



# LOS ANGELES COUNTY COUNTYWIDE SITING ELEMENT REVISION

## PRELIMINARY DRAFT



Presented by:  
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January 19, 2012

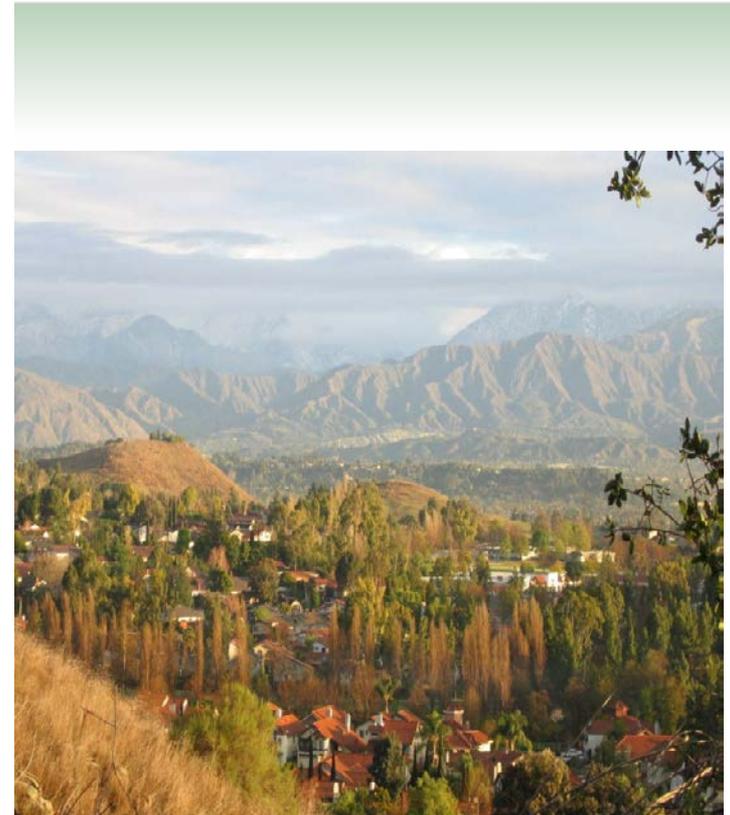
# Background and Purpose



- ◎ The California Integrated Waste Management Act of 1989 (AB 939):
- ◎ Requires each county to prepare a Countywide Siting Element (CSE).
- ◎ The CSE was approved by majority of the cities in the County and the Board of Supervisors on January 1998.
- ◎ CalRecycle approved the County's original CSE in June 1998.
- ◎ The Plan identifies existing and planned Solid Waste Management disposal facilities available for meeting the County's need.
- ◎ Offers goals and strategies for current and future Solid Waste Management Infrastructure.
- ◎ Long term planning and policy document.
- ◎ The Revised CSE requires the approval of majorities of the cities in the County, The Board of Supervisors, and CalRecycle.

# Significant Changes to the CSE

- ⦿ Updated Base Year – 2010
  - 15-year planning period: 2010 – 2025
- ⦿ Removal of Elsmere Canyon and Blind Canyon from the CSE.
- ⦿ Updated goals and policies.
- ⦿ Expansions of several in-County Class III landfills in order to increase landfill capacities within the County.
- ⦿ Promote the development of alternatives to landfill technologies such as conversion technologies.
- ⦿ Promote the development of infrastructure to transport solid waste to out-of-County landfills.
- ⦿ Recognizes Mesquite Regional, El Sobrante, and Simi Valley LFs as essential components of the multi-faceted long-term solid waste management Plan for the County.



# Goals and Policies

1) To protect the health, welfare, and safety of all citizens Countywide.

- ⦿ Enhance in-County landfill disposal capacity.
- ⦿ **Development of new landfills.**
- ⦿ Expansion of existing landfills.
- ⦿ Facilitate utilization of out-of-County/remote disposal facilities.



2) To foster the development of alternative technologies as alternatives to landfill disposal including:

- ⦿ **Encouraging solid waste facility operators to consider feasibility of developing a CT facility on-site or sending feedstock to a CT facility.**

3) To protect the economic well-being of the County.

- ⦿ By ensuring County is served by an efficient and economic public/private solid waste management system.

4) To increase the volume and tonnage of solid waste put to beneficial use.

# Goals and Policies (continued)

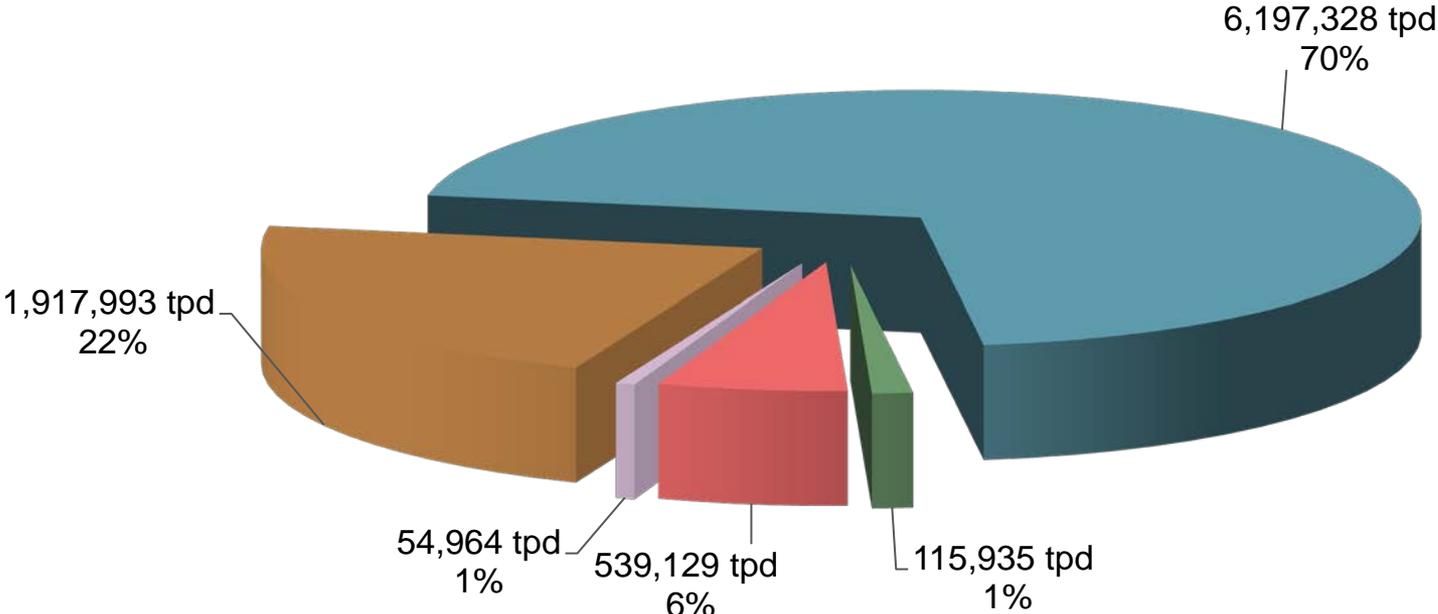
- 5) To promote, encourage, and expand waste diversion activities by disposal facility operators.
- 6) To continue to promote adequate markets and increase the use of recycled materials and compost products.
- 7) To provide siting criteria that considers and provides for the environmentally sound and technically feasible development of solid waste management facilities.
- 8) To conserve Class III landfill capacity, through space-saving measures such as...
  - ⊙ Maximizing fill density
  - ⊙ Use of Alternative Daily Cover
  - ⊙ **Balefilling and Refuse-Derived-Fuel (RDF)**
  - ⊙ **Application of Bioreactor**





