



Stormwater Trash Capture

Public Works Department

City Council
October 24, 2017

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BACKGROUND

1. April 7, 2015 – State Water Board adopted the 'Trash Amendments'
2. Goal: Fully capture trash from Priority Land Uses by 2030
3. Regional Board Order to select method of compliance by November 22, 2017
4. August 22, 2017 – Council directed this issue to the Utility Services/Land Use/Energy Development Committee
5. September 11, 2017 - Utility Services/Land Use/Energy Development Committee recommended selection of Track 2 as the City's method of compliance for the Trash Amendments

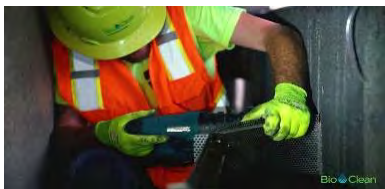


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TRACK 1

1. Install, operate, and maintain Full Capture Systems in Priority Land Use areas
2. 10% a year for 10 years
3. Defined level of effort



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EXAMPLES OF FULL CAPTURE SYSTEMS

1. Smaller (Inlet-based) Devices
 - a. Connector Pipe Screens
 - b. Inlet Filters



2. Larger (High Flow Capacity) Devices
 - a. Hydrodynamic Separators
 - b. Gross Solid Removal Devices
 - c. Netting Devices



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PILOT PROJECT IN RIVERSIDE



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TRACK 2 (RECOMMENDED)

1. Combination of Full Capture Systems, multi-benefit projects, institutional controls, and/or other treatment controls
2. Program Flexibility
3. Full Capture System Equivalency
4. Up front costs estimated to be lower; long term cost of monitoring and compliance uncertain
5. Develop and submit implementation plan by November 30, 2018



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NEXT STEPS

1. Regular updates to the Utility Services/Land Use/Energy Development Committee
 - a. Information on sources and causes of trash/litter
 - b. Pilot project results
 - c. Options for large scale capture devices and multi-benefit projects
 - d. Evaluation of trash control program options
 - e. Draft Implementation Plan
 - f. Information on potential funding sources
2. Present final implementation plan to the City Council by November 2018



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RECOMMENDATIONS

That the City Council:

1. Select Track 2 as the method for the City to comply with State Water Resources Control Board requirement to comply with the State Trash Amendments;
2. Authorize the City Manager, or his designee, to notify the Santa Ana Regional Water Quality Control Board of the City's selected method of compliance; and
3. Refer the development of the plan for Track 2 to Land Use Committee for regular updates per the time-line outlined in this report.



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