

CalRecycle

State of Disposal in California

Presented by
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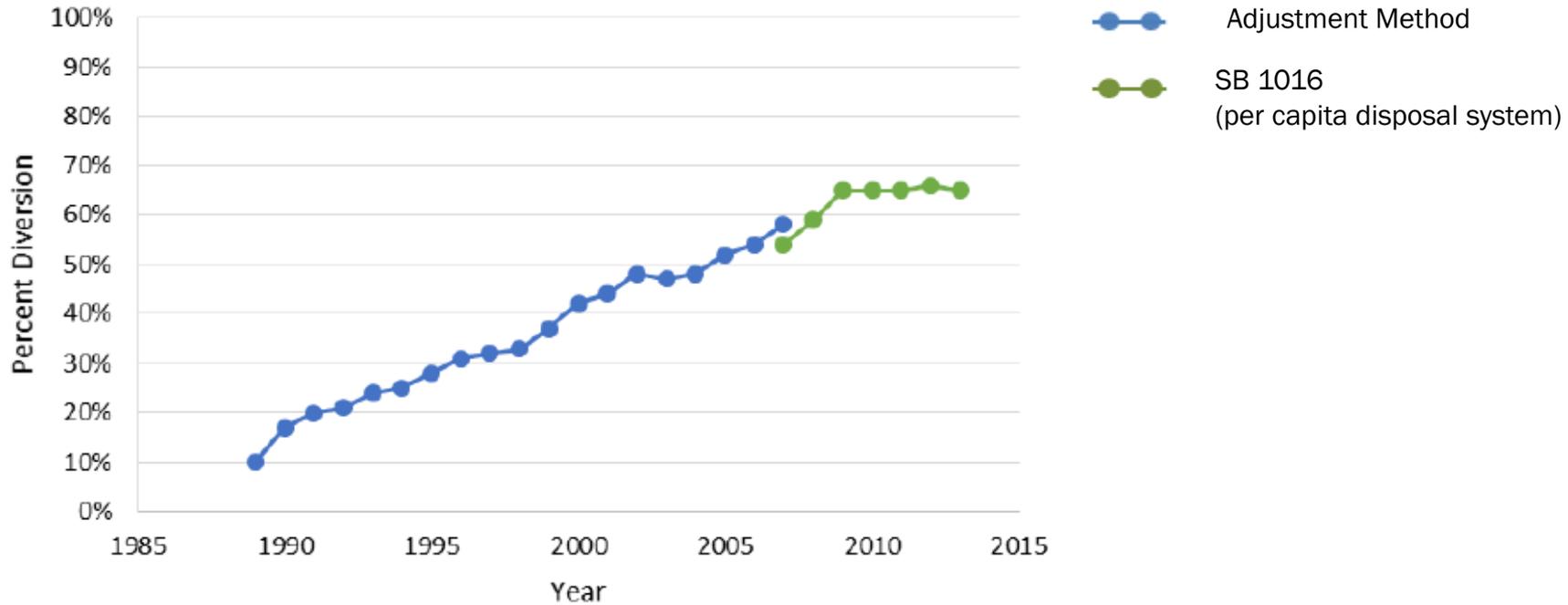
Overview

- Statewide Disposal and Diversion Rates
- Waste Flows
- Composition of Statewide Disposal
- Disposal Flows and Facilities
- Landfill Fees



Statewide Disposal and Diversion Rates

History AB 939/SB 1016



Statewide Disposal and Diversion Rates

| AB 939 | | AB 341 |
|--|--|---------------------------------------|
| Goal | 50 % Diversion (Jurisdictional Mandate) | 75 % Recycling (Statewide Goal) |
| Baseline Generation (Statewide) | 12.6 ppd (2003-2006) | 10.7 ppd (1990-2010) |
| Disposal Target (Statewide) | 6.3 ppd | 2.7 ppd |
| 2013 Statewide Disposal Rate = 4.4 ppd | | |



