



AGENDA

Environmental Cleanup Allocation Committee

Committee Members

Garry Brown, Chair
Keith Linker, Vice Chair
Jill Ingram, City of Seal Beach
Dan Kim, California State University, Fullerton
Hector Salas, Caltrans District 12
Grant Sharp, OC Public Works
Mark Tettermer, Irvine Ranch Water District
Jeff Thompson, Rancho Mission Viejo
Marilyn Thoms, East Orange County Water District
Alex Waite, City of Tustin
Dennis Wilberg, City of Mission Viejo
Marwan Youssef, City of Westminster
Helen Yu, San Diego RWQCB
Maher Zaher, Santa Ana RWQCB

July 8, 2021 10:30 a.m.

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

Guidance for Public Access to the Environmental Cleanup Allocation Committee Meeting

On March 12, 2020 and March 18, 2020, Governor Gavin Newsom enacted Executive Orders N-25-20 and N-29-20 authorizing a local legislative body to hold public meetings via teleconferencing and make public meetings accessible telephonically or electronically to all members of the public to promote social distancing due to the state and local State of Emergency resulting from the threat of Novel Coronavirus (COVID-19).

In accordance with Executive Order N-29-20, and in order to ensure the safety of the Orange County Transportation Authority (OCTA) Environmental Cleanup Allocation Committee (ECAC) Members and staff and for the purposes of limiting the risk of COVID-19, in-person public participation at public meetings of the OCTA will not be allowed during the time period covered by the above-referenced Executive Orders.

Instead, members of the public can listen to AUDIO live streaming of the ECAC meeting by clicking the below link:

<https://www.youtube.com/channel/UC7z2Ghxg0401t3s5DM9GBng>

Public comments may be submitted by emailing them to publiccomments@octa.net.

If you wish to comment on a specific agenda Item, please identify the Item number in your email. All public comments that are timely received will be part of the public record and distributed to the ECAC. Public comments will be made available to the public upon request.

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.



AGENDA

Environmental Cleanup Allocation Committee

In order to ensure that staff has the ability to provide comments to the ECAC Members in a timely manner, **please submit your public comments 90 minutes prior to the start time of the ECAC meeting date.**

1. Welcome

2. New Committee Member

Garry Brown, Chair

3. Approval of January 14, 2021 Meeting Minutes

4. Tier 1 Programming Recommendations

Alison Army, OCTA

Action Recommendations:

- A. *Endorse the application review committee's recommendation for Board of Directors approval to program \$2,697,424, in Tier 1 Environmental Cleanup Program funding for 10 projects.*

5. Public Comments

6. Committee Member Reports

7. Next Meeting – October 14, 2021

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.



OCTA

Minutes

Measure M2 Environmental Cleanup Allocation Committee

Committee Members Present:

Garry Brown, Chair
Keith Linker, Vice Chair.
Marc Brown, Santa Ana RWQCB
Jill Ingram, City of Seal Beach
Dan Kim, California State University, Fullerton
Hector B. Salas, Caltrans
Grant Sharp, County of Orange
Mark Tettermer, 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
Marwan Youssef, City of Westminster

Orange County Transportation Authority
550 South Main Street, Orange, CA
Via Teleconference
January 14, 2021 at 10:30 a.m.

Committee Member(s) Absent:

Helen Yu, San Diego RWQCB

Guests Present:

Aaron Poresky, Geosyntec
Austin Orr, Geosyntec

Orange County Transportation Authority Staff Present:

Joseph Alcock, M2 Local Programs Manager Marissa Espino, Comm. Rel. Spec., Principal
Alison Army, Transportation Analyst, Principal Dan Phu, Environmental Programs Manager

1. Welcome

Chair Garry Brown welcomed everyone to the quarterly Measure M Environmental Cleanup Allocation Committee (ECAC) meeting. Chair Brown went over meeting protocols and asked Marissa Espino to take roll call attendance.

Chair Garry Brown asked the committee to join him in the Pledge of Allegiance.

2. Approval of September 10, 2020 Minutes

Chair Garry Brown asked if there are any additions or corrections to the September 10, 2020 meeting minutes.

A motion was made by a Jeff Thompson, seconded by Mark Tettemer, and carried unanimously to approve the September 10, 2020 ECAC minutes with three abstentions by members not present.

3. Tier 1 Guidelines Revisions and Call for Projects

Alison Army started by saying in October the OCTA Board of Directors approved the 12 Tier 1 programming recommendations in the amount of \$2.8M made by the ECAC at the last meeting. This brought the total Tier 1 Projects to 189 projects and \$27.3M spent since the inception of the program in 2011. Alison then provided information on the Tier 1 Program guidelines for the 2021 call for projects. A summary of the updates were provided in the agenda packet.

