

FUNCTIONALLY EQUIVALENT STORMWATER RESOURCES PLAN

Amendment 1 -

Community Participation in Implementation

Beach Cities Watershed Management Group

July 2017

TABLE OF CONTENTS

1	Introduction.....	2
2	Integrated Regional Water Management Plan	2
3	Local Community Participation and Public Engagement	4
3.1	Public Participation During Regional Project Implementation	4
3.1.1	Torrance Stormwater Basins Recharge and Enhancement Project	5
3.2	Public Engagement and Education in Stormwater Pollution Prevention	5
3.2.1	Business Assistance Program for Food Service Establishments.....	5
3.2.2	Ocean Friendly Landscape Workshops.....	6
3.2.3	Rain Barrel Distribution	6
3.2.4	Irrigation Reduction Incentives	7
3.2.5	Community Events.....	7
3.2.6	Pet Waste Collection Stations	7
3.2.7	IPM Website	7
3.2.8	Small Construction Site BMP Brochure	7
3.2.9	Downspout Disconnection Incentive Program.....	8

1 Introduction

As part of the Prop 1 Stormwater Implementation Grant application for the Hermosa Beach Greenbelt Infiltration System Regional Project, the Beach Cities Watershed Management Group (Beach Cities WMG)¹ submitted the required checklist and self-certification to the State Water Resources Control Board Department of Financial Assistance (SWRCB DFA) staff to demonstrate that the Beach Cities Enhanced Watershed Management Program (EWMP), in combination with several other existing documents, is functionally equivalent to a Storm Water Resource Plan (SWRP) consistent with the SWRP Guidelines². SWRCB DFA staff reviewed the checklist and identified one item in the checklist, Item #44, that requires further revision in order for the Beach Cities SWRP to receive approval as functionally equivalent. Item #44 of the checklist addresses the Water Code Section 10562(b)(4) requirement to include community participation during plan implementation. The SWRP Guidelines provide the following guidance statement with respect to the mandatory statutory requirement to provide for community participation in plan development and implementation [California Water Code 10562(b)(4)]:

To maximize community-based benefits, key stakeholders and the public should be involved in all appropriate implementation steps of the Storm Water Resource Plan. Public education and opportunities for public participation in actions, decisions, and projects implemented through watershed-based storm water management should be provided.

SWRCB DFA staff requested the Beach Cities checklist and SWRP be revised to incorporate its plan for community participation during implementation of the SWRP. Accordingly, this document is focused on providing additional documentation on that element of the Beach Cities SWRP. As described in more detail below, the Beach Cities SWRP includes community participation on both the regional and local scale.

2 Integrated Regional Water Management Plan

The Greater Los Angeles County Integrated Regional Water Management Plan (GLAC IRWMP) is a collaborative effort to identify and implement water management solutions on a regional scale that increase regional self-reliance, reduce conflict, and manage water to concurrently achieve social, environmental, and economic objectives on a regional scale. The GLAC IRWMP crosses jurisdictional, watershed and political boundaries; involves many agencies, stakeholders, individuals and groups; and attempts to address the issues and differing perspectives of all the entities involved through mutually beneficial solutions. The 2014 GLAC IRWMP was a multi-year effort among water retailers, wastewater agencies, stormwater and flood managers, watershed groups, the business community, tribes, agriculture and non-profit stakeholders. The GLAC

¹ The Beach Cities WMG includes the Cities of Torrance, Redondo Beach, Hermosa Beach, and Manhattan Beach, and the Los Angeles County Flood Control District.

² SWRCB, 2015. Storm Water Resource Plan Guidelines, December 15, 2015.

IRWMP provides a mechanism for: 1) coordinating, refining, and integrating existing planning efforts within a comprehensive, regional context; 2) identifying specific regional and watershed-based priorities for implementation projects; and 3) providing funding support for the plans, programs, projects, and priorities of existing agencies and stakeholders.

There are twelve (12) EWMPs and seven (7) individual Watershed Management Programs (WMPs) developed under the Los Angeles Municipal Separate Storm Sewer System NPDES Permit (LA MS4 Permit) that lie within the GLAC IRWM region. These EWMPs and WMPs have been incorporated into the GLAC IRWM and as such the GLAC IRWM provides a successful framework for reaching stakeholders and the public in implementing the programs and projects in the EWMPs and WMPs. By including the EWMPs and WMPs under the umbrella of the GLAC IRWMP, the region will enjoy a unified approach in engaging the public in developing water projects for water quality, supply, habitat and recreation. The EWMP prepared by the Beach Cities WMG and approved by the Los Angeles Regional Water Quality Control Board was one of the EWMPs incorporated into the GLAC IRWMP. In addition, four regional projects identified in the Beach Cities' EWMP, including the Hermosa Greenbelt Infiltration project, have been incorporated into the GLAC IRWMP. The GLAC IRWM Governance Structure creates a platform for water agencies, municipalities, environmental organizations and other stakeholder groups to discuss and share stormwater issues and ideas. The GLAC IRWMP has recurring monthly meetings with stakeholders to discuss regional collaborative efforts, such as those included in the EWMPs. There are also five Subregional Steering Committees which coordinate local outreach efforts and planning, and the Beach Cities EWMP participates in the South Bay Steering Committee. GLAC IRWM outreach activities are posted on the LA Water Plan website (LAWaterPlan.org).

