

RESOURCE RECOVERY AT TAJIGUAS

Innovative Solution to Manage our
Region's Waste in an
Environmentally Responsible Way



PROJECT BACKGROUND

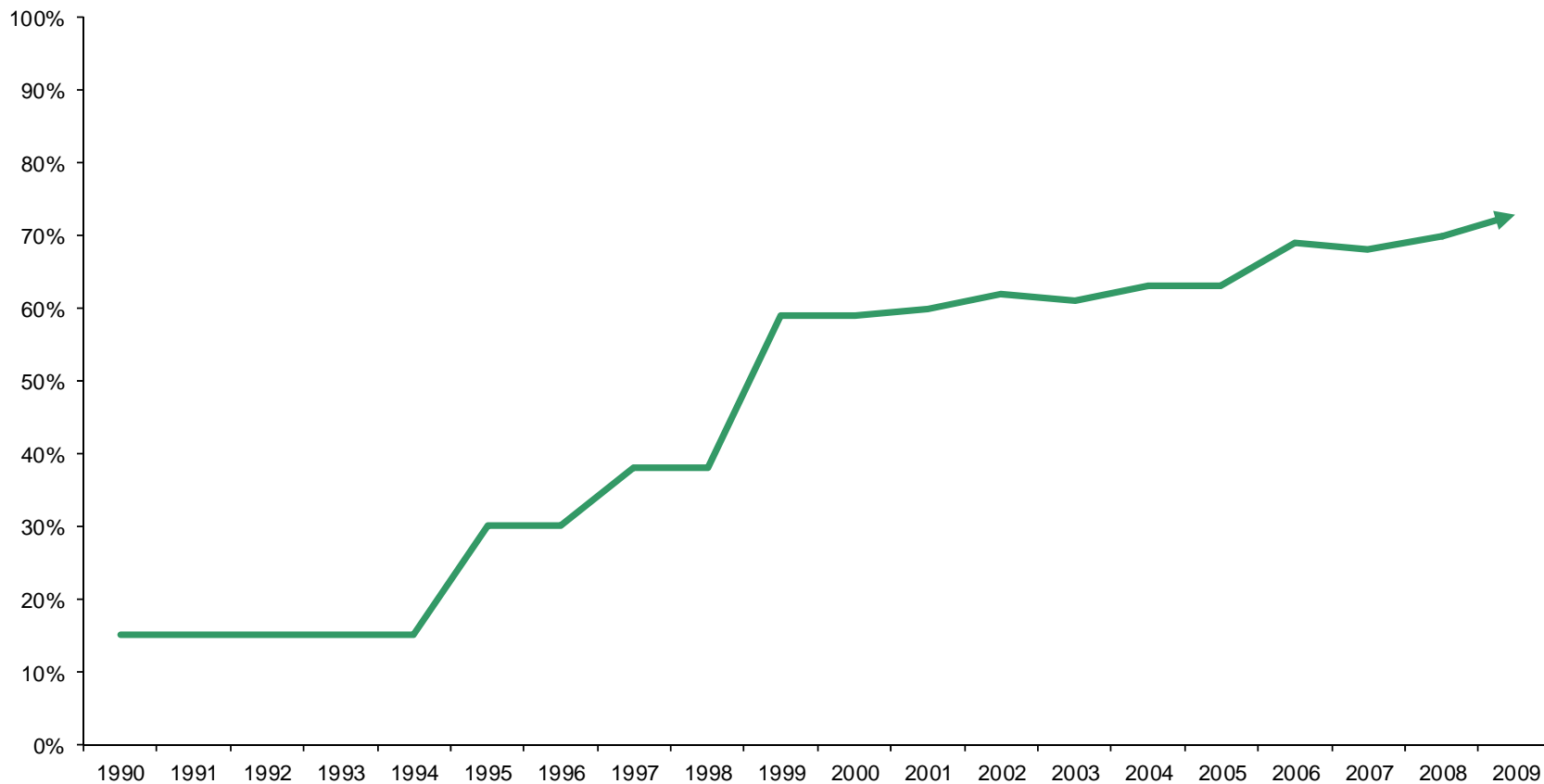
In 2002, County Board of Supervisors:

- Approved landfill expansion
- Directed staff to research alternatives to landfilling & increase reuse and recycling of materials

