

Marina del Rey EWMP Overview

TJ Moon

County of Los Angeles

on behalf of the Marina del Rey EWMP Agencies



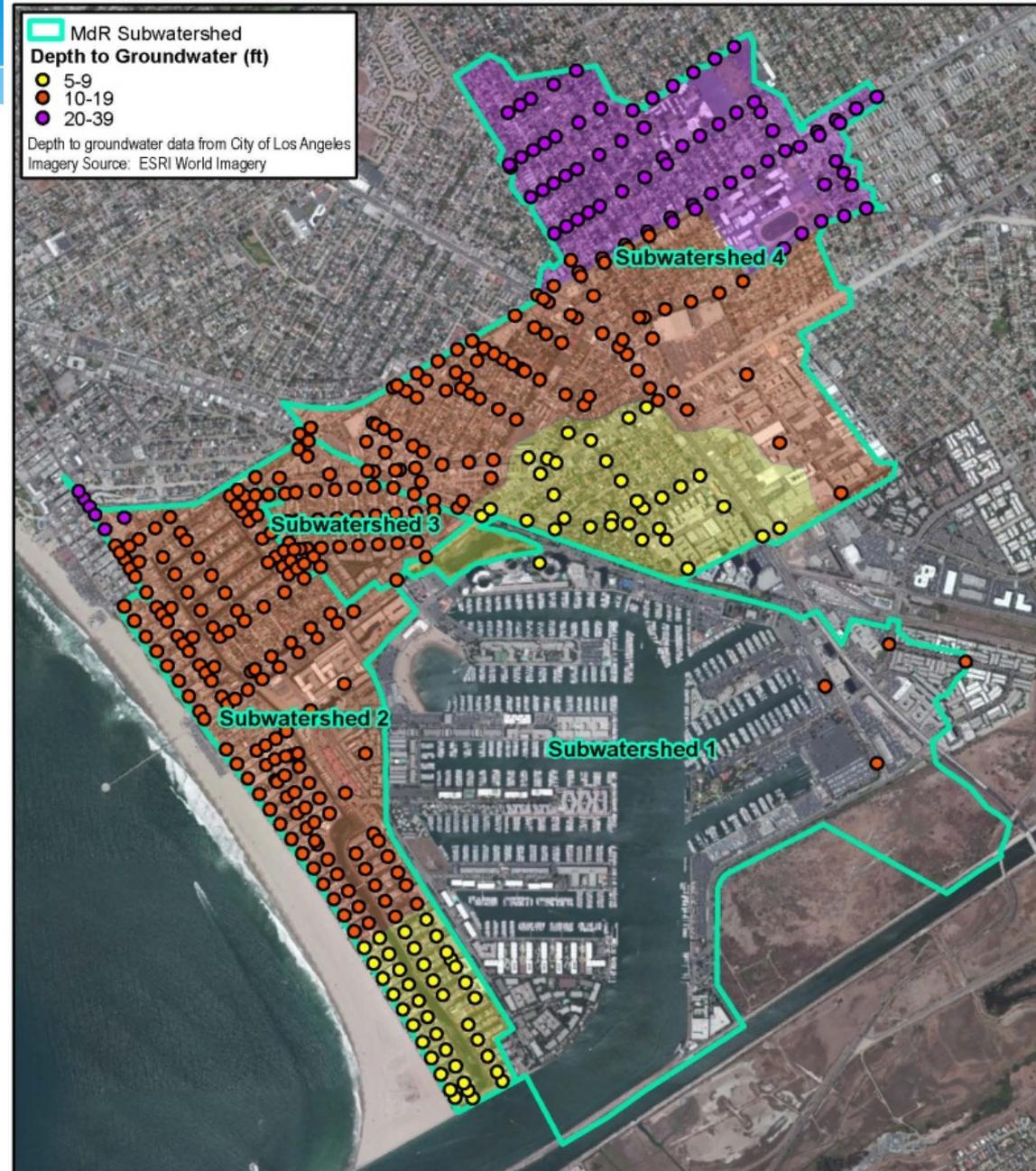
Marina del Rey Watershed

- 1,409 Acres
 - 4 Sub-watersheds
- Land Uses:
 - Residential 44%
 - Industrial/Commercial 21%
 - Transportation 21%
 - Vacant 0.5%