The GLAC IRWM includes a Steering Committee dedicated to facilitating and supporting efforts to provide outreach activities to disadvantaged communities. A Disadvantaged Community Coordinator position was created to lead outreach efforts within the GLAC Region. In 2015 the Disadvantaged Community Coordinator led a Water Dialogue speaker series across Los Angeles to initiate discussions on water issues and to educate the public on water policy. The Disadvantaged Community Coordinator also played an active role in shaping legislation and the development of IRWM-related grant programs to maximize disadvantaged community priorities. The GLAC Disadvantaged Community Steering Committee is now preparing a 3-year outreach plan with stakeholders to utilize \$9.8 million of funding to the combined Los Angeles-Ventura Funding Area to support expansion of previous disadvantaged community outreach efforts. The grant will support widespread outreach for education, needs assessment, technical assistance, and project development.

In addition, the Los Angeles County Flood Control District (LACFCD) as a regional agency and a member of 18 of the EWMPs and WMPs, including the Beach Cities EWMP, recognized that implementation of the EMWPs and WMPs may potentially result in changes to environmental conditions. As a result, LACFCD prepared a Program Environmental Impact Report (PEIR) in compliance with the California Environmental Quality Act to provide the public and responsible agencies with information regarding the potential effects on the environment associated with

implementation of the EWMPs and WMPs. The PEIR was approved by the Los Angeles County Board of Supervisors in May 2015.

3 Local Community Participation and Public Engagement

In addition to the GLAC IRWM regional outreach efforts, the Beach Cities WMG conducts several local outreach programs as part of the SWRP implementation. The Beach Cities have established a Memorandum of Understanding for the Administration and Cost Sharing for Coordination and Implementation of the Coordinated Integrated Monitoring Program (CIMP Implementation MOU), which supports the Beach Cities EWMP and drives the EWMP adaptive management process. The CIMP Implementation MOU became effective on April 14, 2016 and includes funding and scope for watershed coordination activities including a number of tasks that facilitate public education and opportunities for public participation. The watershed coordination scope of work is adjusted annually to best address the watershed needs. The scope for reporting year 2017-18 includes the following relevant tasks that support public education and participation:

- Development and implementation of watershed-specific stormwater outreach materials in the form of website content and brochures for public dissemination
- Coordination and management of monthly WMG meetings
- Representation at IRWMP South Bay Steering Committee meetings
- Participation in Regional EWMP and CIMP Coordination meetings on behalf of the WMG
- Management of the Adaptive Management Evaluation Process of the Beach Cities EWMP which includes public input
- Pursuing opportunities to present the Beach Cities Program and projects at local and regional meetings
- Preparation of Watershed Joint Annual Reports to the Los Angeles Regional Water Quality Control Board evaluating progress toward achievement of the EWMP targets and milestones

3.1 Public Participation During Regional Project Implementation

Separate MOUs are to be developed for each joint regional project undertaken by the Beach Cities WMG, including the first such MOU currently being finalized for implementation of the Hermosa Greenbelt Infiltration Regional BMP. These MOUs include scopes of work for design and construction of regional projects and incorporate public participation at key points in the project design and construction including:

- City Council consideration and approval authorizing implementation of each regional project at award of design contract—City Council meetings are public and also can be viewed through public media feeds;
- Development of a CEQA-compliant evaluation of the project;
- Public workshops at the preliminary design phase to share project design concepts and solicit public input and participation, also available through public media feeds;
- Public groundbreaking event at the start of construction which are publicized via press release
- Coordination and outreach to local community immediately adjacent and others that may be affected during construction of the project
- Ribbon cutting at the conclusion of construction which are publicized via press release

In the case of individually implemented EWMP regional projects or distributed projects that do not require an MOU among the EWMP WMG members, the individual agency implementing the project will carry out the applicable public outreach elements for each project. One such multi-benefit regional project already completed by the City of Torrance is highlighted in Section 3.1.1.

3.1.1 [Torrance Stormwater Basins Recharge and Enhancement Project](#)

The Torrance Stormwater Basins Enhancement Project was approved by the Regional Board as the Beach Cities EWMP early-action project. This project enhanced three existing flood control basins to address multiple pollutants for a drainage area of approximately 1,500 acres within the Santa Monica Bay Watershed and provides multiple benefits by:

- Capturing stormwater;
- Providing groundwater recharge;
- Providing restored habitat to over 30 acres of open space;
- Harvesting rainwater to irrigate most of that open space;
- Providing recreational trails and viewing areas;
- Reducing 25 AFY of potable water demand by retrofitting a park and baseball fields to use recycled water;
- Retrofitting 180 catch basins with trash exclusion devices augmented by 1,800 signs prohibiting parking during scheduled street sweeping to address the Santa Monica Bay Debris TMDL impairment, and
- Providing educational opportunities about stormwater and native habitats in an urban environment through educational signage at the Henrietta and Entradero Basins.

A community meeting was held prior to design of the project. The project design approach was also presented at the California Storm Water Quality Association conference in September 2014. At the completion of the project, an open house was held for the community on November 7, 2015. Ongoing outreach occurs through monthly docent-led tours of the Henrietta Basin.

3.2 [Public Engagement and Education in Stormwater Pollution Prevention](#)

The Beach Cities EWMP includes enhancements to the 2012 LA MS4 Permit's Public Information and Participation Program that go beyond the minimum requirements. In some cases the Beach Cities WMG is leveraging resources of other local IRWM agencies and environmental organizations in implementing these outreach programs. Although the Beach Cities EWMP was recently approved in April 2016, a number of these programs are well underway. Examples are discussed in the following sections.

