



BOARD COMMITTEE TRANSMITTAL

August 13, 2012

To: Members of the Board of Directors

From: *WK*
Wendy Knowles, Clerk of the Board

Subject: Measure M2 Environmental Cleanup Program – 2012 Tier 1
Water Quality Grant Funding Allocations

Regional Planning and Highways Committee Meeting of August 6, 2012

Present: Directors Bates, Cavecche, Crandall, Glaab, Hansen, Herzog,
and Nelson

Absent: Director Galloway

Committee Vote

This item was passed by the Members present.

Committee Recommendations

- A. Approve the Tier 1 programming recommendations for \$2,764,244 of Measure M2 Environmental Cleanup Program funding.
- B. Authorize the allocation of funds through the Comprehensive Transportation Funding Programs master funding agreement process for projects approved for programming.



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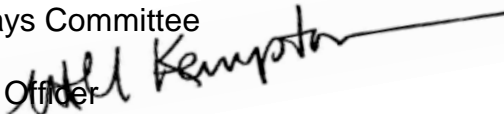
**Measure M2 Environmental Cleanup Program – 2012 Tier 1
Water Quality Grant Funding Allocations**

Staff Report



August 6, 2012

To: Regional Planning and Highways Committee

From: Will Kempton, Chief Executive Officer 

Subject: Measure M2 Environmental Cleanup Program – 2012 Tier 1 Water Quality Grant Funding Allocations

Overview

The Orange County Transportation Authority's Environmental Cleanup Program, Project X, provides for the allocation of two percent of annual Measure M2 revenues to improve overall water quality from transportation-generated pollution. The Orange County Transportation Authority issued the second annual Measure M2 Environmental Cleanup Program Tier 1 call for applications in February 2012. A priority list of Tier 1 projects for funding is presented for review and approval.

Recommendations

- A. Approve the Tier 1 programming recommendations for \$2,764,244 of Measure M2 Environmental Cleanup Program funding.
- B. Authorize the allocation of funds through the Comprehensive Transportation Funding Programs master funding agreement process for projects approved for programming.

Background

In May 2010, the Orange County Transportation Authority (OCTA) Board of Directors (Board) approved a two-tiered approach to fund the Measure M2 (M2) Environmental Cleanup Program, Project X. The funding plan called for up to \$19.5 million in Tier 1 grants on a "pay-as-you-go" basis through fiscal year (FY) 2017-18, and up to \$38 million in Tier 2 grants via bonding through FY 2014-15.

The Tier 1 Grant Program is designed to mitigate the more visible forms of pollutants, such as litter and debris, which collect on the roadways and in the catch basins (storm drains) prior to being deposited in waterways and the

ocean. It consists of grant funding for Orange County local governments to purchase equipment and upgrades for existing catch basins and other related best management practices (BMP). Examples include screens, filters, and inserts for catch basins, as well as other devices designed to remove the above mentioned pollutants. In August 2011, the Board approved funding of \$2,861,786 for the first Tier 1 Grant Program for 34 projects based on the scoring criteria.

The Tier 2 Grant Program consists of funding for regional, potentially multi-jurisdictional, capital-intensive projects. Examples could include, but are not limited to, constructed wetlands, detention/infiltration basins, and bioswales. These types of water quality projects mitigate pollutants such as heavy metals, organic chemicals, sediment, nutrients, and pathogenic material related to roadway runoff. In May 2012, the Board approved the Environmental Cleanup Program Tier 2 Comprehensive Transportation Funding Programs Guidelines and release of the first Tier 2 call for projects.

Discussion

OCTA issued the 2012 Tier 1 Call for Projects between February 21 and April 20, 2012. Staff received 50 applications from 26 cities and the County of Orange.

Review and evaluation of the 50 applications was conducted by OCTA staff and the Vice Chairman of the Environmental Cleanup Allocation Committee (ECAC).

The applications were ranked based on Board-approved criteria that included the following: (1) the highest priority project from each agency; (2) identification of the affected waterway and the pollutant(s) treated by the proposed BMP; (3) an operations and maintenance plan adequate to maintain the efficiency of the proposed BMP for regularly scheduled inspections, maintenance, and cleaning/disposal of pollutants; and (4) a clear and detailed work plan with a specific implementation period.

Upon scoring, the evaluation team recommended projects for funding based on total points earned. On June 28, 2012, the ECAC endorsed the recommendation to fund 33 projects.

