

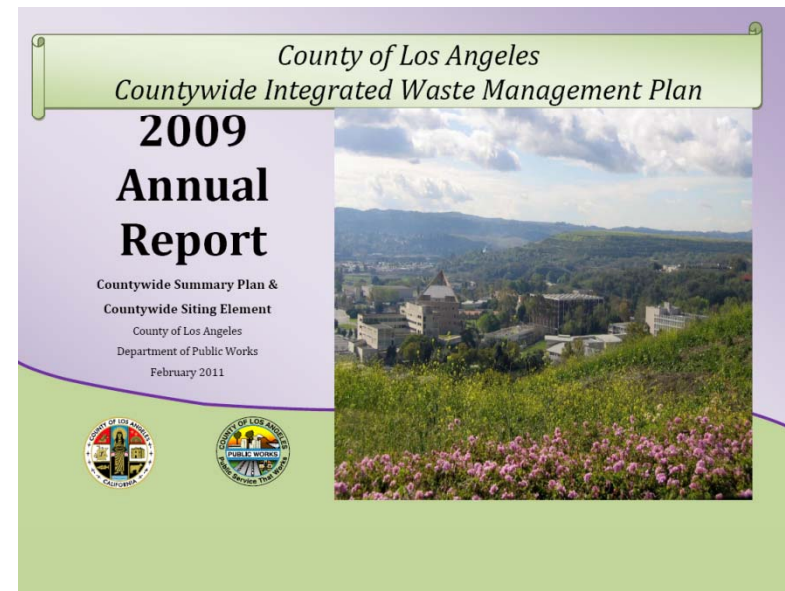


# 2009 ANNUAL REPORT

County of Los Angeles Countywide Integrated Waste Management Plan  
April 21, 2011

# 2009 ANNUAL REPORT

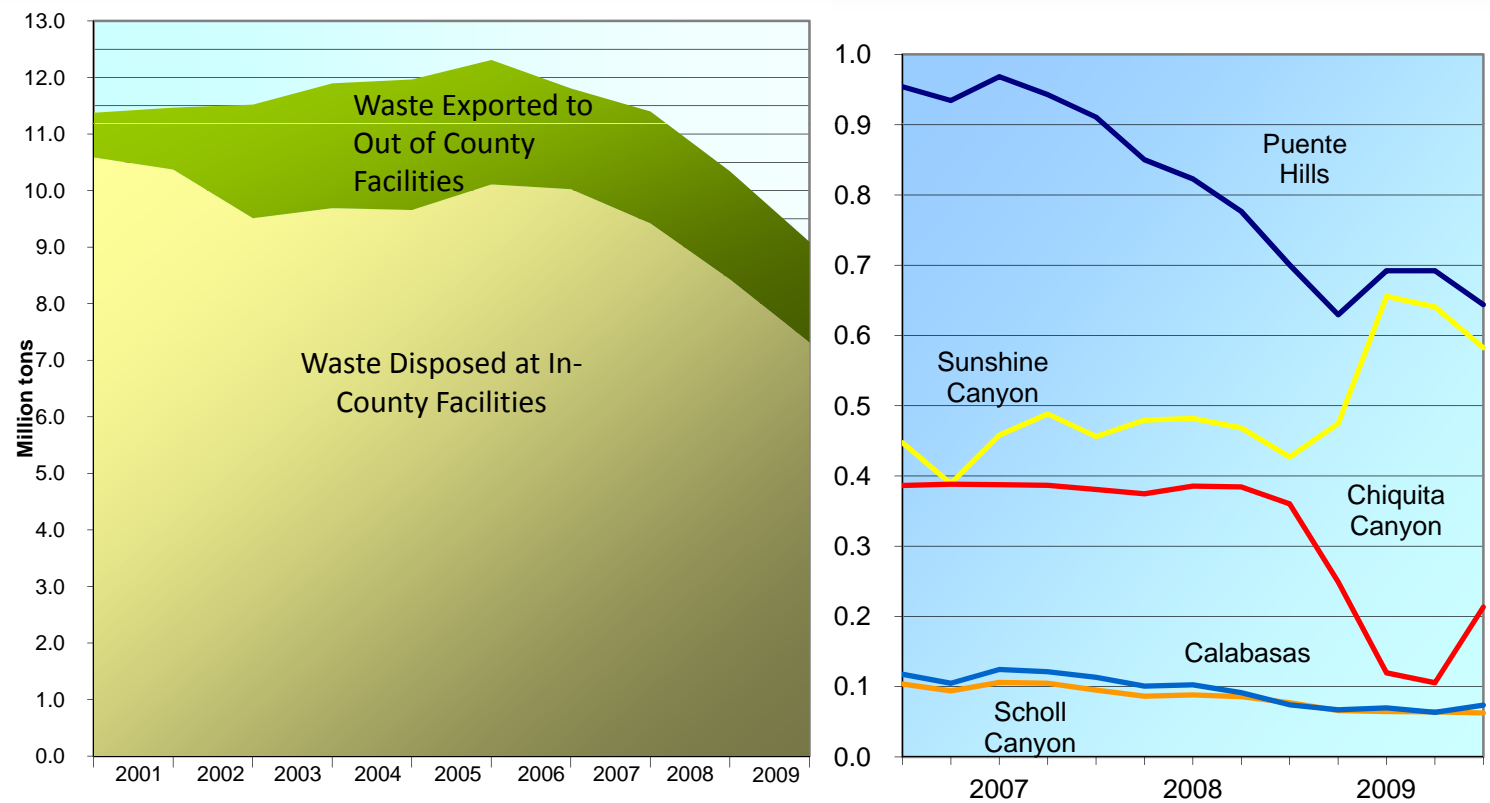
- ◎ The Annual Report is an update on the Los Angeles County Countywide Integrated Waste Management Plan.
- ◎ It includes:
  - ◎ Summary Plan Assessment
  - ◎ Siting Element Assessment