Unique Challenges

- TMDL Compliance Schedule
 - Toxics (2018)
 - Bacteria (2021)
- High Groundwater Table
- Dense Urban Area



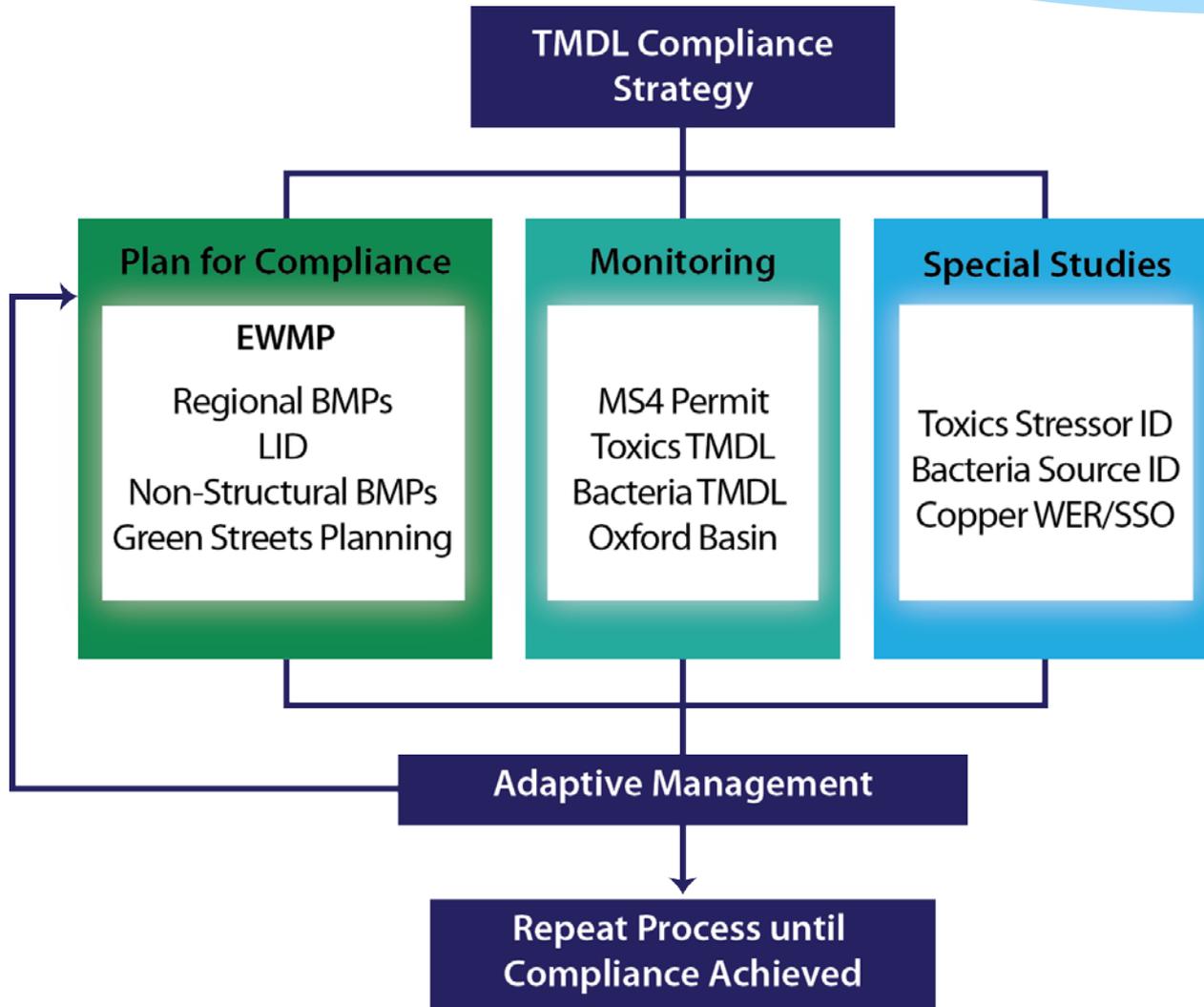
Watershed Priorities

- Toxics TMDL
 - Metals
 - Copper
 - Zinc*
 - Lead
 - Organics
 - DDT/DDE
 - PCB
 - Chlordane
- Bacteria TMDL