# 2010 Disposal Quantities

2010 Los Angeles County Solid Waste Disposal Distribution  
(January 1, 2010 - December 31, 2010)



Legend:

- In-County Major Class III landfills
- Transformation (Waste-to-Energy) Facilities
- Exports to out-of-County Class III landfills
- In-County Minor Class III Landfills
- In-County Permitted Inert Waste landfills

# Remaining Permitted In-County Disposal Capacity

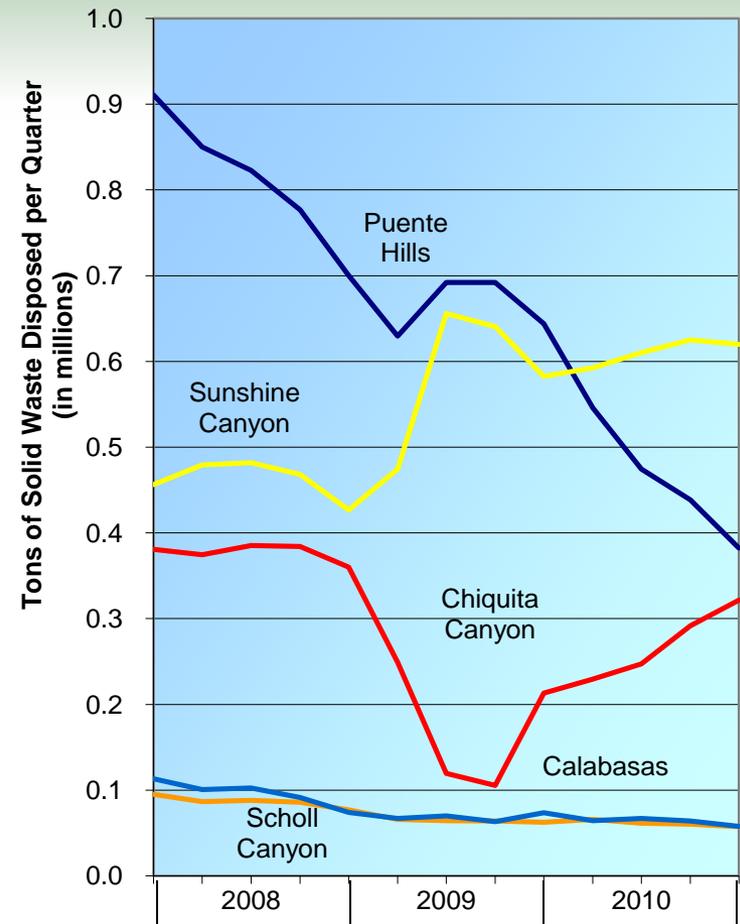
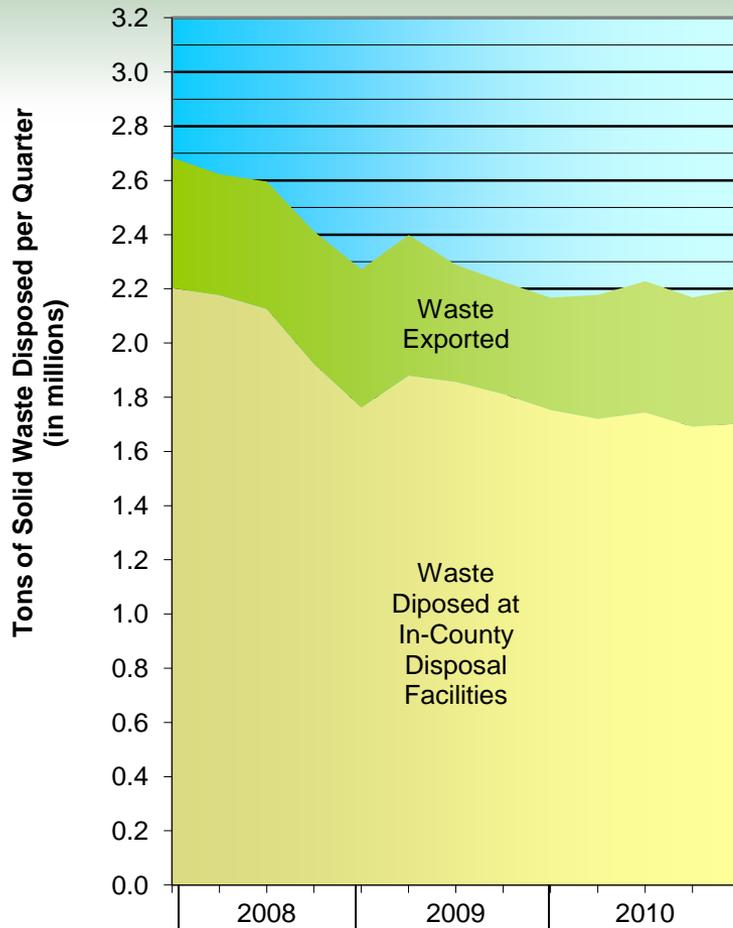
As of January 1, 2011:

- ◎ Class III LF capacity: 123.85 million tons (179.61 million cubic yards).
  - 7 major class III Landfills
  - 4 minor class III Landfills
- ◎ Transformation (waste-to-energy) Facilities: Combined permitted daily capacity from the two are 3,240 tpd.
- ◎ Permitted inert waste LF capacity: 50.84 million tons (42.72 million cubic yards).
  - 13 inert debris disposed facility operations



# REGIONAL SOLID WASTE ISSUES

## DISPOSAL DOWN DUE TO ECONOMY

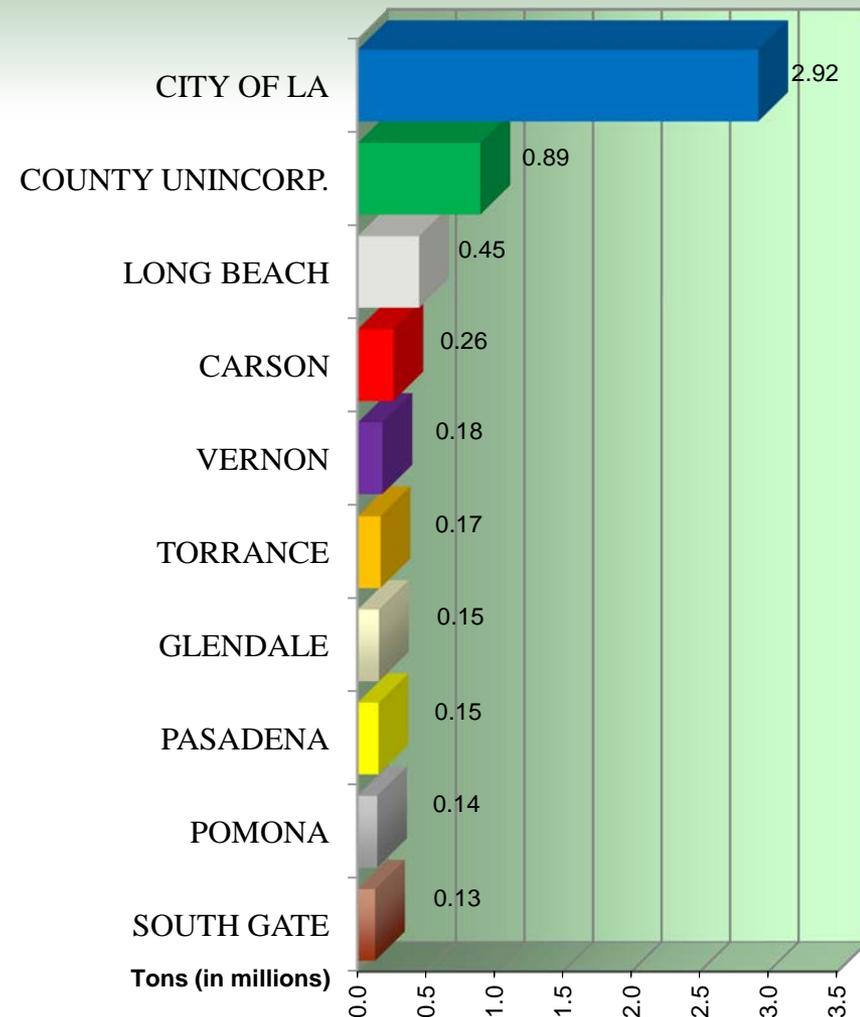




# REGIONAL SOLID WASTE ISSUES

## TOP 10 JURISDICTIONS DISPOSAL QUANTITIES IN 2010

- ⊙ In 2010, 8.8 million tons of solid waste was disposed at Class III landfills and transformation facilities located in and out of the County.
- ⊙ Permitted inert waste landfills totaled 124,820 tons.
- ⊙ This figure shows the top 10 jurisdictions that disposed solid waste, including inert waste.

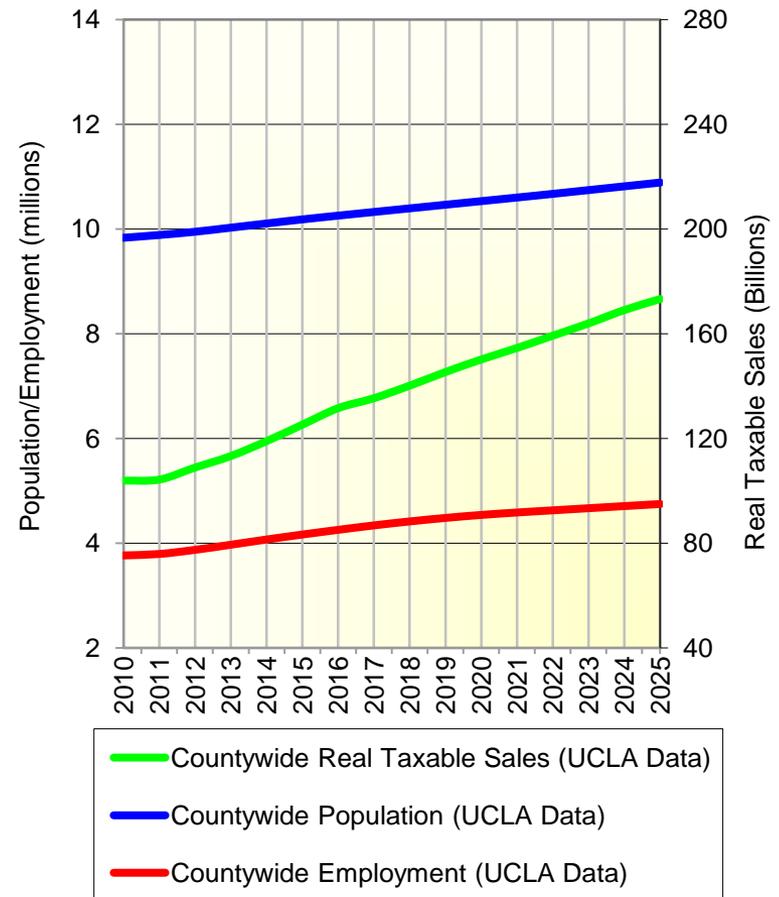


# Waste Generation & Projections of Disposal Capacity Needs

Waste generation projections in the CSE were obtained using CalRecycle's Adjustment Methodology.

The Adjustment Methodology considers population, employment, and real taxable sales.