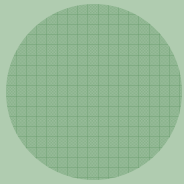


# REGIONAL SOLID WASTE ISSUES

DISPOSAL DOWN DUE TO ECONOMY

## Disposal Trend

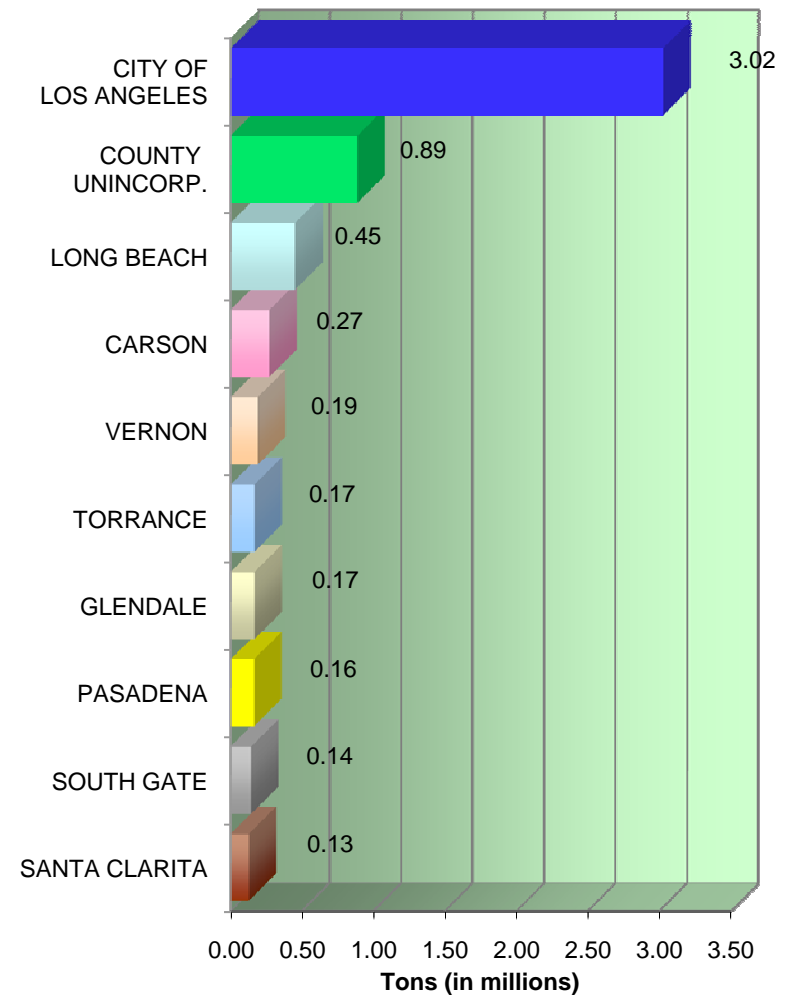


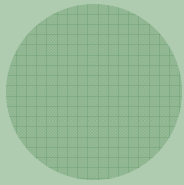


# REGIONAL SOLID WASTE ISSUES

## TOP 10 JURISDICTIONS DISPOSAL QUANTITIES IN 2009

- ⊙ In 2009, 9 million tons of solid waste disposed at Class III landfills and transformation facilities located in and out of the County.
- ⊙ Permitted inert waste landfills totaled 87,000 tons.
- ⊙ This figure shows the top 10 jurisdictions that disposed solid waste, including inert waste.