Committee Comments:

Jeff Thompson commented that including design as an eligible cost is encouraging and should result in more robust applications. He said he will be interested to hear staff's perspective as it rolls out and how the administration goes. Alison Army said staff will keep the committee updated.

Mark Tettemer asked staff to elaborate on "design" versus "final design." Joseph Alcock said this covers the final design ready to go to construction plans. He said it would not cover initial designs, but the plans for construction (i.e., 95% complete).

Chair Garry Brown suggested staff be ready with a definitive line on what is covered under *final design* when they meet with the cities at the workshop.

Grant Sharp asked when the call would be released. Alison Army said it is anticipated staff will have OCTA Board approval on February 8, 2021 and the call for projects will be released that day.

A motion was made by Marwan Youssef, seconded by Jill Ingram to unanimously endorse the approval of proposed revisions to the Comprehensive Transportation Funding Programs Guidelines for the Environmental Cleanup Program Tier 1 program and recommend Board approval to issue the 2021 Environmental Cleanup Program Tier 1 call for projects.

4. OC Stormwater Tools Demonstration

Dan Phu said OCTA and the County of Orange have been working closely on inventorying what equipment has been installed and the age the equipment in Orange County with regards to stormwater tools. Dan introduced ECAC member Grant Sharp representing the County of Orange.

Grant Sharp said he appreciates the opportunity to share this item with the committee. He said this effort started a little over three years ago. Grant provided background and overview on why this tool was needed. He said there have been requirements within MS4 stormwater permits to look at stormwater runoff from land

development projects since early 1990. He said another driver for this project was the South Orange County Water Quality Improvement Plan which identified the need to look at load reduction performance. The State Water Resources Control Board also adopted trash amendments which required full capture equivalency by 2030. It is anticipated in north Orange County there will be another MS4 permit in the next year or so. Grant said the ability to have tools and data sets to help provide information is extremely critical and important. He said a feature of this program also tracks funding sources for the programs/equipment such as the ones this committee recommends funding for through the Measure M program.

Aaron Poresky talked about how the tool was built and its components. He said it is a web-based product, not a GIS product to allow people between multiple jurisdictions to collaborate. The County also collaborated with OC Survey on this program to gather data. Aaron said the components of the program include an inventory module, workflows and maps, trash module, and the modeling module. He demonstrated how the program works and its features. Currently there 18 agencies using the tool – the 11 south county agencies, plus seven others. Aaron said there is draft public interfacing views as well. He said in the future there could be a planning module if funded. <Full Presentation Available Upon Request>

Committee Comments:

Chair Garry Brown asked if privately owned assets were included in the tool. Grant Sharp said this program includes both public and private assets.

Chair Garry Brown asked about the arena of micro-plastics and how this program might work in the future to capture these plastics. Aaron Poresky said the trashmodule is tailored to what is currently required for trash capture. He said in the modeling module TSS removal in water BMPs could work as a surrogate to capture micro-plastics. An algorithm could be put together in the future to calculate the capture of micro-plastics.

Marc Brown asked if this is currently built for south Orange County. Aaron Poresky said currently the system is built out for the south county region. He said it could be built out for the north county region with an investment in getting the data into the program to drive the model. Marc asked if the County is planning to fully build the program out. Grant Sharp said it is up to the permittees in the Santa Ana Region. Aaron said, yes, this can be done, but there is a tremendous amount of work that has to happen to get the information into the program. Marc asked if money from the ECAC could be used to fund this for the Santa Ana Region. Alex Waite said we are waiting to see the exact permit language. Alex said he has been using it for the trash module. He said it is a great program. Marc asked if this is easy to use for the smaller cities. Alex said he is not computer literate and it is very easy for him to use. Alex said the City of Tustin has a contractor clean out the catch basins several times a year and the contractor enters the data for the city.

Alison Army asked about the level of participation and the feedback from other cities. She also asked how long the County plans on supporting this effort. Grant Sharp said all 11 MS4 permittees are participating, but we do not have 100% of the data and it is a work-in-progress. He said there are quite a few cities using it for the trash module as well. Grant said by making this an open-sourced based tool anyone could take it and expand upon it – it is not proprietary software. It is a long-term investment for the County.

Marc Brown asked if all the MS4 co-permittees in the San Diego Region are using the tool. Aaron Poresky said, no San Diego Counties are using the tool at this point. There have been some discussions.

