

# SECTION 1

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## Executive Summary

### 1.1 Project Overview

West Basin Municipal Water District (West Basin) has prepared this Environmental Impact Report (EIR) pursuant to the California Environmental Quality Act (CEQA) Guidelines to evaluate the potential environmental impacts associated with implementing the proposed Ocean Water Desalination Project (Project). The proposed Project would include the construction of a new ocean water desalination facility that would produce 20 million gallons per day (MGD) of potable drinking water (the Local Project) and the potential future expansion of the facility to produce up to 60 MGD (the Regional Project). The desalination facility would be located at the existing El Segundo Generating Station (ESGS) on the Pacific Ocean coast within the city of El Segundo.

The Local Project would provide approximately 11 percent of West Basin’s water demand, relieving pressure on the heavily constrained supply of imported water available to West Basin. The new water source would increase the overall water supply reliability, drought resiliency, local control, and water security in the region. The Local Project would be used to serve communities within West Basin’s service area. The Regional Project would be initiated by West Basin in partnership with other local and regional partners, such as Metropolitan Water District of Southern California (MWD), to meet the demands and increase water supply reliability for a larger portion of the Southern California community. This Project Description describes the Local Project (20 MGD) at a “project level,” pursuant to CEQA Guidelines Section 15161, and while much of the Regional Project components are analyzed at a project-level, some of the Regional Project’s details concerning design and operational characteristics have not been determined, and therefore, they cannot be analyzed at the level of detail required for project-level analysis. As such, some aspects of the Regional Project (60 MGD) are analyzed at a “programmatic level,” pursuant to CEQA Guidelines Section 15168.

Because West Basin intends to apply to the State Revolving Fund (SRF) Program to finance the Project, this EIR is also a “CEQA-Plus” document that includes evaluation of consistency with federal regulations including the Endangered Species Act (ESA), the National Historic Preservation Act (NHPA), and the General Conformity Rule for the Clean Air Act (CAA), among others.

The purpose for this EIR is to provide adequate information for the public, stakeholders (including responsible, trustee and regulating agencies), and West Basin to evaluate the potential environmental impacts of the Project. Upon certification, this EIR will serve as the CEQA basis

for future permits or approvals of the Local Project. The Regional Project may require further CEQA review, subject to identification of specific regional partners and design concepts and associated further stakeholder consultation.

## 1.2 Project Objectives

West Basin's goal is to guarantee future water supply reliability for service area customers by adding a locally produced, drought-proof potable water source to the West Basin supply portfolio, consistent with goals for desalinated ocean water supplies identified in West Basin's 2015 Urban Water Management Plan. The need for water supply reliability has been highlighted by increased frequency and prolonged duration of recent droughts and decreasing reliability of imported water supplies.

The Project objectives of West Basin's proposed Ocean Water Desalination Project are to:

- Diversify West Basin's water source portfolio to increase reliability in the near and intermediate term (5–15 years) and the long term (15–30 years) while reducing reliance on imported water.
- Improve water security through West Basin's increased local control of water supplies and infrastructure.
- Improve West Basin's local control of future water costs and long-term price stability.
- Improve climate resiliency by developing a water source that is less susceptible to hydrologic variability.
- Develop a potable water supply that is economically viable and environmentally responsible.

## 1.3 Project Components

The key Project components include an ocean water desalination facility, a screened ocean intake and concentrate discharge system, and a desalinated water conveyance system:

- A new **ocean water desalination facility** consisting of a pretreatment system and a reverse osmosis (RO) system to be constructed at the existing El Segundo Generating Station (ESGS) site that would produce 20 MGD (expandable to 60 MGD) of potable drinking water.
- An **ocean water intake system and brine discharge system** consisting of repurposing and upgrading existing offshore intake and discharge tunnels that would deliver raw ocean water to the desalination facility and discharge concentrated seawater back to the ocean.
- A **desalinated water conveyance system** to be constructed inland of the ESGS to deliver potable water produced at the new desalination facility to the local and regional water supply systems.

The proposed ocean water desalination facility would be constructed at the existing 33-acre ESGS site, an industrial property located on the Santa Monica Bay coast at 301 Vista del Mar, El Segundo, California. The ESGS property is located in the South Bay region of Los Angeles County within West Basin's service area, just south of Los Angeles International Airport (LAX). The Project's proposed ocean desalination facility is bounded by the NRG Energy, Inc. (NRG)

natural gas fired electrical power plant and industrial facilities to the north, 45<sup>th</sup> Street and the City of Manhattan Beach to the south, the Chevron Oil Refinery and industrial facilities to the east, and El Segundo Beach and Pacific Ocean to the west.

Within the ESGS facility there are two potential locations for the proposed Project: one located at the northern portion of the ESGS site (North Site), and the other at the southern portion (South Site). The South Site is an approximate 13-acre area that was the previous site for two large above-ground fuel oil tanks, which were removed in 2013. The ESGS North Site is an approximate 8-acre area located in the middle of the ESGS property, which is the site of two NRG conventional steam turbine units (Units 3 and 4) that were decommissioned (December 2015) but are still existing on-site. These existing power generating stations would need to be demolished prior to constructing the Project on the North Site.

The Project's screened intake and concentrate discharge systems would utilize the existing tunnels that have supported the power plant cooling system. These existing ESGS intake/discharge tunnels extend westerly into the Pacific Ocean. The proposed Project would repurpose the tunnels to convey ocean water to the new treatment plant and to discharge concentrated brine back to the ocean. The ocean water intake system would intake raw ocean water through 1-mm (0.04 inch) wedgewire screens; while the concentrate discharge system would return a blend of concentrated ocean water from the RO process and treated backwash to the ocean through a diffuser system for dispersion. Product water conveyance lines would extend easterly within roadway right-of-ways located within various cities (i.e., El Segundo; Los Angeles; Gardena; Hawthorne; Lawndale; and Redondo Beach), and unincorporated Los Angeles County, connecting the new water source with MWD's existing potable water distribution system.

## 1.4 Mitigation Monitoring and Reporting

CEQA requires public agencies to adopt monitoring and reporting programs to ensure compliance with mitigation measures adopted or made conditions of project approval in order to mitigate or avoid the significant environmental effects identified in environmental impact reports. A Mitigation Monitoring and Reporting Program (MMRP) incorporating the mitigation measures set forth in this EIR will be prepared and approved by West Basin and any other identified responsible agencies concurrently with adoption of the findings of this EIR and prior to approval of the proposed Project.

## 1.5 Alternatives to the Proposed Project

An EIR must describe a range of reasonable alternatives to the proposed project or alternative project locations that could feasibly attain most of the basic project objectives and would avoid or substantially lessen any of the significant environmental impacts of the proposed project. The alternatives analysis must include the "No Project Alternative" as a point of comparison. The No Project Alternative includes existing conditions and reasonably foreseeable future conditions that would exist if the proposed project were not approved (CEQA Guidelines Section 15126.6).

The four CEQA alternatives evaluated in Section 7, *Alternatives to the Proposed Project* include the following:

- **No Project Alternative:** The No Project Alternative assumes that West Basin would continue to receive potable water supply from the existing sources that make up the West Basin water supply portfolio.
- **AES Redondo Beach Generating Station Alternative:** The AES Redondo Beach Generating Station Alternative considers the development of the Ocean Water Desalination Project located at the AES Corporation (AES) Redondo Beach Generating Station (RBGS).
- **Reduced Capacity Alternative:** The Reduced Capacity Alternative considers the development of an ocean water desalination facility located at the El Segundo Generating Station capable of producing 10 MGD of desalinated supplies.
- **Reduced Elevation – South Site Plan Alternative:** The Reduced Elevation – South Site Plan Alternative would install an ocean water desalination facility at the ESGS South Site that would have an aboveground roof elevation at-grade with the existing landscaped berm present at the site’s southern boundary. The Reduced Elevation – South Site Plan would involve extensive excavation activities in order to reduce the facility’s visibility from neighboring areas.

## 1.6 Areas of Controversy and Issues to Be Resolved

CEQA Guidelines Sections 15123 (b)(2) and (3) require that the EIR summary identify areas of controversy known to the lead agency, issues raised by agencies and the public, and issues to be resolved, including the choice among alternatives and whether, or how to, mitigate significant adverse physical impacts.

Based on West Basin’s review of available information and comments received from the general public and other public agencies in response to the Notice of Preparation and public scoping meetings, the following issues may be either controversial or require further resolution:

- Intake technology impacts, including the Project’s proposed screened ocean intake and its potential operational impingement and entrainment impacts to marine life.
- Brine discharge impacts, including the potential for the Project’s concentrate discharge system to impact marine life from turbulent discharge plumes and brine toxicity.
- Operational greenhouse gas emissions and energy requirements, including the concern over energy needs of seawater desalination.
- Project siting, including the Project’s potential aesthetic, land use compatibility, and noise impacts to neighboring residential development.
- Growth-inducing impacts, including consistency with local and regional growth plans.
- Alternatives to the proposed Project, particularly those that could reduce the Project’s potentially significant environmental impacts, as well as increased conservation, recycling or other alternatives.
- Cumulative impacts, including the Project’s potential combined effects when taken into consideration with other existing and proposed coastal developments and ocean water desalination proposals.

These issues have been considered in this EIR, where applicable.

## **1.7 Summary of Environmental Impacts and Mitigation Measures**

**Table 1-1** summarizes the impacts, mitigation measures, and unavoidable significant impacts identified and analyzed for the Local Project and Regional Project. Refer to the appropriate EIR Section for detailed information.

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**TABLE 1-1  
SUMMARY OF IMPACTS AND MITIGATION MEASURES**

Impact Statement	Construction or Operation	Local Project		Regional Project	
		Mitigation Measures	Level of Significance	Mitigation Measures	Level of Significance
<b>Aesthetics</b>					
Impact AES 5.1-1: Would the Project have a substantial adverse effect on a scenic vista?	<b>Construction</b>	<p><b>AES-1:</b> Prior to the start of construction, West Basin shall prepare a Construction Management Plan. The Construction Management Plan shall, at a minimum, indicate the equipment and vehicle staging areas, areas for stockpiling of materials, temporary opaque fencing material, and haul route(s). Staging areas shall be sited and/or screened to minimize public views to the maximum extent practicable. Construction haul routes shall minimize impacts to sensitive uses, including residents in the city of Manhattan Beach.</p> <p><b>AES-2:</b> Prior to the start of construction, West Basin shall confirm that rooftop mechanical and electrical equipment are screened or placed in areas that are not highly visible or screened from residential and public areas, where possible. Screening shall be architecturally compatible with the building materials and colors.</p> <p><b>AES-3:</b> Prior to the start of construction, West Basin shall confirm that wall features/fencing and outdoor enclosures that are visible from off-site areas are compatible in material, color, and design to adjacent structures, including the existing ESGS seawall, as well as the residential (El Porto) community to the south.</p> <p><b>AES-4:</b> Prior to the start of construction, West Basin shall develop a landscape plan that includes non-invasive, drought-tolerant or native species. Proposed landscaping shall be designed to screen proposed facilities and lighting features from residential uses and public beach areas, while maximizing open ocean views from 45th Street. Use of trees shall be limited to those with mature heights below building heights. The existing berm shall be re-landscaped to provide visual screening. Vegetated walls and rooftops shall be considered to blend the structures in with natural coastal bluff ecological values.</p>	Less than Significant Impact with Mitigation Incorporated	Implement Mitigation Measures AES-1 through AES-4.	Less than Significant Impact with Mitigation Incorporated
	<b>Operation</b>	Implement Mitigation Measures AES-2 through AES-4.	Less than Significant Impact with Mitigation Incorporated	Implement Mitigation Measures AES-1 through AES-4.	Less than Significant Impact with Mitigation Incorporated
Impact AES 5.1-2: Would the Project substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?	<b>Construction</b>	No mitigation is required.	No Impact	No mitigation is required.	No Impact
	<b>Operation</b>	No mitigation is required.	No Impact	No mitigation is required.	No Impact
Impact AES 5.1-3: Would the Project substantially degrade the existing visual character or quality of the site and its surroundings?	<b>Construction</b>	Implement Mitigation Measure AES-1.	Less than Significant Impact with Mitigation Incorporated	Implement Mitigation Measure AES-1.	Less than Significant Impact with Mitigation Incorporated
	<b>Operation</b>	Implement Mitigation Measures AES-2 through AES-4.	Less than Significant Impact with Mitigation Incorporated	Implement Mitigation Measures AES-2 through AES-4.	Less than Significant Impact with Mitigation Incorporated
Impact AES 5.1-4: Would the Project create a new source of substantial light or glare that would adversely affect daytime or nighttime views in the area?	<b>Construction</b>	<b>AES-5:</b> Prior to the start of construction, West Basin shall prepare a Construction Safety Lighting Plan. The plan shall demonstrate that all construction-related lighting is located and aimed away from adjacent residential and public beach areas and consists of the minimal wattage necessary to provide safety at the construction site.	Less than Significant Impact with Mitigation Incorporated	Implement Mitigation Measure AES-5.	Less than Significant Impact with Mitigation Incorporated
	<b>Operation</b>	<p><b>AES-6:</b> West Basin shall prepare an Outdoor Lighting Plan to ensure that any exterior lighting does not spill over onto the adjacent residential uses. All exterior light fixtures shall be shielded or directed away from adjoining uses. Landscape lighting levels shall respond to the type, intensity, and location of use accounting for safety and security for pedestrians and vehicles.</p> <p><b>AES-7:</b> Prior to the start of operation, West Basin shall paint or treat ocean water desalination facility structures visible to the public, such that their colors minimize visual intrusion and contrast by blending with the landscape; their surfaces do not create glare; and they are consistent with local laws, ordinances, regulations, and standards.</p>	Less than Significant Impact with Mitigation Incorporated	Implement Mitigation Measures AES-6 and AES-7.	Less than Significant Impact with Mitigation Incorporated

