

## City of Hermosa Beach SCW Program Annual Plan 2020-2021: Budget

For the upcoming fiscal year, the table below lists the expenditures, budgets for the expenditures, and total budget for the City's SCW Program Payment. Descriptions of the planned expenditures are included on the following pages.

Estimated Return		\$160,000.00
Existing Projects (up to 30%)		-
New Projects		\$137,500.00
		<b>\$137,500.00</b>
Expenditure type	Expenditure name	Expenditure Budget
Project 1	The Beach Cities Green Streets Project	\$127,500.00
Project 2		
Project 3		
Program 1		
Program 2		
Program 3		
O&M activity 1		
O&M activity 2		
Post-construction monitoring 1		
Stakeholder and Community Outreach/Engagement 1	The Beach Cities Green Streets Project	\$10,000.00

## City of Hermosa Beach SCW Program Annual Plan 2020-2021: Description of Projects

**Project 1:**                      **The Beach Cities Green Streets Project**

**Budget:**                      **\$127,500.00**

**Description:**

The Beach Cities Watershed Management Group (WMG) will collaboratively implement the Project in the Cities of Hermosa Beach, Manhattan Beach, Redondo Beach, and Torrance. The Project consists of the design and construction of structural control measures which will manage stormwater runoff from existing rights-of-way in the high priority Herondo (SMB 6-01) and 28th Street (SMB 5-02) subwatersheds and improve water quality in Santa Monica Bay. Two key intersections on Hermosa Avenue, between Herondo Street and 4th Street, will be reconstructed with structural control measures. The Project will include community outreach, which is described separately in Stakeholder and Community Outreach/Engagement.

### Discussion of SCW Program goals achieved

Goal 1.	Improve water quality and contribute to attainment of water-quality requirements.
The goal to improve water quality and contribute to attainment of water-quality requirements will be achieved by the Project through capturing and treating stormwater. The Beach Cities Enhanced Watershed Management Program (EWMP) identifies distributed green street structural control measures that when implemented together with regional watershed control measures and baseline and enhanced minimum control measures are predicted by the reasonable assurance analysis to achieve compliance with water quality based effluent limitations set forth in the MS4 Permit for the Beach Cities EWMP area. The design objectives of the Project are to retrofit existing impervious areas and parkways within public rights-of-way with green infrastructure to improve water quality by providing pollutant load reduction through capture, treatment, and where possible infiltration of stormwater and associated pollutant loads including the 303(d)-listed TMDL pollutants indicator bacteria, sediment-borne DDT and PCBs, and trash (debris), and reduce the peak runoff rate and total volume of stormwater discharged to the Beach Cities' Santa Monica Bay watershed from a combined 186-acre area of the Project area. The Project is anticipated to collect stormwater from 27% of the acreage (186 acres) which generates runoff in the Beach Cities (Torrance, Redondo Beach, Hermosa Beach, and Manhattan Beach). Proposed green street structural control measures include consideration of pervious pavement, bio-filtration and bio-retention, dry wells, and full-capture devices in catch basins to minimize trash from entering the catch basin. Project Design will commence in August 2020, with completion of the Final Design anticipated for March 2021. The stormwater quality design volume capacity of the structural control measures determined to be technically feasible to construct for the Project will be specified in the SCW Program Annual Plan 2020-2021.	
Goal 2.	Promote green jobs and career pathways.
The goal to promote green jobs and career pathways will be achieved by the Project through hiring an engineering consultant to conduct preliminary engineering investigations, geotechnical engineering analysis, hydrologic analysis, preliminary design and final design plans, and subconsultants to conduct community outreach, CEQA and permitting, and eventually monitoring and maintenance of the Project.	
Goal 3.	Leverage other funding sources to maximize SCW Program Goals.
The goal to leverage other funding sources to maximize SCW Program Goals will be achieved by the Project through funds granted by the California State Coastal Conservancy and the Santa Monica Bay Restoration Commission. The Project's design and construction is partially funded by the State Coastal Conservancy's Proposition 12 Santa Monica Bay Restoration Grant for \$2,000,000, which represents approximately thirty-nine percent of the estimated total project costs of \$5,145,000, and as such the balance of the total project cost must be provided as local or other non-State matching funds. The estimated total cost of preliminary engineering and final design is \$1,100,000; Prop 12 SMBR grant funds will provide \$550,000 and the Beach Cities will provide \$550,000 in matching funds, where the City of Hermosa Beach will contribute a proportional responsibility 25% percentage share of \$137,500.	
Goal 4.	
Goal 5.	
Goal 6.	
Goal 7.	
Goal 8.	
Goal 9.	