Marylin Thoms said the County showed great leadership by making this program happen and it sounds like a great tool. She asked how the project was funded. Grant Sharp said the bulk of the project was funded through the cost-share NPDES stormwater budget for the south county permittees.

Chair Garry Brown applauded all the work on the program. He suggested presenting to SOPA and the Inland Empire.

5. Public Comments

There were no public comments.

6. Committee Member Reports

Chair Garry Brown asked for an update on Tier 2. Dan Phu said due to the pandemic everyone is being economically cautious. Staff has been carefully monitoring the sales-tax revenue. At this point Measure M can fund the annual \$2.8M Tier 1 call for projects. Staff is looking to make sure Measure M can fund a Tier 2 call for about \$6M. It appears at this time it can happen, but OCTA is being cautious since the pandemic is still ongoing. This committee agreed to not bond against future revenues, so that puts the next call some time in Fiscal Year 2021-22. Staff is sending out questionnaires to see if cities have Tier 2 projects. Right now, there are not many projects.

Vice Chair Keith Linker said the City of Anaheim is still waiting on their letter agreement for the Tier 1 project approved in October. Construction cannot begin, and the money is allocated to this fiscal year. He said anything that can be done to get the letters out would be greatly appreciated. Dan Phu said he will call OCTA staff to make sure this gets handled.

Dennis Wilberg said the OCTA staff and ECAC has done a great deal of good work to protect the environment and has been underappreciated. The City of Mission Viejo city council has an OCTA Board member on the council and he would love to highlight all that this group has done. He asked how OCTA staff can help publicize all the good work achieved by this committee. Dan Phu said the OCTA Board gets

regular updates and he will look at how it can be highlighted. He said there are several committee members who have put in a great deal of work since its inception.

7. Next Meeting – TBD (Late Spring)

The meeting was adjourned.



July 8, 2021

To: Environmental Cleanup Allocation Committee
From: Orange County Transportation Authority Staff
Subject: Comprehensive Transportation Funding Programs – Project X, Tier 1 Fiscal Year 2021-22 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 2021-22 Tier 1 Grant Program call for projects was issued on February 8, 2021. Evaluations are now complete, and a list of projects is presented for review and endorsement of recommended funding allocations.

Recommendation

Endorse the application review committee’s recommendation for Board of Directors’ approval to program \$2,697,424 in Tier 1 Environmental Cleanup Program funding for 10 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 the more visible forms of pollutants, such as litter and debris, which collect on roadways and in catch basins (i.e., storm drains) prior to being deposited in waterways and the ocean. The Tier 2 Grant Program provides funding for larger projects (i.e., treating catchment areas of 50 acres or greater), potentially multi-jurisdictional, capital-intensive structural treatment best management practice (BMP) types of projects.

Tier 1 funds are available for Orange County local jurisdictions to purchase equipment and provide upgrades to existing catch basins and other related BMPs that supplement current requirements. Examples include screens, filters, and inserts for catch basins, as well as other devices designed to remove the above-mentioned pollutants. Proposed 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 OCTA Board has approved funding for 189 Tier 1 projects, totaling approximately \$27.4 million. It is estimated that nearly 33 million gallons of trash have been captured since inception of the ECP program in 2011. On February 8, 2021, the Board approved issuance of the current 2021 ECP Tier 1 call for projects (call), making available up to \$2.8 million to support an eleventh call for the ECP Tier 1 program.

Discussion

The ECP Tier 1 call's deadline to submit applications was May 6, 2021. As of that date, 11 applications were submitted from 10 local jurisdictions. Applications were reviewed and evaluated by an application review committee consisting of OCTA staff, the ECAC Chairman, and an additional member of the ECAC. Project applications were evaluated based on Board-approved selection criteria for project applications, which included the following components:

- 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

Based upon evaluation of these criteria, the application review committee is recommending that ten projects be funded in an amount equal to \$2,697,424. It should be noted that an eleventh application was not recommended for funding due to it being the lowest scoring project and there not being enough remaining programming capacity to fully fund the project. Accordingly, this applicant is encouraged to work with OCTA over the next year to update the application and reapply in a future call.

For the projects that are being recommended for funding, they primarily consist of catch basin debris screen devices including 1,350 Connector Pipe Screens (CPS) units, 670 Automatic Retractable Screens (ARS) devices, seven Full Trash Capture (FTC) units, one Debris Separating Baffle Box (DSBB), one In-Line Trash Trap (Trash Trap) unit, one Bioretention Basin, and one Grated Inlet Trash Screen (GITS) unit. More detailed project descriptions are outlined in Attachments A and B, and a brief overview of these project types is also provided below.