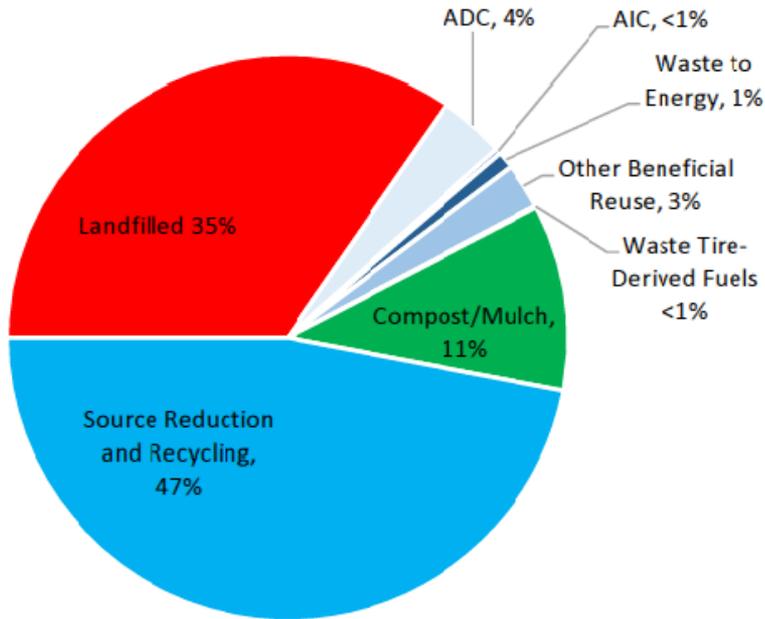
Statewide Disposal and Diversion Rates

| | AB 939 | AB 341 |
|--|---|---|
| Activities that Do Not Count Toward Goal | <p><u>Disposal:</u></p> <p>Landfilling</p> <p>Exported Disposal</p> <p>Some Transformation</p> <p>Engineered MSW</p> <p>Post-2020 Green Waste ADC</p> | <p><u>Disposal:</u></p> <p>Landfilling</p> <p>Exported Disposal</p> <p>All Transformation</p> <p>Engineered MSW</p> <p><u>Disposal-Related:</u></p> <p>ADC /AIC</p> <p>Other Beneficial Reuse</p> <p>Waste Derived Fuel</p> |
| Activities that Count Toward Goal | <p><u>Diversion:</u></p> <p>Source Reduction</p> <p>Composting</p> <p>Recycling</p> <p>ADC (Alternative Daily Cover)</p> <p>AIC (Alternative Intermediate Cover)</p> <p>Other Beneficial Reuse</p> <p>Transformation Credit</p> | <p><u>Recycling:</u></p> <p>Source Reduction</p> <p>Composting</p> <p>Recycling</p> |



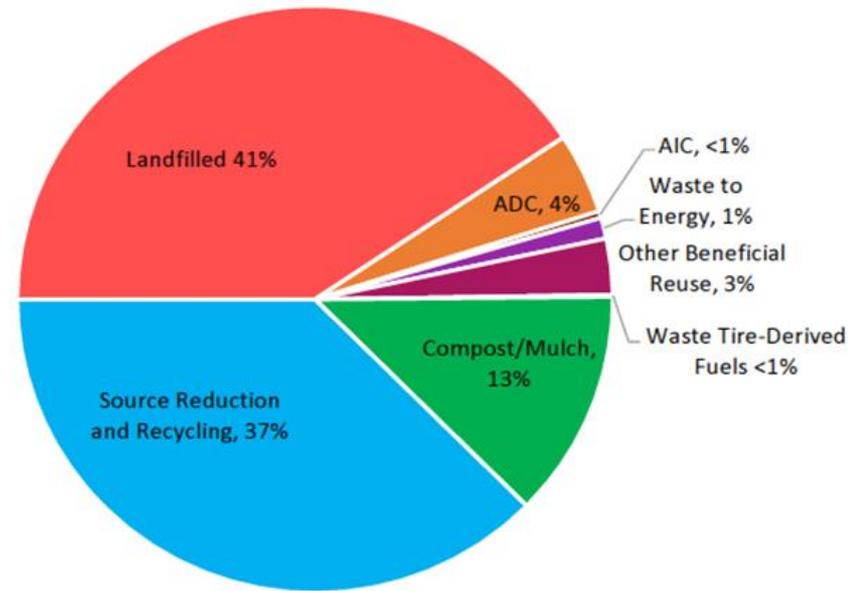
Statewide Disposal and Diversion Rates

Disposal and **Diversion** (AB 939)