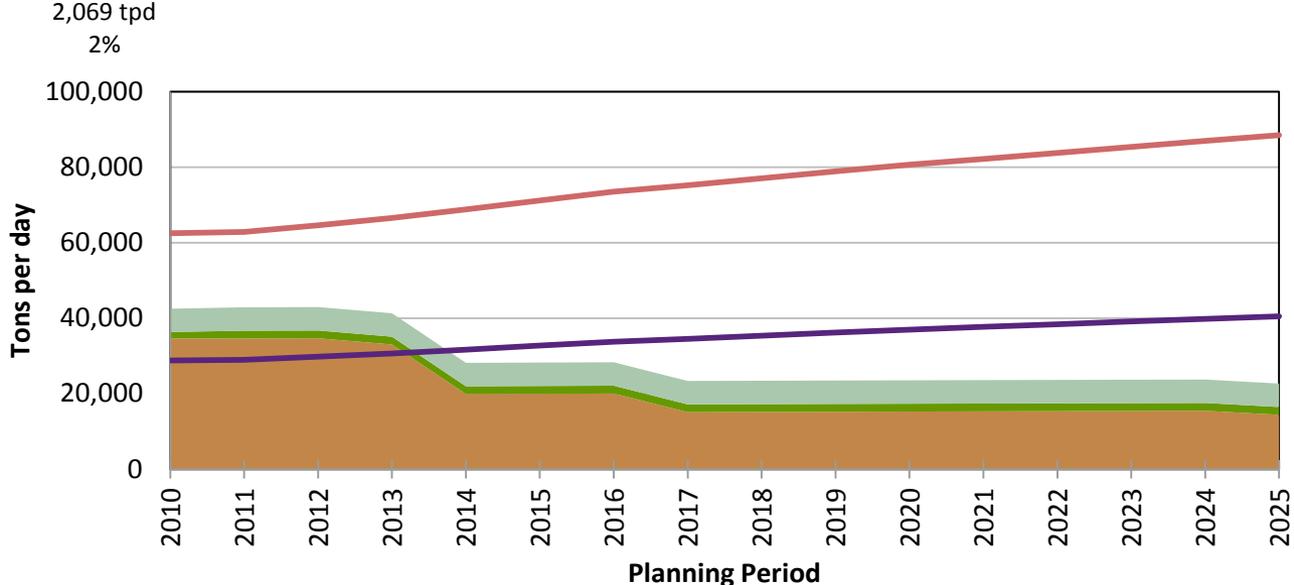
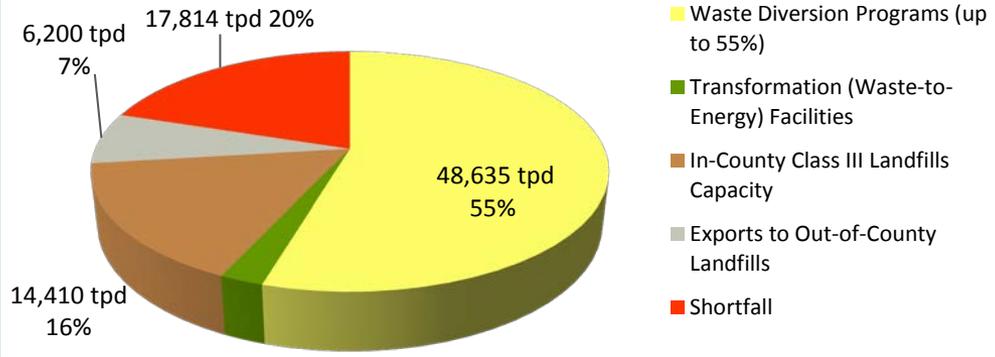
The UCLA Anderson Long-Term Forecast (July 2011) projections were used for population, taxable sales, and employment data through the year 2025.





# DISPOSAL CAPACITY NEED ANALYSIS

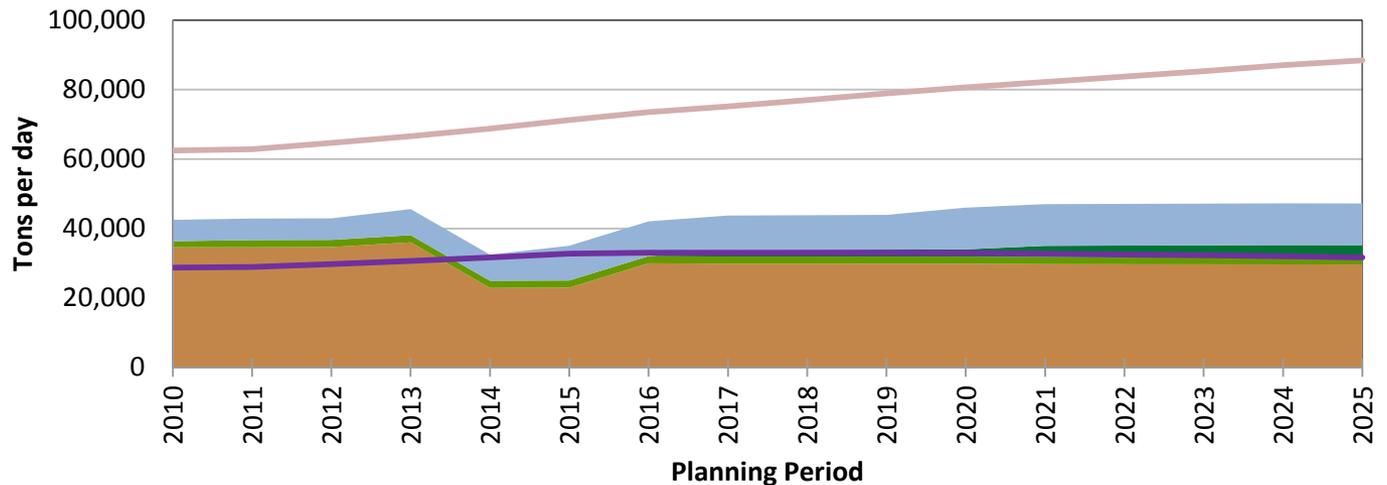
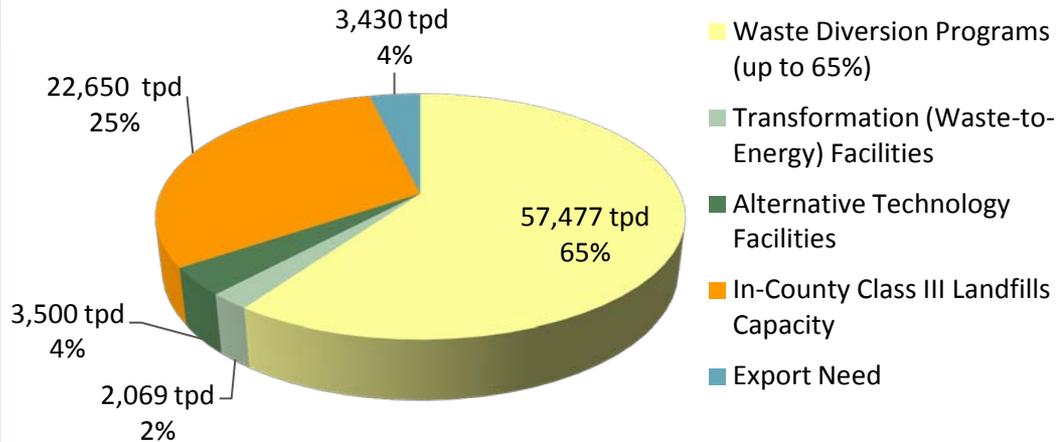
## SCENARIO 1- STATUS QUO