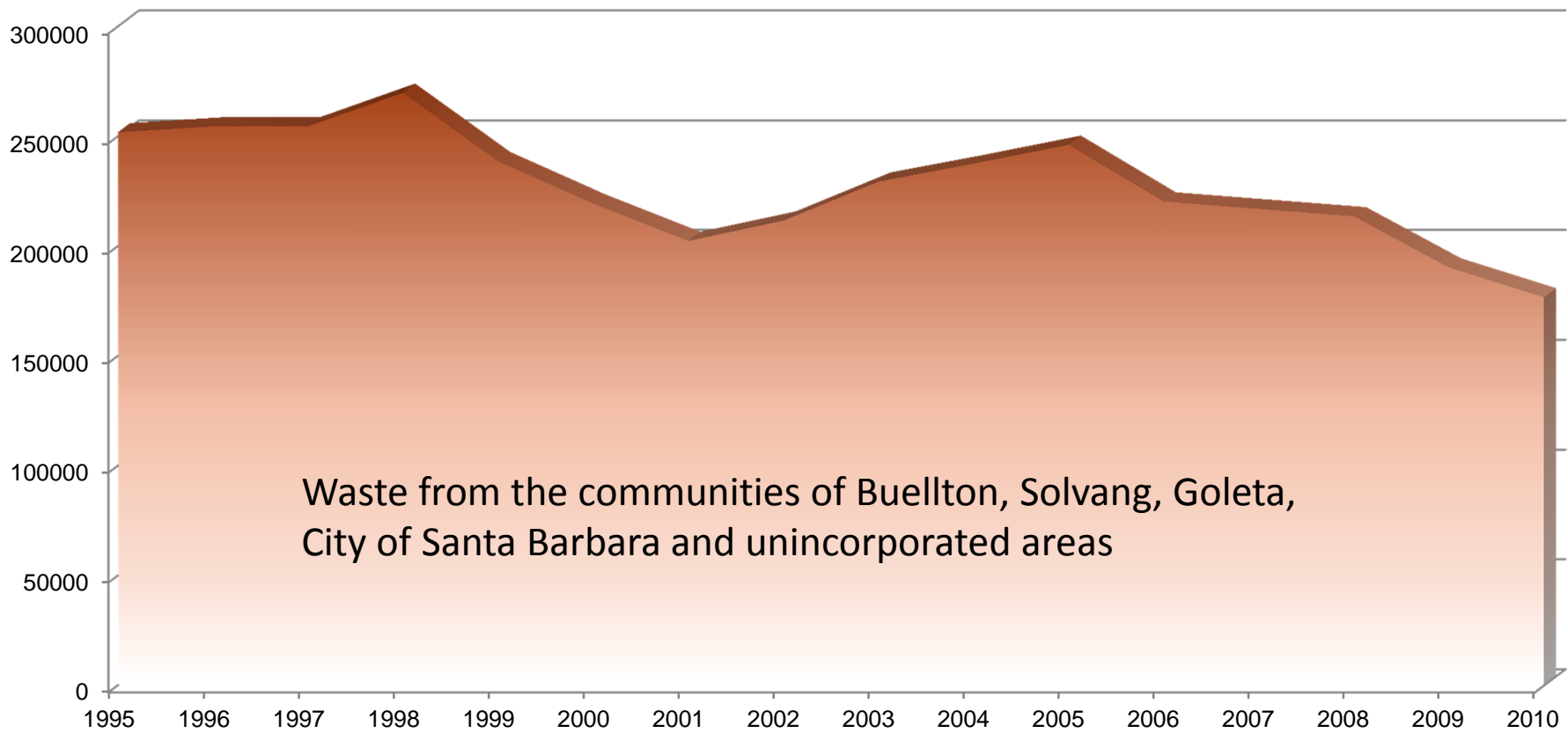


SUCCESSFUL REGIONAL DIVERSION PROGRAMS

South Coast region diverts more than 70% of its waste from the landfill



TAJIGUAS LANDFILL DISPOSAL



RECOMMENDED PROJECT

- Formed Working Subgroup of staff and elected officials from the participating jurisdictions (Cities of Buellton, Goleta, Santa Barbara, Solvang and County)
- Began procurement process in 2007
- Sent out Request for Proposals in 2009
- Conducted extensive public outreach campaign (dedicated Website, over 100 presentations)
- Reviewed proposals and made recommendation to Board and City Councils in January 2012