Solid waste Generation = 87 Million Tons (12.6 ppd)
 Solid waste Disposal = 30.2 Million Tons
65% Diversion

Disposal and **Recycling** (AB 341)

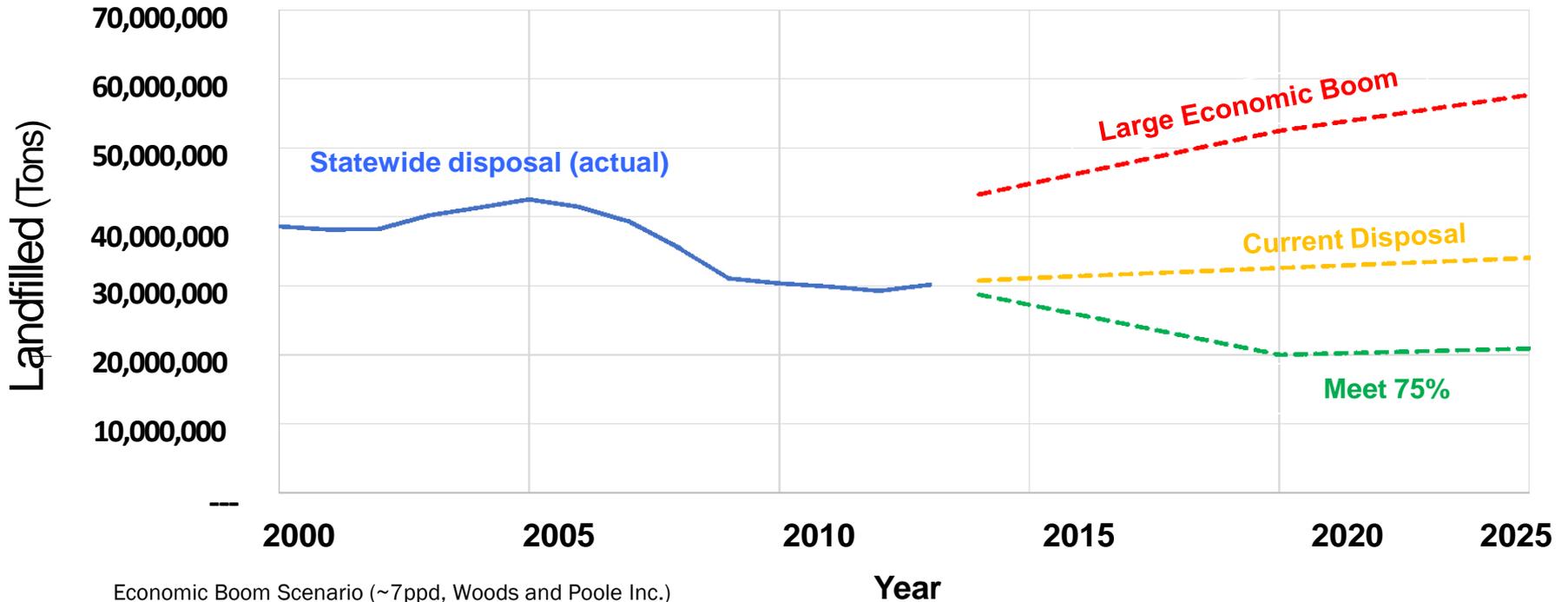


Solid waste Generation = 74 Million Tons (10.7 ppd)
 Solid waste Disposal = 30.2 Million Tons
50% Recycling