■ In-County Class III Landfills Daily Disposal Capacity     
 ■ Transformation (Waste-to-Energy) Facility Daily Capacity  
■ Exports to Out-of-County Facilities     
 ■ Daily Disposal Demand (Including Imports)  
■ Daily Waste Generation

# DISPOSAL CAPACITY NEED ANALYSIS

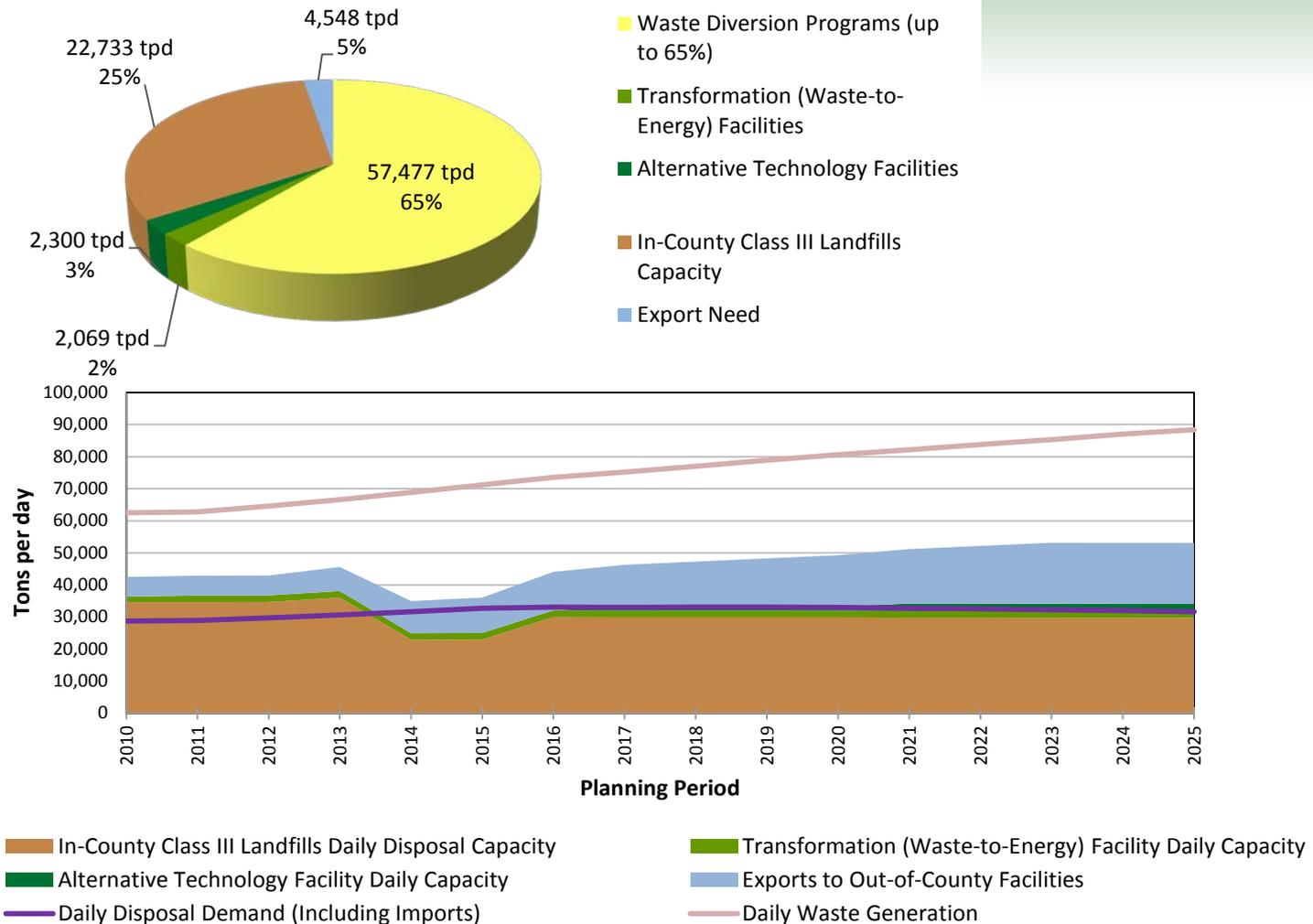
## SCENARIO 7- INCREASE IN ALTERNATIVE TECHNOLOGY CAPACITY (UP TO 3,500 TPD BY 2025)



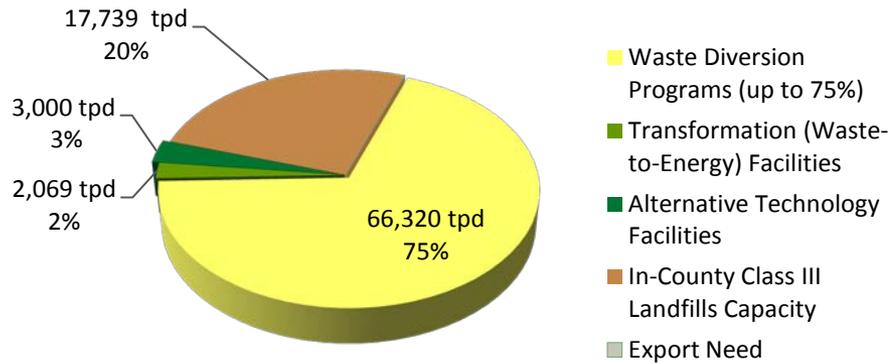
- In-County Class III Landfills Daily Disposal Capacity
- Transformation (Waste-to-Energy) Facility Daily Capacity
- Alternative Technology Facility Daily Capacity
- Exports to Out-of-County Facilities
- Daily Disposal Demand (Including Imports)
- Daily Waste Generation