3.2.1 [Business Assistance Program for Food Service Establishments](#)

The Beach Cities WMG is coordinating closely with the Santa Monica Bay Foundation staff in implementing the Clean Bay Restaurant program by conducting annual inspections of food service establishments. The agencies utilize a comprehensive 34-point storm water inspection checklist that requires 100% compliance in order for the food service establishment to be awarded a Clean Bay Restaurant Certification by The Bay Foundation—this checklist far exceeds the minimum requirements of the 2012 LA MS4 Permit, as does the frequency of inspection. During the inspection, the facility is educated about stormwater and non-stormwater pollution.

Benefits of this certification include promotion of the food service establishment on The Bay Foundation's website and through social media.

During the 2015-16 reporting year, the Beach Cities agencies worked cooperatively with the Santa Monica Bay Foundation to update and revise the Clean Bay Certified program for restaurants. A revised inspection checklist was developed and the inspector's manual was revised to reflect the changes. A workshop for inspectors was hosted by the City of Torrance and attended by inspectors from all the Beach Cities WMG members. Following review and comment by Regional Board staff, the revised program was endorsed by the Executive Officer of the Regional Board as documented by a letter of support dated June 6, 2016.

3.2.2 Ocean Friendly Landscape Workshops

West Basin Municipal Water District, in partnership with Surfrider Foundation, provides free Ocean Friendly Landscape workshops for residents within the Beach Cities WMG to help them manage their landscapes more efficiently. The program consists of a classroom presentation along with a hands-on-workshop at a demonstration garden location. Topics covered in the workshops address both stormwater and non-stormwater pollutant source reduction. Residents learn about permeable pavement, drought-tolerant and native plants, proper use of mulch and smart irrigation control equipment. The objectives of these workshops is to teach participants to apply methods that will reduce water consumption, runoff and ocean pollution. As part of the Ocean Friendly Landscape program, West Basin periodically holds weather-based irrigation controller exchange events where customers can attend a 30-minute training on how to install and operate the weather-based irrigation controllers and then trade in their old, inefficient controllers for a new free controller. This program is promoted by each of the Beach Cities agencies through their websites and printed materials.

3.2.3 Rain Barrel Distribution

Rain barrel distribution or rebate programs engage and educate the community through active participation in stormwater capture and may serve as a stepping stone to more significant residential stormwater capture retrofit projects such as downspout disconnection into cisterns or rain gardens. From April 2014 through July 2016, West Basin Municipal Water District provided a free rain barrel program for residents within its service district, and distributed a total of 458 rain barrels to 301 residents in the Beach Cities WMG area. The program includes a 50-gallon capacity barrel equipped with overflow spout and built-in mosquito screen along with a rain gutter downspout flex arm hose connector.

In a separate program, the Metropolitan Water District of Southern California (MWD) provided \$75 rebates to residents within its service district who purchased their own barrels. A total of 391 rain barrel rebates were distributed to 140 residences within the Beach Cities WMG area by MWD³.

To date, a total of 441 residences have been retrofitted in the Beach Cities WMG area between the two programs. Each of these programs are promoted by the Beach Cities agencies through their websites and printed materials.

³ This data assumes that each rebate provided was for a single residence, and may underestimate the number of residences that have been retrofitted with rain barrels

3.2.4 Irrigation Reduction Incentives

West Basin Municipal Water District offers a Landscape Irrigation Efficiency Program for large landscape water users (residents and businesses) within its service area, including the Beach Cities WMG members. The program provides outdoor water evaluations which identify leaks, broken sprinklers and pipes, unnecessary runoff, sprinkler controller issues, and other water wasting problems in landscapes. The program includes sprinkler nozzle retrofits and an outdoor water use report complete with recommendations on more efficient outdoor watering habits.

Each of the Beach Cities agencies has installed water-wise gardens to demonstrate the use of drought-tolerant plants and water-efficient irrigation systems. Visitation of these gardens is promoted through the Beach Cities WMG's Integrated Pest Management website (which is described in Section 4.1.6 below)

3.2.5 Community Events

Each of the Beach Cities hosts a Coastal Cleanup Day event on its respective beach in partnership with Heal the Bay, the Ocean Conservancy and the California Coastal Commission. Each agency also hosts at least one other public outreach event each year, such as a household hazardous waste roundup, an Earth Day event or Safety Fair, which provide opportunities to disseminate information about stormwater and urban runoff pollution.

3.2.6 Pet Waste Collection Stations

Each of the Beach Cities equips its municipal parks with pet waste collection stations. In addition, the linear greenbelts that serve as jogging/walking paths through the cities of Hermosa Beach, Manhattan Beach and Redondo Beach are also equipped with pet waste collection stations, as well as The Strands in Hermosa and Manhattan Beach and the Esplanade in Redondo Beach. These pet waste stations serve as a behavior change catalyst for pet owners as well as a means of reducing pollutant loading.