Impact Statement	Construction or Operation	Local Project		Regional Project	
		Mitigation Measures	Level of Significance	Mitigation Measures	Level of Significance
Cumulative Impacts Would the Project result in cumulative impacts associated with implementation of the Ocean Water Desalination Project?		Implement Mitigation Measures AES-1 through AES-7.	Less than Significant Impact with Mitigation Incorporated	Implement Mitigation Measures AES-1 through AES-7.	Less than Significant Impact with Mitigation Incorporated
<b>Air Quality</b>					
Impact AQ 5.2-1: Would the Project conflict with or obstruct implementation of the applicable air quality plan?	<b>Construction</b>	No mitigation is required.	Less than Significant Impact	No mitigation is required.	Less than Significant Impact
	<b>Operation</b>	No mitigation is required.	Less than Significant Impact	No mitigation is required.	Less than Significant Impact
Impact AQ 5.2-2: Would the Project violate any air quality standard or contribute substantially to an existing or projected air quality violation?	<b>Construction</b>	<p><b>AQ-1:</b> Prior to construction, West Basin shall confirm that the Grading Plan, Building Plans, and specifications stipulate that, in compliance with SCAQMD Rule 403, excessive fugitive dust emissions shall be controlled by regular watering or other dust prevention measures, as specified in the SCAQMD's Rules and Regulations. In addition, SCAQMD Rule 402 requires implementation of the following dust suppression techniques to prevent fugitive dust from creating a nuisance off-site and reduce construction-related fugitive dust impacts on nearby sensitive receptors:</p> <ul style="list-style-type: none"> <li>All active portions of the construction site shall be watered twice daily during daily construction activities, or as needed during wet weather, and when dust is observed migrating from the Project site to prevent excessive amounts of dust.</li> <li>Pave or apply water three times daily during daily construction activities or apply non-toxic soil stabilizers on all unpaved access roads, parking areas, and staging areas, during dry weather. More frequent watering shall occur if dust is observed migrating from the site during site disturbance.</li> <li>During dry weather, any on site stockpiles of debris, dirt, or other dusty material with five percent or greater silt contrast shall be enclosed, covered, watered twice daily, or non-toxic soil binders shall be applied.</li> <li>All grading and excavation operations shall be suspended when wind speeds exceed 25 miles per hour.</li> <li>Disturbed areas shall be replaced with ground cover or paved immediately after construction if completed in the affected area.</li> <li>Track-out devices such as gravel bed track-out aprons (3 inches deep, 25 feet long, 12 feet wide per lane and edged by rock berm or row of stakes) shall be installed to reduce mud/dirt track-out from unpaved truck exit routes. Alternatively, a wheel washer shall be used at truck exit routes. On-site vehicle speed shall be limited to 15 miles per hour.</li> <li>All material transported off-site shall be either sufficiently watered or securely covered to prevent excessive amounts of dust before departing the job site.</li> <li>Reroute construction trucks away from congested streets or sensitive receptor areas.</li> <li>Trucks associated with soil-hauling activities shall avoid residential streets and utilize designated truck routes to the extent feasible.</li> </ul> <p><b>AQ-2:</b> During construction, all trucks that are to haul excavated or graded material on site shall comply with State Vehicle Code Section 23114 (Spilling Loads on Highways), with special attention to Sections 23114(b)(F), (e)(4) as amended, regarding the prevention of such material spilling onto public streets and roads. Before grading, West Basin shall indicate on the applicable Grading Plan, Building Plans, and specifications how operations subject to these requirements will comply.</p> <p><b>AQ-3:</b> Prior to construction, the construction contractor shall provide evidence that the following measures will be implemented during construction:</p> <ul style="list-style-type: none"> <li>Provide temporary traffic controls such as a flag person, during all phases of construction to maintain smooth traffic flow.</li> <li>Provide dedicated turn lanes for movement of construction trucks and equipment on- and off-site.</li> <li>Improve traffic flow by signal synchronization, and ensure that all vehicles and equipment will be properly tuned and maintained according to manufacturers' specifications.</li> <li>Require the use of electricity from power poles rather than temporary diesel or gasoline powered generators, as feasible.</li> <li>Require the use of 2010 and newer diesel haul trucks (e.g., material delivery trucks and soil import/export) and if the lead agency determines that 2010 model year or newer diesel trucks cannot be obtained the</li> </ul>	Significant and Unavoidable Impact	Implement Mitigation Measures AQ-1 through AQ-3.	Significant and Unavoidable Impact

Impact Statement	Construction or Operation	Local Project		Regional Project	
		Mitigation Measures	Level of Significance	Mitigation Measures	Level of Significance
		lead agency shall use trucks that meet USEPA 2007 model year NO <sub>x</sub> emissions requirements. Additionally, consider other measures such as incentives, phase-in schedules for clean trucks, etc. during the construction period. <ul style="list-style-type: none"> <li>During Project construction, all internal combustion engines/construction equipment (including tug boats but excluding crew and bio-survey boats) operating on the Project site shall meet Tier 4 CARB/USEPA emission standards. If not already supplied with a factory equipped diesel particulate filter, all off-road diesel-powered construction equipment shall be outfitted with BACT devices certified by CARB. Any emissions control device used by the contractor shall achieve emission reductions that are no less than what could be achieved by a Level 3 diesel emissions control strategy for a similarly sized engine as defined by CARB regulations. In addition, construction equipment shall incorporate, where feasible, emissions savings technology such as hybrid drives and specific fuel economy standards. In the event that all off-road diesel-powered construction equipment cannot meet the Tier 4 engine certification, the applicant shall use alternative measures, which include, but would not be limited to, reduction in the number and/or horsepower rating of construction equipment, limiting the number of daily construction haul truck trips to and from the proposed Project, using cleaner vehicle fuel, and/or limiting the number of individual construction Project phases occurring simultaneously. The effectiveness of alternative measures must be demonstrated through future study with written findings supported by substantial evidence that is approved by the lead agency before use.</li> </ul>			
	Operation	No mitigation is required.	Less than Significant Impact	No mitigation is required.	Less than Significant Impact
Impact AQ 5.2-3: Would the Project result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors)?	Construction	Implement Mitigation Measures AQ-1 through AQ-3.	Significant and Unavoidable Impact	Implement Mitigation Measures AQ-1 through AQ-3.	Significant and Unavoidable Impact
	Operation	No mitigation is required.	Less than Significant Impact	No mitigation is required.	Less than Significant Impact
Impact AQ 5.2-4: Would the Project expose sensitive receptors to substantial pollutant concentrations?	Construction	Implement Mitigation Measures AQ-1 through AQ-3.	Less than Significant Impact with Mitigation Incorporated	Implement Mitigation Measures AQ-1 through AQ-3.	Less than Significant Impact with Mitigation Incorporated
	Operation	No mitigation is required.	Less than Significant Impact	No mitigation is required.	Less than Significant Impact
Impact AQ 5.2-5: Would the Project create objectionable odors affecting a substantial number of people?	Construction	No mitigation is required.	Less than Significant Impact	No mitigation is required.	Less than Significant Impact
	Operation	No mitigation is required.	Less than Significant Impact	No mitigation is required.	Less than Significant Impact
Cumulative Impacts Would the Project result in cumulative impacts associated with implementation of the Ocean Water Desalination Project?		Implement Mitigation Measures AQ-1 through AQ-3.	Significant and Unavoidable Impact	Implement Mitigation Measures AQ-1 through AQ-3.	Significant and Unavoidable Impact
<b>Biological Resources</b>					
Impact BIO 5.3-1: Would the Project have a substantial adverse effect, either directly or through habitat modifications, on	Construction	<b>BIO-1:</b> Prior to commencement of ground-disturbing activities, West Basin shall implement a WEAP to educate all construction personnel on the area's sensitive biological resources, environmental concerns, and mitigation. The WEAP must discuss the locations and types of sensitive biological resources on the Project site and adjacent areas, identify monitoring methods, and identify habitat protection measures.	Less than Significant Impact with Mitigation Incorporated	No mitigation is required.	Less than Significant Impact

Impact Statement	Construction or Operation	Local Project		Regional Project	
		Mitigation Measures	Level of Significance	Mitigation Measures	Level of Significance
species identified as a candidate, sensitive, or special-status species in local or regional plans, policies, or regulations, or by the CDFW or USFWS?		<p><b>BIO-2:</b> During site mobilization, demolition, and construction, West Basin shall monitor the on-shore construction site sufficiently to ensure that sensitive species are avoided. The extent of monitoring shall be determined by a qualified biologist. The qualified biologist shall prepare monthly reports identifying monitoring results for the duration of the construction period.</p> <p><b>BIO-3:</b> During construction, all trash and food-related waste shall be placed in self-closing containers and removed from the site weekly or more frequently. Workers shall not feed wildlife or bring pets to the Project site.</p> <p><b>BIO-4:</b> West Basin shall implement the following measures during construction and operation to prevent the spread and propagation of nonnative, invasive weeds:</p> <ul style="list-style-type: none"> <li>• Only weed-free straw, hay bales, and seed shall be used for erosion control and sediment barrier installations.</li> <li>• Invasive non-native species shall not be used in landscaping plans or erosion control.</li> <li>• Ongoing monitoring shall be conducted and control measures shall be rapidly implemented to ensure early detection and eradication of weed invasions.</li> </ul> <p><b>BIO-5:</b> Construction activities involving vegetation removal shall be conducted between September 1 and December 31. For construction occurs inside the nesting season between January 15 and August 31, West Basin shall conduct a pre-construction nesting avian species clearance survey in accordance with the following guidelines:</p> <p>a) At least one pre-construction survey shall be conducted within 72 hours preceding initiation of vegetation removal and construction activity. Additional follow-up surveys may be required if periods of construction inactivity exceed 3 weeks in any given area, an interval during which birds may establish a nesting territory and initiate egg laying and incubation.</p> <p>b) The survey shall cover all potential nesting habitat and substrate on the Project site and within 500 feet of its perimeter.</p> <p>c) If no active nests are identified, the construction work shall be allowed to proceed. The results of the clearance survey shall be documented in a report.</p> <p>d) If the qualified biologist finds an active nest during the survey and determines that the nest may be impacted, a no-disturbance buffer zone shall be established (protected areas around the nest). The size of the buffer shall be determined by the qualified biologist in consultation CDFW and USFWS, based on the nesting species, its sensitivity to disturbance, and expected types of disturbance. These buffers are typically 300 feet from the nests of non-listed passerine species and 500 feet from the nests of raptors and listed species.</p> <p>e) Any active nests observed during the survey shall be mapped on an aerial photograph using GPS.</p> <p>f) If active nests are detected during the survey, the qualified biologist shall monitor all nests at least once per week to determine whether birds are being disturbed. Activities that might, in the opinion of the qualified biologist, disturb nesting activities (e.g., excessive noise, exposure to exhaust), shall be prohibited within the buffer zone until such a determination is made. If signs of disturbance or distress are observed, the qualified biologist shall immediately implement adaptive measures to reduce disturbance. These measures may include, but are not limited to, increasing buffer size, halting disruptive construction activities in the vicinity of the nest until fledging is confirmed, or placement of visual screens or sound dampening structures between the nest and construction activity, reducing speed limits, replacing and updating noisy equipment, queuing trucks to distribute idling noise, locating vehicle access points and loading and shipping facilities away from noise-sensitive receptors, reducing the number of noisy construction activities occurring simultaneously, placing noisy stationary construction equipment in acoustically engineered enclosures and/or relocating them away from noise-sensitive receptors, and/or reorienting and/or relocating construction equipment to minimize noise at noise-sensitive receptors.</p> <p><b>BIO-6:</b> Prior to commencement of ground-disturbing activities, a qualified biologist shall conduct a pre-construction clearance survey for western snowy plover on and in the vicinity of the Project site. This shall include a focused search for western snowy plover in suitable habitat within 500 feet of proposed construction activities. Western snowy plover shall be avoided by workers waiting for western snowy plover to leave an area before working in it. If western snowy plovers are observed nesting within 500 feet of construction activities, a minimum buffer of 500 feet shall be delineated around the nest and monitored until the nest is no longer considered active.</p> <p><b>BIO-7:</b> A qualified biologist shall be present during all vegetation removal and construction on or immediately adjacent to the open beach. The qualified biologist shall be familiar with the identification of western snowy plover. The qualified biologist shall be responsible for ensuring that no snowy plovers are present within the construction zone.</p> <p><b>BIO-8:</b> Prior to commencement of ground-disturbing activities, all work areas shall be visibly flagged or staked. Construction activities shall be limited to these approved work areas except with prior authorization from regulatory agencies. No construction activities shall occur on the beach or in tidal waters without first</p>			