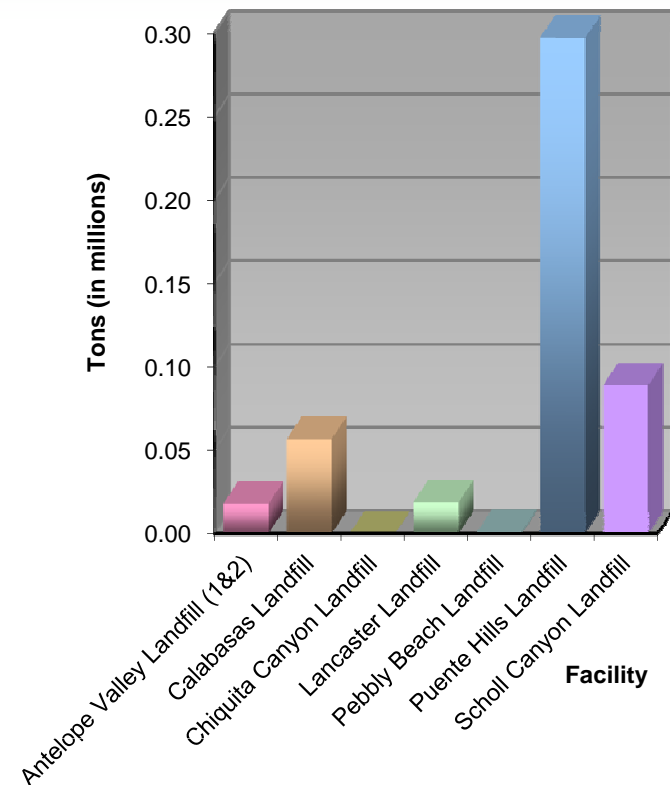




# REGIONAL SOLID WASTE ISSUES

## GREEN WASTE AS ALTERNATIVE DAILY COVER

- ◎ Puente Hills Landfill accepted nearly half of the green material ADC generated countywide.
- ◎ PHL's closure in 2013 could result in inadequate in-county processing capacity and a limited market for compost made from greenwaste.
- ◎ San Gabriel Valley Cities generate approximately 274,000 tons of greenwaste annually, about 76% which is managed at Puente Hills Landfill.
- ◎ The County is currently developing a Green Waste Management Plan by December 2012 in preparation for the closure of Puente Hills Landfill.



# REGIONAL SOLID WASTE ISSUES

## CONVERSION AND ALTERNATIVE TECHNOLOGY



- ◎ The City of Los Angeles is currently in negotiations with the supplier with a proposal in the emerging technology category and is still considering the commercial scale alternative technology proposals.
- ◎ The city is also currently working on a siting assessment. As part of this plan, the City is looking at conversion technologies as well as waste-to-energy facilities.

# REGIONAL SOLID WASTE ISSUES

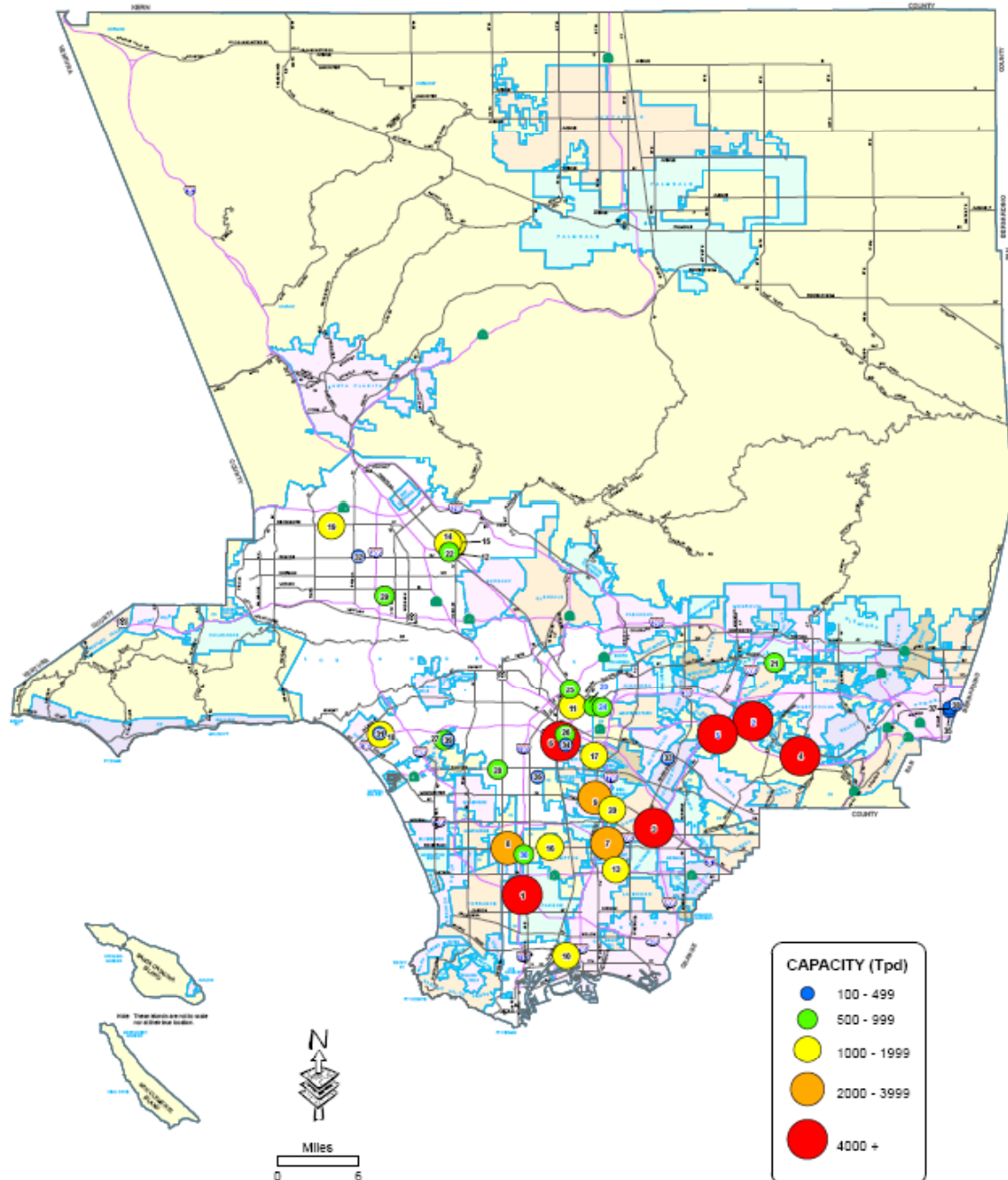
## MARKET FOR RECOVERED MATERIALS

- ◎ The market value of recyclable materials has declined drastically in recent times.
- ◎ Extensive supply but insufficient domestic demand results in a substantial dependence on China and other foreign countries as markets for our recyclables.