Statewide Disposal and Diversion Rates

Three Disposal Scenarios Statewide Disposal Projections through 2025

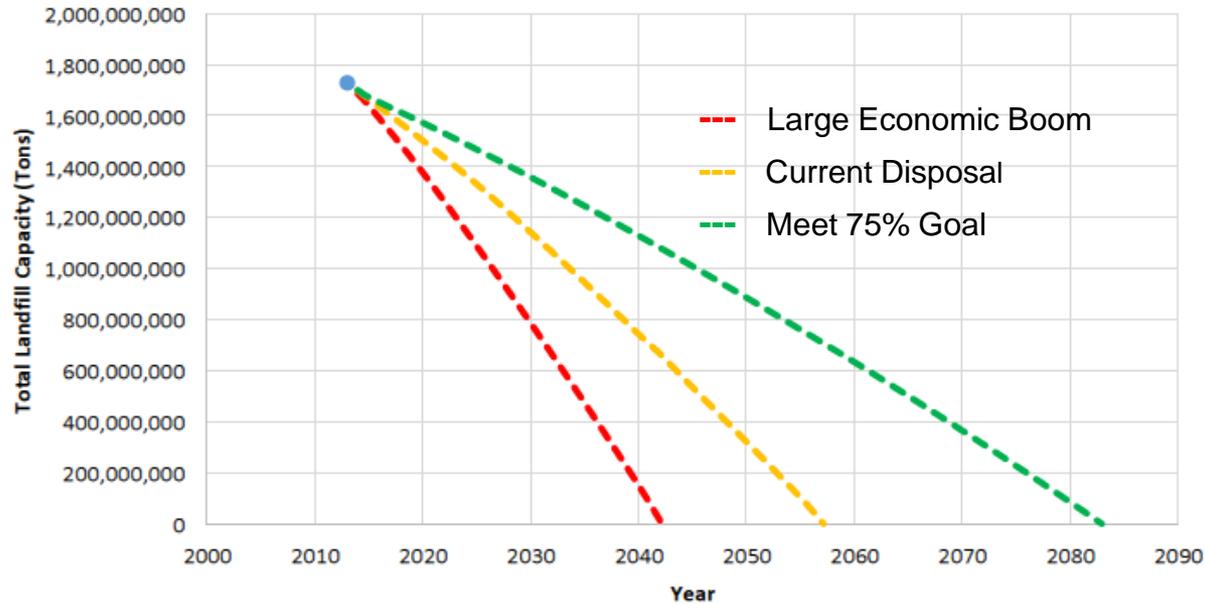


Economic Boom Scenario (~7ppd, Woods and Poole Inc.)
Current Disposal Rate Scenario (~ 4.7ppd)



Statewide Disposal and Diversion Rates

Three Disposal Scenarios Statewide Landfill Capacity Projections



68 years of capacity if we achieve 75% Recycling

Economic Boom Scenario (~7ppd, Woods and Poole Inc.)
Current Disposal Rate Scenario (~ 4.7ppd)



