



AGENDA

Environmental Cleanup Allocation Committee

Committee Members

Garry Brown, Chair
Keith Linker, Vice Chair
Matt Collings, Moulton Niguel Water District
Peter Grant, City of Cypress
Jill Ingram, City of Seal Beach
Danny H. Kim, California State University, Fullerton
Lorrie Lausten, Trabuco Canyon Water District
Hector Salas, Caltrans District 12
Grant Sharp, OC Public Works
Jeff Thompson, Rancho Mission Viejo
Alex Waite, City of Tustin
Laurie Walsh, San Diego RWQCB
Dennis Wilberg, City of Mission Viejo
Maher Zaher, Santa Ana RWQCB

October 6, 2022 10:30 a.m.

Orange County Transportation Authority
550 S. Main Street, Conference Room 09
Orange, California

1. Welcome

2. Approval of May 12, 2022 Meeting Minutes

3. New Committee Members

Garry Brown, Chair

4. Tier 1 Programming Recommendations

Alison Army, OCTA

Action Recommendation:

Concur with the application review committee's finding and recommend approval to the Board of Directors approval to allocate \$3,120,217 in Tier 1 Environmental Cleanup Program funding for 13 projects.

5. Public Comments

6. Committee Member Reports

7. Next Meeting – February 9, 2023

Public Comments: The Agenda descriptions are intended to give notice to members of the public of a general summary of items of business to be transacted or discussed. Members from the public wishing to address the Committee will be recognized by the Chairman at the time the Agenda item is to be considered. A speaker's comments shall be limited to three (3) minutes. Any person with a disability who requires a modification or accommodation in order to participate in this meeting should contact the OCTA at (714) 560-5725, no less than two (2) business days prior to this meeting to enable OCTA to make reasonable arrangements to assure accessibility to this meeting.



Minutes

Measure M2 Environmental Cleanup Allocation Committee

Committee Members Present:

*Keith Linker, Vice Chair.
Peter Grant, City of Cypress
Danny Kim, California State University, Fullerton
Grant Sharp, County of Orange
Mark Tettemer, Irvine Ranch Water District
Jeff Thompson, Rancho Mission Viejo
Marilyn Thoms, East OC Water District
Alex Waite, City of Tustin
Dennis Wilberg, City of Mission Viejo*

**One vacant seat*

*Orange County Transportation
Authority
550 South Main Street, Orange, CA
May 12, 2022 at 10:30 a.m.*

Committee Member(s) Absent:

*Garry Brown, Chair
Jill Ingram, City of Seal Beach
Hector B. Salas, Caltrans
Laurie Walsh, San Diego RWQCB
Maher Zaher, Santa Ana RWQCB*

DRAFT

Orange County Transportation Authority Staff Present:

*Alison Army, Sr. Transportation Analyst
Marissa Espino, Community Relations Officer
Dan Phu, Environmental Programs Mgr.*

1. Welcome

Vice Chair Keith Linker welcomed everyone to the quarterly Measure M Environmental Cleanup Allocation Committee (ECAC) meeting

2. Approval of February 10, 2022 Minutes

Chair Garry Brown asked if there are any additions or corrections to the February 10, 2022 meeting minutes.

A motion was made by a Mark Tettemer, seconded by Jeff Thompson, and carried unanimously to approve the February 10, 2022 ECAC minutes.

3. OC Stormwater Tools Update and Demonstration

Dan Phu provided background on the genesis of OC Stormwater Tool. He said this updated tool will be utilized with the next call for Tier 2 projects. The last call for Tier 2 projects was in 2013.

Aaron Poresky from Geosyntec Consultants was introduced. Aaron said the Planning Module goal is modernization of the prioritization maps and analysis of projects. The updates are a collaboration between OC Public Works Agencies and OCTA. A demonstration of the Planning Module was conducted with a sample cistern project in south Orange County and the various functions of the Planning Module were highlighted. He informed the committee that Permittee focus group were involved in the development of the Tool and valuable feedback was received. <The presentation is available upon request.>

Committee Comments:

Jeff Thompson asked if the model was originally being used in North Orange County. Aaron Poresky said in the second task on this contract, Geosyntec expanded the tool to cover all of Orange County.

Vice Chair Keith Linker asked about trace network. Aaron Poresky said first the contributing storm drain is identified and then it is traced up through the network. Vice Chair Linker asked if the tool has the flexibility to show if there is a BMP in the watershed. Aaron said currently it will show if there is a BMP of some sort without delineations.