The 33 Tier 1 proposals recommended for funding by the ECAC (Attachment A) generally include five types of projects. The number of projects in each category, along with a brief description of each project type, is provided below:

- 1) Automatic retractable screen and other debris screens or inserts (15 projects): screen or insert units prevent debris from entering the storm drain system.
- 2) Irrigation system retrofits to reduce runoff (ten projects): these projects decrease runoff from highway medians by using more efficient irrigation systems.
- 3) Continuous deflection separator (CDS) (six projects): CDS units divert runoff away from waterways and screen storm drain flows from trash and debris. CDS units screen, separate, and trap debris, sediment, oil, and grease from storm water runoff.
- 4) Runoff diversion (one project): allows for urban runoff to be diverted continuously during dry weather to the sewer system by remote operation.
- 5) Marina trash skimmer (one project): marina trash skimmers draw in floating debris, such as plastics, bottles, paper, oil sheen, and drift wood. The installation of marina trash skimmers is expected to reduce the amount of trash and debris reaching the open ocean.

These projects are designed to mitigate the more visible forms of pollutants (litter/debris) or reduce the amount of irrigation runoff from highway medians into local storm drain systems. Furthermore, these projects can be implemented relatively quickly, a key goal for the Tier 1 Grant Program. Local agencies must contribute a minimum match of 25 percent of the project cost. These matching funds can be provided by cash contributions and/or in-kind services such as the cost of maintenance and operations. Attachment B includes proposed projects not recommended for funding.

Between the first two Tier 1 calls for projects, nearly all of Orange County's 34 cities applied for funding except for Los Alamitos, Placentia, and Stanton. Staff will continue to reach out to all cities during future calls for projects, particularly the three cities which have not applied for funding to date.

Next Steps

Upon approval of recommendations by the Board, each local agency will be requested to execute a letter agreement under the master funding agreement approved by the OCTA Board in July 2011. Further, staff will continue to monitor project status and project delivery through the Comprehensive Transportation Funding Programs semi-annual review process.

The next Tier 1 call for projects is anticipated in early 2013. It is anticipated that approximately \$2.8 million will be available for the next call. In the interim, staff will continue to work with all local agencies to encourage participation in the program.

Fiscal Impact

This project was approved in OCTA's FY 2012-13 Budget, Planning Division, Account 0017-7831-MX001-T6S, and is funded with M2 funds.

Summary

Proposed programming recommendations for the Measure M2 Environmental Cleanup Program Tier 1 Water Quality Grant Program have been developed by staff and approved by the Environmental Cleanup Allocation Committee. Funding for 33 projects, totaling \$2,764,244, is proposed. Staff is seeking Board of Directors' approval to execute a letter of agreement with local jurisdictions to receive Measure M2 funds.

Attachments

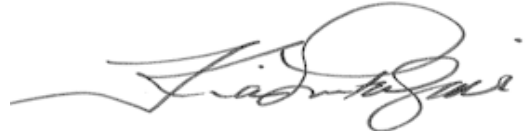
- A. 2012 OCTA Environmental Cleanup Program Tier 1 Call for Projects Funding Recommendations – Funded Projects List
- B. 2012 Environmental Cleanup Program Tier 1 Call for Projects – Unfunded Projects List

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**Measure M2 Environmental Cleanup Program – 2012 Tier 1
Water Quality Grant Funding Allocations**