# DISPOSAL CAPACITY NEED ANALYSIS

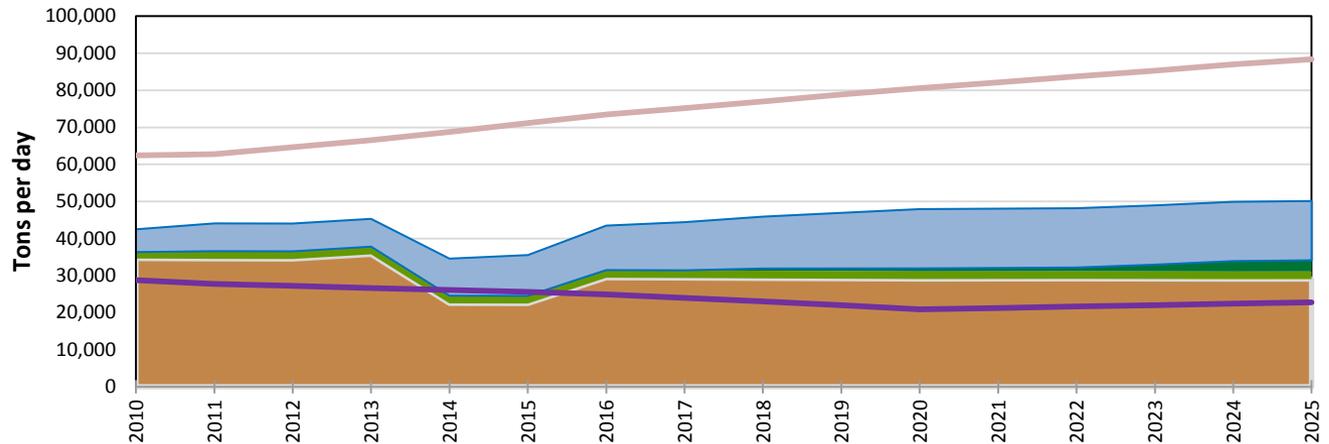
## SCENARIO No. 8 - FULL UTILIZATION OF AVAILABLE OUT-OF-COUNTY DISPOSAL CAPACITY (UP TO 19,000 TPD BY 2025)



# DISPOSAL CAPACITY NEED ANALYSIS SCENARIO NO. 9 - BEST CASE (ALL SOLID WASTE MANAGEMENT OPTIONS CONSIDERED BECOMES AVAILABLE



**Note:** Up to 16,000 tpd is available at out-of-County landfills for Los Angeles County's disposal need.



**Planning Period**

- In-County Class III Landfills Daily Disposal Capacity
- Transformation (Waste-to-Energy) Facility Daily Capacity
- Alternative Technology Facility Daily Capacity
- Exports to Out-of-County Facilities
- Daily Disposal Demand (Including Imports)
- Daily Waste Generation

# COMPLIANCE WITH SB 1016

## APPENDIX E-3

### BASE YEAR PROJECTIONS BASED ON SB 1016 LIMIT

Year	Generation (Tons)	Population	Per Capita Generation (Lbs/Resident/Day)
2003	23,798,794.40	9,993,000	13.05
2004	23,933,734.82	10,105,000	12.98
2005	24,623,752.80	10,184,000	13.25
2006	23,614,932.98	10,233,000	12.65
Four-year Average of Generation:			12.98
Diversion requirement level:			50%
<b>Per Capita Disposal Equivalent:</b>			<b>6.49</b>

- ◎ SB 1016 uses per capita disposal as a metric rather than diversion rate.
- ◎ SB 1016 specifies the use of base years between 2003 and 2006.
- ◎ The per capita disposal target is calculated by multiplying the average of base year per capita generation rates by 50%.

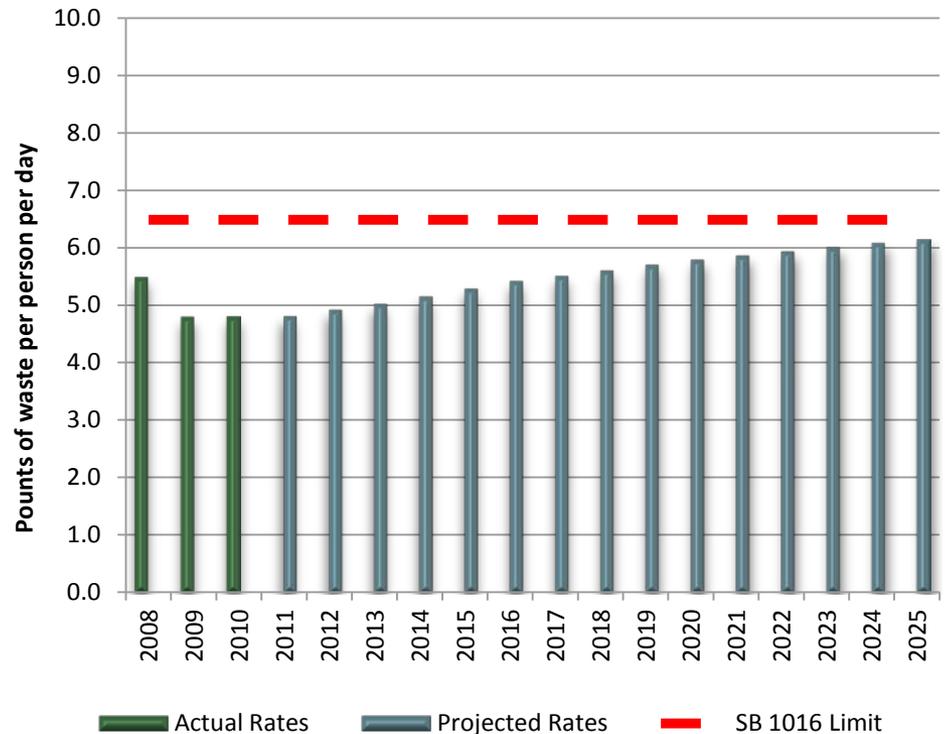
$$\text{Per Capita Generation} = \frac{(\text{Generation}) * (2000 \text{ lb/ton}) * (365 \text{ days})}{(\text{Population})}$$

$$\text{Per Capita Disposal Equivalent} = (\text{Four-Year Avg of Generation}) * (1 - \text{Diversion Requirement Level})$$

# COMPLIANCE WITH SB 1016

- ◎ SB 1016 projections are based on population, employment, and real taxable sales.
- ◎ Jurisdictions in LA County must continue their diversion programs as well as other disposal strategies so that the diversion rate remains at 55 percent through 2025.