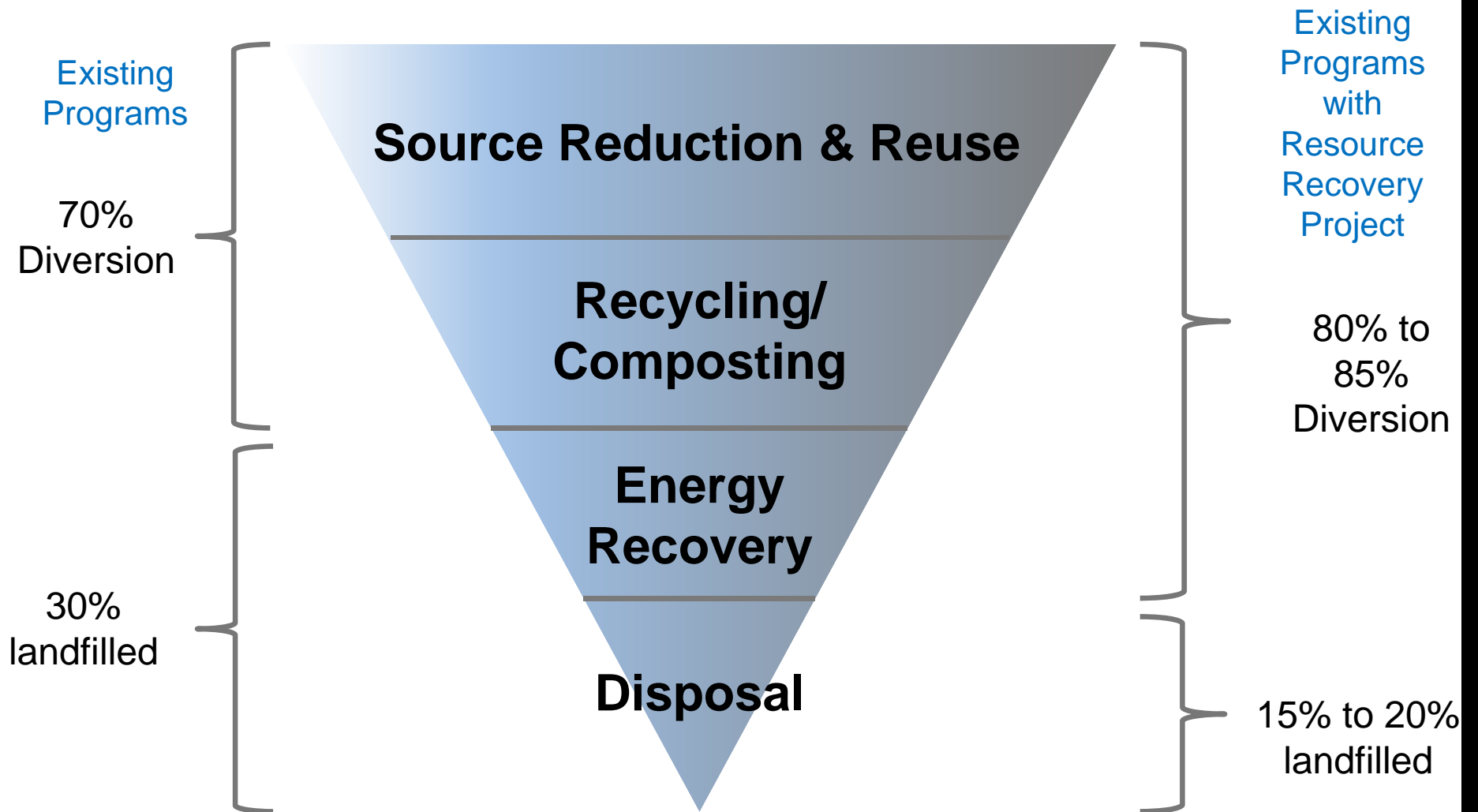
RECOMMENDED PROJECT

Resource Recovery Project - 20-year waste management plan

- State of the art material recovery facility (MRF)
 - sort all materials into 3 streams:
 - recyclables to be sold,
 - organics to AD,
 - residual to landfill
- Enclosed dry fermentation anaerobic digester (AD)
 - Extraction of biogas which is converted to energy
 - Composting of digestate into soil amendment
- Landfill residual at Tajiguas

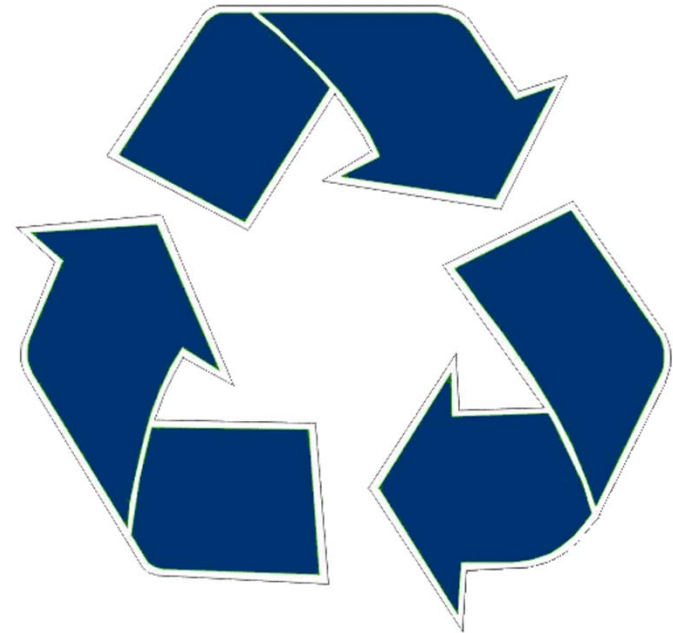


SANTA BARBARA WASTE MANAGEMENT



BENEFITS OF PROJECT

- Provides for cost-effective 20-year regional waste management
- Will achieve 80-85% diversion rate - surpassing region's and State's goal of 75%
- Has the potential to significantly reduce green house gas emissions
- Ability to generate 1 megawatt of renewable energy
- Economic development



