SMCWPP Construction Site Inspection Workshop March 16, 2021

Municipal Organic Material: Procurement Requirements Policy, Specification and Use





SB 1383

- 2016 establishes methane emissions reduction targets in a statewide effort to reduce emissions of short-lived climate pollutants (SLCP).
- 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 Use compost/mulch to restore soils on sites with invasive or non-native plants
- Stormwater Management-LID & Green Infrastructure Use Biotreatment Soil Media and Mulch
- Water Conservation Use Compost and Mulch on all landscapes





Construction Site Use

- Municipal Capital Improvement Program projects
 - Direct purchase of erosion and sediment control compost BMPs
 - Require contractor to use erosion and sediment control compost BMPs
 - Final vegetation/Bioretention areas use compost and mulch





Example Compost-Based BMPs

Socks

- Slope interruption and Inlet protection
- Berms
- Blankets
- Temporary vegetated cover
- Final vegetated areas
 - Compost incorporation into soil and Mulch on exposed soil
- Permanent stormwater measures LID





Examples of Compost and Mulch Use

Projects and Organizations that have successfully used Compost and Mulch



Compost Berms and Blankets

























Compost Socks











































Incorporating Compost into existing Landscapes





Compost Incorporation



Before









Compost Incorporation



After Compost Incorporation







Compost Incorporation



Two Years Later







Compost Incorporation









EOA

Invasive Weed Suppression

Compost Incorporation











Herbicide

Invasive Weed Suppression

Compost Incorporation









Compost in Stormwater Landscapes













Compost and mulch in Maintenance of LID Systems





ReScape California

Use compost and mulch in stormwater bioretention areas

































More Information

- www.calrecycle.ca.gov/organics/slcp/procurement
- www.calrecycle.ca.gov/organics/compostmulch/toolbox
- www.calrecycle.ca.gov/organics/compostmulch/toolbox/compostsock
- https://ilsr.org/rule/compost-procurement/







Contact Info: Peter Schultze-Allen Senior Scientist pschultze-allen@eoainc.com