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Goal 10.
Goal 11.
Goal 12.
Goal 13.
Goal 14.

### Quantitative targets and corresponding metrics

i. Annual volume of stormwater captured and treated:	Metric - acre-feet (annual volume of stormwater captured and treated): The stormwater quality design volume capacity of the structural control measures determined to be technically feasible to construct for the Project will be specified in SCW Program Annual Plan 2021-2022.
ii. Annual volume of stormwater captured and reused:	Metric - acre-feet (annual volume of stormwater captured and reused): The stormwater quality design volume capacity of the structural control measures determined to be technically feasible to construct for the Project will be specified in SCW Program Annual Plan 2021-2022.
iii. Annual volume of stormwater captured and recharged to a managed aquifer:	Not applicable. The Project will not recharge a managed aquifer.
iv. Annual creation, enhancement, or restoration of Community Investment Benefits. If none, discuss considerations explored and reasons to not include:	Metric - acre-feet (annual enhancement of Community Investment Benefits) and metric tons (of carbon sequestered): The Project will annually enhance Community Investment Benefits through improvement to flood management, flood conveyance, and/or flood risk mitigation, which will be quantified by annual volume of stormwater captured. The stormwater quality design volume capacity of the structural control measures determined to be technically feasible to construct for the Project will be specified in SCW Program Annual Plan 2021-2022. The Project will also include a benefit to the community that improves public health by reducing the heat island effect, and planting of trees or other vegetation that increases carbon reduction/sequestration, and improve air quality. The Project's net greenhouse gas benefit can be estimated using the California Air Resources Board Quantification Methodologies and Calculator Tools (i.e. i-Tree Planting Tool), which provides the approximate metric tons (per 40-year period) of carbon sequestered.

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v. Annual acreage increases in Nature-Based Solutions and claimed level of NBS (with matrix demonstrating determination of good, better, best, as outlined in Exhibit C). If none, discuss considerations explored and reasons to not include.	Metric - acres (annual increases in NBS): The Project provides Nature-Based Solutions (NBS) that mimic natural processes by developing green streets and planted areas with water storage capacity, and will be estimated by annual acreage increase. The Project will utilize natural processes that slow, detain, infiltrate or filter Stormwater and/or Urban Runoff. The Project anticipates methods relying predominantly on soils and vegetation; increasing the permeability of Impermeable Areas; creating bioswales and parkway basins; and through planting trees and vegetation, with preference for native species. It is anticipated that the Project's claimed level of NBS will achieve a 'good' classification, which will be evaluated in the SCW Program Annual Progress/Expenditure Report 2020-2021, according to the six methods described in Exhibit C. The Project is also anticipated to provide additional benefits such as sequestering carbon and improving quality of life for surrounding communities.
vi. Annual expenditures providing DAC Benefits. If none, discuss considerations explored and reasons to not include.	Not applicable. The City is not located in or adjacent to a DAC community.

**If applicable: Status of Institute for Sustainable Infrastructure (ISI) verification**

Not Applicable.

**City of Hermosa Beach SCW Program Annual Plan 2020-2021**  
**Description of Stakeholder and Community Outreach/Engagement**

**Stakeholder and Community Outreach/Engagement 1:**      **The Beach Cities Green Streets Project**

**Budget:**      **\$10,000.00**

**Description.** Include a discussion of how local NGOs or CBOs will be involved, if applicable, and if not, why. Additional outreach/engagement activities, even if funded by other sources, should be referenced to provide an overview of anticipated overall project approach.

Public stakeholder support of this Project is crucial to project success and therefore business owners, residents, and other interested groups (i.e. NGOs and CBOs) will be involved during the initial stages of design. Conceptual level renderings will be prepared for the Project site for use during outreach activities. The following outreach activities are anticipated for the Project; Information Signs, Community Meetings, door-to-door Canvassing conducted by a team of bi-lingual organizers.