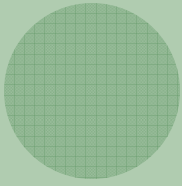
## Permitted Large Volume Solid Waste Transfer and Processing Facilities in Los Angeles County in 2009



NO.	FACILITY NAME AND ADDRESS	PERMITTED CAPACITY (Tpd)
1	Carson Transfer Station & Materials Recovery Facility 321 West Francisco Street, Carson, 90745	5,300
2	Athens Services 14048 East Valley Boulevard, Industry, 91748	5,000
3	Downey Area Recycling & Transfer 9770 Washburn Road, Downey, 90241	5,000
4	Grand Central Recycling & Transfer Station 999 Hatcher Boulevard, City of Industry, 91744	5,000
5	Puente Hills Materials Recovery Facility 2808 Workman Mill Road, Whittier, 90601	4,400
6	Central LA Recycling & Transfer Station 2201 Washington Boulevard, Los Angeles, 90034	4,025
7	Pasadena Resource Recycling Facility 7230 Petterson Lane, Pasadena, 91103	2,450
8	American Waste Transfer Station 1449 West Rosecrans Avenue, Gardena, 90247	2,225
9	Waste Management South Gate Transfer 4489 Ardine Street, South Gate, 90280	2,000
10	Falcon Refuse Center, Inc. (Allied/BFI Waste Systems, Falcon) 3031 East T Street, Wilmington, 90744	1,850
11	Mission Road Recycling & Transfer Station 840 South Mission Road, Los Angeles, 90033	1,785
12	Community Recycling & Resource Recovery, Inc. 9147 De Garmo Avenue, Sun Valley, 91352	1,700
13	Bel-Art Waste Transfer Station 2501 East 88th Street, Long Beach, 90805	1,500
14	Bradley East Transfer Station 9227 Tujunga Avenue, Sun Valley, 91352	1,500
15	Athens Sun Valley Materials Recycling & Transfer Station 11121 Pendleton Street, Sun Valley, 91352	1,500
16	Compton Recycling & Transfer Station (Allied/BFI Waste Systems, Compton) 2500 West Rosecrans Avenue, Compton, 90220	1,500
17	Innovative Waste Control 4133 Bendini Boulevard, Vernon, 90023	1,250
18	Southern California Disposal Company Recycling & Transfer Station 1008 Frank Street, Santa Monica, 90404	1,058
19	Granada Hills Street Maintenance District Yard 10210 Elwood Avenue, Northridge, 91325	1,000
20	South Gate Transfer Station 9530 South Garfield Avenue, South Gate, 90280	1,000
21	Alan Corcoran Baldwin Park 14904-14616 Arrow Highway, Baldwin Park, 91708	750
22	Sun Valley Paper Stock Materials Recovery Facility & Transfer Station 8701 North San Fernando Road, Sun Valley, 91352	750
23	City Terrace Recycling Transfer Station 1511-1525 Fairbairn Avenue, City Terrace, 90085	700
24	East Los Angeles Recycling And Transfer 1512 North Bonnie Beach Place, City Terrace, 90083	700
25	East Street Maintenance District Yard 452 San Fernando Road, Los Angeles, 90095	700
26	Angelus Western Paper Fibers, Inc. 2474 Porter Street, Los Angeles, 90021	650
27	Culver City Transfer/Recycling Station 9055 West Jefferson Boulevard, Culver City, 90232	500
28	Southwest Street Maintenance District Yard 5880 South Wilton Place, Los Angeles, 90047	500
29	Van Nuys Street Maintenance District Yard 15145 Oxnard Street, Van Nuys, 91411	500
30	Waste Resource Recovery 957 West Compton Boulevard, Gardena, 90248	500
31	City of Santa Monica Transfer Station 2500 Michigan Avenue, Santa Monica, 90404	400
32	City Fibers - West Valley Plant 16714 Schoenborn Street, Los Angeles, 91343	350
33	Pico Rivera MRF 8405 Loch Lomand Drive, Pico Rivera, 91690	327
34	City Fibers - LA Plant #2 2545 East 25th Street, Los Angeles, 90058	300
35	Mission Recycling/West Coast Recycling 1526 East Ninth Street, Pomona, 91768	300
36	Los Angeles Express Materials Rec. Fac. 8525 Stanford Avenue, Los Angeles, 90001	240
37	Mission Recycling/West Coast Recycling 1341 East Mission Boulevard, Pomona, 91768	200
38	Pomona Municipal Direct Transfer Facility 1730 East First Street, Pomona, 91768	150
39	Western District Satellite Yard 6000 West Jefferson Boulevard, Los Angeles, 90016	149

### NOTES:

- 1 - Facilities listed are permitted by the California Integrated Waste Management Board as "Large Volume Transfer/Processing" or "Direct Transfer" Facilities with daily capacity of more than 100 tpd.
- 2 - Permitted capacity is based on the Max. Permitted Throughput as specified in the Solid Waste Facility Permit. If capacity is in cubic yards, a conversion factor of 300 lbs/cubic yard for an uncompacted load is assumed.
- 3 - Tpd is tons per day based on 6 operating days a week, 312 days a year.
- 4 - Addresses shown in blue are located in the County unincorporated areas.



