereafter.
- Complete RAC Centers' database on RAC projects.
- Initiate two demonstration projects with the agricultural community within 18 months.
- Work with the Green Residential Environmental Action Team (GREAT) to develop model guidelines for residential construction which would include the requirement to divert at least 50% of C&D waste within the next 18 months.
- Receipt of information from Board of Equalization and Employee Development Department data used to prevent jurisdictions diversion rates from being penalized for changes in population and economics in relation to annual reports

Market Assessment Action Plan

April 2005

What we want to accomplish: Conduct market assessments throughout California to determine why potentially recyclable materials are not reaching established markets, in order to identify barriers and opportunities for new or expanded markets.

Partners/Stakeholders: Public & Private Collectors/Recyclers, Brokers, Industry Associations, Recycled Product Manufacturers/End Users, Board members, Staff

Specific Tasks, Targets and Dates:

- Complete in-house inventory, compilation, and analysis of existing information on disposal, diversion, and flow of significant material types by July 2005.
- Conduct stakeholder workshops to fill data gaps (identified above); have contracts in place to fill remaining data gaps by August 2005.
- Develop appropriate flows for materials by region and assess potential for additional diversion/local and regional sustainable market development opportunities by February 2006.
- Complete study on influence of out of country markets on diversion and how more materials can be utilized by manufacturers in-state by February 2006
- Conduct workshop with all the stakeholders statewide to discuss best strategies for increased diversion/market development by March 2006.
- Signoff by major stakeholders on best strategies to implement by June 2006.
- Propose clear strategies to Board on covered commodities (waste types) to increase diversion and develop sustainable domestic markets by July 2006.

Critical Milestones:

- Development of study design and methodology
- Identification of material types
- Establishing cooperation working agreements with industry

Diversion Goal Measurement Action Plan

April 2005

What We Want to Accomplish: To design a simpler measurement system that provides more timely and more accurate indicators of disposal reduction. Major characteristics of the simpler measurement system would include: timeliness, flexibility, a simplified diversion calculation, cost effectiveness, using numbers as an indicator, reflective of jurisdiction differences, and accountability.

Partners/Stakeholders: The primary stakeholders would include local jurisdictions, counties, waste haulers, facility operators, consultants, elected officials and policy makers.

Specific Deliverables, Targets and Dates:

- By June 2005 complete draft staff proposal for alternative measurement system and present to the Board (will include preliminary stakeholder input and staff analysis)

- By September 2005, final Board approved staff proposal incorporating input from Board and stakeholders for use in legislative concept process.

Critical Milestones:

- Stakeholder input
- Approval of draft concept by Board

Technologies Assessment Action Plan

April 2005

What We Want to Accomplish (Outcome desired): Investigate technical, economic, environmental, and other aspects of anaerobic digestion, bioreactor landfills, and other relevant emerging waste management technologies.

Partners/Stakeholders:

State government: Legislature, Administration's Biomass Interagency Working Group, Cal/EPA BDOs, Energy Commission; Industry: groups such as Bioenergy Producers Association, CRRRC, SWANA, landfill owners/operators, utilities; Environmental groups: CAW and Sierra Club, along with local EJ and community groups; Local jurisdictions and associations: California League of Cities, CSAC, LEAs; Academia: researchers at University of California and California State University campuses.

Specific Deliverables, Targets, and Dates:

Long-term:

- By 9/06, obtain verified and publicly accessible data on emissions, pollution controls, environmental impacts, from emerging technologies that use solid waste, in a form comparable to State and U.S. regulatory standards.
- By 2/07 complete case studies of operational, environmental, economic, and market aspects of emerging technologies related facilities (including successes, failures, and impacts on recycling markets) in Europe, U.S.

Short-term:

- By July 2005, adopt regulations on Subtitle D Research Demonstration and Development Permits, which would allow the permitting of bioreactor landfill projects.
- Once regulations become effective, staff will evaluate proposed permit applications submitted by the LEA; if permits for bioreactor landfill projects are issued, staff will monitor and evaluate performance in accordance with specific project protocols and required periodic reports
- By 7/06 complete regional (within California) breakdown of availability and types of MRF residuals (quantities; how much could they contribute to >50%, etc.)
- By 7/06 complete technical research on anaerobic digestion technologies for wet wastes such as food sludge and manure.

Critical Milestones:

- Obtain emissions and other environmental and operational data from representative full-scale commercial facilities that take solid waste and utilize emerging technologies.
- Adoption in mid 2005 of Subtitle D “RD&D” regulations; consideration of concurrence in issuance of permits for bioreactor landfill projects, and subsequent evaluation of performance reports.