- Catch basin debris screen devices: These devices prevent debris from entering the storm drain system through catch basin and primarily consist of CPS, ARS, FTC, and GITS types of 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, thereby allowing for easier maintenance.
- A Trash Trap unit is a precast concrete structure designed to treat pollutants present in stormwater and urban runoff through the capturing of trash, solids, and other debris in disposable mesh nets from incoming flows. The design of the Trash Trap unit effectively uses the energy of water flow to drive pollutants into nets in order to capture and separate trash, debris, and sediment, including all particles larger than one millimeter. Oil absorbing material can also be placed inside or outside the nets to absorb oil sheen and grease.
- Bioretention basins are landscaped depressions or shallow basins used to slow and treat stormwater runoff. Stormwater is directed to the basin and then percolates through the system where it is treated by a number of physical, chemical, and biological processes. The cleaned water is then able to infiltrate native soils or can be directed to nearby stormwater drains or receiving waters.

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

Next Steps

Once the ECAC endorses the application review committee's recommendations, OCTA will then seek approval of the programming recommendations (identified above and in Attachment A) by the Regional Planning and Highways Committee and Board in August 2021.

Upon Board final approval, each funded agency will be required to execute a letter amendment (to their existing M2 Master funding Agreement) prior to project implementation. Once this process is complete, OCTA will initiate project monitoring and Board reporting through CTFP semi-annual review and M2 quarterly reporting processes.

Summary

The M2 Project X ECP Tier 1 2021 call for projects application review committee recently completed its review of 2021 applications, and the ECAC is now being asked to endorse for OCTA Board approval, the evaluation committee's recommendations for the award of \$2,697,424 in Project X ECP Tier 1 Water Quality Program funds to support 10 projects.

Attachments

- A. Project X 2021 Tier 1 Call for Projects – Programming Recommendations
- B. Project X 2021 Tier 1 Call for Projects – Project Summaries

**Project X 2021 Tier 1 Call for Projects
Programming Recommendations**

Projects Recommended for Funding					
Agency	Project	Project Description	Score	Funding	Cumulative
Laguna Hills	CPS-Mod™ & ARS-CL™ Screen Project, Phase X	Install 46 CPS units and 252 ARS devices	87.00	\$ 200,000	\$ 200,000
San Clemente	San Clemente Pier and Pico Corridor Runoff Treatment Project	Install 99 CPS units, 246 ARS devices and One GITS device	84.50	\$ 240,000	\$ 440,000
Stanton	Stanton Catch Basin Full Trash Capture System Installations – 2021	Install 109 CPS units	83.83	\$ 101,778	\$ 541,778
Mission Viejo	Mission Viejo Trash and Runoff Abatement Project (TRAP): CPS & ARS Installations in the North-Central City Area	Install 66 CPS units and 155 ARS devices	79.83	\$ 160,000	\$ 701,778
Anaheim	The Catch Basin Screen Installation Project - 2021	Install 695 CPS units	76.60	\$ 500,000	\$ 1,201,778
Irvine	Irvine Citywide Catch Basin Connector Pipe Screen Installation Phase 2 Project	Install 204 CPS units	76.25	\$ 104,122	\$ 1,305,900
Mission Viejo	Mission Viejo Trash and Runoff Abatement Project (TRAP): Lower Curtis Park Bioretention Basin With Trash Capture	Install Five CPS units, 17 ARS devices, and One Bioretention Basin	75.17	\$ 340,000	\$ 1,645,900
Orange, City of	CDS, CPS and FTC BMP Installation	Install Eight CPS units, One DSBB, and Seven FTC units	73.33	\$ 500,000	\$ 2,145,900
Los Alamitos	Catch Basin CPS Project (Citywide)	Install 118 CPS units	72.82	\$ 51,524	\$ 2,197,424
Huntington Beach	Huntington Beach Trash Removal Project - Phase 1	Install One In-Line Trash Trap Unit	70.00	\$ 500,000	\$ 2,697,424

Projects Not Recommended for Funding				
Agency	Project	Project Description	Score	Funding Request
Orange, County of	Orange County Debris Boom Project 2021	Install Six Floating Debris Boom Units	64.33	\$480,000