# PERMIT CHANGES

## Expanded Facilities

- Antelope Valley
- Pebbly Beach
- Puente Hills
- Sunshine Canyon



## Proposed Facility Expansions

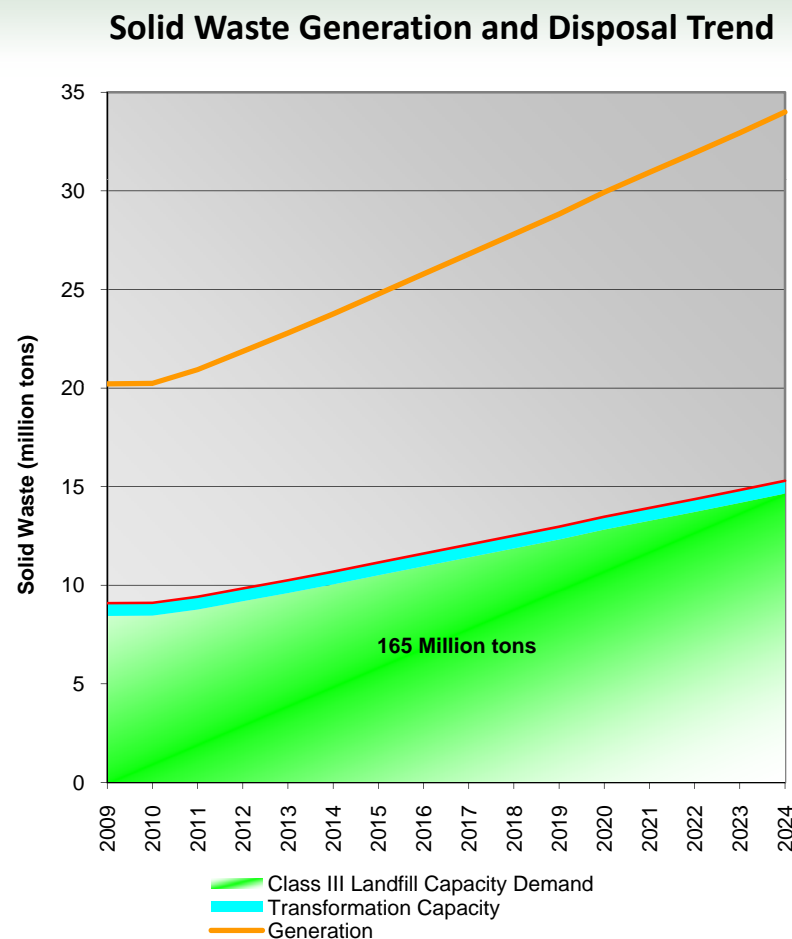
- Antelope Valley
- Chiquita Canyon
- Lancaster

## Proposed Out-of-County Landfills

- Eagle Mountain (Riverside)
- Mesquite Regional (Imperial)

# PROJECTED DISPOSAL CAPACITY SHORTFALL

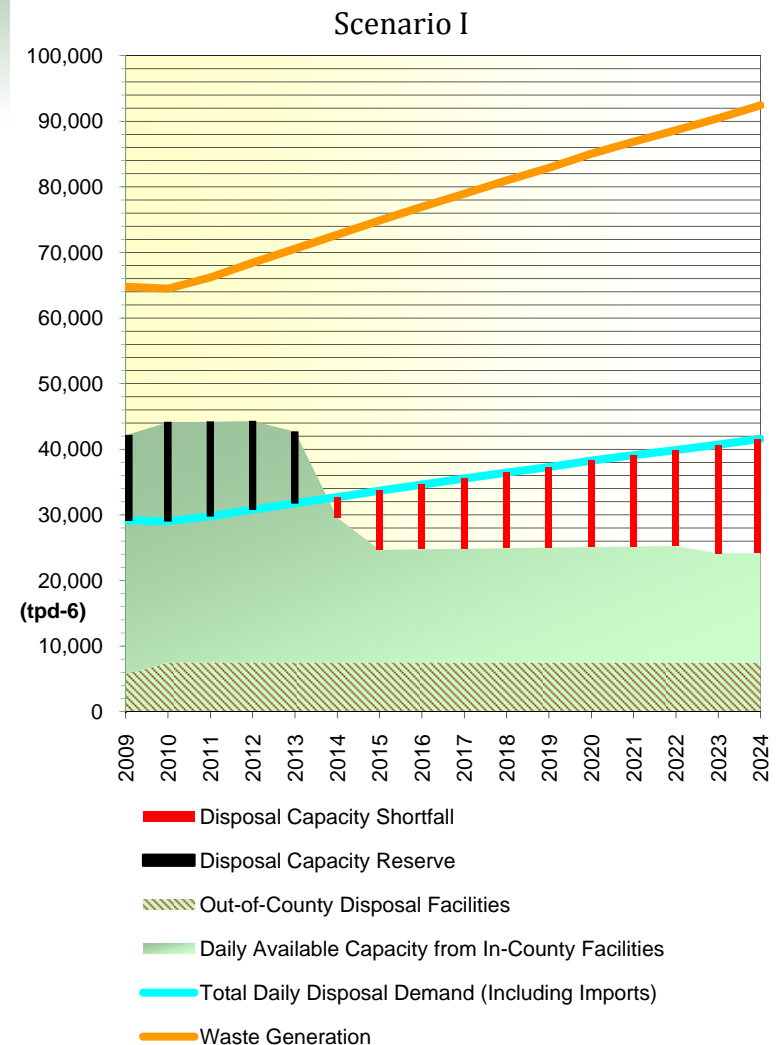
- Based on surveys completed by landfill operators, the total estimated remaining permitted Class III landfill capacity in the County is 142 million tons.