## Disposal Projection for Countywide Areas



# Alternative Technologies

◎ The CSE describes efforts to research, promote, and develop alternatives to landfills, such as conversion technologies as one of the key strategies for managing solid waste in the County.

◎ Identifies Jurisdictions' Efforts in Developing Alternative Technology Facilities

◎ Benefits and challenges involved in implementing alternative technology facilities.

◎ City of Los Angeles Proposals

◎ County of Los Angeles Proposals

◎ Role of the Task Force



# PROPOSED POTENTIAL LOCATIONS FOR ALTERNATIVE TECHNOLOGY FACILITIES

NO.	STAKEHOLDERS	SITE NAME [SITE OPERATION]	SITE LOCATION	SITE OWNER	SITE ZONING	SITE ACREAGE	PROPOSED CAPACITY (Tpd-6)
1	City of Avalon	Pebble Beach Landfill [Landfill]	1 Dump Road, Avalon CA	City of Avalon	Landfill	7.7 acres	8.0
2	City of Calabasas	Calabasas Landfill [Landfill]	5300 Lost Hills Road, Agoura CA 91301	County of Los Angeles	Landfill	TBD	700
3	Calmet Services	Paramount MRF [MRF/TS]	7202 Patterson Ln, Paramount CA 90723	Calmet Services	Industrial	10 acres	15-100 tpd
4	City of Carson	City Public Works Yard [Public works operations]	2390 East Dominguez St Carson, CA 90810 (approx)	City of Carson	Industrial	14 acres	TBD
5	City of Glendale	Scholl Canyon Landfill [Landfill]	7721 North Figueroa Street Los Angeles, CA 90041	City of Glendale/County	Landfill	500 acres	TBD
6	Green City Development, Inc.	Real Estate [Oil drilling/vacant land]	Sierra Hwy City of Santa Clarita	Green City Development, Inc.	Industrial	115 acres	1500
7	City of Lancaster	Lancaster Landfill [Landfill]	600 E Avenue F, Lancaster, CA 93535	Waste Management Inc.	Landfill	TBD	TBD
8	City of Long Beach	Real Estate [Pier A West]	South Henry Ford Ave, Long Beach CA (approx)	City of Long Beach	Industrial	80 acres	TBD
9	City of Long Beach	Real Estate [Terminal Island]	Terminal Island Freeway at new Dock St, Long Beach CA 90744	City of Long Beach	Industrial	TBD	TBD
10	Mustang Power	Mustang Power [Storage facilities/Vacant land]	Lopez Road, Los Angeles CA 91342 (approx)	Mustang Power	Industrial	36 acres	TBD
11	Interior Removal Specialists, Inc	South Gate MRF [C&D Recycling]	9309 Rayo Ave South Gate, CA 90280	Interior Removal Specialists, Inc	Industrial	14 acres	20-30 tpd
12	Valley Vista Services	Valley Vista Grand Central [MRF/TS]	17445 Railroad St, Industry CA 91748	Valley Vista Services	Industrial	25 acres	250 tpd
13	Waste Recovery & Recycling (WRR)	WRR MRF/TS [MRF/TS]	357 W. Compton Blvd Gardena, CA 90248	WRR	Industrial	8.5 acres	TBD
14	Southland Disposal	City Terrace MRF [MRF/TS]	1525 Fishburn Ave Los Angeles, CA 90063	Southland Disposal	Industrial	1.6 acres	20-50 tpd
15	Green City Development, Inc.	Real Estate [Oil drilling/vacant land]	12615 Lopez Cy. Rd Sylmar CA	Green City Development, Inc.	Industrial	15 acres	TBD
16	Pacific Coast Waste & Recycling	Real Estate [Vacant land]	Unincorporated LA County near 605 Freeway	Pacific Coast Waste & Recycling	Industrial	TBD	TBD
17	Pacific Coast Waste & Recycling	Real Estate [Vacant land]	Inglewood, CA	Pacific Coast Waste & Recycling	Industrial	TBD	TBD
18	Pacific Coast Waste & Recycling	Real Estate [Vacant land]	Compton, CA	Pacific Coast Waste & Recycling	Industrial	10 acres	TBD
19	Pacific Coast Waste & Recycling	Real Estate [Vacant land]	Compton, CA	Pacific Coast Waste & Recycling	Industrial	7 acres	TBD

# Potential Expansions and/or Developments of Landfills

## ◎ **Chiquita Canyon Landfill:**

-59.5 million tons of additional capacity

-Increase in daily capacity from 6,000 tpd to 12,000 tpd

## ◎ **Lancaster Landfill:**

-Increase daily tonnage from 1,700 tpd to 3,000 tpd

## ◎ **Savage Canyon Landfill (City of Whittier):**

-2.63 million tons of additional capacity

## ◎ **Scholl Canyon Landfill:**

-5 million tons (vertical expansion only)

-6 million tons (vertical and horizontal expansions) of additional capacity



# Consistency with City and County General Plans



- ⦿ AB 939, as amended, requires the CSE to identify sites and areas for any new potential sites and facilities.
- ⦿ The authority for determining the consistency with the General Plan lies with the government of the local jurisdiction in which the project is located.
- ⦿ Areas identified in the CSE are considered to be “reserved” if the:
  - a) Local jurisdiction has made a specific determination that the proposed land use for the solid waste facility is consistent with its General Plan, or
  - b) Use of the area as a solid waste facility is listed among the potential uses for the area in the local jurisdiction’s General Plan.
- ⦿ Otherwise, the identified areas are considered "tentatively reserved" and not consistent with the local jurisdiction's General Plan.