Impact Statement	Construction or Operation	Local Project		Regional Project	
		Mitigation Measures	Level of Significance	Mitigation Measures	Level of Significance
		receiving applicable permits and regulatory approvals from the USACE, RWQCB, CDFW, CCC, State Lands Commission, USFWS, and NMFS. <b>BIO-9:</b> One year prior to commencement of ground-disturbing activities, an El Segundo blue butterfly focused survey shall be conducted by a qualified biologist within areas of the Project site containing suitable habitat supporting coast buckwheat during the adult flight season (mid-June to early September). The adult flight stage of this species can last as little as 4 days to as much as 2 weeks per individual. If this species is found, ground-disturbing activities shall not occur within these areas until West Basin consults with the USFWS and determines if avoidance measures are possible or if an incidental take permit is required prior to Project construction.			
	<b>Operation</b>	No mitigation is required.	Less than Significant Impact	No mitigation is required.	Less than Significant Impact
Impact BIO 5.3-2: Would the Project have a substantial adverse effect on riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or by the CDFW or USFWS?	<b>Construction</b>	No mitigation is required.	No Impact	No mitigation is required.	No Impact
	<b>Operation</b>	No mitigation is required.	No Impact	No mitigation is required.	No Impact
Impact BIO 5.3-3: Would the Project have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, and coastal) through direct removal, filling, hydrological interruption, or other means?	<b>Construction</b>	No mitigation is required.	No Impact	No mitigation is required.	No Impact
	<b>Operation</b>	No mitigation is required.	No Impact	No mitigation is required.	No Impact
Impact BIO 5.3-4: The Project could interfere substantially with the movement of native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites.	<b>Construction</b>	No mitigation is required.	No Impact	No mitigation is required.	No Impact
	<b>Operation</b>	No mitigation is required.	No Impact	No mitigation is required.	No Impact
Impact BIO 5.3-5: Would the Project could conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	<b>Construction</b>	No mitigation is required.	Less than Significant Impact	No mitigation is required.	Less than Significant Impact
	<b>Operation</b>	No mitigation is required.	No Impact	No mitigation is required.	No Impact
Impact BIO 5.3-6 Would the Project could conflict with the provisions of an adopted habitat conservation plan, natural community conservation plan, or other approved local, regional, or state habitat conservation plan?	<b>Construction</b>	No mitigation is required.	No Impact	No mitigation is required.	No Impact
	<b>Operation</b>	No mitigation is required.	No Impact	No mitigation is required.	No Impact
Cumulative Impacts Would the Project result in cumulative impacts associated with implementation of the Ocean Water Desalination Project?	<b>Construction</b>	Implement Mitigation Measures BIO-1 through BIO-9.	Less than Significant Impact with Mitigation Incorporated	Implement Mitigation Measures BIO-1 through BIO-9.	Less than Significant Impact with Mitigation Incorporated

Impact Statement	Construction or Operation	Local Project		Regional Project	
		Mitigation Measures	Level of Significance	Mitigation Measures	Level of Significance
<b>Cultural Resources</b>					
Impact CUL 5.4-1: Would the Project cause a substantial adverse change in the significance of a historical resource, as defined in CEQA Guidelines Section 15064.5 to include physical demolition, destruction, relocation, or alteration of historical resources or of the immediate surroundings of historical resources, such that the significance of the resource could be materially impaired?	<b>Construction</b>	<p><b>CUL-1:</b> Prior to ground-disturbing activities, West Basin shall retain a Qualified Archaeologist defined as an archaeologist meeting the Secretary of the Interior's Standards for professional archaeology (U.S. Department of the Interior 2008). The Qualified Archaeologist shall be responsible for implementation of all cultural resources mitigation measures and will oversee Cultural Resource Monitors (CRMs) to monitor Project-related ground-disturbing activities. The CRMs shall have demonstrable monitoring experience and familiarity with the types of resources that may be encountered during Project-related ground-disturbing activities.</p> <p>West Basin shall ensure that the Qualified Archaeologist oversees construction monitoring, mitigation, and curation activities necessary; fulfills all the requirements of these measures; ensures that the Qualified Archaeologist obtains technical specialists and CRMs; and ensures that the Qualified Archaeologist evaluates any cultural resources that are newly discovered.</p> <p>A current schedule of anticipated Project activity shall be provided to the Qualified Archaeologist on a weekly basis during ground disturbance.</p> <p><b>CUL-2:</b> Prior to the start of any ground-disturbing activity, the Qualified Archaeologist or an archaeologist working under the supervision of the Qualified Archaeologist shall conduct WEAP for all construction personnel. Construction personnel will be informed of the applicable laws and penalties pertaining to archaeological resources, the types of archaeological resources that may be encountered, and of the proper procedures to be enacted in the event of an inadvertent discovery of archaeological resources or human remains. West Basin shall ensure that construction personnel are made available for and attend the training and retain documentation demonstrating attendance.</p> <p><b>CUL-3:</b> All Project related ground-disturbing activities occurring within the geological formations that have the potential to contain buried archaeological deposits shall be subject to archaeological and Native American monitoring. Prior to ground-disturbing activities, West Basin shall prepare a CRMMP that summarizes monitoring methodology, identifies specifically the portions of the Project that require monitoring based on archaeological sensitivity of the geological formation underlying the Project components, and provides general and specific measures to minimize potential impacts to inadvertent discoveries of archaeological resources. Copies of the CRMMP shall reside with the Qualified Archaeologist, each monitor, and West Basin.</p> <p><b>CUL-4:</b> The Qualified Archaeologist and the CRMs shall have the authority to halt construction if previously unknown cultural resource sites or materials are encountered. All construction activities within 50 feet of the find shall halt, and redirection of ground disturbance shall be accomplished under the direction of the construction supervisor. The Qualified Archaeologist shall determine what, if any, data recovery or other mitigation is needed. Construction in the area shall not resume until the Qualified Archaeologist has completed data collection activities and the resource has been recorded.</p> <p><b>CUL-5:</b> Within 90 days after completion of ground-disturbing activities, West Basin shall prepare a CRR that specifies all field activities including dates, times and locations, findings, samplings and analysis. All survey reports, DPR 523 forms, and additional research reports not previously submitted to the CHRIS shall be included as an appendix to the CRR.</p> <p>West Basin shall provide copies of the CRR to the curating institution (if archaeological materials were collected), the SHPO, and CHRIS.</p>	Less than Significant Impact with Mitigation Incorporated	Implement Mitigation Measures CUL-1 through CUL-5.	Less than Significant Impact with Mitigation Incorporated
	<b>Operation</b>	No mitigation is required.	No Impact	No mitigation is required.	No Impact
Impact CUL 5.4-2: Would the Project cause a substantial adverse change in the significance of an archaeological resource pursuant to Section 15064.5?	<b>Construction</b>	Implement Mitigation Measures CUL-1 through CUL-5.	Less than Significant Impact with Mitigation Incorporated	Implement Mitigation Measures CUL-1 through CUL-5.	Less than Significant Impact with Mitigation Incorporated
	<b>Operation</b>	No mitigation is required.	No Impact	No mitigation is required.	No Impact
Impact CUL 5.4-3: Would the Project directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	<b>Construction</b>	<p><b>CUL-6:</b> Prior to the start of any ground-disturbing activity, a Qualified Paleontologist meeting the SVP's professional standards (SVP 2010) shall be retained by West Basin. The Qualified Paleontologist shall be responsible for implementation of all mitigation measures pertaining to paleontological resources and will oversee Paleontological Resource Monitors (PRMs) to monitor Project-related ground-disturbing activities.</p> <p><b>CUL-7:</b> West Basin shall provide to the Qualified Paleontologist, maps and drawings showing the footprint of the Project components, construction laydown areas, and all related facilities. Maps shall identify all portions of Project sites where ground disturbance is anticipated. The plan drawings shall show the location, depth, and extent of all ground disturbances that involve excavations greater than 8 feet and extend into older Quaternary alluvial deposits, which have the potential to reveal significant fossil vertebrate specimens.</p>	Less than Significant Impact with Mitigation Incorporated	Implement Mitigation Measures CUL-6 though CUL-11.	Less than Significant Impact with Mitigation Incorporated
	<b>Operation</b>	No mitigation is required.	No Impact	No mitigation is required.	No Impact

Impact Statement	Construction or Operation	Local Project		Regional Project	
		Mitigation Measures	Level of Significance	Mitigation Measures	Level of Significance
		<p><b>CUL-8:</b> West Basin shall ensure that the Qualified Paleontologist prepares a PRMMP in accordance with SVP guidelines. The PRMMP shall function as the formal guide for monitoring, collecting, and sampling activities.</p> <p><b>CUL-9:</b> Prior to the start of any ground-disturbing activity, the Qualified Paleontologist shall conduct a WEAP training pertaining to paleontological resources for all construction personnel. Construction personnel will be informed of the types of paleontological resources that may be encountered, and of the proper procedures to be enacted in the event of an inadvertent discovery of paleontological resources. West Basin shall ensure that construction personnel are made available for and attend the training and retain documentation demonstrating attendance.</p> <p><b>CUL-10:</b> West Basin shall ensure that the PRMs monitor all construction-related grading, excavation, trenching, and boring in areas that involve excavations greater than 8 feet and extend into older Quaternary alluvial deposits, both at the desalination facility site and desalinated water conveyance pipeline alignment Project components. In the event that the Qualified Paleontologist determines full-time monitoring is not necessary in locations that were identified as potentially fossil-bearing in the PRMMP, monitoring activities may be modified, at the direction of the Qualified Paleontologist.</p> <p>West Basin shall ensure that the Qualified Paleontologist and PRMs have the authority to stop or redirect construction if a unique paleontological resource or site or unique geologic feature is encountered.</p> <p>West Basin shall ensure that the Qualified Paleontologist prepares a summary of monitoring and other paleontological activities that will be reported on monthly. The summary will include the name(s) of the Qualified Paleontologist or PRMs active during the month, general descriptions of training and monitored construction activities, and general locations of excavations, grading, and other activities. A section of the report shall include the geologic units or subunits encountered, descriptions of samplings within each unit, and a list of identified fossils. A final section of the report shall address any issues or concerns about the Project relating to paleontological monitoring, including any incidents of noncompliance or any changes to the monitoring plan.</p> <p><b>CUL-11:</b> West Basin shall ensure preparation of a PRR by the Qualified Paleontologist. The PRR shall be prepared following completion of the ground-disturbing activities. The PRR shall include an analysis of the recovered fossil materials, if any, and related information.</p> <p>The PRR shall include, but is not limited to, a description and inventory of recovered fossil materials; a map showing the location of paleontological resources encountered, if any; determinations of sensitivity and significance; and a statement by the Qualified Paleontologist that project impacts to unique paleontological resources or sites or unique geologic features have been mitigated.</p>			
	<b>Operation</b>	No mitigation is required.	No Impact	No mitigation is required.	No Impact
Impact CUL 5.4-4: Would the Project disturb any human remains, including those interred outside of formal cemeteries?	<b>Construction</b>	Implement Mitigation Measures CUL-1 through CUL-4.	Less than Significant Impact with Mitigation Incorporated	Implement Mitigation Measures CUL-1 through CUL-4.	Less than Significant Impact with Mitigation Incorporated
	<b>Operation</b>	No mitigation is required.	No Impact	No mitigation is required.	No Impact
Impact CUL 5.4-5: Would the Project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code Section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe?	<b>Construction</b>	No mitigation is required.	No Impact	No mitigation is required.	No Impact
	<b>Operation</b>	No mitigation is required.	No Impact	No mitigation is required.	No Impact
Cumulative Impacts Would the Project result in cumulative impacts associated with implementation of the Ocean Water Desalination Project?	<b>Construction</b>	Implement Mitigation Measures CUL-1 through CUL-11.	Less than Significant Impact with Mitigation Incorporated	Implement Mitigation Measures CUL-1 through CUL-11.	Less than Significant Impact with Mitigation Incorporated