The committee discussed varying simulations and components of the tools.

Jeff Thompson suggested there be a guest login feature to capture a broader audience. Aaron Poresky said there might be a way to do that. Dennis Wilberg asked if every city's staff will be trained to use the tool. Staff said there should be at least one person at each city trained on how to use the tool. Dan Phu said OCTA rolled out the program over a decade ago and there was outreach at that time. He said during the next Call there will be more outreach to make sure all agencies know how to use the tool.

Mark Tettermer asked if the water captured at the cistern is recycled for re-use and if that is being publicized somehow. Aaron Poresky said the tool does determine or estimate how much water is recycled and water conservation calculations are not being done. Mark said this is a secondary benefit, but it is not necessarily a driver for OCTA's consideration. Alison Army said secondary benefits would be calculated on the 30% non-technical part of the application which is not part of the Planning Module. Aaron said it is something that is calculable but needs more information input to determine the benefit. Dennis Wilberg and Marilyn Thoms emphasized water conservation and suggested it be looked at as part of the tool.

Alex Waite asked if areas are blocked from infiltration. Aaron Poresky said, no, in general the tool will not stop you from designing a BMP that is not feasible. Dan Phu said the application requires approval by the city council.

4. Anaheim Modjeska Park Tier 1 Project Update

Vice Chair Keith Linker provided an update on the Anaheim Modjeska Park Tier 1 Project. He said the purpose of this project was to develop a regional credit program. Vice Chair Linker said the goal of the program is to expedite pollutant removal. The project was completed two years ago but BMPs are awaiting inspection and verification. He said the City of Anaheim is striving to get the devices grandfathered in since they have been in place for two years. Vice Chair Linker gave details on the sensor technology and efforts being taken in adjusting of sensor heights. City is trying to get this moving along quickly to begin capturing the credits. He said the water board is being very cautious with the project

Committee Member Comments:

Jeff Thompson asked about maintenance frequency. Vice Chair Linker said the diversion system needs to be cleaned out, so that it is not bypassing the capture system. He said sediment can build up and prevent the largest amount of capture. He said the sensors are looking at the implementation of the system. Jeff said it sounds like it's still doing the job because it does not get clogged up, but it is slowing the flow down. Keith said that is correct, but we need to get as much draw down as possible.

Grant Sharp said the way the credit program is designed to work is that the city must look for funding to contribute to the ongoing maintenance. Vice Chair Linker said there is an option, not obligation, to have credits purchased. He said the project has risks if other BMPs are installed that will take away the flow to the system. Grant asked if the infiltration directly benefits the recharge basin. Vice Chair Linker said yes – if this works properly, \$7.5 million of water is being pumped into the ground. Grant said if the pollutants are not captured it could hurt the overall benefit.

Jeff Thompson asked the cost of the project. Vice Chair Linker said roughly \$3.5-\$4 million.

Grant asked about flooding issues. Vice Chair Linker said it is hard to tell until we have some bigger storms..

5. Public Comments

There were no public comments.

6. Committee Member Reports

A committee member thanked OCTA for the Wren's View Hike. He said it was really great what OCTA is doing. Marissa Espino said this is part of the Environmental Mitigation Program and the hikes happen every other month.

7. Next Meeting – August 11, 2022

The meeting was adjourned.



October 6, 2022

To: Environmental Cleanup Allocation Committee

From: Orange County Transportation Authority Staff

Subject: Comprehensive Transportation Funding Programs – Project X
Tier 1 Fiscal Year 2022-23 Call for Projects Programming
Recommendations

Overview

The Orange County Transportation Authority’s Environmental Cleanup Program provides Measure M2 funding for water quality improvement projects to address transportation-generated pollution. The fiscal year 2022-23 Tier 1 Grant Program call for projects was issued on March 14, 2022. Evaluations for grant applications are now complete, and a list of projects is presented for review and endorsement of recommended funding allocations.

Recommendation

Concur with the application review committee’s finding and recommend approval to the Board of Directors to allocate \$3,120,217 in Tier 1 Environmental Cleanup Program funding for 13 projects.

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) Project X Environmental Cleanup Program (ECP). The Tier 1 Grant Program is designed to mitigate more visible forms of pollutants, such as litter and debris collecting on roadways and in catch basins prior to being deposited in waterways and ultimately the ocean. The Tier 2 Grant Program provides funding for larger projects treating catchment areas of 50 acres or greater, allowing for multi-jurisdictional, capital-intensive structural treatment Best Management Practice (BMP) projects.

