

**SCVURPPP  
Landscape IPM  
Workshop  
May 25, 2021**

**Remediating Landscapes with  
Compost to Reduce Herbicide Use**

# SB 1383

- 2016 - establishes methane emissions reduction targets in a statewide effort to reduce emissions of short-lived climate pollutants (SLCP). Regulations finalized in 2020.
- Establishes targets to achieve:
  - 50% percent reduction by 2020 of statewide landfilling of organic waste (over 2014 levels)
  - 75% reduction by 2025
  - 20% of edible food is recovered for human consumption by 2025.

# Procurement Requirement

- Beginning January 1, 2022, SB 1383 requires cities and counties to procure annually a quantity of recovered organic waste products.
- CalRecycle has assigned an annual procurement target to each jurisdiction based on its population. Jurisdictions can fulfill their target by procuring any combination of the following recovered organic waste products:
  - Compost (.08 tons/capita x 0.58 conversion factor)
  - Mulch (.08 tons/capita)
  - Renewable Energy (Transportation Fuel, Heat, and Electricity) from Anaerobic Digestion and Electricity from Biomass Conversion (Various calculations)

# Procurement Requirement: Example Uses

Seven Environmental Management Categories from CalRecycle's Compost & Mulch Use Toolbox:

- Bioremediation of Contaminated Soil - Use compost & mulch on contaminated sites
- Carbon Sequestration - Use compost & mulch on agricultural lands
- Erosion Control - Use compost & mulch-based BMPs on construction sites
- Fire Remediation - Use compost & mulch on burned sites
- Healthy Soils/IPM - Use compost & mulch on all landscapes
- Stormwater Management - LID & Green Infrastructure - Use Biotreatment Soil Media and mulch
- Water Conservation - Use compost and mulch on all landscapes

# Examples of Compost and Mulch Use

Projects and Organizations  
that have successfully used  
Compost and Mulch to Reduce the  
Use of Herbicides

# Caltrans Experience with Compost to Restore Existing Landscapes

# Restoration

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Before

# Restoration

Compost Incorporation: 4" of compost in top 12" of soil



After Compost  
Incorporation

# Restoration

## Compost Incorporation

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# Restoration

## Compost Incorporation



Before

After

# Invasive Weed Suppression

## Compost Incorporation



Compost



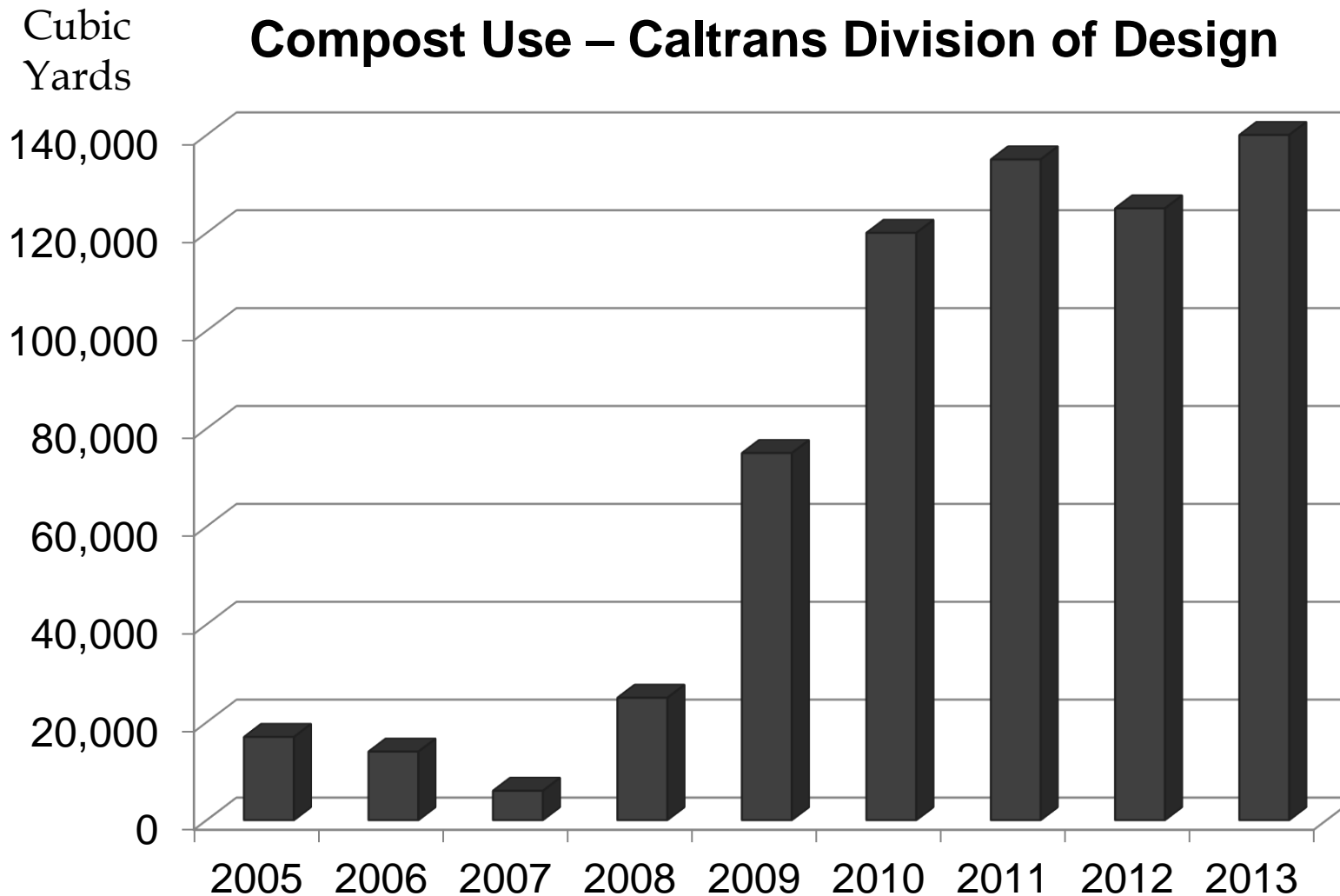
Herbicide

# Invasive Weed Suppression

## Compost Incorporation



# Compost Use Trends



Over 540% increase in use from 2008 to 2013. It was level from 2013 to 2016.

# Compost Use in Stormwater Landscapes

The landscape can be a  
**GREEN FILTER**



filtering pollution as the rainwater slowly sinks into the ground.

or a  
**GRAY FUNNEL**



allowing pollution and toxins to be washed into our waterways.







# Compost and Mulch in Maintenance of LID Systems



# ReScape California













Compost

25

County of San Mateo



Mulch

26

County of San Mateo

# More Information

- [www.calrecycle.ca.gov/organics/slcp/procurement](http://www.calrecycle.ca.gov/organics/slcp/procurement)
- [www.calrecycle.ca.gov/organics/compostmulch/toolbox](http://www.calrecycle.ca.gov/organics/compostmulch/toolbox)
- [www.calrecycle.ca.gov/organics/compostmulch/toolbox/compostsock](http://www.calrecycle.ca.gov/organics/compostmulch/toolbox/compostsock)
- <https://ilsr.org/rule/compost-procurement/>
- [www.rescapeca.org](http://www.rescapeca.org)



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