COST-EFFECTIVE

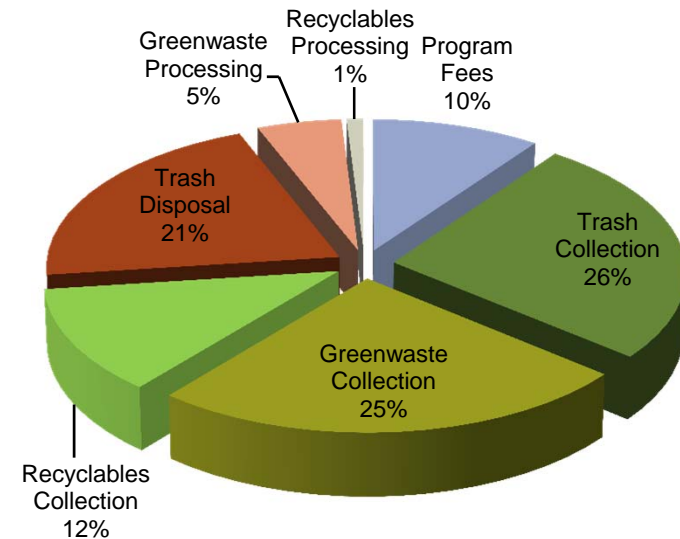
Current rates are comprised of:

- 1) Cost to collect
- 2) Cost to process/dispose
- 3) Fees

Disposal cost between 21-33% of rate

Proposed facility rates are comparable to projected future landfill costs

Breakdown of a Typical \$32.66 3-Can Trash Bill...



JANUARY 2012 BOS MEETING

Your Board:

- Endorsed the recommended resource recovery project proposed by Mustang Renewable Ventures
- Directed staff to initiate review of the project pursuant to CEQA - County Public Works to serve as Lead Agency
- Directed staff to develop a Term Sheet to be approved by the County and the other jurisdictions with Mustang
 - Staff will be bringing the Term Sheet (which includes primarily non-binding business terms of a future contract) to the Board for approval on December 4, 2012

CEQA UPDATE

Since January 2012, County staff has:

- Prepared and distributed Notice of Preparation (NOP) to over 250 individuals/organizations
- Held a Scoping Hearing for the NOP
- Reviewed comments on NOP
 - Include site for MRF in urban area
 - Include other technologies
 - Regulatory agency concerns
- Prepared a draft Project Description

CEQA UPDATE

- Conducted a procurement for an environmental consultant to prepare the environmental review
- Three companies responded and Padre & Associates was selected (not to exceed of \$193,178 includes 20% contingency)
- Number of technical studies will be required
- Key issue area is air quality which will require modeling and analysis – most costly of the technical reports – recommend AECOM to do this work (\$237,000 includes 20% contingency)

CEQA UPDATE

Series of meetings including City Managers, County CEO and subgroup of elected officials resulted in met to the following:

- Total cost of CEQA anticipated to be up to \$1.2 million
- Funded through surcharge on tipping fee at Tajiguas
- Estimated to be approximately \$2.45 per ton for FY 13/14, FY 14/15, and FY 15/16 (or \$.20 per month)
- Actual costs and revenue received will be reconciled in third year (FY 15/16) and surcharge adjusted accordingly

CEQA ANALYSIS

- **Will prepare Subsequent EIR to include MRF and AD at the Tajiguas Landfill**
- **Range of alternatives to be reviewed include:**
 - No project (use Tajiguas until capacity is filled and export waste to another landfill after that)
 - Landfill expansion
 - Alternative MRF sites in the urban area:
 - MarBorg's proposed site on Quarantina street
 - any other site that emerges from the environmental review process
 - Aerobic composting as an alternative to anaerobic digestion
 - Other technologies such as gasification, etc.

UPCOMING APPROVALS AND UPDATES

- **County Board of Supervisors:**
 - November 13, 2012 will be asked to:
 - Approve contract with Padre & Associates to write EIR
 - Approve contract with AECOM to prepare air quality/green house gas emission analysis for EIR
 - December 4, 2012 will be asked to approve Term Sheet
 - May 2013 will be asked to approve rate schedule for FY13/14
- **City Council of Goleta:** November 20, 2012 will receive update on status of the Project including initiation of CEQA and Council approval of Term Sheet
- **City Council of Santa Barbara:**
 - November 13: Receive update on status of Project and CEQA review
 - December 18, 2012 will be asked to approve Term Sheet