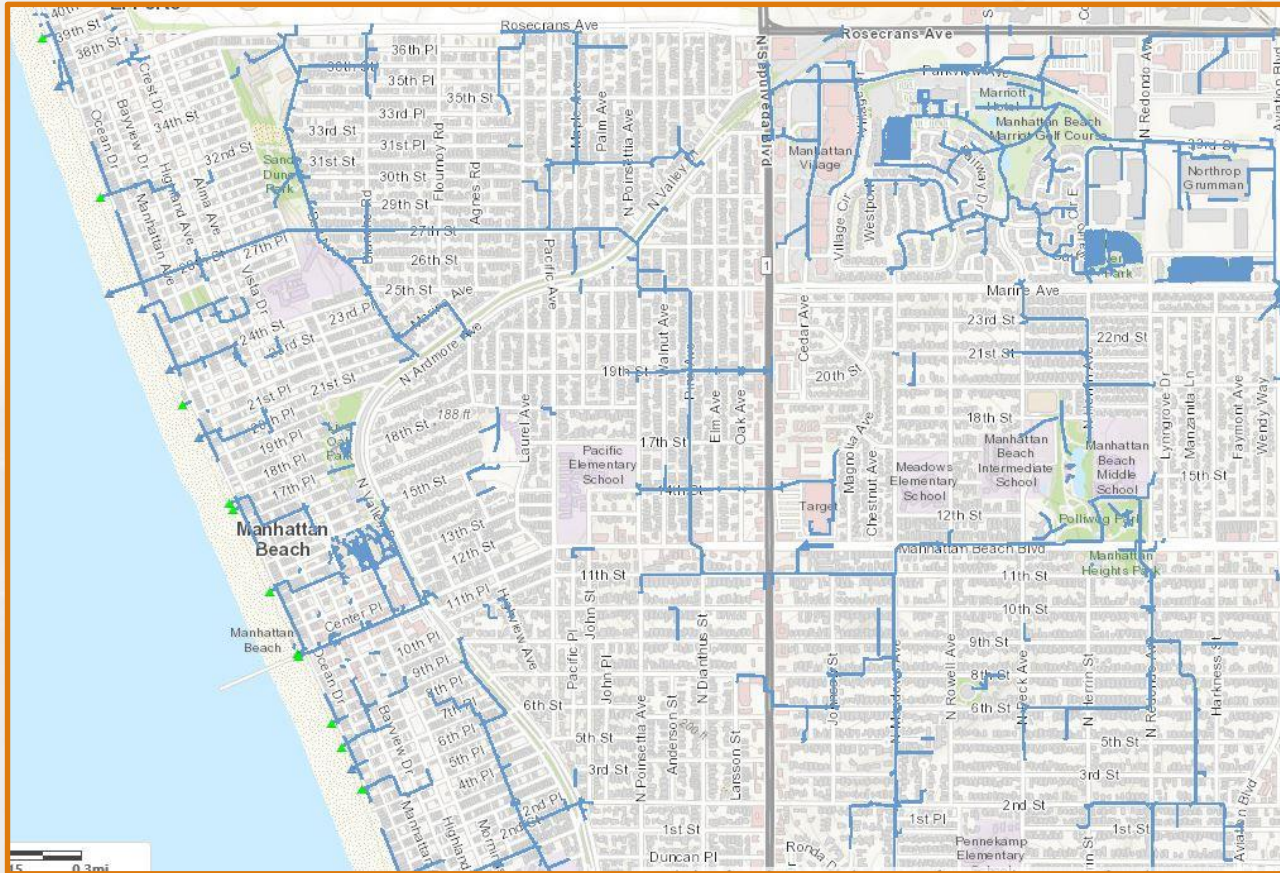


Storm Water Program



Clean Water Act



In 1972, Congress amended the Federal Water Pollution Control Act (otherwise known as the Clean Water Act) to prohibit the discharge of any pollutant to waters of the United States from a point source unless the discharge is authorized by a National Pollutant Discharge Elimination System (NPDES) permit.