Acronyms

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

Project X 2021 Tier 1 Call for Projects - Project Summaries

Project Summaries		
Agency	Project Title	Project Highlights
Laguna Hills	CPS-Mod™ & ARS-CL™ Screen Project, Phase X	The City of Laguna Hills (Laguna Hills) proposes to install 46 CPS units and 252 ARS devices in Laguna Hill's northwest region of the city. The project would treat nearly 400 drainage acres which include over 160 acres in Laguna Hill's North Business Park and nearly 160 acres of residential use, both of which are priority land use areas.
San Clemente	San Clemente Pier and Pico Corridor Runoff Treatment Project	The City of San Clemente proposes to install 99 CPS units, 246 ARS devices, and three Grated Inlet Trash Screens. The proposed project would predominantly treat medium- and high-density residential areas and arterial roads with bus stops. The project would also treat two of the most highly trafficked vehicle and pedestrian commercial areas within the city.
Stanton	Stanton Catch Basin Full Trash Capture System Installations – 2021	The City of Stanton proposes to install 109 CPS units at existing CBs in predominantly priority lands use areas with high vehicular and pedestrian traffic. Within the city, there is a mix of city-owned and Caltrans-owned CBs. This project would focus only on city-owned and maintained CBs.
Mission Viejo	Mission Viejo Trash and Runoff Abatement Project (TRAP): CPS & ARS Installations in the North-Central City Area	The City of Mission Viejo proposes to install 66 CPS units and 155 ARS devices within the north-central area of the city. This project would include CBs on segments of Alicia Parkway, Maguerite Parkway, Santa Margarita Parkway, and Trabuco Road and primarily addresses trash and pollutants from commercial and high-density residential areas.
Anaheim	The Catch Basin Screen Installation Project - 2021	The City of Anaheim proposes to install 695 CPS units at existing storm drain catch basins (CBs) in high-traffic sites throughout the Anaheim watershed and storm drain system. Selection of sites for CPS installation target areas that generate more trash due to proximity to arterial roads in high-density resort and commercial areas where trash and debris is a primary concern and/or areas which require the greatest number of maintenance trips per year to remove trash and debits.
Irvine	Irvine Citywide Catch Basin Connector Pipe Screen Installation Phase 2 Project	The City of Irvine proposes to install 204 CPS units within existing CBs at various locations throughout the city. Locations were selected by taking into consideration several factors such as: increased development, increased vehicle/pedestrian traffic, absence of a natural treatment system, drainage from priority land use areas, and drainage to downstream receiving waters. The project area includes 665 acres of priority land use in the total drainage area of 944 acres.
Mission Viejo	Mission Viejo Trash and Runoff Abatement Project (TRAP): Lower Curtis Park Bioretention Basin With Trash Capture	The City of Mission Viejo proposes to install one Bioretention Basin, five CPS units, and 17 ARS devices adjacent to Robert A. Curtis Park on Olympiad Road. Locations were selected in order to treat untreated runoff flows from residential/collector streets, high-density residential properties that adjoin these streets, and Curtis Park's parking lot, all of which connect to a single downstream storm drain pipeline that discharges into Trabuco Creek. The project would treat a total drainage area of 25.3 acres including 6.35 acres of priority land use area. It would also favorably alter storm water runoff flows and discharges into Trabuco Creek.
Orange, City of	CDS, CPS and FTC BMP Installation	The City of Orange proposes to install a DSBB on Tustin Street approximately 450 feet north of La Veta Avenue. The total contributing drainage area is 259 acres comprised of commercial, bus stops, and single-family, multi-family, and mobile home residential land uses. The project also proposes the installation of eight CPS units and seven FTC units on Katella Avenue, La Veta Avenue, and Main Street. These units would capture trash and debris from a total contributing drainage area of 155 acres.
Los Alamitos	Catch Basin CPS Project (Citywide)	The City of Los Alamitos proposes to install 118 CPS units throughout the city which would treat a total drainage area of almost 1,200 acres (of which 390 acres are priority land use areas). This proposed project would enhance the city's current ARS system and would bring the city closer to a full capture system.
Huntington Beach	Huntington Beach Trash Removal Project - Phase 1	The City of Huntington Beach proposes the installation of one In-Line Trash Trap (Trash Trap) extra large fixed basket unit adjacent to McCallen Park. The Trash Trap would be connected to a 93 inch diameter storm drain line and will be located in-line with the existing storm drain line on Delaware Avenue. The TrashTrap is a precast concrete structure which captures trash, solids, and floatables in mesh nets utilizing the energy of the water's flow to drive pollutants into the nets. Oil absorbing material can also be placed inside or outside the nets to absorb oil sheen and grease.

Acronyms

ARS - Automatic Retractable Screen
 BMP - Best Management Practice
 CPS - Connector Pipe Screen
 CDS - Continuous Deflection Separator
 DSBB - Debris Separating Baffle Box
 FTC - Full Trash Capture