Attachment A

**2012 OCTA Environmental Cleanup Program Tier 1 Call for Projects Funding Recommendations
Funded Projects List**

Agency	Project Title	Description	Cumulative Programming	Tier 1 Funding	Local Match	Total Project Cost	Score
1 Laguna Niguel	Runoff elimination for Crown Valley Parkway medians, Phase V (Camino del Avion and Cabot Road)	Irrigation system set back, irrigation equipment, and installation of curbside mowstrip	\$97,285	\$97,285	\$199,570	\$296,855	87.0
2 Tustin	Installation of automatic retractable screens (ARS) at multiple locations in Tustin	Purchase additional ARS to upgrade inserts with no screens	\$160,786	\$63,501	\$21,111	\$84,612	84.0
3 Garden Grove	Acacia Drip Irrigation Project, Phase I	Median Irrigation retrofit	\$260,786	\$100,000	\$68,750	\$168,750	82.5
4 Irvine	Campus Drive (University to Stanford) Irrigation Modification Project	Replace existing spray irrigation system with subsurface drip irrigation system	\$360,786	\$100,000	\$78,000	\$178,000	82.5
5 Newport Beach	Balboa Coves Litter Removal Project	Install a continuous deflection separators (CDS) unit	\$409,911	\$49,125	\$36,280	\$85,405	82.0
6 Costa Mesa	Broadway Street Improvements	Install Filterra units	\$509,911	\$100,000	\$57,340	\$157,340	81.0
7 Dana Point	Dana Point Golden Lantern Parkway Mitigation Project (Jeremiah/Priscilla)	Incorporate water-saving features, install weather based controllers	\$582,337	\$72,426	\$111,050	\$183,476	81.0
8 Mission Viejo	La Paz Road median island Runoff Prevention Project - Chrisanta Drive to Oso Creek Bridge	Replace existing overhead spray nozzles with drip irrigation emitters and bubblers	\$682,337	\$100,000	\$47,285	\$147,285	81.0
9 Lake Forest	ARS catch basin retrofit, Phase II	Retrofit catch basin with cleanscreen ARS	\$732,337	\$50,000	\$29,580	\$79,580	80.0
10 Santa Ana	Maple Street Storm Drain CDS Project	Installation of an off-line CDS	\$832,337	\$100,000	\$34,250	\$134,250	80.0
11 Seal Beach	Filter Inserts Installation Project	Installation of DrainPac filter inserts	\$843,037	\$10,700	\$3,600	\$14,300	80.0
12 Aliso Viejo	Storm Water Litter Control Project, Phase II	Installation of Bio Clean high capacity filter inserts on storm drain basins	\$940,807	\$97,770	\$32,684	\$130,454	79.0
13 Brea	Citywide Catch Basin Inserts Project 7524	Installation of Bio Clean curb inlet baskets and grate inlet skimmer boxes	\$1,040,807	\$100,000	\$138,815	\$238,815	79.0
14 County of Orange	Catch basin screens, Phase II	Retrofit catch basins with connector pipe screens	\$1,140,807	\$100,000	\$53,820	\$153,820	77.0
15 Laguna Hills	Laguna Hills Debris Gates Project	Install debris gates	\$1,211,157	\$70,350	\$24,682	\$95,032	77.0
16 City of Orange	Savi Storm Drain Installation Project	Install a CDS hydrodynamic separator in a 60-inch drain line	\$1,311,157	\$100,000	\$33,334	\$133,334	75.0
17 Huntington Beach	First Street Supervisory Control and Data Acquisition Project	Designing and installing runoff diversion system within an existing 12" storm drain pipe. A flow weir will also be constructed as part of the project	\$1,374,157	\$63,000	\$52,574	\$115,574	75.0

	Agency	Project Title	Description	Cumulative Programming	Tier 1 Funding	Local Match	Total Project Cost	Score
18	Villa Park	Catch basin debris screens installation - north	Procurement, installation, maintenance, and evaluation of round curb inlet filters	\$1,471,157	\$97,000	\$33,000	\$130,000	74.0
19	Anaheim	Curb face automatic retractable catch basin screens in Resort District	Stainless steel curb face screens attached to curb openings	\$1,570,907	\$99,750	\$33,250	\$133,000	73.0
20	Westminster	Dillow Street and Moran Street Filterra bioretention system installation	Installation of new Filterra bioretention systems	\$1,670,147	\$99,240	\$33,960	\$133,200	73.0
21	Buena Park	City of Buena Park Full Capture Installation Project	Retrofit catch basins with stainless steel full capture system, including ARS and connector pipe screen (CPS)	\$1,761,109	\$90,962	\$61,750	\$152,712	73.0
22	Yorba Linda	Yorba Linda Boulevard Irrigation renovation from 1,000 feet east of Village Center Drive to Paseo de Las Palomas	Replace irrigation system in median	\$1,834,204	\$73,095	\$24,365	\$97,460	71.0
23	Garden Grove	Stanford Drip Irrigation Project, Phase II (Priority 4)	Median irrigation retrofit	\$1,934,204	\$100,000	\$100,000	\$200,000	68.5
24	Garden Grove	Nelson Drip Irrigation Project	Median irrigation retrofit	\$2,034,204	\$100,000	\$112,500	\$212,500	68.5
25	Garden Grove	Stanford Drip Irrigation Project, Phase I	Median irrigation retrofit	\$2,134,204	\$100,000	\$84,375	\$184,375	68.0
26	La Palma	Installation of retractable catch basin screens and connector pipe screens	Installation of 97 ARS and 75 CPS	\$2,200,481	\$66,277	\$56,336	\$122,613	68.0
27	Fullerton	Catch Basin Debris Screen Project	Retrofit catch basins with ARS	\$2,250,464	\$49,983	\$53,940	\$103,923	68.0
28	Garden Grove	Acacia Drip Irrigation Project, Phase II	Median irrigation retrofit	\$2,350,464	\$100,000	\$71,875	\$171,875	67.5
29	Newport Beach	Newport Bay Marina Trash Skimmer Litter Removal Project	Install six trash skimmers	\$2,423,159	\$72,695	\$60,000	\$132,695	67.0
30	Newport Beach	Newport Dunes Litter Removal Project	Install a CDS unit	\$2,513,159	\$90,000	\$36,280	\$126,280	67.0
31	Newport Beach	Dover Drive Litter Removal Project	Install a CDS unit	\$2,602,409	\$89,250	\$36,280	\$125,530	67.0
32	Cypress	Automatic Retractable Screen Installation Priority Project 1	Installation of ARS	\$2,681,744	\$79,335	\$40,766	\$120,101	67.0
33	Newport Beach	Pelican Point Litter Removal Project	Install a CDS unit	\$2,764,244	\$82,500	\$36,280	\$118,780	67.0