3.2.7 IPM Website

The Beach Cities WMG has developed a website targeted at residents with information on sustainable gardening and landscaping practices, integrated pest management, and the safe use and disposal of pesticides and fertilizers. The website is hosted by the South Bay Environmental Services Center (SBESC), a clearinghouse for energy efficiency, water conservation and environmental information. The SBESC is a program of the South Bay Cities Council of Governments, a joint powers authority of 16 cities in the South Bay of Los Angeles along with the County of Los Angeles. The SBESC website is the central place for residents to explore information regarding environmental topics, and their E-newsletter has a circulation of nearly 15,500. The website also promotes visitation of the Beach Cities WMG's several water-efficient demonstration gardens by listing their location and showcasing photos.

3.2.8 Small Construction Site BMP Brochure

The Beach Cities WMG has developed a brochure which outlines the minimum required best management practices (BMPs) for construction projects that disturb less than one acre of soil (small construction sites). The brochure provides details on each of the required minimum BMPs, and includes an illustration depicting the minimum BMPs in place on a small construction site. Each of the Beach Cities agencies will distribute the brochure to contractors who apply for construction permits from their Planning Departments.

3.2.9 Downspout Disconnection Incentive Program

Public outreach is a major facet of the public retrofit incentives element of the Beach Cities EWMP, which is directed at incentivizing the public to decrease the amount of stormwater runoff from their property, specifically via downspout disconnects. Outreach for this incentive may occur in the form of direct conversations, a variety of media, and/or short training courses, for example. Structural BMPs proposed in the EWMP will also serve as public education opportunities in the form of onsite educational materials, such as signage posted at construction and completed sites.

Beach Cities WMG: Checklist and Self-Certification

Checklist Instructions:

For each element listed below, review the applicable section in the Storm Water Resource Plan Guidelines and enter ALL of the following information.

- A. Mark the box if the Storm Water Resource Plan, or a functional equivalent Plan, meets the provision
- B. In the provided space labeled References, enter:
 1. Title of document(s) that contain the information;
 2. The chapter/section, and page number(s) where the information is located within the document(s);
 3. The entity(ies) that prepared the document(s);
 4. The date the document(s) was prepared, and subsequent updates; and
 5. Where each document can be accessed¹ (website address or attached).

STORM WATER RESOURCE PLAN CHECKLIST AND SELF-CERTIFICATION		
Mandatory Required Elements per California Water Code are Shaded		
Yes/ No	Plan Element	Water Code Section

WATERSHED IDENTIFICATION (GUIDELINES SECTION VI.A)		
Yes	Plan identifies watershed and subwatershed(s) for storm water resource planning.	10565(c) 10562(b)(1) 10565(c)
References: Beach Cities Enhancement Watershed Management Plan (EWMP), Beach Cities Watershed Management Group, February 2016. Herein referred to as "Beach Cities EWMP." < http://www.swrcb.ca.gov/losangeles/water_issues/programs/stormwater/municipal/watershed_management/beach_cities/BeachCities_EWMP_February2016.pdf >, Section 2.1, Page 2-1 through 2-3; Section 3.1, Page 3-1 through 3-3		
Yes	Plan is developed on a watershed basis, using boundaries as delineated by USGS, CalWater, USGS Hydrologic Unit designations, or an applicable integrated regional water management group, and includes a description and boundary map of each watershed and sub-watershed applicable to the Plan.	
References: Beach Cities EWMP, Figure 1-1, Page 1-5; Section 2.1, Page 2-1 through 2-3; Figure 2-5, Page 2-25; Section 3.1, Page 3-1 through 3-3; Figure 3-3, Page 3-23.		

¹ All documents referenced must include a website address. If a document is not accessible to the public electronically, the document must be attached in the form of an electronic file (e.g. pdf or Word 2013) on a compact disk or other electronic transmittal tool.

**WATERSHED IDENTIFICATION
(GUIDELINES SECTION VI.A)**

Yes Plan includes an explanation of why the watershed(s) and sub-watershed(s) are appropriate for storm water management with a multiple-benefit watershed approach;

References:

Beach Cities EWMP, Section 2.1, Page 2-1 through 2-3; Section 3.1, Page 3-1 through 3-3.

Yes Plan describes the internal boundaries within the watershed (boundaries of municipalities; service areas of individual water, wastewater, and land use agencies, including those not involved in the Plan; groundwater basin boundaries, etc.; preferably provided in a geographic information system shape file);

References:

Beach Cities EWMP, Section 2.1, Page 2-1 through 2-3; Figure 2-5, Page 2-25; Section 3.1, Page 3-1 through 3-3; Figure 3-3, Page 3-23

City of Torrance 2010 Urban Water Management Plan (UWMP). SA Associates. July 2011. Herein referred to as "City of Torrance UWMP."
<http://www.water.ca.gov/urbanwatermanagement/2010uwmps/Torrance,%20City%20of/00%20Final%20Torrance%202010%20UWMP_07-28-11.pdf> Section 1.5, pg. 1-4; Figure 1.4, pg. 1-8.

City of Manhattan Beach 2010 UWMP. Stetson Engineers, Inc. December 2011. Herein referred to as "City of Manhattan Beach UWMP."
<http://www.water.ca.gov/urbanwatermanagement/2010uwmps/Manhattan%20Beach,%20City%20of/Manhattan_Beach_2010_UWMP_final_Dec2011.pdf> Section 2.2, pg. 2-4; Figure 2-1, pg. 2-2

2010 UWMP Dominguez District. California Water Service Company. June 2011. Herein referred to as "City of Dominguez District UWMP."

