

2023 Project X Tier 1 Call for Projects – Project Summaries

Project Descriptions		
Agency	Project Title	Project Highlights*
Anaheim	Catch Basin Screen Installation Project - FY 2023/2024	The City of Anaheim proposes to install approximately 287 CPS units, 22 FTCs, and 21 ARS 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	Greenville-Banning Channel and Santa Ana River HDS Installation Project	The City of Costa Mesa proposes to install one HDS connected to the county storm system leading to the Greenville-Banning Channel and Santa Ana River. The project captures drainage from a combination of land uses including high-density residential, mixed urban, commercial, industrial, and bus stops, as well as low-density residential and institutional land uses.
County of Orange	Ranch Plan Planning Area 3 Urban Stormwater Quality Infiltration and Pre-Treatment Basins Project	The County of Orange proposes to install one mechanical filtration BMP, one infiltration basin, and one sub-surface infiltration basin with underground infiltration in South Orange County, south of Cow Camp Road. The project addresses the storm water flows produced from the approximately 1,285-acre watershed tributary. The benefits to water quality include trash and pollutant removal, groundwater enhancement, and protection of San Juan Creek and downstream receiving waters.
Huntington Beach	Huntington Beach Trash Removal Project Phase III - Hamilton Avenue Pump Station Retrofit	The City of Huntington Beach proposes to install one In-Line trash trap system that would be located entirely within the city-owned Hamilton Avenue pump station yard next to the Santa Ana River. The project area receives storm flows and runoff from a 513.3-acre watershed, of which 106.8 acres is a priority land use.
La Habra	Installation of Full Capture Trash Devices in Catch Basins - 2023	The City of La Habra proposes to install approximately 67 CPS systems and 15 GITS at various locations throughout La Habra to reduce trash and transportation-related pollution from entering receiving waters and impacting Orange County’s surface and groundwater systems. To maximize the efficacy of the devices, the City has targeted catch basins that are located in high traffic areas. Priority area locations include industrial and commercial areas, such as shopping centers with high pedestrian and vehicular traffic.
Laguna Hills	CPS-Mod & ARS-CL Screen Project, Phase XII	The City of Laguna Hills proposes to install approximately 75 CPS systems and 100 ARS curb screens. The catch basins targeted for the BMP devices receive storm water runoff from 408 total acres in two watersheds including Aliso Creek and San Juan Creek Watersheds. Runoff travels through the cities of Aliso Viejo, Laguna Niguel, Unincorporated Orange County, and Laguna Beach before discharging into the Pacific Ocean.
Mission Viejo	Trash and Runoff Abatement Project (TRAP): North El Toro Area	The City of Mission Viejo proposes to install approximately 49 CPS systems and 108 ARS curb screens. The project location is 77 acres of entirely priority land use and will reduce stormwater pollution that drain to either Aliso Creek or San Juan Creek Watersheds by preventing trash and pollutants from arterial roadways and medium-high density residential areas.
Newport Beach	Newport Harbor Trash Rover	The City of Newport Beach proposes to purchase one WasteShark (or equivalent) trash rover as a continued effort to improve water quality for the Newport Harbor. In conjunction with previously installed catch basin screens, continuous deflection separators, marina trash skimmers, and debris booms, the trash rover will be deployed in Newport Harbor and capture floating trash and debris entering from storm drain systems and creeks.
Orange, City of	Glassell Street & La Veta Avenue Water Quality Storm Drain Improvement Project	The City of Orange proposes to install approximately one HDS, 11 CPS, and two FTCs. The HDS would be located in the existing storm drain system that ultimately discharges into Channel #5, collecting runoff from Watershed 3 as described in the City of Orange Master Plan of Drainage. The CPS and FTC would be installed within Watersheds 3 and 17 on Glassell Street and La Veta Avenue.
San Clemente	Avenida Pico and San Clemente Outlets Corridor Runoff Treatment Project	The City of San Clemente proposes to install approximately 72 CPS systems, 6 GITS, and 197 ARS curb screens in catch basins located on 240 acres of priority land use including retail along Avenida Pico, including Pico Plaza and the retail Outlets of San Clemente. The project area is almost entirely in the Segunda Deshecha Canada Watershed and flows directly into the Pacific Ocean at North Beach in San Clemente.

*Priority Land Use, as defined by the California Water Quality Control Board for trash provisions/management, is developed sites, facilities, or land uses within local jurisdiction such as high density residential, industrial, commercial, mixed urban, and public transportation stations.

- Acronyms**
ARS-CL - Automatic Retractable Screen
BMP - Best Management Practice
CPS - Connector Pipe Screen
FTC - Full Trash Capture Unit
FY - Fiscal Year
GITS - Grated Inlet Trash Screen
HDS - Hydrodynamic Separator