Impact Statement	Construction or Operation	Local Project		Regional Project	
		Mitigation Measures	Level of Significance	Mitigation Measures	Level of Significance
<b>Energy</b>					
Impact ENERGY 5.1-1: Would the Project conflict with adopted energy conservation plans?	<b>Construction</b>	No mitigation is required.	Less than Significant Impact	No mitigation is required.	Less than Significant Impact
	<b>Operation</b>	No mitigation is required.	Less than Significant Impact	No mitigation is required.	Less than Significant Impact
Impact ENERGY 5.5-2: Would the Project violate state or federal energy standards?	<b>Construction</b>	No mitigation is required.	Less than Significant Impact	No mitigation is required.	Less than Significant Impact
	<b>Operation</b>	No mitigation is required.	Less than Significant Impact	No mitigation is required.	Less than Significant Impact
Impact ENERGY 5.5-3: Would the Project cause wasteful, inefficient, and unnecessary consumption of energy during construction, operation, and/or maintenance?	<b>Construction</b>	Implement Mitigation Measure GHG-1.	Less than Significant Impact with Mitigation Incorporated	Implement Mitigation Measure GHG-1.	Less than Significant Impact with Mitigation Incorporated
	<b>Operation</b>	Implement Mitigation Measure GHG-1.	Less than Significant Impact with Mitigation Incorporated	Implement Mitigation Measure GHG-1.	Less than Significant Impact with Mitigation Incorporated
Impact ENERGY 5.5-4: Would the Project result in an increase in demand for electricity or natural gas that exceeds available supply or distribution infrastructure capabilities that could result in the construction of new energy facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	<b>Construction</b>	No mitigation is required.	Less than Significant Impact	No mitigation is required.	Less than Significant Impact
	<b>Operation</b>	Implement Mitigation Measure GHG-1.	Less than Significant Impact with Mitigation Incorporated	Implement Mitigation Measure GHG-1.	Less than Significant Impact with Mitigation Incorporated
Cumulative Impacts Would the Project result in cumulative impacts associated with implementation of the Ocean Water Desalination Project?		Implement Mitigation Measure GHG-1.	Less than Significant Impact with Mitigation Incorporated	Implement Mitigation Measure GHG-1.	Less than Significant Impact with Mitigation Incorporated
<b>Geology and Soils</b>					
Impact GEO 5.6-1: Would the Project directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving: the rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault (refer to Division of Mines and Geology Special Publication 42); strong seismic ground shaking; seismic-related ground failure, including liquefaction, lateral spreading, and landslides?	<b>Construction</b>	No mitigation is required.	Less than Significant Impact	No mitigation is required.	Less than Significant Impact
	<b>Operation</b>	No mitigation is required.	Less than Significant Impact	No mitigation is required.	Less than Significant Impact

Impact Statement	Construction or Operation	Local Project		Regional Project	
		Mitigation Measures	Level of Significance	Mitigation Measures	Level of Significance
Impact GEO 5.6-2: Would the Project result in substantial soil erosion or the loss of topsoil?	Construction	No mitigation is required.	Less than Significant Impact	No mitigation is required.	Less than Significant Impact
	Operation	No mitigation is required.	No Impact	No mitigation is required.	No Impact
Impact GEO 5.6-3: Would the Project be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the Project, and potentially result in on- or off-site landslides, lateral spreading, subsidence, liquefaction, or collapse?	Construction	No mitigation is required.	Less than Significant Impact	No mitigation is required.	Less than Significant Impact
	Operation	No mitigation is required.	No Impact	No mitigation is required.	No Impact
Impact GEO 5.6-4: Would the Project could be located on expansive soil creating substantial risks to life or property?	Construction	No mitigation is required.	Less than Significant Impact	No mitigation is required.	Less than Significant Impact
	Operation	No mitigation is required.	Less than Significant Impact	No mitigation is required.	Less than Significant Impact
Impact GEO 5.6-5: Would the Project could have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of wastewater?	Construction	No mitigation is required.	No Impact	No mitigation is required.	No Impact
	Operation	No mitigation is required.	No Impact	No mitigation is required.	No Impact
Cumulative Impacts Would the Project result in cumulative impacts associated with implementation of the Ocean Water Desalination Project?	Operation	No mitigation is required.	Less than Significant Impact	No mitigation is required.	Less than Significant Impact
<b>Greenhouse Gas Emissions</b>					
Impact GHG 5.7-1: Would the Project generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment?	Construction	<p><b>GHG-1:</b> West Basin shall prepare an Energy Minimization and GHG Reduction Plan prior to the start of Project construction activities. The purpose of the plan is to document Project GHG emissions and the net incremental emissions required to be offset to achieve net carbon neutrality for the Project (no net increase in GHG emissions beyond emissions associated with an equivalent volume of imported MWD water).</p> <p>The Energy Minimization and GHG Reduction Plan shall include a summary of state-of-the-art energy recovery and conservation technologies available for utility-scale desalination facilities and shall include a commitment by West Basin to incorporate all available feasible energy recovery and conservation technologies, or, if West Basin finds that any of the technologies will not be feasible for the Project, the plan shall clearly explain why such technology is considered to be infeasible. The carbon footprint estimate for the Project shall include consideration of all proposed energy recovery and conservation technologies that will be employed by the Project, and shall describe the approximate GHG emissions reductions that will be associated with each technology.</p> <p>The Energy Minimization and GHG Reduction Plan shall include a detailed description of the GHG emissions footprint for all operational components of the approved Project based on manufacturer energy usage specification data for each piece of equipment and the most current power system emissions factor available for GHG emissions based on the energy portfolio of West Basin's electricity provider for the Project. The plan shall, at minimum, include the following elements:</p> <p>1) <b>Project GHG Emissions</b> – Given that the GHG estimates presented in the EIR document are based on current emission factors for electricity and equipment and transportation engines commonly used at this time, the calculations presented in the EIR represent a conservative estimate of Project GHG emissions since the emission factors will decrease as more renewable sources of electricity are used as required by SB 350. West Basin shall conduct additional analysis to update the GHG emission estimates based upon final design, equipment to be used, and other emission factors appropriate for the Project prior to construction. Upon completion of construction, West Basin shall conduct further analysis to determine the actual (or better estimate of) GHG emissions during the construction phase,</p>	Less than Significant Impact with Mitigation Incorporated	Implement Mitigation Measures GHG-1 and GHG-2.	Less than Significant Impact with Mitigation Incorporated

Impact Statement	Construction or Operation	Local Project		Regional Project	
		Mitigation Measures	Level of Significance	Mitigation Measures	Level of Significance
		<p>and these GHG emissions calculations shall be verified by a third-party accredited under ISO 14065<sup>1</sup> or other state-recognized accreditation standards. The updated GHG emissions shall be used as the basis for amortized construction GHG emissions (over 30 years of Project operation). The GHG emissions for Project operation shall be estimated based on the final design of the Project and the current applicable emission factors (updated annually thereafter). Annual GHG reporting requirements are described in Mitigation Measure GHG-2.</p> <p>2) <b>Updated MWD and Department of Water Resources GHG Emissions</b> – Updated emissions associated with importing water purchased from MWD shall be calculated annually.</p> <p>3) <b>GHG Mitigation Options</b> – The Energy Minimization and GHG Reduction Plan shall include GHG mitigation strategies that shall, at minimum, be sufficient to offset the Project’s incremental GHG emissions over the net zero threshold of significance and shall be verifiable and feasible to implement over the Project life. Subject to potential review and modification by permitting agencies, the plan shall include some or all of the following, depending on regulatory feasibility, technological feasibility, and availability:</p> <p>a. <b>Minimize Project’s Energy Demand.</b> West Basin is committed to constructing and operating an environmentally sound Project that minimizes electricity demand through implementation of reasonable and feasible design measures.</p> <p>b. <b>On-Site Renewable Energy Use.</b> During the design phase, West Basin would conduct analysis to optimize on-site renewable energy use to reduce further reduce Project GHG emissions, based on the site layout, environmental factors, and viable technology available.</p> <p>c. <b>Renewable Power Purchase Agreement.</b> West Basin will procure renewable energy from off-site sources within California via purchases from one or more of the following, depending on regulatory feasibility and availability: (a) SCE; (b) an electric service provider through Local Government Renewable Energy Self-Generation Bill Credit Transfer (with a 5 MW cap) (SCE 2016); (c) a community choice aggregator such as Los Angeles Clean Power Alliance or South Bay Clean Power; or (d) other renewable energy provider.</p> <p>d. <b>Renewable Energy Certificates.</b><sup>2</sup> Procure and retire Renewable Energy Certificates (also known as RECs, green tags, Renewable Energy Credits, Renewable Electricity Certificates, or Tradable Renewable Certificates) for projects or activities located in California.</p> <p>e. <b>Carbon Offsets.</b><sup>3</sup> Procure and retire Carbon Offsets, in a quantity needed to achieve net carbon neutrality for the Project. “Carbon Offset” means an instrument issued by an Approved Registry and shall represent the past reduction or sequestration of 1 metric ton of CO<sub>2</sub>e achieved by a GHG emission reduction project or activity within California. “Approved Registry” means: (i) the Climate Action Reserve, the American Carbon Registry, the Verified Carbon Standard, or the Clean Development Mechanism or (ii) any other entity approved by CARB to act as an “offset project registry” under the state’s Cap-and-Trade Program.</p> <p>West Basin shall implement items a. and b. and progress through the remainder (items c. through e.) on the basis of the options’ physical and economic feasibility, as reasonably determined by West Basin, with low-cost options preferred over high-cost options. In the event that options have equivalent costs, options enumerated higher in the above list shall be selected by West Basin over options enumerated later in the above list.</p> <p><b>GHG-2:</b> West Basin shall prepare and publish an annual GHG Report to quantify annual GHG emissions resulting from Project operation and the annual GHG emissions avoided by not using imported water sources. The sum of the GHG emissions from Project operation and the amortized construction emissions minus the avoided GHG emissions from not using imported water would be used to determine the annual incremental GHG emissions that must be mitigated by the Project. The findings of this report shall be validated and verified by a third-party accredited under a state-recognized standard, such as ISO 14065 or similar. If the amount of GHG emissions that West Basin mitigates for in a given year exceed the actual net GHG emissions for that year (i.e., GHG emissions from the Project minus the avoided GHG emissions from not using imported water), then West Basin may choose to reduce the amount of GHG emissions to be mitigated in the following year<sup>4</sup> However, should the opposite be true, West Basin must make up GHG mitigation</p>			

<sup>1</sup> ISO 14065: Greenhouse gases -- Requirements for greenhouse gas validation and verification bodies for use in accreditation or other forms of recognition, International Organization for Standardization, Switzerland.

<sup>2</sup> Renewable energy certificates, or RECs, represent one megawatt hour (MWh) of energy generated from a clean, renewable source, such as wind, solar, hydro, or certain types of renewable biomass. Since these renewable energy resources generate little to no carbon as they produce energy, they represent an indirect emission reduction, whereby a “clean” energy source “offsets” the demand for “dirty” fossil-fueled energy.

<sup>3</sup> Carbon offsets, also known as VERs or CRTs (carbon reduction tons), represent the act of reducing, avoiding, destroying or sequestering the equivalent of a ton of greenhouse gas (GHG) in one place to “offset” an emission taking place somewhere else. Offsets generally represent direct emission reductions or sequestration -- for example, the destruction of methane emitted from decaying manure at a dairy farm. So they can be used to offset direct emissions, like those from Scope I in a company’s footprint.