*controlling pollutant



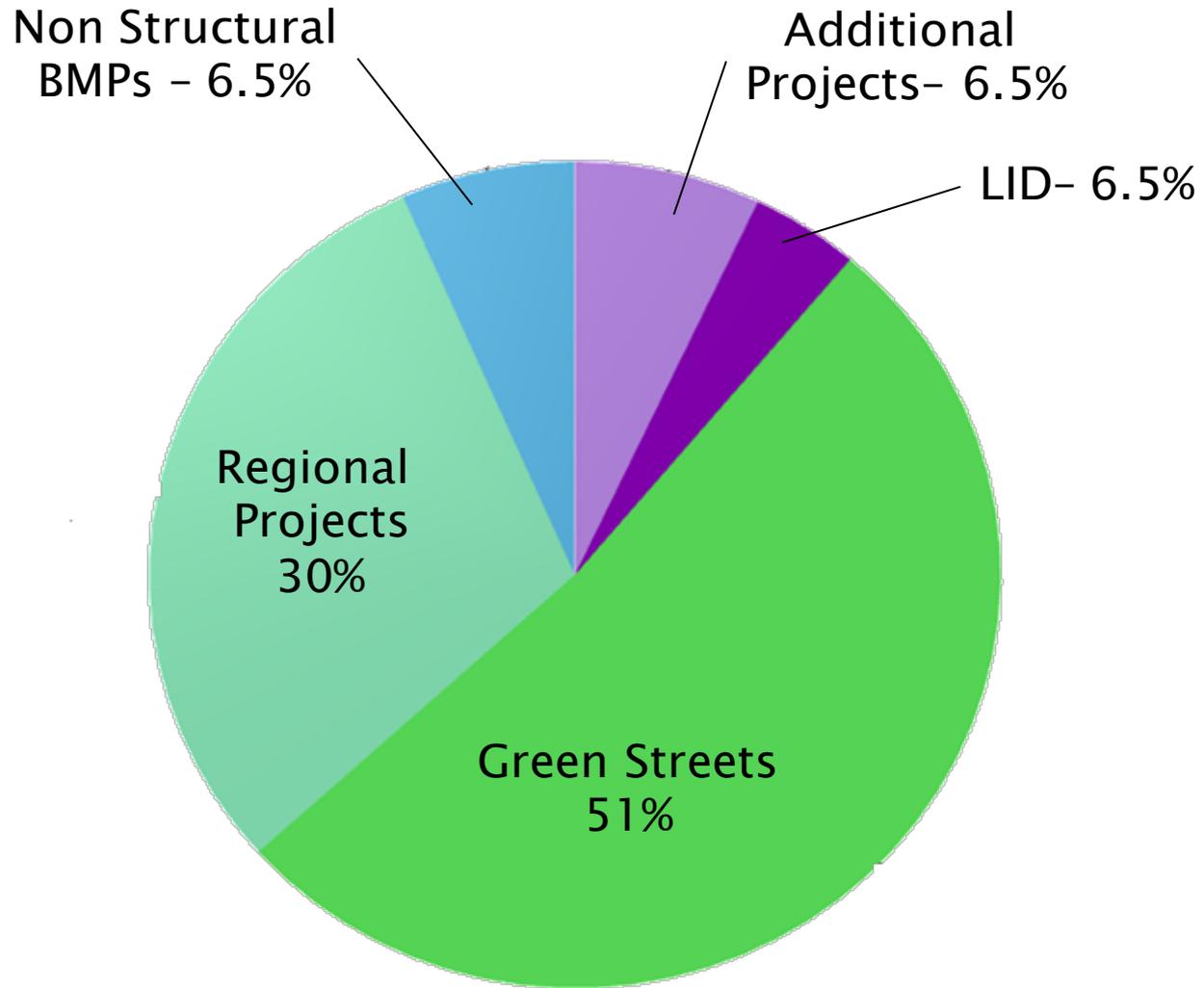
TMDL Compliance Strategy



Required Load Reduction

Parameter	1A Back Basins	1B Front Basins	3 Boone Olive	4 Oxford Basin	Total
Total Tributary Area (acres)	104	264	70	646	1085
Total Volume to be Mitigated (ac-ft)	72	172	45	370	658
Target Load Reduction	96.6%	95.5%	87.4%	95.4%	95.30%

BMP Compliance Solution

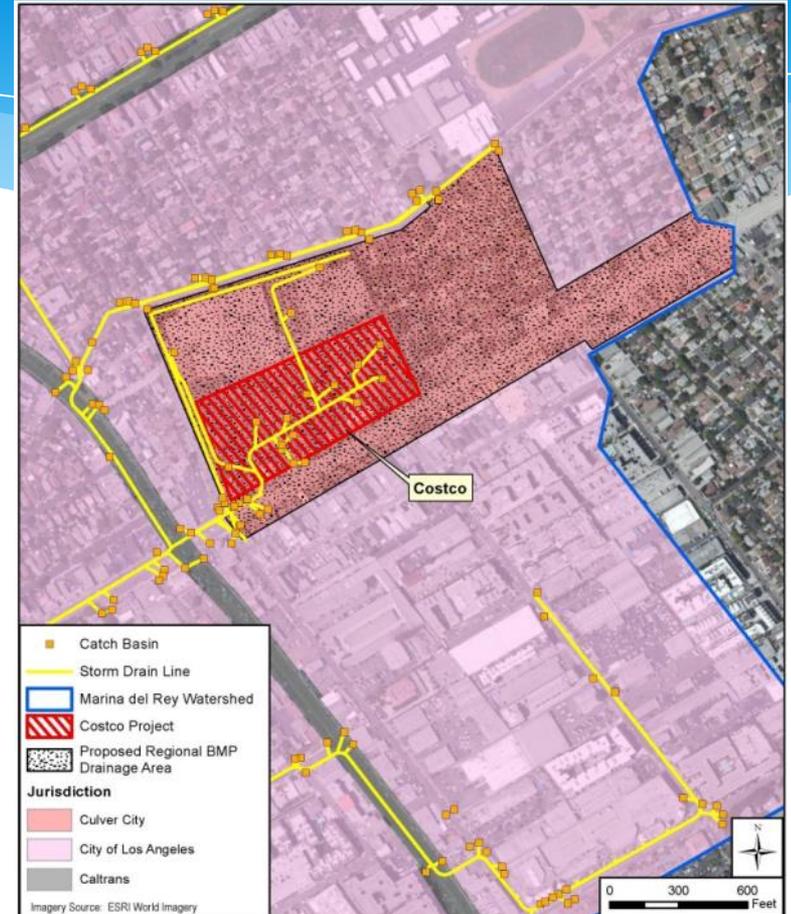


Regional Projects



Costco Project

- Culver City – Costco partnership
- Capture 100% of 85th Percentile event from 42 acres (all of Culver City)



Distributed Regional BMPs

Distributed Green Streets

- Venice Neighborhood Project



Early Action Project – Parking Lot Projects



Projects completed on September 2014

Financial Strategy

- **Marina del Rey**

- \$40 Million already spent on monitoring, studies, and projects
- \$1.5 Million/year for proposed CIMP costs
- \$0.5 Million for development of EWMP and CIMP