Tier 1 funds are available for Orange County local jurisdictions to purchase and install equipment and other BMPs that supplement, not supplant, existing water quality programs. Examples include screens, filters, and inserts for catch basins,

as well as other devices designed to remove the aforementioned pollutants. Projects must demonstrate a direct nexus to the reduction of transportation-related pollution, as developed and defined by OCTA's Environmental Cleanup Allocation Committee (ECAC).

To date, the Board has approved funding for 199 Tier 1 projects, totaling approximately \$30 million. It is estimated that more than 45.3 million gallons of trash have been captured since inception of ECP in 2011. Over time, the volume of trash captured is expected to increase. On March 14, 2022, the Board approved issuance of the current 2022 ECP Tier 1 call for projects (call), making available approximately \$3 million to support a 12th call for the ECP Tier 1 program.

Discussion

The ECP Tier 1 call application deadline was June 16, 2022. As of that date, 14 applications were submitted to OCTA from 14 local agencies, and in the evaluation process, one application was withdrawn. The 13 remaining applications were reviewed and evaluated by an application review committee consisting of OCTA staff and the ECAC Chairman. Project applications were evaluated based on Board-approved selection criteria, which included the following:

- Effectiveness at removing trash and debris;
- Cost/benefit analyses;
- Pollution reducing benefits;
- Project readiness;
- Adequacy of proposed operations and maintenance plans; and
- Submission of clear and detailed work plans with specific implementation timing documented

Based upon evaluation of these key criteria, the application review committee is recommending 13 projects for funding in the amount of \$3,120,217. While the recommended award amount is higher than the Board-authorized target of \$3 million, the funding recommendation aligns with award recommendations from previous cycles, which may be slightly below or above the Board authorized target. It should also be noted that funding in excess of call target amounts is offset by previous ECP Tier 1 unallocated call balances, including approximately \$102,000 from the 2021 call.

The projects being recommended for funding primarily consist of catch basin debris screen devices, including 1,508 connector pipe screens (CPS), 288 automatic retractable screens (ARS), 170 grated inlet trash screens (GITS), one debris separating baffle box (DSBB), and one in-line trash trap unit.

More detailed project descriptions are outlined in attachments A and B, and a brief overview of these project types is provided below.

- Catch basin debris screen devices: These metal screen devices cover catch basins and prevent debris from entering the storm drain system and primarily consist of CPS, ARS, and GITS type devices.
- A DSBB is an advanced storm water treatment system utilizing a non-clogging screen technology and hydrodynamic separation to capture pollutants. The non-clogging screening system stores trash and debris in a dry state, suspended above sedimentation chambers that allows for easier maintenance.
- An in-line trash trap unit is a precast concrete structure designed to treat pollutants present in stormwater and urban runoff by capturing trash and solids through disposable mesh nets from incoming flows. The design of the trash trap unit effectively uses the energy of water's flow to drive pollutants into nets to separate and capture trash, debris, and sediment, including all particles larger than one millimeter. Oil absorption material can be placed inside or outside the nets to absorb oil sheen and grease.

As part of this program, local agencies agree to contribute a minimum cash match of 20 percent of total project costs. All recommended projects meet this requirement.

Contingent upon authorization from the Board, construction contract awards cannot be completed or construction started until letter agreements between OCTA and local jurisdictions are executed. Additionally, local jurisdictions are held to a one-year expectation articulated in the Comprehensive Transportation Funding Program (CTFP) guidelines to execute construction contracts and maintain grant eligibility.

Due to extenuating circumstances in securing the application review committee this call, it has taken longer than in previous cycles to advance the project funding recommendations to the ECAC for review. Therefore, in order to hold local jurisdictions harmless for the reduced time to meet the time-sensitive construction contract requirement, staff is recommending that pre-award authority be granted upon Board approval for all 13 projects. Pre-award authority allows local jurisdictions to enter into construction contracts ahead of execution of OCTA letter agreements and would provide slightly more than one year to meet the contract award deadline.

Staff will continue to engage the ECAC for recruitment of additional application review committee members for future Tier 1 call evaluations to mitigate potential delays in the future.

Next Steps

Upon the ECAC's endorsement of the application review committee's recommendations, OCTA staff will seek approval of the programming recommendations, identified above and in Attachment A, by the OCTA Regional Planning and Highways Committee and Board in November 2022.