<http://www.water.ca.gov/urbanwatermanagement/2010uwmps/CA%20Water%20Service%20Co%20-%20Dominguez%20District/_DOM_UWMP_2010.pdf> Section 2, pg. 18-20

Dominguez District UWMP, Appendix B

<http://www.water.ca.gov/urbanwatermanagement/2010uwmps/CA%20Water%20Service%20Co%20-%20Dominguez%20District/Appendix%20B%20-%20SAM_4.pdf>

2010 UWMP Hermosa-Redondo District. California Water Service Company. June 2011. Herein referred to as "Hermosa-Redondo District UWMP."

<http://www.water.ca.gov/urbanwatermanagement/2010uwmps/CA%20Water%20Service%20Co%20-%20Hermosa%20Redondo%20District/_HR_UWMP_2010.pdf> Section 2, pg. 17-19;

Hermosa-Redondo District UWMP, Appendix B.

http://www.water.ca.gov/urbanwatermanagement/2010uwmps/CA%20Water%20Service%20Co%20-%20Hermosa%20Redondo%20District/Appendix%20B%20-%20SAM_5.pdf.

An Introduction to the Central and West Coast Groundwater Basins, Water Replenishment District (WRD) Technical Bulletin Volume 4, Summer 2005. <<http://www.wrd.org/engineering/introduction-groundwater-basins-los-angeles.php>>

Yes Plan describes the water quality priorities within the watershed based on, at a minimum, applicable TMDLs and consideration of water body-pollutant combinations listed on the State's Clean Water Act Section 303(d) list of water quality limited segments (a.k.a. impaired waters list);

References:

Beach Cities EWMP, Section 2.2, Page 2-4 through 2-17; Section 3.2; Page 3-4 through 3-19

Yes	Plan describes the general quality and identification of surface and ground water resources within the watershed (preferably provided in a geographic information system shape file);
<u>References:</u> Beach Cities EWMP, Figure 2-1, Page 2-2; Section 2.2.2 through Section 2.2.3, Page 2-6 through 2-17; Figure 3-1, Page 3-2; Section 3.2.2 through 3.2.3; Page 3-5 through 3-19	
Yes	Plan describes the local entity or entities that provide potable water supplies and the estimated volume of potable water provided by the water suppliers;
<u>References:</u> City of Torrance UWMP, Section 2.2, pg. 2-9 – 2-14. City of Manhattan Beach UWMP, Section 4.1, pg. 4-1 – 4-3. Dominguez District UWMP, Section 4.1, pg.43 – 44. Dominguez District UWMP, Appendix J, pg. V-1. http://www.water.ca.gov/urbanwatermanagement/2010uwmps/CA%20Water%20Service%20Co%20-%20Dominguez%20District/Appendix%20J%20-%20WRD%20Strategic%20Plan.pdf Hermosa-Redondo District UWMP, Section 4.1, pg. 47 - 48. Robert W. Goldsworthy Desalter Expansion Project. Prepared for WRD of Southern California. CH2MHill. February 2013. http://www.wrd.org/Goldsworthy-IS.pdf	
Yes	Plan includes map(s) showing location of native habitats, creeks, lakes, rivers, parks, and other natural or open space within the sub-watershed boundaries; and
<u>References:</u> Beach Cities EWMP, Figure 1-1, Page 1-5; Figure 2-2, Page 2-2. Figure 3-2, Page 3-3. Beach Cities CIMP, Figure 3, Page 10	
Yes	Plan identifies (quantitative, if possible) the natural watershed processes that occur within the sub-watershed and a description of how those natural watershed processes have been disrupted within the sub-watershed (e.g., high levels of imperviousness convert the watershed processes of infiltration and interflow to surface runoff increasing runoff volumes; development commonly covers natural surfaces and often introduces non-native vegetation, preventing the natural supply of sediment from reaching receiving waters).
<u>References:</u> Beach Cities EWMP, Section 1.1, Page 1-1 through 1-4; Section 1.3, Page 1-7 through 1-10; Section 2.2.3, Page 2-14 through 2-17; Section 3.2.3, Page 3-16 through 3-19	

**WATER QUALITY COMPLIANCE
(GUIDELINES SECTION V)**

Yes	Plan identifies activities that generate or contribute to the pollution of stormwater or dry weather runoff, or that impair the effective beneficial use of storm water or dry weather runoff.	10562(d)(7)
<u>References:</u> Beach Cities EWMP, Section 2.2.3, Page 2-14 through 2-17; Section 3.2.3, Page 3-16 through 3-19		
Yes	Plan describes how it is consistent with and assists in, compliance with total maximum daily load implementation plans and applicable national pollutant discharge elimination system permits.	10562(b)(5)
<u>References:</u> Beach Cities EWMP, Section 1.1, Page 1-1 through 1-4; Section 2.2, Page 2-4 through 2-17; Section 2.3.3, Page 2-19 through 2-23; Section 2.4 through Section 2.7, Page 2-23 through 2-71; Section 3.2, Page 3-4 through 3-20; Section 3.4 through 3.7, Page 3-21 through 3-53		
Yes	Plan identifies applicable permits and describes how it meets all applicable waste discharge permit requirements.	10562(b)(6)
<u>References:</u> Beach Cities EWMP, Section 1.1, Page 1-1 through 1-4; Section 2.7, Page 2-68 through 2-71; Section 3.7, Page 3-48 through 3-52; and Section 4.1, Page 4-1 through 4-6.		