- **Grants**

- Prop 1 Water Bond
- IRWMP
- USEPA 319 Grants
- Clean Beaches Initiative

- **Fees**

- Local Stormwater Fees
- Sales Tax

- **Legislative**

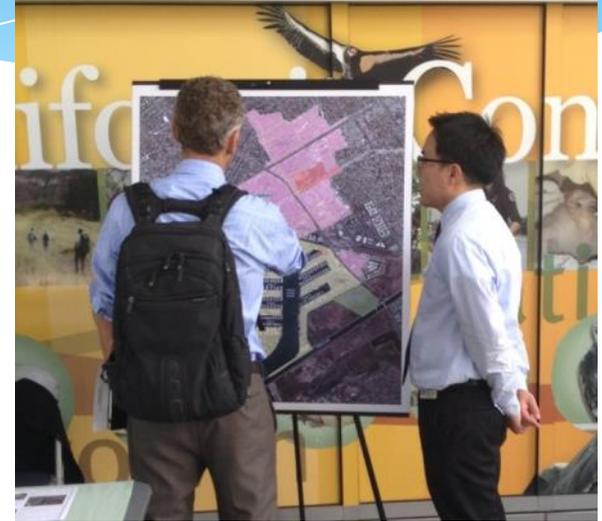
- Source Control (i.e. SB 346)

- **General Funds**

Stakeholder Meetings

L.A. Zoo

- * March 19, 2015
- * November 20, 2014
- * April 10, 2014



Elected Official Support

Agency	Board/Council Approval Date
Los Angeles	June 16, 2015
Culver City	June 8, 2015
County of LA	May 26, 2015
LACFCD	May 26, 2015



Program Environmental Impact Report

- Development of Website – LACoH2Osheds.com
- 9 Public Outreach Meetings throughout County
- 6 Council of Governments presentations
- Press Releases/Twitter Announcements
- Newspaper publications

ENHANCED WATERSHED MANAGEMENT PROGRAMS
Program EIR



What should we do about water?

Come to a public meeting

Tuesday, February 10, 2015
6:00- 8:00 PM
Topanga Library
122 N. Topanga Canyon Blvd.,
Topanga, CA 90290

Wednesday, February 11, 2015
6:00- 8:00 PM
Hacienda Heights Community Center
1234 Valencia Avenue,
Hacienda Heights CA 91745

Tuesday, February 17, 2015
6:00- 8:00 PM
East Los Angeles Library
4837 East 3rd Street,
Los Angeles, CA 90022

We're developing new programs that will clean up the water in our rivers, lakes and coastal waters—and increase our local water supplies.

Rainwater and urban runoff pick up bacteria, trash, toxins and other pollutants before they flow into our waterways and the ocean. Instead, we can capture, naturally cleanse and use that water to recharge our underground drinking water sources. The County has developed a draft environmental study of these multi-benefit programs and we'd like your thoughts and advice.

The Los Angeles County Department of Public Works covers the Los Angeles County Flood Control District, which is charged with flood protection, stormwater cleanup and enhancing non-point water quality through Best Management Practices (BMPs).

COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
300 S. Fremont Avenue, Alhambra CA 91803 | www.LACoH2Osheds.com



Conclusion

Questions? Email:
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Library Parking Lot