<sup>4</sup> Following year means that the year immediately after the year being reported.

Impact Statement	Construction or Operation	Local Project		Regional Project	
		Mitigation Measures	Level of Significance	Mitigation Measures	Level of Significance
		<p>differences in the following year. Such makeup mitigation shall be verified and validated in the following year's report.</p> <p>The schedule of GHG reports and verification and validation activities shall be as follows:</p> <p><b>Year Prior to Opening</b></p> <ol style="list-style-type: none"> <li>Finalize total construction emissions based on method described in the Energy Minimization and GHG Reduction Plan and calculate annualized emissions to be amortized over 30 years.</li> <li>Estimate GHG emissions for projected energy consumption in Year 1 of operation based on the final design calculated using the method described in the Energy Minimization and GHG Reduction Plan and using updated applicable emissions factors.</li> <li>Estimate avoided GHG emissions from imported water in year 1 of operation based on updated emissions factors applicable.</li> <li>Calculate GHG emissions to be mitigated.</li> <li>Implement GHG mitigation strategy identified for Year 1.</li> <li>Publish third-party validated and verified GHG report.</li> </ol> <p><b>Year 1 of Operation and On</b></p> <ol style="list-style-type: none"> <li>Implement GHG mitigation strategy based on estimated emissions and collect energy consumption data.</li> </ol> <p><b>Year 2 of Operation and On</b></p> <ol style="list-style-type: none"> <li>Calculate actual GHG emissions from prior year (Year 1 and on) of Project operation and add to amortized calculated construction emissions.</li> <li>Calculate avoided GHG emissions from imported water in prior year (Year 1) operation.</li> <li>Identify mitigation requirement for Year 1 (actual emissions minus avoided emissions). For any over-mitigation (credit) apply to current year (Year 2) mitigation requirement; for any under-mitigation add to current year (Year 2) mitigation requirement.</li> </ol> <p>Publish third-party validated and verified GHG Report.</p>			
	<b>Operation</b>	Implement Mitigation Measures GHG-1 and GHG-2.	Less than Significant Impact with Mitigation Incorporated	Implement Mitigation Measures GHG-1 and GHG-2.	Less than Significant Impact with Mitigation Incorporated
Impact GHG 5.7-2: Would the Project conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs?	<b>Construction</b>	No mitigation is required.	Less than Significant Impact	No mitigation is required.	Less than Significant Impact
	<b>Operation</b>	Implement Mitigation Measures GHG-1 and GHG-2.	Less than Significant Impact with Mitigation Incorporated	Implement Mitigation Measures GHG-1 and GHG-2.	Less than Significant Impact with Mitigation Incorporated
Cumulative Impacts Would the Project result in cumulative impacts associated with implementation of the Ocean Water Desalination Project?	<b>Operation</b>	Implement Mitigation Measures GHG-1 and GHG-2.	Less than Significant Impact with Mitigation Incorporated	Implement Mitigation Measures GHG-1 and GHG-2.	Less than Significant Impact with Mitigation Incorporated
<b>Hazards and Hazardous Materials</b>					
Impact HAZ 5.8-1: Would the Project create significant hazard to the public or the environment through the routine use or accidental release of hazardous materials during transport, use, or disposal of hazardous materials?	<b>Construction</b>	<p><b>HAZ-1:</b> No less than 30 days prior to site disturbance activity (North Site or South Site), West Basin (or its designee) shall prepare and submit a Waste Management Plan to the DTSC and the ESFD (the local CUPA) for their review and approval, and to other local agencies, if applicable, for review and comment. The Waste Management Plan shall include, but not be limited to, the following:</p> <ul style="list-style-type: none"> <li>A description of all waste streams, including projections of frequency, amounts generated, and hazard classifications; methods of managing each waste, including storage, treatment methods, and companies contracted with for treatment services; waste testing methods to ensure correct classification; methods of transportation, disposal requirements and disposal sites; and recycling and waste minimization/reduction plans.</li> </ul>	Less than Significant Impact with Mitigation Incorporated	Implement Mitigation Measures HAZ-1 through HAZ-6.	Less than Significant Impact with Mitigation Incorporated

Impact Statement	Construction or Operation	Local Project		Regional Project	
		Mitigation Measures	Level of Significance	Mitigation Measures	Level of Significance
		<ul style="list-style-type: none"> <li>Procedures for managing excavated soil, which may contain residual chemicals such as gasoline that migrated from the adjacent Chevron Refinery (either the North Site or South Site), chemicals from the ESGS operation, and/or fuel from the former fuel storage tanks (South Site). The procedures shall include the designation of a state-registered Professional Engineer or Professional Geologist to oversee soil excavation and, if necessary, investigation and cleanup in the event that contamination is encountered; sampling procedures to assess the nature and extent of contamination; and reporting and notification requirements.</li> <li>Procedures for managing groundwater generated from dewatering activities, which may encounter groundwater contaminated with residual chemicals that migrated from the adjacent Chevron Refinery (either the North Site or South Site), chemicals from the ESGS operation, and/or fuel from the former fuel storage tanks (South Site). The procedures shall include the designation of a state-registered Professional Engineer or Professional Geologist to oversee dewatering activities and if necessary, investigation and cleanup in the event that contamination is encountered; sampling procedures to assess the nature and extent of contamination; and reporting and notification requirements.</li> <li>If the North Site is selected, the Waste Management Plan shall include a work plan for conducting a hazardous building materials survey of the Unit 3 and Unit 4 structures to be demolished and removed. The materials to be surveyed shall include but not be limited to ACM, LBP, PCBs in fluorescent light ballasts, and/or mercury in fluorescent light tubes.</li> <li>If the North Site is selected, the Waste Management Plan shall include a description of the berm or other structures around Units 3 and 4 to prevent runoff.</li> </ul> <p><b>HAZ-2:</b> The construction contractor(s) shall prepare and implement site-specific Project Demolition and Construction Health and Safety Plans as required by and in accordance with 29 CFR 1910.120 to protect construction workers and the public during all excavation, grading, construction, and demolition activities. This Health and Safety Plan shall be submitted to West Basin and the ESFD Environmental Safety Division for review prior to commencement of construction. The Health and Safety Plan shall include, but is not limited to, the following elements:</p> <ul style="list-style-type: none"> <li>Designation of a trained, experienced site safety and health supervisor who has the responsibility and authority to develop and implement the site Health and Safety Plan.</li> <li>A summary of all potential risks to construction workers and maximum exposure limits for all known and reasonably foreseeable site chemicals.</li> <li>Specified personal protective equipment and decontamination procedures, if needed.</li> <li>Emergency procedures, including directions to the nearest hospital.</li> <li>Procedures to be followed in the event that evidence of potential soil or groundwater contamination (such as soil staining, noxious odors, debris, or buried storage containers) is encountered. These procedures shall be in accordance with hazardous waste operations regulations and specifically include, but are not limited to, the following: immediately stopping work in the vicinity of the unknown hazardous materials release; notifying ESFD Environmental Safety Division, the DTSC, or Los Angeles RWQCB, as appropriate; and retaining a qualified environmental firm to perform sampling and remediation.</li> </ul> <p><b>HAZ-3:</b> West Basin shall prepare an Anchoring Plan that applies to all ships, barges, and other ocean-going vessels and describes procedures for deploying, using, and recovering anchorages. The Anchoring Plan shall include, but not be limited to, the following elements:</p> <ul style="list-style-type: none"> <li>A brief overview of the Project objectives.</li> <li>Description of anchor set and anchor leg (wires, winches, and other support equipment).</li> <li>Description of vessels to be anchored and support tugs to be used.</li> <li>Description and delineation of safety zone and anchor zone, including identification and mapping all areas of kelp, seagrasses, and hard substrate found within the work area.</li> <li>Identification of Contractor Vessels and Buoys, including daylight and nighttime marking schemes.</li> <li>Anchoring procedures.</li> <li>Local notice to U.S. Coast Guard and mariners.</li> <li>All elements of the Anchoring Plan shall be in compliance with U.S. Coast Guard regulations.</li> </ul> <p><b>HAZ-4:</b> The Marine Safety Plan would apply to all marine construction activities that would take place for the improvements to the screened ocean intake and concentrate discharge pipes. The purpose would be to provide a precise set of procedures and protocols that will be used by the marine contractors during the marine portions of the construction work, with a focus on personal, environmental, and vessel safety. The Marine Safety Plan shall include, but not be limited to, the following elements:</p>			

Impact Statement	Construction or Operation	Local Project		Regional Project	
		Mitigation Measures	Level of Significance	Mitigation Measures	Level of Significance
		<ul style="list-style-type: none"> <li>A brief overview of the Project objectives.</li> <li>Distribution of Marine Safety Plan, which shall include the U.S. Coast Guard, each vessel involved in the marine activities, all environmental monitors, and all support radio operators.</li> <li>Training for the Project manager for marine activities, vessel operators, field supervisors, and environmental monitors.</li> <li>Description of marine Project location.</li> <li>Description of marine operations protocols.</li> <li>Description of critical operations and curtailment plan, including offshore fueling procedures and storm procedures.</li> <li>Marine communications plan.</li> <li>Marine transportation plan for barges, tugboats, crewboats, and other vessels.</li> <li>Navigational marking and lighting plan.</li> <li>All elements of the Marine Safety Plan shall be in compliance with U.S. Coast Guard regulations.</li> </ul> <p><b>HAZ-5:</b> West Basin shall prepare a Marine Oil Spill Response Plan that would apply to all powered vessels used in support of the screened ocean intake and concentrate discharge construction activities. The purpose would be to provide a precise set of procedures and protocols that would be utilized in the event of an offshore fuel, oil, or hazardous materials spill resulting from construction activities (e.g., marine fuel and oil). The Marine Oil Spill Response Plan shall include but not be limited to the following elements:</p> <ul style="list-style-type: none"> <li>A brief overview of the Project objectives.</li> <li>Definition of major and minor spills.</li> <li>Description of spill sources.</li> <li>Description of spill response team and equipment.</li> <li>Notification requirements, including names and phone numbers of agencies to be notified, along with an information checklist of the incident.</li> <li>Description of marine spill scenarios and response procedures.</li> <li>All elements of the Oil Spill Response Plan shall be in compliance with U.S. Coast Guard regulations.</li> </ul> <p><b>HAZ-6:</b> The Diver Safety Plan would apply to all construction activities that require the use of divers. The purpose would be to provide a precise set of procedures and protocols that will be used by the marine contractors during the marine portions of the construction work that require divers, with a focus on personal safety. The Diver Safety Plan shall include, but not be limited to, the following elements:</p> <ul style="list-style-type: none"> <li>A brief overview of the Project objectives.</li> <li>A description of the diving techniques and equipment that will be used to support the underwater work activities. This section will also include a description of the procedures that will be used to perform each underwater operation.</li> <li>A description of the job safety analysis tool that will be used to prepare for each day's diving operations.</li> <li>An evacuation plan for evacuating injured divers.</li> <li>A contact list for local emergency services organizations and facilities.</li> <li>Incorporation of U.S. Coast Guard and Occupational Safety and Health Administration (OSHA) safety regulations.</li> </ul>			
	<b>Operation</b>	Implement Mitigation Measures HAZ-3 through HAZ-6.	Less than Significant Impact with Mitigation Incorporated	Implement Mitigation Measures HAZ-3 through HAZ-6.	Less than Significant Impact with Mitigation Incorporated
Impact HAZ 5.8-2: Would the Project emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	<b>Construction</b>	Implement Mitigation Measures HAZ-1 and HAZ-2.	Less than Significant Impact with Mitigation Incorporated	Implement Mitigation Measures HAZ-1 and HAZ-2.	Less than Significant Impact with Mitigation Incorporated
	<b>Operation</b>	No mitigation is required.	No Impact	No mitigation is required.	No Impact