Waste Flows

Top 3 Counties that **Generated** Waste Landfilled in California

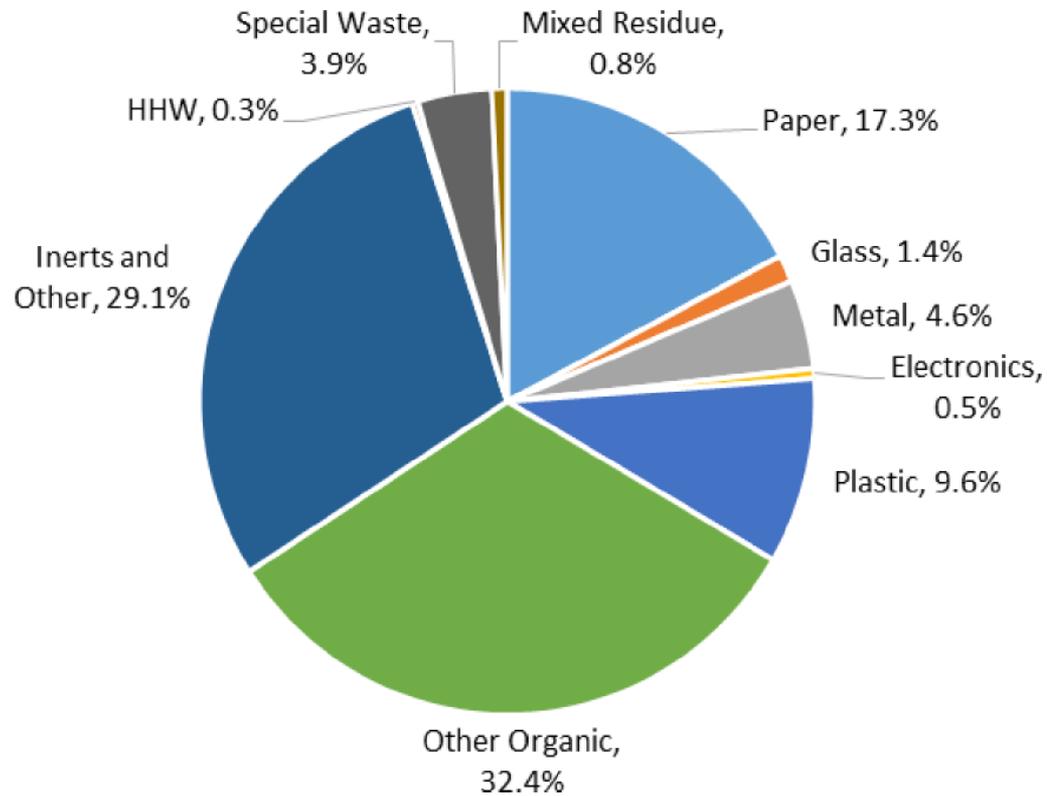
| County | Solid Waste Generation (Tons) | Percent of Statewide Landfilled Waste | Percent of State Population |
|-------------|-------------------------------|---------------------------------------|-----------------------------|
| Los Angeles | 8,266,415 | 27.4% | 26.2% |
| San Diego | 3,007,351 | 10.0% | 8.3% |
| Orange | 2,757,703 | 9.1% | 8.1% |