Costco

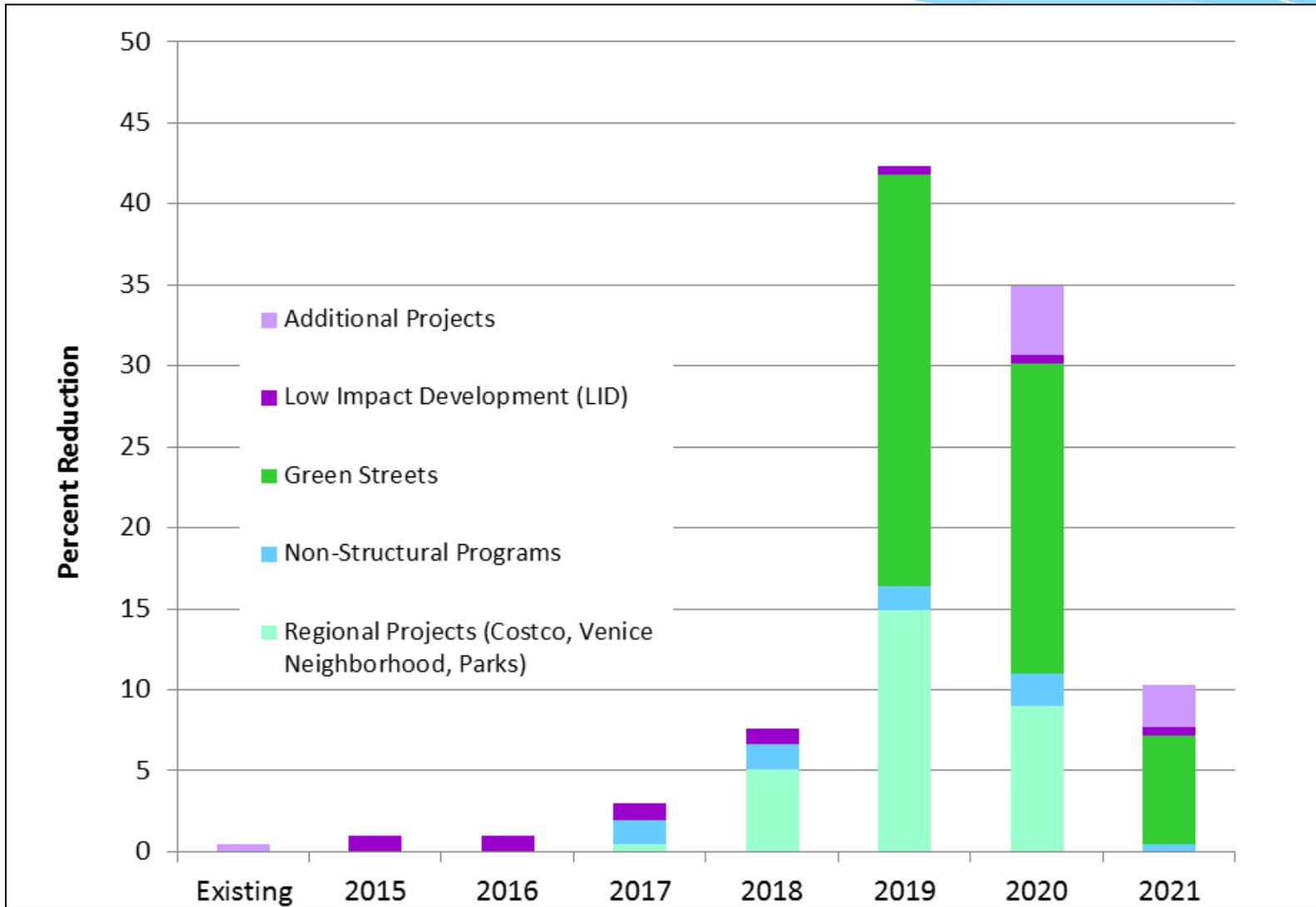


Oxford Basin

Estimated Implementation Costs

Agencies	Structural BMPs	Nonstructural BMPs	Operations & Maintenance	Total Cost
City of Los Angeles	\$249 M	\$3 M	\$32 M	\$284 M
County of Los Angeles	\$87 M	\$1 M	\$12 M	\$101 M
City of Culver City	\$7 M	\$0.1 M	\$0.9M	\$8 M
Total Cost (2015 dollars)	\$343 M	\$4.2 M	\$44 M	\$392 M

Implementation Schedule



Low Impact Development and Green Street Policy

Agency	LID Adoption Date	Green Street Policy Adoption Date
County	November 2013	June 2011
Los Angeles	October 2011	July 2011
Culver City	November 2014	November 2014