Once funding awards are finalized, agencies will be required to execute a letter amendment to their Measure M2 (M2) Master Agreement. As noted above, recommended pre-award authority will help agencies avoid any delays in project delivery caused by the award timeline. OCTA will monitor and report on project status and delivery through the CTFP semi-annual review and M2 quarterly reporting processes.

Summary

The M2 Project X ECP Tier 1 2022 application review committee recently completed its application review. The ECAC is now being asked to endorse the evaluation committee's recommendations and recommend to the OCTA Board an award of \$3,120,217 in Project X ECP Tier 1 Water Quality Program funds to support 13 local jurisdiction projects.

Attachments

- A. Project X 2022 Tier 1 Call for Projects – Programming Recommendations
- B. Project X 2022 Tier 1 Call for Projects – Project Summaries

**Project X 2022 Tier 1 Call for Projects
Programming Recommendations**

Projects Recommended for Funding						
Agency	Project	Project Description	Local Match	Score	Recommended Project Allocation	Cumulative Funding
Laguna Hills	Connector Pipe Screen & Automatic Retractable Screen Project, Phase XI	Install 62 CPS-Mod systems and 129 ARS-CL Curb Screens	20%	86	\$ 200,000	\$ 200,000
Stanton	Stanton Catch Basin Full Trash Capture System Installations - 2022	Install 26 CPS-Mod systems and Five GITS devices	20%	83	\$ 61,890	\$ 261,890
Mission Viejo	Trash and Runoff Abatement Project (TRAP): Northerly Area	Install 33 CPS-Mod systems and 111 ARS-CL Curb Screens	20%	83	\$ 160,000	\$ 421,890
Seal Beach	2022 Environmental Cleanup Project	Install 57 CPS-Mod systems, 117 GITS devices, and 48 ARS-FX Curb-Opening Screens	20%	80	\$ 396,000	\$ 817,890
Anaheim	The Catch Basin Screen Installation Project - 2022	Install 373 CPS units	20%	80	\$ 499,366	\$ 1,317,256
Fullerton	Installation of Full Capture Trash Devices in Catch Basins - 2022	Install 24 CPS-Mod systems and 48 GITS devices	20%	79.5	\$ 173,761	\$ 1,491,017
San Juan Capistrano	San Juan Capistrano High Priority CPS Screen Installation	Install 100 CPS units	20%	78	\$ 147,200	\$ 1,638,217
Orange	Debris Separating Baffle Box and Connector Pipe Screen BMP Installation	Install One DSBB and Seven CPS units	20%	78	\$ 400,000	\$ 2,038,217
Costa Mesa	2022 Connector Pipe Screen Installation Project	Install 300 CPS units	20%	71	\$ 160,000	\$ 2,198,217
Huntington Beach	Huntington Beach Trash Removal Project Phase II - Atlanta Avenue Pump Station Retrofit	Install one In-Line Trash Trap Unit	33.5%	69	\$ 500,000	\$ 2,698,217
Westminster	2022 Catch Basin Screen Installation Project	Install 100 CPS units	20%	66	\$ 69,600	\$ 2,767,817
Laguna Niguel	Purchase and Installation of Trash Control Devices on Stormwater Catch Basins 2022	Install 196 CPS units	20%	65	\$ 196,000	\$ 2,963,817
Irvine	Citywide Catch Basin Connector Pipe Screen Installation Project - Phase 3	Install 230 CPS units	20%	65	\$ 156,400	\$ 3,120,217

Projects Not Recommended for Funding (Withdrawn by Applicant)				
Agency	Project	Project Description	Score	Funding Request
Newport Beach	Newport Bay Trash Boom System	Install One Trash Boom System	N/A	\$ 150,000