Impact Statement	Construction or Operation	Local Project		Regional Project	
		Mitigation Measures	Level of Significance	Mitigation Measures	Level of Significance
Impact HAZ 5.8-3: Would the Project be located on a site that is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?	Construction	Implement Mitigation Measures HAZ-1 and HAZ-2.	Less than Significant Impact with Mitigation Incorporated	Implement Mitigation Measures HAZ-1 and HAZ-2.	Less than Significant Impact with Mitigation Incorporated
	Operation	No mitigation is required.	No Impact	No mitigation is required.	No Impact
Impact HAZ 5.8-4: Would the Project be located within an area covered by an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport, public use airport, or private and would result in a safety hazard for people residing or working in the Project area?	Construction	No mitigation is required.	No Impact	No mitigation is required.	No Impact
	Operation	No mitigation is required.	No Impact	No mitigation is required.	No Impact
Impact HAZ 5.8-5: Would the project be located within an area covered by an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, and would result in a safety hazard for people residing or working in the project area?	Construction	Implement Mitigation Measures TRA-1.	Less than Significant Impact with Mitigation Incorporated	Implement Mitigation Measures TRA-1.	Less than Significant Impact with Mitigation Incorporated
	Operation	No mitigation is required.	Less than Significant Impact	No mitigation is required.	Less than Significant Impact
Impact HAZ 5.8-6: Would the Project expose people or structures to a significant risk of loss, injury or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?	Construction	No mitigation is required.	No Impact	No mitigation is required.	No Impact
	Operation	No mitigation is required.	No Impact	No mitigation is required.	No Impact
Cumulative Impacts Would the Project result in cumulative impacts associated with implementation of the Ocean Water Desalination Project?		Implement Mitigation Measures HAZ-1 through HAZ-6, TRA-1.	Less than Significant Impact with Mitigation Incorporated	Implement Mitigation Measures HAZ-1 through HAZ-6, TRA-1.	Less than Significant Impact with Mitigation Incorporated
<b>Hydrology and Water Quality</b>					
Impact HYDRO 5.9-1: Would construction of the Project violate water quality standards and/or Waste Discharge Requirements, provide substantial additional sources of polluted runoff, or otherwise substantially degrade water quality?	Construction	Implement Mitigation Measure HAZ-5.	Less than Significant Impact with Mitigation Incorporated	No mitigation is required.	Less than Significant Impact
	Operation	No mitigation is required.	Less than Significant Impact	No mitigation is required.	Less than Significant Impact
Impact HYDRO 5.9-2: Would Project operation violate water quality standards and/or Waste Discharge Requirements, provide substantial additional sources of polluted runoff, or otherwise substantially degrade water quality?	Construction	No mitigation is required.	Less than Significant Impact	No mitigation is required.	Less than Significant Impact
	Operation	No mitigation is required.	Less than Significant Impact	No mitigation is required.	Less than Significant Impact

Impact Statement	Construction or Operation	Local Project		Regional Project	
		Mitigation Measures	Level of Significance	Mitigation Measures	Level of Significance
Impact HYDRO 5.9-3: Would the Project deplete groundwater supplies or interfere substantially with groundwater recharge?	Construction	No mitigation is required.	Less than Significant Impact	No mitigation is required.	Less than Significant Impact
	Operation	No mitigation is required.	Less than Significant Impact	No mitigation is required.	Less than Significant Impact
Impact HYDRO 5.9-4: Would the Project facilities substantially alter the existing drainage patterns in a manner which would result in substantial erosion or siltation on- or off-site?	Construction	No mitigation is required.	Less than Significant Impact	No mitigation is required.	Less than Significant Impact
	Operation	No mitigation is required.	Less than Significant Impact	No mitigation is required.	Less than Significant Impact
Impact HYDRO 5.9-5: Would the Project substantially alter the existing drainage patterns or substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site?	Construction	No mitigation is required.	Less than Significant Impact	No mitigation is required.	Less than Significant Impact
	Operation	No mitigation is required.	Less than Significant Impact	No mitigation is required.	Less than Significant Impact
Impact HYDRO 5.9-6: Would the Project expose people or structures to a significant risk of loss, injury, or death involving flooding, including flooding as a result of tsunami or coastal flooding due to sea-level rise?	Construction	No mitigation is required.	Less than Significant Impact	No mitigation is required.	Less than Significant Impact
	Operation	<b>HYDRO-1:</b> West Basin shall contract a California licensed engineer to prepare a Coastal Hazard Resiliency Study focused on the ESGs site, consistent with the methods for assessing sea-level rise in the CCC's Sea Level Rise Policy Guidance (CCC 2015), over the Project planning horizon. Recommendations in the Study shall be incorporated into the design and construction specifications of the Project as applicable. At a minimum, the study shall:  a) Incorporate, and update as necessary, information concerning baseline conditions at the desalination plant, and future projections (both with and without sea-level rise) concerning: i) Erosion rates and patterns, including scour ii) Sand supply sequestering or loss as a result of Project design iii) Wave impacts and wave runup, including wave runup from a 100-year storm, and based on tides, other water level changes, and future beach erosion iv) Flooding from extreme events such as storms with intervals greater than 100 years or tsunamis v) Potential for exposure of Project infrastructure over the Project lifetime vi) Potential cumulative effects of the Project on the identified coastal process elements with applicable existing or future projects	Less than Significant Impact with Mitigation Incorporated	Implement Mitigation Measure HYDRO-1.	Less than Significant Impact with Mitigation Incorporated
Cumulative Impacts Would the Project result in cumulative impacts associated with implementation of the Ocean Water Desalination Project?		Implement Mitigation Measure HYDRO-1 and HAZ-5.	Less than Significant Impact with Mitigation Incorporated	Implement Mitigation Measure HYDRO-1.	Less than Significant Impact with Mitigation Incorporated
<b>Land Use and Planning</b>					
Impact LU 5.10-1: Would the project physically divide an established community?	Construction	No mitigation is required.	No Impact	No mitigation is required.	No Impact
	Operation	No mitigation is required.	No Impact	No mitigation is required.	No Impact
Impact LU 5.10-2: Would the Project conflict with any applicable land use plan, policy, or regulation of an agency with jurisdiction over the Project (California Coastal Act, Sea Level Rise Policy	Construction	No mitigation is required.	Less than Significant Impact	No mitigation is required.	Less than Significant Impact
	Operation	Implement Mitigation Measures AES-2, AES-3, and AES-4.	Less than Significant Impact with	Implement Mitigation Measures AES-2, AES-3, and AES-4.	Less than Significant Impact with

Impact Statement	Construction or Operation	Local Project		Regional Project	
		Mitigation Measures	Level of Significance	Mitigation Measures	Level of Significance
Guidance, and EL Segundo LCP) adopted for the purpose of avoiding or mitigating an environmental effect?			Mitigation Incorporated		Mitigation Incorporated
Impact LU 5.10-3: Would the Project conflict with any applicable land use plan, policy, or regulation of an agency with jurisdiction over the Project (SLC) adopted for the purpose of avoiding or mitigating an environmental effect?	Construction	No mitigation is required.	Less than Significant Impact	No mitigation is required.	Less than Significant Impact
	Operation	No mitigation is required.	Less than Significant Impact	No mitigation is required.	Less than Significant Impact
Impact LU 5.10-4: Would the Project conflict with any applicable land use plan, policy, or regulation of an agency with jurisdiction over the Project (El Segundo General Plan) adopted for the purpose of avoiding or mitigating an environmental effect?	Construction	No mitigation is required.	No Impact	No mitigation is required.	No Impact
	Operation	No mitigation is required.	Less than Significant Impact	No mitigation is required.	Less than Significant Impact
Impact LU 5.10-5: Would the Project conflict with any applicable land use plan, policy, or regulation of an agency with jurisdiction over the Project (El Segundo Municipal Code) adopted for the purpose of avoiding or mitigating an environmental effect?	Construction	No mitigation is required.	No Impact	No mitigation is required.	No Impact
	Operation	No mitigation is required.	Less than Significant Impact	No mitigation is required.	Less than Significant Impact
Impact LU 5.10-6: Would the Project conflict with any applicable HCP or natural community conservation plan?	Construction	No mitigation is required.	No Impact	No mitigation is required.	No Impact
	Operation	No mitigation is required.	No Impact	No mitigation is required.	No Impact
Cumulative Impacts Would the Project result in cumulative impacts associated with implementation of the Ocean Water Desalination Project?		Implement Mitigation Measures AES-2, AES-3, and AES-4.	Less than Significant Impact with Mitigation Incorporated	Implement Mitigation Measures AES-2, AES-3, and AES-4.	Less than Significant Impact with Mitigation Incorporated
<b>Marine Biological Resources</b>					
Impact BIO-M 5.11-1: Would the Project have a substantial adverse effect, either directly or through habitat modifications, including direct disturbance, removal, filling, hydrological interruption, or discharge, on any species, natural community, or habitat, including candidate, sensitive, or special-status species identified in local or regional plans, policies, regulations or conservation plans (including protected wetlands or waters, critical habitat, EFH) or as identified by the CDFW, USFWS, or NMFS?	Construction	Implement Mitigation Measures HAZ-4 and HAZ-5. <b>BIO-M1:</b> Pile Driving Noise Reduction for Protection of Fish and Marine Mammals: Prior to the initiation of any offshore pile driving activities for the Project, West Basin shall prepare a Construction Plan that outlines the details of the piling installation approach. The information provided in this plan shall include, but not be limited to: <ul style="list-style-type: none"><li>The type of piling and piling size to be used</li><li>The method of pile installation to be used</li><li>Noise levels for the type of piling to be used and the method of pile driving (vibratory or impact)</li><li>Calculation of potential underwater noise levels that could be generated during pile driving using methodologies outlined in Caltrans 2015 and NOAA 2016b</li><li>A schedule of when pile-driving would occur</li></ul> If the results of the calculations provided in the detailed Construction Plan for pile-driving indicate that underwater noise levels are < 183 dB for fish at a distance of ≤ 10 meters and 120 dB for marine mammals for a distance ≤ 500 meters, then no further measures are required to mitigate underwater noise. If calculated noise levels are > 183 dB at ≤ 10 meters or 120 dB at a distance of ≤ 500 meters, then West Basin shall develop a NMFS-approved sound attenuation reduction and monitoring plan. This plan shall detail the sound attenuation system, detail methods used to monitor and verify sound levels during pile-placement activities, and describe all BMPs undertaken to reduce impact hammer pile-driving sound in the	Less than Significant Impact with Mitigation Incorporated	Implement Mitigation Measure BIO-M1.	Less than Significant Impact with Mitigation Incorporated