Clean Water Act



The 1987 amendments to the Clean Water Act defined urban storm water runoff into surface waters as a point source discharge of pollutants, subject to following NPDES permits:

- Industrial General Permits
- Construction General Permits
- Linear Underground Permit (LUP)
- **Municipal Separate Storm Sewer System (MS4) permits**

Regulatory Authority

Federal: EPA

Environmental Protection Agency

State: SWRCB

State Water Resource Control
Board

Regional: RWQCB

Regional Water Quality Control Board
and their local storm water oversight authority

Local: Manhattan Beach Municipal Code



Regional Board Permits

- ▶ Previous permits adopted in 1996 and 2001
- ▶ Four Amendments to 2001 permit from 2006-2010
- ▶ Current Permit adopted in 2012

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION**

320 West 4th Street, Suite 200, Los Angeles, CA 90013
(213) 576-6800 • Fax (213) 576-6886
<http://www.waterboards.ca.gov/losangeles>

**ORDER NO. R4-2012-0175-A01
AMENDING**

**ORDER NO. R4-2012-0175 as amended by State Water Board Order WQ 2015-0075
NPDES PERMIT NO. CA5004001**

**WASTE DISCHARGE REQUIREMENTS FOR MUNICIPAL SEPARATE
STORM SEWER SYSTEM (MS4) DISCHARGES WITHIN THE COASTAL
WATERSHEDS OF LOS ANGELES COUNTY, EXCEPT THOSE DISCHARGES
ORIGINATING FROM THE CITY OF LONG BEACH MS4**

The California Regional Water Quality Control Board, Los Angeles Region (hereinafter Regional Water Board) finds:

1. On November 8, 2012, the Regional Water Board adopted Order No. R4-2012-0175, *Waste Discharge Requirements for Municipal Separate Storm Sewer System (MS4) Discharges within the Coastal Watersheds of Los Angeles County, Except those Discharges Originating from the City of Long Beach MS4* (hereinafter LA County MS4 Permit). The LA County MS4 Permit was subsequently amended by the State Water Resources Control Board (State Water Board) on June 16, 2015 by Order WQ 2015-0075.
2. The LA County MS4 Permit includes Total Maximum Daily Load (TMDL) provisions designed to ensure that permittees achieve waste load allocations (WLAS) and meet other requirements of TMDLs covering receiving waters impacted by the permittees' MS4 discharges.
3. Among the TMDL provisions in the LA County MS4 Permit are provisions pertaining to the Los Angeles River Watershed Trash TMDL and the Ballona Creek Watershed Trash TMDL, including applicable water quality-based effluent limitations for trash, compliance options that permittees may use to achieve compliance with the effluent limitations for trash, and monitoring and reporting requirements related to the effluent limitations for trash. For the Ballona Creek Watershed Trash TMDL, permittees must comply with the final water quality-based effluent limitations of zero trash discharged to Ballona Creek by September 30, 2015 and every year thereafter. For the Los Angeles River Watershed Trash TMDL, permittees must comply with the final water quality-based effluent limitation of zero trash discharged to the Los Angeles River by September 30, 2015 and every year thereafter.
4. On June 11, 2015, the Regional Water Board adopted Resolution No. R15-006, an amendment to the Water Quality Control Plan for the Los Angeles Region (Basin Plan) to revise the Los Angeles River Watershed Trash TMDL and the Ballona Creek Watershed

2012 Permit Focus

Three fundamental elements:

- i. Effectively prohibit non-storm water discharges through the MS4;
- ii. Implementation of controls to reduce the discharge of pollutants to the maximum extent practicable; and
- iii. Other provisions the Regional Water Board has determined appropriate for the control of such pollutants.

Permit Compliance Categories

Discharge prohibitions

Effluent and Receiving Water Limitations

Standard Provisions

Monitoring and Reporting

Watershed Mgmt Program and Annual Assessment

Minimum Control Measures

Total Maximum Daily Loads (TMDLs)



Storm Drain System Upgrades and Repairs

2013: City Completed a Storm Water System Conditional Assessment

- 14.5 miles of pipe inspected
- Segments were rated on a scale from 1-5, 5 being the worst
- Creation of a 10-year repair and replacement program



Capital Improvement Projects

- ▶ Storm Drain Debris Collection
- ▶ Storm Drain Repairs
- ▶ Infiltration project along the beach
- ▶ Distributed green streets



Internal and External Expenditures

TOTAL: \$1,805,313

Internal Expenditures:

\$529,715

- \$281,357 Staff Resources (direct implementation and project oversight)
- \$248,358 Internal Charges (admin, software, pumps, motors)