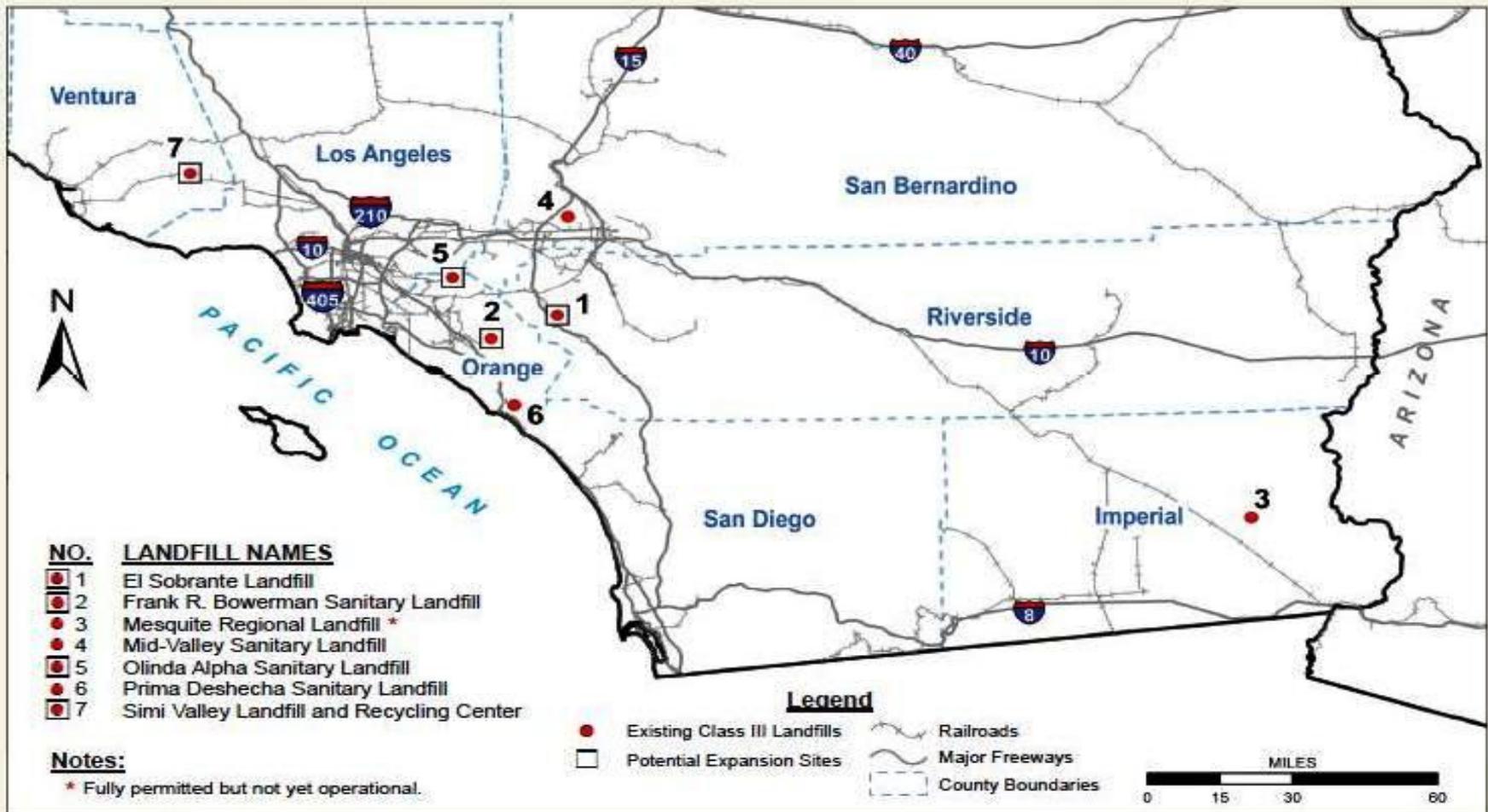
# Available Out-of-County Disposal Capacity

<u>Landfill Name</u>	<u>2010 Average Daily Imports from LA County (tpd)</u>	<u>Potential Intake Capacity from LA County (tpd)</u>	<u>Permitted Daily Capacity (tpd)</u>	<u>Remaining Capacity (million tons)</u>	<u>Life (years)</u>
<b>Mesquite Regional</b> (Imperial County)	N/A	19,000	20,000	660	111
<b>El Sobrante</b> (Riverside County)	2,397	4,000	16,054	111	34
<b>Simi Valley</b> (Ventura County)	1,152	3,000	9,250	72	42
<b>Avenal</b> (Kings County)	0	TBD	6,000	16	9
<b>Frank Bowerman</b> (Orange County)	667	1,500	11,500	119	42
<b>Olinda Alpha</b> (Orange County)	1,001	1,500	8,000	29	10
<b>Prima Deshecha</b> (Orange County)	334	1,500	4,000	80	56

# OUT OF COUNTY LANDFILL LOCATION MAP

## OUT-OF-COUNTY LANDFILLS

OUT OF COUNTY LANDFILLS CURRENTLY AVAILABLE FOR USE BY JURISDICTIONS IN LOS ANGELES COUNTY



# Finding of Conformance

- ⊙ Describes the procedure through which all landfills and facilities may obtain a Finding of Conformance (FOC) with the CSE, from the local task force.
  
- ⊙ The FOC process:
  - a) provides a mechanism for the inclusion of new and/or expansions of the existing facilities in the CSE.
  
  - b) ensures that the Siting Criteria contained in the CSE are applied and complied with and that all new and/or expansions of the existing facilities are consistent with the CSE and its Siting Criteria.
  
  - c) provides a forum through which the public, local jurisdictions, public organizations, businesses, and industry may voice their opinions regarding each individual project.



# Conclusion



The County's Solid Waste Management objective is accomplished:

- ◎ The analyses provided demonstrate that the County could meet its disposal capacity needs by:
  - 1) Permitting and developing all proposed in-County landfill expansions and exploring feasibility of new landfills.
  - 2) Promoting and developing conversion and other alternative technologies.
  - 3) Promoting and developing infrastructure to facilitate exportation of waste to out-of-County landfills.
  - 4) Utilizing available out-of-County disposal facilities such as Mesquite Regional, El Sobrante, and Simi Valley Landfills.
- ◎ By continuing to enhance its diversion programs & increasing the Countywide diversion rate the County may further ensure adequate disposal capacity is available thru the planning period.

# REVISION PROJECT TIMELINE FOR THE TASK FORCE

## **Preliminary Draft CSE:**

- Completion of Public Works' technical review and update of the Preliminary Draft CSE: 12/31/2011
- FPRS review and consideration of the Preliminary Draft CSE: 03/15/2012
- Task Force consideration of the Preliminary Draft CSE: 04/19/2012
- Public Works addresses Task Force comments on the Preliminary Draft CSE, if any: 05/31/2012
- Task Force final review and concurrence with FPRS recommendation on the Preliminary Draft CSE: 06/21/2012

# Questions?