Impact Statement	Construction or Operation	Local Project		Regional Project	
		Mitigation Measures	Level of Significance	Mitigation Measures	Level of Significance
		<p>marine environment to an intensity level of less than 183 and 120 dB. The sound-monitoring results shall be made available to NMFS.</p> <p>The plan shall incorporate, but not be limited to the following BMPs:</p> <ul style="list-style-type: none"> <li>• Pile -driving shall be conducted only between June and November to avoid gray whale migration, unless NMFS in their Section 7 consultation with the USACE determines that the potential effect to marine mammals is less than significant.</li> <li>• A 1,600-foot (500-meter) safety zone shall be established and maintained around the sound source for the protection of marine mammals and sea turtles in the event that sound levels are unknown or cannot be adequately predicted.</li> <li>• Work activities shall be halted when a marine mammal or sea turtle enters the 1,600-foot (500-meter) safety zone, and shall cease until the mammal has been gone from the area for a minimum of 15 minutes.</li> <li>• A "soft start" technique shall be used in all impact hammer sourced pile driving, giving marine mammals an opportunity to vacate the area.</li> <li>• A NMFS-approved biological monitor will conduct daily surveys before and during impact hammer pile driving to inspect the work zone and adjacent Santa Monica Bay waters for marine mammals. The monitor will be present as specified by NMFS Fisheries during the pile-driving phases of construction.</li> <li>• Other BMPs will be implemented as necessary, such as bubble curtains or an air barrier, to reduce underwater noise levels to NMFS established acute and chronic levels within a distance of 500 meters (1,600 feet), if feasible.</li> <li>• Alternatively, West Basin may consult with NMFS directly and submit evidence to the satisfaction of the Environmental Review Officer. In such case, West Basin shall comply with NMFS recommendations and/or requirements.</li> </ul>			
	Operation	<p><b>BIO-M2:</b> Entrainment Mitigation: Entrainment of fish and invertebrate larvae, either directly through the West Basin screened ocean intake or through outfall discharge turbulence, regardless of magnitude, will result in some loss of marine ecosystem productivity, species diversity, and trophic level energy transfer.</p> <p>As part of, and in support of, the Water Code Section 13142.5(b) determination process with the RWQCB, West Basin will develop and conduct an assessment of larval entrainment of both its ocean water intake and its ocean outfall, such that the magnitude of the Project's effect on the marine ecosystem can be more accurately determined and mitigated. The assessment shall estimate the marine life mortality resulting from operation of the facility after implementation of the facility's required site, design, and technology measures. For operational mortality related to intakes, the marine life mortality report shall include a detailed entrainment study. The entrainment assessment period shall be at least 12 consecutive months and sampling shall be designed to account for variation in oceanographic or hydrologic conditions and larval abundance and diversity such that abundance estimates are reasonably accurate. This new assessment will include, but not be limited to:</p> <ul style="list-style-type: none"> <li>• Evaluating the population and abundance of fish and invertebrate larvae that are entrained through the 1 mm wedgewire screens.</li> <li>• Evaluating the magnitude of fish and invertebrate larvae damage and mortality resulting from passage through outfall dispersal jet turbulence. The report shall use any acceptable approach approved by the RWQCB for evaluating mortality that occurs due to shearing stress resulting from the facility's discharge.</li> </ul> <p>Assessment data will be used to recalculate ETM and APF estimates for the Project, which will form the basis of the required habitat restoration or mitigation fee payment. The APF calculation will take into account habitat affinities as designated by Allen and Pondella (2006), where important fish species that spend portions of their natural history in more than one marine habitat, such as kelp bass, barred sand bass, sea bass, and rockfish, are assigned a 1:1 mitigation ratio and open coast soft bottom habitat fish species are assigned a 10:1 mitigation ratio.</p> <p>This loss will be compensated for by either direct or indirect habitat restoration consistent with California Ocean Plan Chapter III.M.2.e.(3) or by providing monetary payments to an appropriate State-approved fee-based mitigation program consistent with California Ocean Plan Chapter III.M.2.e.(4), or a combination of the two. If elected by the Project, habitat restoration will occur at a location of sufficient marine acreage or alternative coastal lagoon/estuary acreage (e.g. Ballona Wetland Restoration Project), and in a manner acceptable to the RWQCB as part of the Project's permitting process. Final determination of the appropriate mitigation shall be determined by the RWQCB with consideration for: (1) existing level of wetland function at the site prior to mitigation; (2) resulting level of wetland function expected at the mitigation site after the Project is fully successful; (3) length of time before the mitigation is expected to be fully successful; (4) risk that the mitigation project may not succeed; and (5) differences in the location of the lost wetland and the mitigation wetland that affect the services and values they have the capacity and opportunity to generate,</p>	Less than Significant Impact with Mitigation Incorporated	Implement Mitigation Measure BIO-M2.	Less than Significant Impact with Mitigation Incorporated

Impact Statement	Construction or Operation	Local Project		Regional Project	
		Mitigation Measures	Level of Significance	Mitigation Measures	Level of Significance
		consistent with the OPA. As such, mitigation for Project impacts may ultimately be provided at a ratio greater than 10:1, based upon the final determination made by the RWQCB.  If the RWQCB determines that an appropriate fee-based mitigation program has been established by a public agency, however, and if that payment of a fee to the mitigation program will result in the creation and ongoing implementation of a mitigation project that meets the requirements of California Ocean Plan Chapter III.M.2.e.(3), West Basin shall pay a fee to the mitigation program in lieu of completing a mitigation project as an alternative.			
Impact BIO-M 5.11-2: Would the Project threaten to eliminate a marine plant or animal wildlife community or cause a fish or marine wildlife population to drop below self-sustaining levels?	Construction	No mitigation is required.	Less than Significant Impact	No mitigation is required.	Less than Significant Impact
	Operation	Implement Mitigation Measure BIO-M2.	Less than Significant Impact with Mitigation Incorporated	Implement Mitigation Measure BIO-M2.	Less than Significant Impact with Mitigation Incorporated
Impact BIO-M 5.11-3: Would the project interfere substantially with the movement of any native resident or migratory fish or marine wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native marine wildlife nursery sites?	Construction	Implement Mitigation Measures HAZ-4, HAZ-5, and BIO-M1.	Less than Significant Impact with Mitigation Incorporated	Implement Mitigation Measures HAZ-4 and HAZ-5.	Less than Significant Impact with Mitigation Incorporated
	Operation	No mitigation is required.	Less than Significant Impact	No mitigation is required.	Less than Significant Impact
Impact BIO-M 5.11-4: Would the project introduce or spread an invasive non-native species?	Construction	<b>BIO-M3: Preventing the Introduction of Invasive Non-Native Species:</b> All Project barges and support vessels shall: (1) originate from POLA/POLB; (2) be continuously based out of POLA/POLB since last dry docking; or (3) have underwater surfaces cleaned before entering the Southern California waters point and immediately prior to transiting to the Project offshore construction area. Additionally, and regardless of vessel size, ballast water for all Project vessels must be managed consistent with California State Lands Commission (CSLC) ballast management regulations, and Biofouling Removal and Hull Husbandry Reporting Forms shall be submitted to CSLC staff.	Less than Significant Impact with Mitigation Incorporated	Implement Mitigation Measure BIO-M3.	Less than Significant Impact with Mitigation Incorporated
	Operation	Implement Mitigation Measure BIO-M3.	Less than Significant Impact with Mitigation Incorporated	Implement Mitigation Measure BIO-M3.	Less than Significant Impact with Mitigation Incorporated
Cumulative Impacts Would the Project result in cumulative impacts associated with implementation of the Ocean Water Desalination Project?		Implement Mitigation Measures HAZ-4, HAZ-5, and BIO-M1 through BIO-M3.	Less than Significant Impact with Mitigation Incorporated	Implement Mitigation Measures HAZ-4, HAZ-5, and BIO-M1 through BIO-M3.	Less than Significant Impact with Mitigation Incorporated
<b>Noise</b>					
Impact NOI 5.12-1: Would the Project expose people to or generate a substantial temporary or permanent increase in ambient noise levels in the vicinity of the Project in excess of standards established in the local General Plan or noise ordinance, or applicable standards of other agencies?	Construction	<b>NOI-1:</b> Prior to construction, West Basin shall ensure that the contractor specifications stipulate that: <ul style="list-style-type: none"> <li>All construction equipment, fixed or mobile, is equipped with properly operating and maintained mufflers and other state-required noise attenuation devices.</li> <li>When feasible, construction haul routes shall avoid noise-sensitive uses (e.g., residences, convalescent homes).</li> <li>During construction, stationary construction equipment shall be placed such that emitted noise is directed away from the nearest noise-sensitive receptors.</li> <li>Construction activities that generate noise shall not take place outside of the allowable hours specified by ESMC Section 7-2-10 (allows construction between the hours of 7:00 AM and 6:00 PM Monday through Saturday) for conveyance pipeline installation, and Manhattan Beach Municipal Code Section 5.48.060 (allows construction between 7:30 AM and 6:00 PM Monday through Friday, and from 9:00 AM to 6:00 PM</li> </ul>	Significant and Unavoidable Impact	Implement Mitigation Measures NOI-1 through NOI-3.	Significant and Unavoidable Impact

Impact Statement	Construction or Operation	Local Project		Regional Project	
		Mitigation Measures	Level of Significance	Mitigation Measures	Level of Significance
		<p>on Saturdays) for noise-generating activities to be taken place at the ESGS sites and offshore. Construction shall be prohibited on Sundays and federal holidays.</p> <p><b>NOI-2:</b> Throughout Project construction and operation, West Basin shall document, investigate, evaluate, and attempt to resolve all Project-related noise complaints as soon as possible.</p> <ul style="list-style-type: none"> <li>West Basin shall establish and disseminate a 24/7 hotline telephone number for use by the public to report any undesirable Project noise conditions. If the telephone number is not staffed 24 hours per day, West Basin shall include an automatic answering feature with date and time stamp recording to answer calls when the phone is unattended.</li> <li>West Basin shall designate a Noise Disturbance Coordinator during construction and permanently once the facility is operational. The Noise Disturbance Coordinator shall assist in resolving noise complaints to minimize impacts while maintaining the objectives of the construction and operation of the facility. The Noise Disturbance Coordinator shall report all noise complaints to the West Basin program manager.</li> <li>For construction noise complaints received outside of the construction hours and days allowed as described by Mitigation Measure NOI-1, the Noise Disturbance Coordinator shall take immediate steps to determine whether Project construction is causing the noise and, if so, to reduce the noise level of that activity or take other appropriate action to remedy the complaint as quickly as possible.</li> <li>For construction activities near local residences, the Noise Disturbance Coordinator shall have the authority to require the installation of a temporary noise barrier to reduce noise impacts to the closest sensitive receptors. The noise barriers shall be tall enough to effectively block sight-lines of the construction to the closest residences. The contractor shall install noise barriers as directed by the Noise Disturbance Coordinator to minimize construction noise and resolve noise complaints.</li> <li>Deliveries to the treatment facility normally shall not occur before 7:00 AM or after 10:00 PM on weekdays or between 9:00 AM and 6:00 PM on Saturdays, and are not allowed on Sundays. Oversized loads and other heavy-duty vehicles would primarily get to and from the site using main traffic conduits such as Vista Del Mar and Imperial Hwy except for special circumstances to minimize traffic load in residential areas. If for reasons of critical operational needs these hours must be violated, West Basin shall notify adjacent residences of the unusual circumstance at least 2 days in advance.</li> <li>On-site activities outside of enclosures shall not result in noise standard exceedances identified in the local noise ordinances.</li> </ul> <p><b>NOI-3:</b> West Basin shall determine the feasibility of using construction methods that avoid percussive pile driving. Other methods of pile installation such as vibratory or drilling shall be investigated during development of final designs and implemented if feasible.</p>			
	<b>Operation</b>	<p>Implement Mitigation Measure NOI-2.</p> <p><b>NOI-4:</b> West Basin shall ensure that the ocean water desalination facility, pump stations, and all noise-generating equipment are designed to meet exterior daytime and nighttime noise standards at the closest sensitive receptors. West Basin shall require that acoustic treatments be included in Project designs to enclose sound-generating equipment sufficient to meet nighttime exterior noise standards adopted in the City of El Segundo and City of Manhattan Beach Noise Ordinances. Once equipment is installed and operating, noise levels shall be monitored to ensure compliance with the applicable noise standards. If stationary noise exceeds the City of El Segundo's or City of Manhattan Beach's standards, an acoustical engineer shall be retained to install additional noise attenuation measures to meet the applicable noise standard.</p>	Less than Significant Impact with Mitigation Incorporated	Implement Mitigation Measures NOI-2 and NOI-4.	Less than Significant Impact with Mitigation Incorporated
Impact NOI 5.12-2: Would the Project expose people or structures to, or generate, excessive ground-borne vibration or ground-borne noise levels?	<b>Construction</b>	<p><b>NOI-5:</b> Prior to conducting sheet piling installation activities within 100 feet of the existing Chevron tank, West Basin shall conduct a vibration analysis of the local impact area to evaluate the potential for the construction methods to damage the tank. If vibration analysis concludes that construction methods could result in vibration beneath the tank that could result in structural damage, West Basin shall modify construction methods to ensure vibration would not be generated at levels that could damage the tank. West Basin shall provide the assessment to Chevron for their review and comment. West Basin shall monitor the existing Chevron tank for damage during construction activities within 25 feet of the tank.</p>	Less than Significant Impact with Mitigation Incorporated	No mitigation is required.	Less than Significant Impact
	<b>Operation</b>	No mitigation is required.	No Impact	No mitigation is required.	No Impact
Impact NOI 5.12-3: Would the Project result in a substantial permanent increase in ambient noise levels in the Project vicinity above levels existing without the Project?	<b>Construction</b>	No mitigation is required.	No Impact	No mitigation is required.	No Impact
	<b>Operation</b>	Implement Mitigation Measure NOI-2 and NOI-4.	Less than Significant Impact with Mitigation Incorporated	Implement Mitigation Measure NOI-2 and NOI-4.	Less than Significant Impact with Mitigation Incorporated