Top 3 Counties that **Disposed** Waste

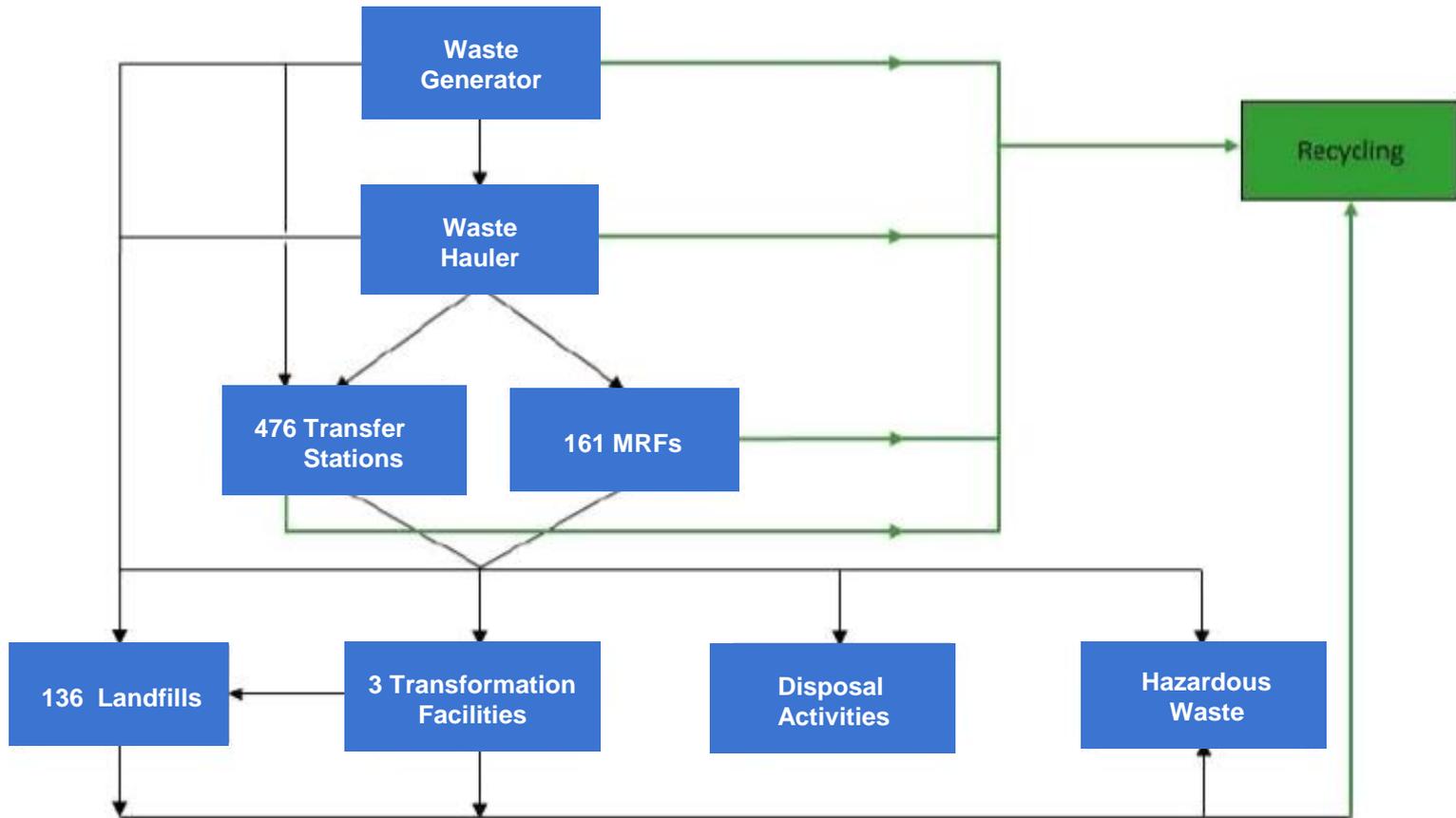
| County | Landfilled Waste (Tons) | Percent of Statewide Landfilled Waste | Percent of State Population |
|-------------|-------------------------|---------------------------------------|-----------------------------|
| Los Angeles | 6,335,810 | 21.1% | 26.2% |
| Orange | 3,604,575 | 12.0% | 8.1% |
| Riverside | 3,201,826 | 10.7% | 5.9% |