**ORGANIZATION, COORDINATION, COLLABORATION
(GUIDELINES SECTION VI.B)**

Yes	Local agencies and nongovernmental organizations were consulted in Plan development.	10565(a)
<u>References:</u> Beach Cities EWMP, Section 1.3, Page 1-7 through 1-10		
Yes	Community participation was provided for in Plan development.	10562(b)(4)
<u>References:</u> Beach Cities EWMP, Section 1.3, Page 1-7 through 1-10		
Yes	Plan includes description of the existing integrated regional water management group(s) implementing an integrated regional water management plan.	
<u>References:</u> Beach Cities EWMP, Section 1.2 through 1.3, Page 1-4 through 1-10		

**ORGANIZATION, COORDINATION, COLLABORATION
(GUIDELINES SECTION VI.B)**

Yes	Plan includes identification of and coordination with agencies and organizations (including, but not limited to public agencies, nonprofit organizations, and privately-owned water utilities) that need to participate and implement their own authorities and mandates in order to address the storm water and dry weather runoff management objectives of the Plan for the targeted watershed.
<u>References:</u> Beach Cities EWMP, Section 1.3, Page 1-7 through 1-10; Section 7.1 through 7.2, Page 7- 1 through 7-7.	
Yes	Plan includes identification of nonprofit organizations working on storm water and dry weather resource planning or management in the watershed.
<u>References:</u> Beach Cities EWMP, Section 1.3, Page 1-7 through 1-10; Table 2-8, Page 3-42 through 2-47	
Yes	Plan includes identification and discussion of public engagement efforts and community participation in Plan development.
<u>References:</u> Beach Cities EWMP, Section 1.3, Page 1-7 through 1-10; Table 2-8, Page 3-42 through 2-47	
Yes	Plan includes identification of required decisions that must be made by local, state or federal regulatory agencies for Plan implementation and coordinated watershed-based or regional monitoring and visualization
<u>References:</u> Beach Cities EWMP, Section 5, Page 5-1 through 5-3 Beach Cities Coordinated Integrated Monitoring Program (CIMP), Beach Cities Watershed Management Group; September 2015. Herein referred to as "Beach Cities CIMP." < http://www.waterboards.ca.gov/losangeles/water_issues/programs/stormwater/municipal/watershed_management/beach_cities/Beach_Cities_CIMP.pdf >, Section 2, Page 17 through 25	
Yes	Plan describes planning and coordination of existing local governmental agencies, including where necessary new or altered governance structures to support collaboration among two or more lead local agencies responsible for plan implementation.
<u>References:</u> Beach Cities EWMP, Section 1.2 through 1.3, Page 1-4 through 1-10, Section 7, Pages 7-1 through 7-17	
Yes	Plan describes the relationship of the Plan to other existing planning documents, ordinances, and programs established by local agencies.
<u>References:</u> Beach Cities EWMP, Section 1.3, Page 1-8 through 1-10	
Yes	(If applicable)Plan explains why individual agency participation in various isolated efforts is appropriate.
<u>References:</u> Beach Cities EWMP, Section 1.2, Page 1-4, Section 1.2.1, Page 1-6 through 1-7, Section 2.2.2, Page 2-8 Section 2.3.3, Page 2-19 through Page 2-22	

QUANTITATIVE METHODS (GUIDELINES SECTION VI.C)

Yes	<p>For all analyses: Plan includes an integrated metrics-based analysis to demonstrate that the Plan's proposed storm water and dry weather capture projects and programs will satisfy the Plan's identified water management objectives and multiple benefits.</p> <p><u>References:</u> Beach Cities EWMP Section 2.4 through Section 2.7, Page 2-23 through 2-71; Section 3.4 through 3.7, Page 3-21 through 3-53</p>
Yes	<p>For water quality project analysis (section VI.C.2.a) Plan includes an analysis of how each project and program complies with or is consistent with an applicable NPDES permit. The analysis should simulate the proposed watershed-based outcomes using modeling, calculations, pollutant mass balances, water volume balances, and/or other methods of analysis. Describes how each project or program will contribute to the preservation, restoration, or enhancement of watershed processes (as described in Guidelines section VI.C.2.a)</p> <p><u>References:</u> Beach Cities EWMP Section 2.4 through Section 2.7, Page 2-23 through 2-71; Section 3.4 through 3.7, Page 3-21 through 3-53</p>
Yes	<p>For storm water capture and use project analysis (section VI.C.2.b): Plan includes an analysis of how collectively the projects and programs in the watershed will capture and use the proposed amount of storm water and dry weather runoff.</p> <p><u>References:</u> Beach Cities EWMP, Section 2.6.4, Page 2-52 through 2-68; Section 2.8.2 through 2.8.3, Page 2-71 through 2-72; Section 3.6.4, Page 3-39 through 3-48</p>
Yes	<p>For water supply and flood management project analysis (section VI.C.2.c): Plan includes an analysis of how each project and program will maximize and/or augment water supply.</p> <p><u>References:</u> Beach Cities EWMP, Section 2.6.4, Page 2-52 through 2-68; Section 2.8.2 through 2.8.4 and 2.8.6, Page 2-71 through 2-72; Section 3.6.4, Page 3-39 through 3-48</p>
Yes	<p>For environmental and community benefit analysis (section VI.C.2.d): Plan includes a narrative of how each project and program will benefit the environment and/or community, with some type of quantitative measurement.</p> <p><u>References:</u> Beach Cities EWMP, Section 2.6.4, Page 2-52 through 2-68; Section 2.8.1 and 2.8.4, Page 2-71 through 2-72; Section 3.6.4, Page 3-39 through 3-48</p>
Yes	<p>Data management (section VI.C.3): Plan describes data collection and management, including: a) mechanisms by which data will be managed and stored; b) how data will be accessed by stakeholders and the public; c) how existing water quality and water quality monitoring will be assessed; d) frequency at which data will be updated; and e) how data gaps will be identified.</p> <p><u>References:</u> Beach Cities EWMP, Section 5, Page 5-1 through 5-3 Beach Cities CIMP, Section 2.3, Page 26 through 28; Section 3.2 through 3.3, Page 30 through 31; Section 4.3, Page 50; Section 11, Page 69 through 71; Appendix D</p>