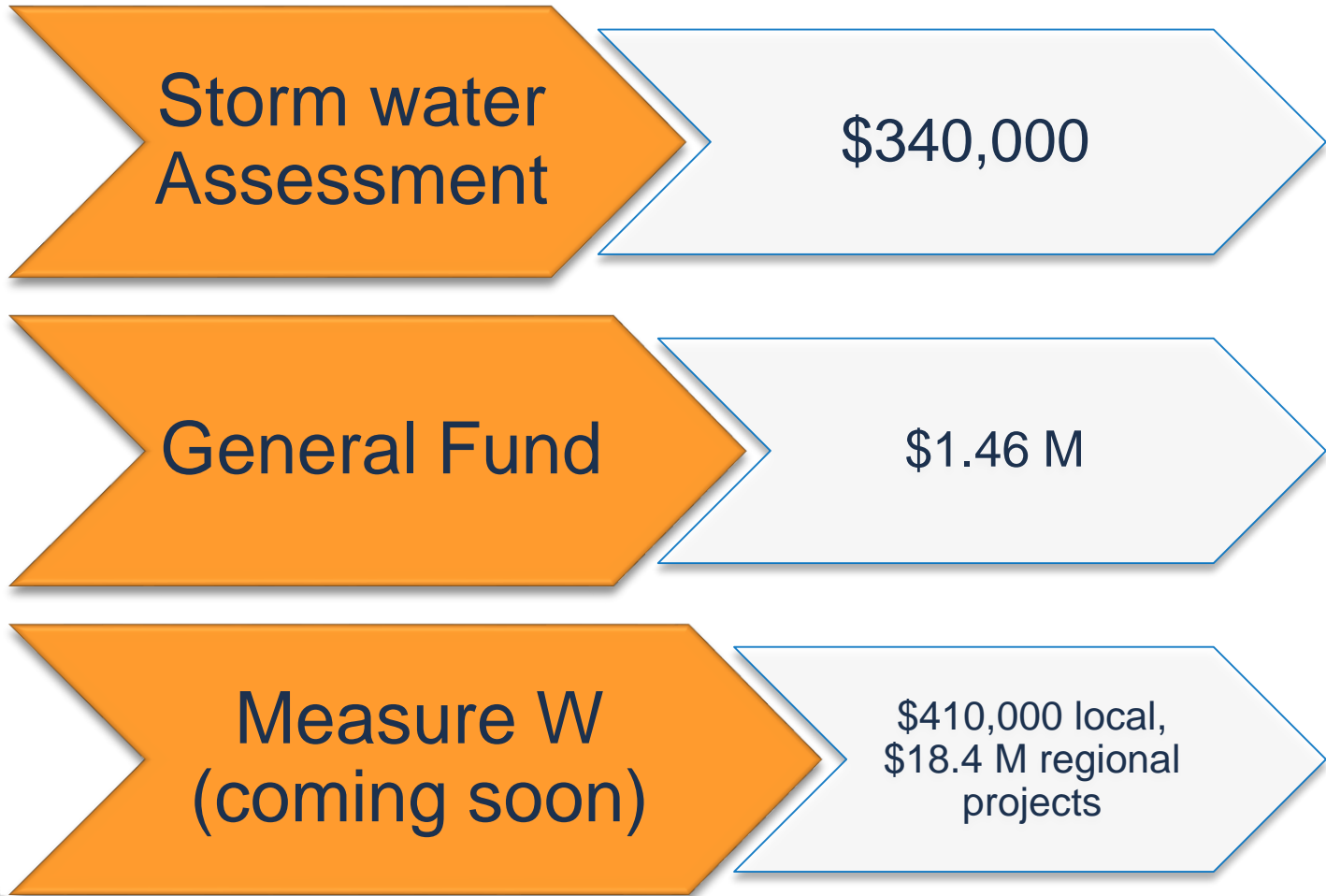
External Expenditures:

\$1,275,598

- \$378,000 Street Sweeping
- \$89,918 Storm Water Monitoring
- \$710,000 CIP Projects
- \$97,680 Various Consultant Services



Funding Sources



Overarching Goal of Storm Water Permit: Reduce Pollution in our Waterbodies

The image is a composite of two parts. On the left is a map of Manhattan Beach, California, showing the coastline and various streets. Three water quality grades are overlaid on the map: 'A+' with a smiley face icon near the northern end, 'Good' with a 'WJ+' icon in the middle, and 'A+' with a smiley face icon near the southern end. On the right is a screenshot of the 'Beach Report Card' website. The website has a search bar at the top and a navigation menu with 'All', 'NowCast', 'Grades', and 'Alerts'. Below the menu are four featured cards:

- Manhattan Beach** projection of 28th: NowCast: Good, 6 hours ago. Includes a 'WJ+' icon.
- El Porto Beach** projection of 40th: Grade: A+, 4 days ago. Includes a smiley face icon.
- Manhattan Beach at the pier**: Grade: A+, 4 days ago. Includes a smiley face icon.
- Don't Get Seasick**: FUND OUR WORK. Includes a 'FUND OUR WORK' button.

 At the bottom of the website screenshot is a blue bar with the heading 'California Beach Water Quality:' followed by a list of other beach water quality reports: El Porto Beach, El Segundo Beach, Huntington Beach, San Francisco Beach, San Jose Beach, and Santa Barbara Beach.