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**Measure M2 Environmental Cleanup Program – 2012 Tier 1
Water Quality Grant Funding Allocations**

Attachment B

2012 OCTA Environmental Cleanup Program Tier 1 Call for Projects
Unfunded Projects List

	Agency	Project Title	Description	Cumulative Programming	Tier 1 Funding	Local Match	Total Project Cost	Score
34	Irvine	Campus Drive (Stanford Court to Culver Drive) Irrigation Modification Project	Replace an existing spray irrigation system with subsurface drip irrigation system	\$2,846,244	\$100,000	\$42,000	\$142,000	66.5
35	Mission Viejo	Alicia Parkway Median Island Runoff Prevention Project - Charlinda Drive to Coronel Drive (Segment 1)	Replace existing overhead spray nozzles with drip irrigation emitters and bubblers	\$2,946,244	\$100,000	\$52,609	\$152,609	66.0
36	Mission Viejo	Alicia Parkway Median Island Runoff Prevention Project - Colonel Drive to Olympiad Road (Segment 2)	Replace existing overhead spray nozzles with drip irrigation emitters and bubblers	\$3,041,782	\$95,538	\$47,285	\$142,823	66.0
37	Westminster	Westminster Village Park irrigation system modernization	Remove and replace all irrigation related pipes, valves, rotors, spray nozzles, installation of new smart controllers with sensors	\$3,139,022	\$97,240	\$48,420	\$145,660	66.0
38	Mission Viejo	Santa Margarita Parkway Median Island Runoff Prevention Project - Westerly city limit to easterly city limit	Replace existing overhead spray nozzles with drip irrigation emitters and bubblers	\$3,239,022	\$100,000	\$69,835	\$169,835	66.0
39	Dana Point	Dana Point Golden Lantern Median Mitigation Project (La Cresta Drive to Selva Road and Del Prado Avenue to Eastern Lantern Street)	Incorporate water-saving features, incorporate a two-foot pervious cobble surface buffer; re-grade to a surface to collect and infiltrate rain water, install weather based controller	\$3,338,949	\$99,927	\$62,455	\$162,382	64.0
40	Huntington Beach	Northwest Catch Basin Retrofit Project	Retrofit catch basins with ARS	\$3,438,949	\$100,000	\$224,750	\$324,750	64.0
41	Costa Mesa	Water Quality Best Management Practices (BMP) Installation Project	Install ARS	\$3,538,949	\$100,000	\$48,962	\$148,962	60.0
42	Santa Ana	Santa Ana Gardens Channel ARS and CPS Project	Retrofit catch basins with ARS and connector pipe screens	\$3,638,949	\$100,000	\$96,435	\$196,435	59.0
43	Villa Park	Catch basin debris screens installation - south	Procurement, installation, maintenance, and evaluation of round curb inlet filters	\$3,735,949	\$97,000	\$33,000	\$130,000	59.0
44	La Habra	Environmental Cleanup Program	Install 38 23" trash guards and 61 28" trash guards	\$3,792,080	\$56,131	\$18,711	\$74,842	58.0
45	Santa Ana	Greenville Banning Channel CDS Project	Installation of an off-line continuous deflection separator	\$3,892,080	\$100,000	\$34,250	\$134,250	57.0
46	Mission Viejo	Alicia Parkway Median Island Runoff Prevention Project - Olympiad Road to easterly city limits (Segment 3)	Replace existing overhead spray nozzles with drip irrigation emitters and bubblers	\$3,931,668	\$39,588	\$27,833	\$67,421	56.0
47	Yorba Linda	Paseo del Las Palomas irrigation renovation from Fairmont Boulevard to Vista del Mar	Replace irrigation system in median	\$3,981,148	\$49,480	\$6,495	\$55,975	56.0
48	Cypress	ARS Installation Priority Project 2	Installation of ARS	\$4,078,114	\$96,966	\$48,713	\$145,679	54.0
49	Cypress	ARS Installation Priority Project 3	Installation of ARS	\$4,176,253	\$98,139	\$44,873	\$143,012	54.0
50	Rancho Santa Margarita*	Storm Water Litter Control Project	Installation of Bio Clean high-capacity filter inserts on storm drain catch basins	\$4,260,470	\$84,217	\$28,117	\$112,334	77.0

* Application removed from consideration per City's request on 6/27/12