Composition of Statewide Disposal

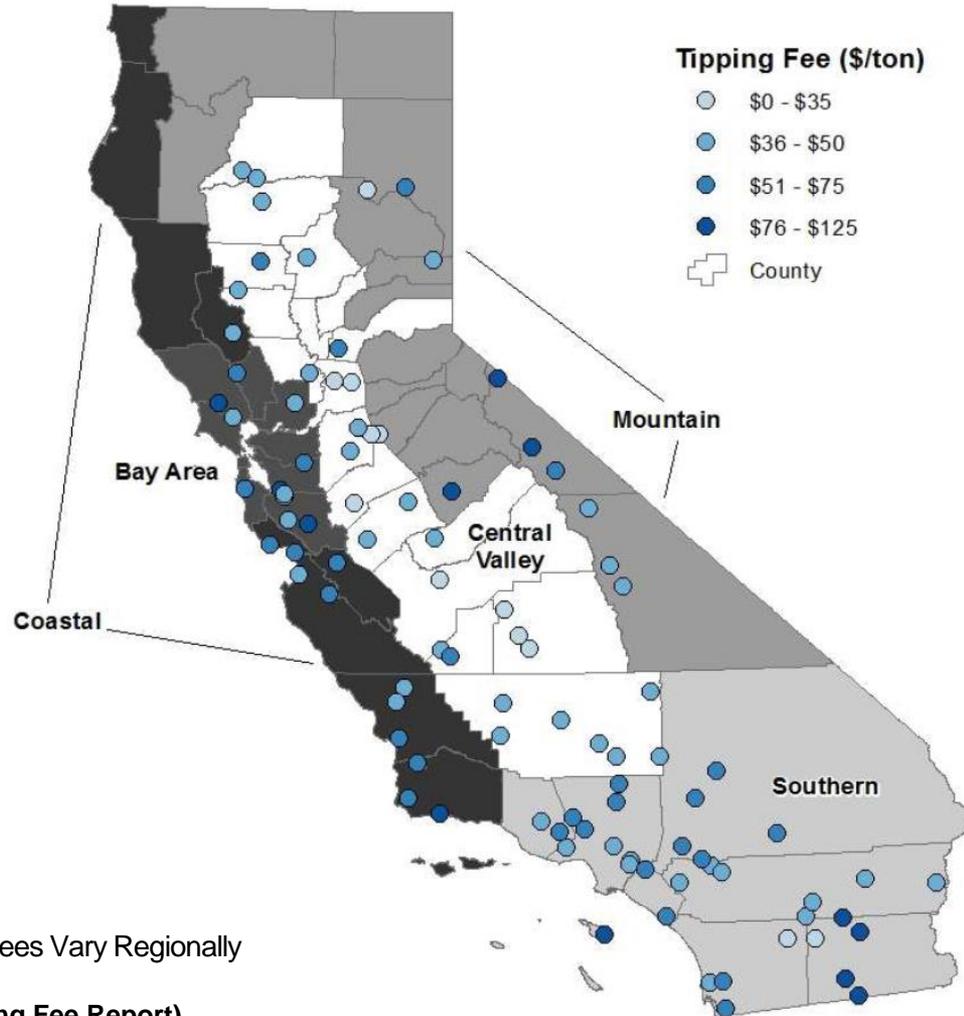


Disposal Flows and Facilities



Landfill Fees

Tipping Fees



- Publically Posted Tipping Fees Vary Regionally

(Data from CalRecycle Tipping Fee Report)

Summary

- Statewide Disposal and Diversion Rates
- Disposal Scenarios and Projected Landfill Capacities
- Waste Characterization
- Waste Flows



Thank You







AB 939 - Per Capita Disposal System (Statewide and Countywide)

| Year | Statewide Generation (Million Tons) | Statewide Population (Million) | Statewide Per Capita Generation* (lbs./per./day) |
|------|--|--------------------------------------|--|
| 2003 | 75.85 | 35.53 | 11.7 |

| | |
|--|-------------|
| Average Total Per Capita Generation (2003 thru 2006) | 12.6 |
| Per Capita Disposal Target Under AB 939 (50% mandate) | 6.3 |

| Year | Countywide** Generation (Million Tons) | Countywide Population (Million) | Countywide Per Capita Generation* (lbs./per./day) |
|------|--|---------------------------------------|---|
| 2003 | 22.80 | 9.77 | 12.79 |

| | |
|--|--------------|
| Average Total Per Capita Generation (2003 thru 2006) | 14.51 |
| Per Capita Disposal Target Under AB 939 (50% mandate) | 7.26 |

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

** Source Los Angeles County Department of Public Works

AB 341 - New Method (Statewide and Countywide)

| Year | Statewide Generation (Million Tons) | Statewide Population (Million) | Statewide Per Capita Generation* (lbs./per./day) |
|--|--|--------------------------------------|--|
| 1990 | 49 | 30.06 | 9 |
| Average Total Per Capita Generation (1990 thru 2010) | | | 10.7 |
| Per Capita Disposal Target Under AB 341 (75% recycling goal) | | | 2.7 |

| Year | Countywide** Generation (Million Tons) | Countywide Population (Million) | Countywide Per Capita Generation* (lbs./per./day) |
|--|--|---------------------------------------|---|
| 2000 | 23.5 | 9.54 | 13.51 |
| Average Total Per Capita Generation (2000 thru 2010) | | | 14.14 |
| Per Capita Disposal Target Under AB 341 (75% recycling goal) | | | 3.5 |

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

** Source Los Angeles County Department of Public Works