Acronyms

ARS - Automatic Retractable Screen

CPS - Connector Pipe Screen

DSBB - Debris Separating Baffle Box

GITS - Grated Inlet Trash Screen

N/A - Not Applicable

Project X 2022 Tier 1 Call for Projects – Project Summaries

Project Descriptions		
Agency	Project Title	Project Highlights
Anaheim	The Catch Basin Screen Installation Project - 2022	The City of Anaheim proposes to install 373 CPS units at existing storm drain catch basins at strategic high-traffic sites located throughout the Anaheim watershed and storm drain system, protecting the Carbon Creek, Westminster, and Santa Ana River Watersheds
Costa Mesa	2022 Connector Pipe Screen Installation Project	The City of Costa Mesa proposes to install 300 CPS units along Priority Land Use drainage areas, downstream of bus stops and along transportation corridors. The project area falls within two principal watersheds, the Newport Bay Watershed and the Santa Ana River Watershed.
Fullerton	Installation of Full Capture Trash Devices in Catch Basins - 2022	The City of Fullerton proposes to install 24 CPS-Mod systems and 48 GITS devices, prioritizing high-traffic areas with heavy pedestrian and vehicle traffic, such as industrial zones, commercial plazas, and apartments. The project area is expected to reduce the amount of transportation-related pollution entering Orange County’s surface and groundwater systems.
Huntington Beach	Huntington Beach Trash Removal Project Phase II - Atlanta Avenue Pump Station Retrofit	The City of Huntington Beach proposes to install one In-Line Trash Trap Unit that would be located entirely within the City-owned Atlanta Avenue Pump Station yard, next to the Huntington Channel. The project area receives storm flows and runoff from a 247-acre watershed, of which 187 acres is a Priority Land Use.
Irvine	Citywide Catch Basin Connector Pipe Screen Installation Project - Phase 3	The City of Irvine proposes to install 230 CPS units at various locations throughout Irvine in order to protect the Upper Newport Bay. The specific locations were selected considering development areas, increased vehicle/pedestrian traffic, the absence of stormwater treatment by a natural treatment system, drainage from Priority Land Use areas, and drainage to downstream receiving waters listed on the Clean Water Act List of Impaired Water Bodies.
Laguna Hills	Connector Pipe Screen & Automatic Retractable Screen Project, Phase XI	The City of Laguna Hills proposes to install 62 CPS-Mod systems and 129 ARS-CL Curb Screens in catch basins in the northwest, central and south, and east side of Laguna Hills. These devices receive stormwater runoff from 234 total acres, of which 172 acres are in Priority Land Use areas. The proposed project will protect water quality in three watersheds.
Laguna Niguel	Purchase and Installation of Trash Control Devices on Stormwater Catch Basins 2022	The City of Laguna Niguel proposes to install 196 CPS units that currently do not have trash control devices or have a trash control device that does not meet State requirements, largely in Alternative Land Use areas.
Mission Viejo	Trash and Runoff Abatement Project (TRAP): Northerly Area	The City of Mission Viejo proposes to install 33 CPS-Mod systems and 111 ARS-CL Curb Screens in the northern area of the City, protecting two watersheds (San Juan Creek and Aliso Creek). All proposed project areas are considered Priority Land Uses, reducing stormwater pollution in commercial and high-density residential areas.
Orange	Debris Separating Baffle Box and Connector Pipe Screen Best Management Practice (BMP) Installation	The City of Orange proposes to install one DSBB and seven CPS units. The DSBB would be located in the existing storm drain system that ultimately discharges into Buckeye Channel, collecting runoff from Watershed 6 as described in the City of Orange Master Plan of Drainage. The CPS units would be installed within the City of Orange Watersheds 6, 11, and 30.
San Juan Capistrano	San Juan Capistrano High Priority CPS Screen Installation	The City of San Juan Capistrano proposes to install 100 CPS units in catch basins located in high-density residential and commercial areas with high concentrations of industrial and commercial uses as well as bus stops and driving routes that have a direct nexus to transportation-related activities affecting the San Juan Creek Watershed.
Seal Beach	2022 Environmental Cleanup Project	The City of Seal Beach proposes to install 57 CPS-Mod systems, 117 GITS devices, and 48 ARS-FX Curb-Opening Screens in the not-yet-protected Priority Land Use area of Leisure World Seal Beach, preventing pollution runoff for the San Gabriel Watershed.
Stanton	Stanton Catch Basin Full Trash Capture System Installations - 2022	The City of Stanton proposes to install 26 CPS-Mod systems and 5 GITS devices in 31 city-owned catch basins, prioritizing those that do not already have a full trash capture device installed. The City proposes to target areas predominantly featuring high pedestrian and vehicular traffic, such as apartments, schools, and commercial zones.
Westminster	2022 Catch Basin Screen Installation Project	The City of Westminster proposes to install 100 CPS units servicing Priority Land Use areas. The first priority is 31 catch basins in Priority Land Use areas, and the second priority is for 69 residential catch basins to offset a portion of the trash from catch basins in Priority Land Use areas that are not able to be equipped with CPS units.

Acronyms

- ARS - Automatic Retractable Screen
- CPS - Connector Pipe Screen
- DSBB - Debris Separating Baffle Box
- GITS - Grated Inlet Trash Screen