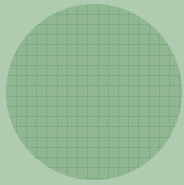


# SCENARIO 1

## STATUS QUO

- Scenario 1 assumes no landfill expansions or alternative technology
- Disposal Capacity Shortfall expected to occur in 2014
- 18,300 tpd shortfall by end of planning period

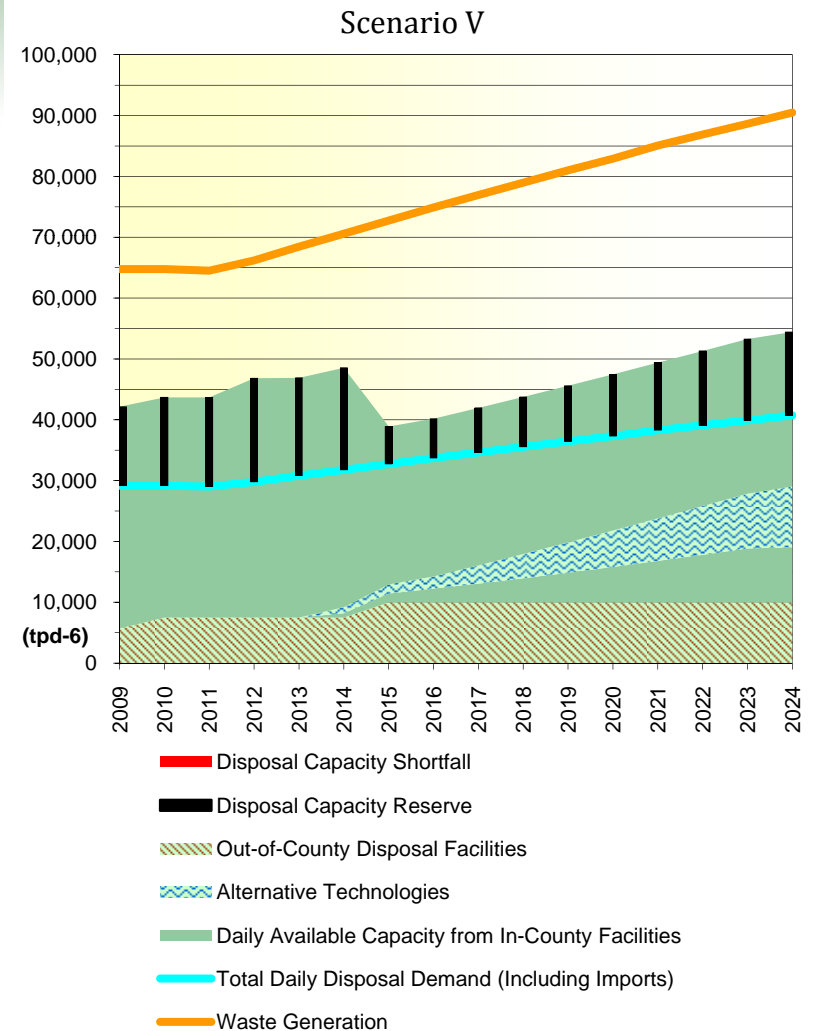


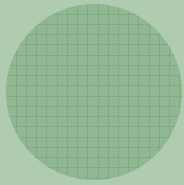


# SCENARIO 5

## ALTERNATIVE TECHNOLOGIES AND INCREASED DIVERSION

- Scenario 5 assumes diversion rate increases 1% annually up to 65%, alternative technology disposal capacity increases to 10,000 tpd
- Disposal Capacity Shortfall averted