**IDENTIFICATION AND PRIORITIZATION OF PROJECTS
(GUIDELINES SECTION VI.D)**

Yes	Plan identifies opportunities to augment local water supply through groundwater recharge or storage for beneficial use of storm water and dry weather runoff.	10562(d)(1)
<u>References:</u> Beach Cities EWMP, Section 2.6.4, Page 2-52 through 2-68; Section 2.8, Page 2-71 through 2-72; Section 3.6.4, Page 3-39 through 3-48		
Yes	Plan identifies opportunities for source control for both pollution and dry weather runoff volume, onsite and local infiltration, and use of storm water and dry weather runoff.	10562(d)(2)
<u>References:</u> Beach Cities EWMP, Section 2.6, Page 2-39 through 2-68; Section 2.8, Page 2-71 through 2-72 ; Section 3.6, Page 3-35 through 3-48		
Yes	Plan identifies projects that reestablish natural water drainage treatment and infiltration systems, or mimic natural system functions to the maximum extent feasible.	10562(d)(3)
<u>References:</u> Beach Cities EWMP, Section 2.6.4, Page 2-52 through 2-68; Section 2.8, Page 2-71 through 2-72; Section 3.6.4, Page 3-39 through 3-48		
Yes	Plan identifies opportunities to develop, restore, or enhance habitat and open space through storm water and dry weather runoff management, including wetlands, riverside habitats, parkways, and parks.	10562(d)(4)
<u>References:</u> Beach Cities EWMP, Section 2.6.4, Page 2-52 through 2-68; Section 2.8, Page 2-71 through 2-72 ; Section 3.6.4, Page 3-39 through 3-48		
Yes	Plan identifies opportunities to use existing publicly owned lands and easements, including, but not limited to, parks, public open space, community gardens, farm and agricultural preserves, school sites, and government office buildings and complexes, to capture, clean, store, and use storm water and dry weather runoff either onsite or offsite.	10562(d)(5), 10562(b)(8)
<u>References:</u> Beach Cities EWMP, Section 2.6.4, Page 2-52 through 2-68; Section 3.6.4, Page 3-39 through 3-48		

**IDENTIFICATION AND PRIORITIZATION OF PROJECTS
(GUIDELINES SECTION VI.D)**

Yes	For new development and redevelopments (if applicable): Plan identifies design criteria and best management practices to prevent storm water and dry weather runoff pollution and increase effective storm water and dry weather runoff management for new and upgraded infrastructure and residential, commercial, industrial, and public development.	10562(d)(6)
------------	--	-------------

References:
Beach Cities EWMP, Section 2.6.3, Page 2-48 through 2-52; Section 3.6.3, Page 3-36 through 3-39

Yes	Plan uses appropriate quantitative methods for prioritization of projects. (This should be accomplished by using a metrics-based and integrated evaluation and analysis of multiple benefits to maximize water supply, water quality, flood management, environmental, and other community benefits within the watershed.)	10562(b)(2)
------------	---	-------------

References:
Beach Cities EWMP, Section 2.3 through 2.4, Page 2-18 through 2-34; Section 2.6.1, Page 2-39; Section 3.3 through 3.4, Page 3-19 through 3-31; Section 3.6.1, Page 3-35; Section 4, Page 4-1 through 4-7

Yes	<i>Overall:</i> Plan prioritizes projects and programs using a metric-driven approach and a geospatial analysis of multiple benefits to maximize water supply, water quality, flood management, environmental, and community benefits within the watershed.
------------	--

References:
Beach Cities EWMP, Section 2.4 through 2.7, Page 2-22 through 2-71; Section 3.4 through 3.7, Page 3-21 through 3-51

Yes	<i>Multiple benefits:</i> Each project in accordance with the Plan contributes to at least two or more Main Benefits and the maximum number of Additional Benefits as listed in Table 4 of the Guidelines. (Benefits are not counted twice if they apply to more than one category.)
------------	---

References:
Beach Cities EWMP, Section 2.6 and 2.8, Page 2-39 through 2-68, and Page 2-71 through 2-72, respectively; Section 3.6 and 3.8, Page 3-35 through 3-48, and page 3-52, respectively