Impact Statement	Construction or Operation	Local Project		Regional Project	
		Mitigation Measures	Level of Significance	Mitigation Measures	Level of Significance
Impact NOI 5.12-4: Would the Project result in a substantial temporary or periodic increase in ambient noise levels in the Project vicinity above levels existing without the Project?	<b>Construction</b>	Implement Mitigation Measure NOI-1 through and NOI-3.	Significant and Unavoidable Impact	Implement Mitigation Measure NOI-1 through and NOI-3.	Significant and Unavoidable Impact
	<b>Operation</b>	Implement Mitigation Measure NOI-2 and NOI-4.	Less than Significant Impact with Mitigation Incorporated	Implement Mitigation Measures NOI-4.	Less than Significant Impact with Mitigation Incorporated
Impact NOI 5.12-5: For a project located within an airport land use plan or, where such a plan has not been adopted, within 2 miles of a public airport or public use airport, would the Project expose people residing or working in the Project area to excessive noise levels?	<b>Construction</b>	No mitigation is required.	No Impact	No mitigation is required.	No Impact
	<b>Operation</b>	No mitigation is required.	No Impact	No mitigation is required.	No Impact
Impact NOI 5.12-6: For a Project located within the vicinity of a private airstrip, would the Project expose people residing or working in the Project area to excessive noise levels?	<b>Construction</b>	No mitigation is required.	No Impact	No mitigation is required.	No Impact
	<b>Operation</b>	No mitigation is required.	No Impact	No mitigation is required.	No Impact
Cumulative Impacts Would the Project result in cumulative impacts associated with implementation of the Ocean Water Desalination Project?		Implement Mitigation Measure NOI-1 through and NOI-4.	Significant and Unavoidable Impact	Implement Mitigation Measure NOI-1 through and NOI-4.	Significant and Unavoidable Impact
<b>Public Services</b>					
Impact PS 5.13-1: Would the Project result in substantial adverse physical impacts associated with the provision of new or physically altered police, fire protection, or emergency response facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times, or other performance objectives?	<b>Construction</b>	No mitigation is required.	Less than Significant Impact	No mitigation is required.	Less than Significant Impact
	<b>Operation</b>	No mitigation is required.	Less than Significant Impact	No mitigation is required.	Less than Significant Impact
Impact PS 5.13-2: Would the Project result in substantial adverse physical impacts associated with the provision of new or physically altered school facilities, or need for new or physically altered school facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times, or other performance objectives?	<b>Construction</b>	No mitigation is required.	Less than Significant Impact	No mitigation is required.	Less than Significant Impact
	<b>Operation</b>	No mitigation is required.	Less than Significant Impact	No mitigation is required.	Less than Significant Impact
Cumulative Impacts Would the Project result in cumulative impacts associated with implementation of the Ocean Water Desalination Project?		No mitigation is required.	Less than Significant Impact	No mitigation is required.	Less than Significant Impact

Impact Statement	Construction or Operation	Local Project		Regional Project	
		Mitigation Measures	Level of Significance	Mitigation Measures	Level of Significance
<b>Recreation</b>					
Impact REC 5.14-1: Would the Project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?	<b>Construction</b>	Implement Mitigation Measure TRA-1. <b>REC-1:</b> Prior to undertaking construction activities within a park or designated bike trail, West Basin shall coordinate with the appropriate city/county parks and recreation department(s) to ensure: (1) Project construction activities are minimized during peak-use periods for any impacted facilities, to the extent practical; (2) the bicycle facility is restored to its original condition, concurrent with completion of pipeline construction; (3) appropriate detour signage and advance notification is provided to the local jurisdiction and public; and (4) where practical, Project construction shall be timed with any other planned bicycle facility improvements to minimize interruption in use of the facility.	Less than Significant Impact with Mitigation Incorporated	Implement Mitigation Measure REC-1.	Less than Significant Impact with Mitigation Incorporated
	<b>Operation</b>	No mitigation is required.	No Impact	No mitigation is required.	No Impact
Impact REC 4.14-2: Would the Project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?	<b>Construction</b>	No mitigation is required.	No Impact	No mitigation is required.	No Impact
	<b>Operation</b>	No mitigation is required.	No Impact	No mitigation is required.	No Impact
Cumulative Impacts Would the Project result in cumulative impacts associated with implementation of the Ocean Water Desalination Project?		Implement Mitigation Measures TRA-1 and REC-1.	Less than Significant Impact with Mitigation Incorporated	Implement Mitigation Measure REC-1.	Less than Significant Impact with Mitigation Incorporated
<b>Transportation and Traffic</b>					
Impact TRA 5.15-1: Would the Project conflict with an applicable plan, ordinance or policy establishing measures of effectiveness for the performance of the circulation system, taking into account all modes of transportation including mass transit and non-motorized travel and relevant components of the circulation system, including but not limited to intersections, streets, highways and freeways, pedestrian and bicycle paths, and mass transit?	<b>Construction</b>	<b>TRA-1:</b> Prior to construction within the ESGs and on local roadways, West Basin shall prepare a Construction Traffic Control Plan that addresses the following: <ul style="list-style-type: none"> <li>Identify timing of heavy equipment and building materials deliveries.</li> <li>Identify methods of redirecting traffic with a flag person.</li> <li>Identify signing, lighting, and traffic control device placement if required.</li> <li>Identify need for construction work hours and arrival/departure times outside of peak traffic periods.</li> <li>Ensure emergency services providers are notified of lane closures and ensure that access is maintained for emergency vehicles at each construction site and adjacent land uses.</li> <li>Identify temporary travel lane closure.</li> <li>Identify temporary restriping requirements.</li> <li>Identify temporary traffic detours, bike path detours, and bus stop relocations.</li> <li>Maintain access to adjacent properties during construction.</li> <li>Specify construction-related haul routes.</li> <li>Identify safety procedures for exiting and entering the site access gate.</li> </ul> <b>TRA-2:</b> During Project construction, West Basin shall develop and implement a Parking and Staging Plan for all phases of construction to enforce a policy that all Project-related parking occurs on-site or in pre-designated off-site parking areas. The contractor shall use shuttles to transport workers to and from off-site staging/parking areas and Project construction areas.	Less than Significant Impact with Mitigation Incorporated	Implement Mitigation Measures TRA-1 and TRA-2.	Less than Significant Impact with Mitigation Incorporated
	<b>Operation</b>	No mitigation is required.	Less than Significant Impact	No mitigation is required.	Less than Significant Impact
Impact TRA 5.15-2: Would the Project conflict with an applicable congestion management program, including, but not limited to level of service standards and travel demand measures, or other standards established by the county congestion management agency for designated roads or highways?	<b>Construction</b>	Implement Mitigation Measures TRA-1 and TRA-2.	Less than Significant Impact with Mitigation Incorporated	Implement Mitigation Measures TRA-1 and TRA-2.	Less than Significant Impact with Mitigation Incorporated
	<b>Operation</b>	No mitigation is required.	Less than Significant Impact	No mitigation is required.	Less than Significant Impact

Impact Statement	Construction or Operation	Local Project		Regional Project	
		Mitigation Measures	Level of Significance	Mitigation Measures	Level of Significance
Impact TRA 5.15-3: Would the Project result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks?	<b>Construction</b>	No mitigation is required.	No Impact	No mitigation is required.	No Impact
	<b>Operation</b>	No mitigation is required.	No Impact	No mitigation is required.	No Impact
Impact TRA 5.15-4: Would the Project substantially increase safety hazards?	<b>Construction</b>	No mitigation is required.	No Impact	No mitigation is required.	No Impact
	<b>Operation</b>	No mitigation is required.	No Impact	No mitigation is required.	No Impact
Impact TRA 5.15-5: Would the Project result in inadequate emergency access?	<b>Construction</b>	Implement Mitigation Measure TRA-1.	Less than Significant Impact with Mitigation Incorporated	Implement Mitigation Measure TRA-1.	Less than Significant Impact with Mitigation Incorporated
	<b>Operation</b>	No mitigation is required.	No Impact	No mitigation is required.	No Impact
Impact TRA 5.15-6: Would the Project conflict with adopted policies, plans, or programs regarding public transit, bicycle, or pedestrian facilities, or otherwise decrease the performance or safety of such facilities?	<b>Construction</b>	Implement Mitigation Measure TRA-1 and REC-1.	Less than Significant Impact with Mitigation Incorporated	Implement Mitigation Measure TRA-1 and REC-1.	Less than Significant Impact with Mitigation Incorporated
	<b>Operation</b>	No mitigation is required.	Less than Significant Impact	No mitigation is required.	Less than Significant Impact
Impact TRA 5.15-7: Would the Project result in the potential to reduce the existing level of safety for navigating vessels or increase the potential for marine vessel accidents?	<b>Construction</b>	Implement Mitigation Measures HAZ-3 and HAZ-4.	Less than Significant Impact with Mitigation Incorporated	Implement Mitigation Measures HAZ-3 and HAZ-4.	Less than Significant Impact with Mitigation Incorporated
	<b>Operation</b>	No mitigation is required.	Less than Significant Impact	No mitigation is required.	Less than Significant Impact
Cumulative Impacts Would the Project result in cumulative impacts associated with implementation of the Ocean Water Desalination Project?		Implement Mitigation Measures TRA-1, TRA-2, HAZ-3, HAZ-4, and REC-1.	Less than Significant Impact with Mitigation Incorporated	Implement Mitigation Measures TRA-1, TRA-2, HAZ-3, HAZ-4, and REC-1.	Less than Significant Impact with Mitigation Incorporated
<b>Utilities and Service Systems</b>					
Impact UTIL 5.16-1: Would the Project exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?	<b>Construction</b>	No mitigation is required.	Less than Significant Impact	No mitigation is required.	Less than Significant Impact
	<b>Operation</b>	No mitigation is required.	Less than Significant Impact	No mitigation is required.	Less than Significant Impact
Impact UTIL 5.16-2: Would the Project require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	<b>Construction</b>	No mitigation is required.	Less than Significant Impact	No mitigation is required.	Less than Significant Impact
	<b>Operation</b>	No mitigation is required.	Less than Significant Impact	No mitigation is required.	Less than Significant Impact
Impact UTIL 5.16-3: Would the Project require or result in the construction of new stormwater	<b>Construction</b>	No mitigation is required.	Less than Significant Impact	No mitigation is required.	Less than Significant Impact

Impact Statement	Construction or Operation	Local Project		Regional Project	
		Mitigation Measures	Level of Significance	Mitigation Measures	Level of Significance
drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	Operation	No mitigation is required.	Less than Significant Impact	No mitigation is required.	Less than Significant Impact
Impact UTIL 5.16-4: Would the Project have sufficient water supplies available to serve the Project from existing entitlements and resources, or are new or expanded entitlements needed?	Construction	No mitigation is required.	Less than Significant Impact	No mitigation is required.	Less than Significant Impact
	Operation	No mitigation is required.	Less than Significant Impact	No mitigation is required.	Less than Significant Impact
Impact UTIL 5.16-5: Would the Project result in a determination by the wastewater treatment provider which serves or may serve the Project that it has adequate capacity, including treatment and/or outfall capacity, to accommodate the Project's projected demand in addition to the provider's existing commitments?	Construction	No mitigation is required.	Less than Significant Impact	No mitigation is required.	Less than Significant Impact
	Operation	No mitigation is required.	Less than Significant Impact	No mitigation is required.	Less than Significant Impact
Impact 5.16-6: Would the Project be served by a landfill with sufficient permitted capacity to accommodate solid waste disposal needs?	Construction	No mitigation is required.	Less than Significant Impact	No mitigation is required.	Less than Significant Impact
	Operation	No mitigation is required.	Less than Significant Impact	No mitigation is required.	Less than Significant Impact
Impact 5.16-7: Would the Project comply with federal, state, and local statutes and regulations related to solid waste?	Construction	<b>UTIL-1:</b> Prior to the start of both site mobilization and Project operation, West Basin shall prepare a Waste Management Plan covering all wastes generated during construction and operation of the Ocean Water Desalination Project. At a minimum, the Waste Management Plan shall also contain the following: <ul style="list-style-type: none"> <li>• A description of all waste streams, including projections of frequency, amounts generated, and hazard classifications.</li> <li>• Methods of managing each waste, including storage, treatment methods and companies contracted with for treatment services, waste testing methods to ensure correct classification, methods of transportation, disposal requirements and sites, and recycling and waste minimization/reduction plans.</li> </ul>	Less than Significant Impact with Mitigation Incorporated	Implement Mitigation Measure UTIL-1.	Less than Significant Impact with Mitigation Incorporated
	Operation	Implement Mitigation Measure UTIL-1.	Less than Significant Impact with Mitigation Incorporated	Implement Mitigation Measure UTIL-1.	Less than Significant Impact with Mitigation Incorporated
Cumulative Impacts Would the Project result in cumulative impacts associated with implementation of the Ocean Water Desalination Project?		Implement Mitigation Measure UTIL-1.	Less than Significant Impact with Mitigation Incorporated	Implement Mitigation Measure UTIL-1.	Less than Significant Impact with Mitigation Incorporated

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