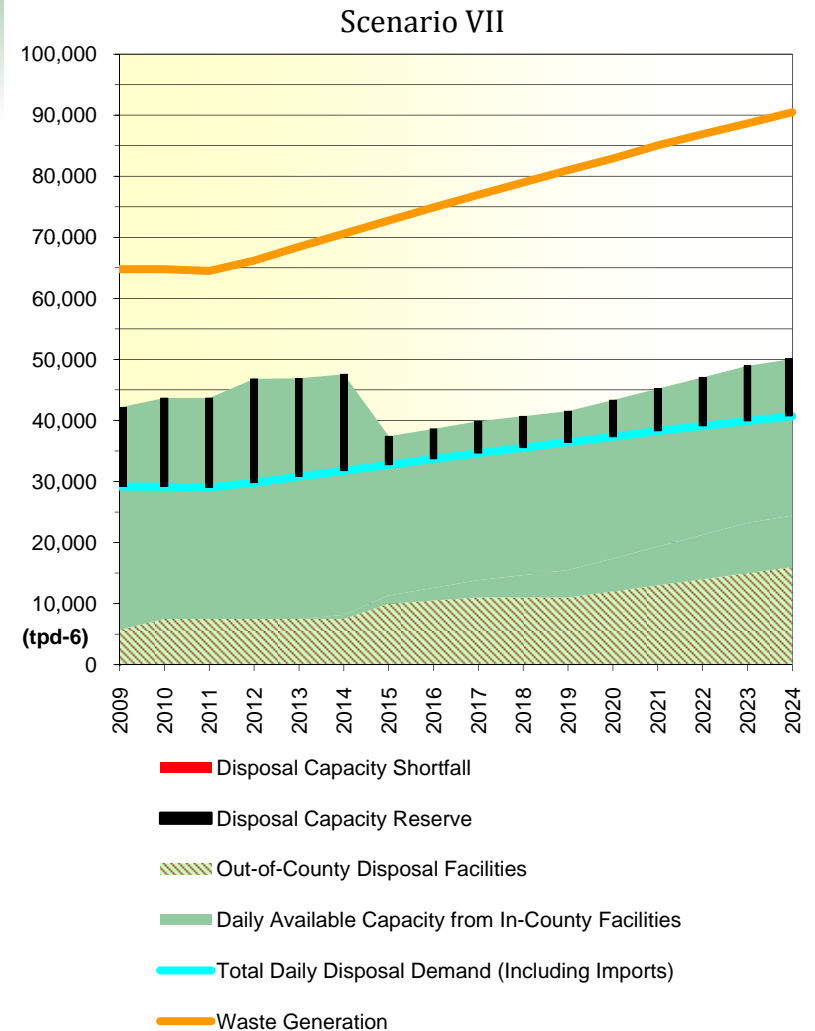




# SCENARIO 7

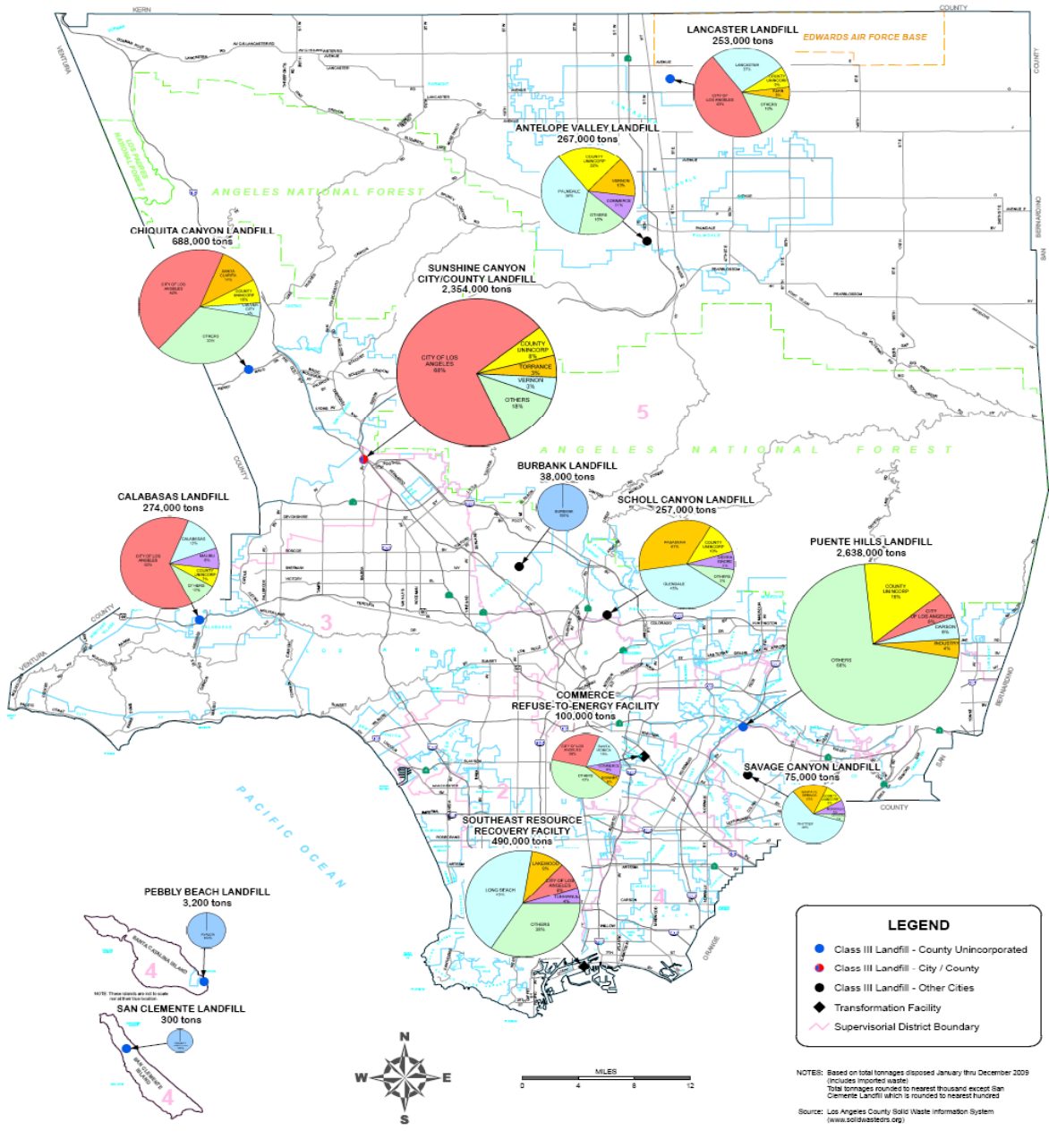
## INCREASED EXPORT & DIVERSION

- Scenario 7 assumes diversion rate increases 1% annually up to 65%, exports increase up to 16,000 tpd
- Disposal Capacity Shortfall averted





**WASTE DISPOSAL BY JURISDICTION OF ORIGIN  
AT PERMITTED MUNICIPAL SOLID WASTE FACILITIES  
IN LOS ANGELES COUNTY  
2009**



## WASTE DISPOSAL MAP

- For each facility:
- Total waste disposed
- Percentages by jurisdiction of origin

# 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%
Per Capita Disposal Equivalent:			6.49

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

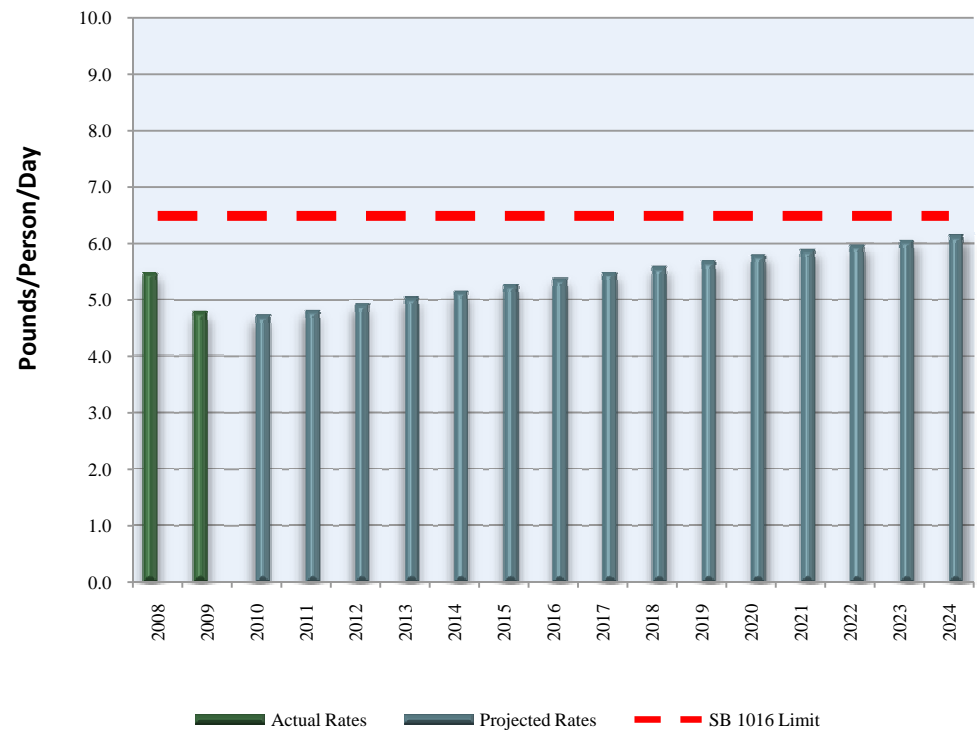
$$\text{Per Capita Disposal Equivalent} = (\text{Four-Year Avg of Generation}) * (1 - \text{Diversion Requirement Level})$$

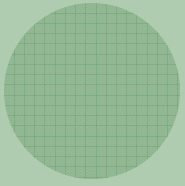
- SB 1016 uses per capita disposal as a metric rather than diversion rate.
- SB 1016 specifies the use of base years between 2003 and 2006.
- The per capita disposal target is calculated by multiplying the average of base year per capita generation rates by 50%.

# 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 2024.

## Disposal Projection for Countywide Areas





# CONCLUSION

- ◎ The County can meet the 15-year disposal capacity requirement by pursuing the following strategies:
  - ◎ Expand existing landfills
  - ◎ Study, promote, and develop CTs
  - ◎ Expand transfer and processing infrastructure
  - ◎ Maximize waste diversion and recycling
  - ◎ Develop a waste-by-rail system
- ◎ A copy of the complete Annual Report can be found online at [www.solidwastedrs.org](http://www.solidwastedrs.org)
- ◎ Questions?