**IMPLEMENTATION STRATEGIES AND SCHEDULE
(GUIDELINES SECTION VI.E)**

Yes	Plan identifies resources for Plan implementation, including: 1) projection of additional funding needs and sources for administration and implementation needs; and 2) schedule for arranging and securing Plan implementation financing.	
<u>References:</u> Beach Cities EWMP, Section 7, Page 7-1 through 7-17		
Yes	Plan projects and programs are identified to ensure the effective implementation of the storm water resource plan pursuant to this part and achieve multiple benefits.	10562(d)(8)
<u>References:</u> Beach Cities EWMP, Section 2.6, Page 2-39 through 2-68; Section 3.6, Page 3-36 through 3-48		
Yes	The Plan identifies the development of appropriate decision support tools and the data necessary to use the decision support tools.	10562(d)(8)
<u>References:</u> Beach Cities EWMP, Section 2.4, 2.5, and 2.7, Page 2-23 through 2-38, and Page 2-68 through 2-71; Section 3.4, 3.5, and 3.7, Page 3-21 through 3-35, and Page 3-48 through 3-52 Beach Cities CIMP, Section 2 through 6, Page 18 through 63		
Yes	Plan describes implementation strategy, including: a) Timeline for submitting Plan into existing plans, as applicable; b) Specific actions by which Plan will be implemented; c) All entities responsible for project implementation; d) Description of community participation strategy; e) Procedures to track status of each project; f) Timelines for all active or planned projects; g) Procedures for ongoing review, updates, and adaptive management of the Plan; and h) A strategy and timeline for obtaining necessary federal, state, and local permits.	
<u>References:</u> Beach Cities EWMP, Section 4, Page 4-1 through 4-7		
Yes	Applicable IRWM plan: The Plan will be submitted, upon development, to the applicable integrated regional water management (IRWM) group for incorporation into the IRWM plan.	10562(b)(7)
<u>References:</u> In Progress.		

**IMPLEMENTATION STRATEGIES AND SCHEDULE
(GUIDELINES SECTION VI.E)**

Yes	Plan describes how implementation performance measures will be tracked.
------------	---

References:

Beach Cities EWMP, Section 5, Page 5-1 through 5-3

**EDUCATION, OUTREACH, PUBLIC PARTICIPATION
(GUIDELINES SECTION VI.F)**



Yes	Outreach and Scoping: Community participation is provided for in Plan implementation.	10562(b)(4)
<p><u>References:</u> Beach Cities EWMP, , Section 1.3, Page 1-7 through 1-10; Table 2-8, Page 2-42 through 2-47; Section 2.8.4, Page 2-72; Section 7, Pages 7-1 through 7-17; Appendix L Beach Cities Watershed Management Group, July 2017. Functionally Equivalent Stormwater Resources Plan – Community Participation in Implementation. Greater Los Angeles County Integrated Regional Water Management Plan. http://www.ladpw.org/wmd/irwmp/index.cfm?fuseaction=documents LACFCD Functionally Equivalent Storm Water Resource Plan Framework. MOU between Beach Cities WMG for Implementation of the CIMP, April 12, 2016. Beach Cities CIMP, September 2015. City of Torrance, 2015. Stormwater Basin Enhancement Project – Final Project Report. July 9, 2015, pages 3-4.</p>		
Yes	Plan describes public education and public participation opportunities to engage the public when considering major technical and policy issues related to the development and implementation	
<p><u>References:</u> Beach Cities EWMP, Section 1.3, Page 1-7 through 1-10; Table 2-8, Page 2-42 through 2-47</p>		
Yes	Plan describes mechanisms, processes, and milestones that have been or will be used to facilitate public participation and communication during development and implementation of the Plan.	
<p><u>References:</u> Beach Cities EWMP, Section 1.3, Page 1-7 through 1-10; Table 2-8, Page 2-42 through 2-47</p>		
Yes	Plan describes mechanisms to engage communities in project design and implementation.	
<p><u>References:</u> Beach Cities EWMP, Section 1.3, Page 1-7 through 1-10; Section 5, Page 5-1 through 5-3; Table 2-8, Page 2-42 through 2-47.</p>		
Yes	Plan identifies specific audiences including local ratepayers, developers, locally regulated commercial and industrial stakeholders, nonprofit organizations, and the general public.	
<p><u>References:</u> Beach Cities EWMP, Section 1.3, Page 1-7 through 1-10; Table 2-8, Page 2-42 through 2-47</p>		

**EDUCATION, OUTREACH, PUBLIC PARTICIPATION
(GUIDELINES SECTION VI.F)**

Yes	Plan describes strategies to engage disadvantaged and climate vulnerable communities within the Plan boundaries and ongoing tracking of their involvement in the planning process.
<u>References:</u> Beach Cities EWMP, Section 1.1.3, Page 1-3, Section 1.3, Page 1-7 through 1-10; Section 5, Page 5-1 through 5-3; Table 2-8, Page 2-42 through 2-47	
Yes	Plan describes efforts to identify and address environmental injustice needs and issues within the watershed.
<u>References:</u> Beach Cities EWMP, Section 1.3, Page 1-7 through 1-10; Section 5, Page 5-1 through 5-3.	
Yes	Plan includes a schedule for initial public engagement and education.
<u>References:</u> Beach Cities EWMP, Section 1.3, Page 1-7 through 1-10; Section 5, Page 5-1 through 5-3.	

DECLARATION AND SIGNATURE

I declare under penalty of perjury that all information provided is true and correct to the best of my knowledge and belief.

 _____	<u>Public Works Director</u> _____	<u>8-17-17</u> _____
Signature	Title	Date
 _____	<u>City Manager</u> _____	<u>8-17-17</u> _____
Signature	Title	Date