

**MITIGATION MONITORING AND REPORTING
PROGRAMS FOR THE
SIX BASINS STRATEGIC PLAN
(State Clearinghouse No. 2018091020)**

Prepared for:

Three Valley Municipal Water District
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MITIGATION MONITORING AND REPORTING PROGRAMS FOR THE SIX BASINS STRATEGIC PLAN

Section 21081.6 of the California Environmental Quality Act (CEQA) and CEQA Guidelines Section 15097 require a Lead Agency to adopt a Mitigation Monitoring and Reporting Program (MMRP) whenever it certifies an Environmental Impact Report (EIR). The purpose of the MMRP is to ensure compliance with the mitigation measures occurs during project implementation.

The Program EIR prepared for the Six Basins Strategic Plan (Project) concluded that implementation of the Strategic Plan and related projects could result in potentially significant effects on the environment and mitigation measures were incorporated into the proposed Project or are required as a condition of project approval that reduce these potential impacts to a less than significant level.

The Draft Program EIR evaluated future projects in three categories: Project Category 1 – Pump and Treat; Project Category 2 – Stormwater and Supplemental Water Recharge; and Project Category 3 - Temporary Surplus. A fourth project category – Project Category 4 – Monitoring Programs in Support of the Strategic Plan, would not result in any physical changes to the environment, therefore this category of projects had no impacts.

MMRP document contains three separate MMRPs, one for each of the project categories where mitigation measures have been identified to reduce potentially significant impacts to less than significant levels. Each of the MMRPs documents how and when the mitigation measures adopted by the lead agency will be implemented and confirms that potential environmental impacts are reduced to less than significant levels as identified in the Program EIR.

The MMRP document does not discuss those subjects that the environmental analysis demonstrates would result in less than significant impacts and for which no mitigation was proposed or necessary.

**PROGRAM EIR FOR THE SIX BASINS STRATEGIC PLAN
MITIGATION MONITORING AND REPORTING PROGRAM (MMRP)
PROJECT CATEGORY 1 – PUMP AND TREAT PROJECTS**

Mitigation Measure	Implementation Schedule	Verification	Source
<p>Aesthetics <u>Facilities and Landscaping</u></p> <p>AES-1 Proposed facilities, including walls, gates, treatment facilities, etc., shall be designed in accordance with local design standards in order to be complementary to the local area. Landscaping shall be installed and maintained in conformance with local landscaping design guidelines as appropriate to screen views of new facilities from surrounding areas to the extent feasible taking into consideration the needs of the project and except where such compliance is not required by California law.</p>	<p>AES-1 shall be incorporated into individual project design specifications, which shall be included in the construction contract as a contract specification and implemented by the contractor during construction.</p>	<p>A copy of the construction contract including MM AES-1 shall be retained in the project file(s).</p> <p>Verification of implementation shall be based on field inspections by the Implementing Agency.</p> <p>Field notes documenting verification shall be retained in the project file.</p>	<p>Draft Program Environmental Impact Report (Draft PEIR)</p>
	Responsible Party	Monitoring Party	Status / Date / Initials
	<p>Project Engineer/Architect Construction Contractor</p>	<p>Implementing Agency¹</p>	

Mitigation Measure	Implementation Schedule	Verification	Source
<p>Aesthetics <u>Light and Glare</u></p> <p>AES-2 To avoid any light intrusion to surrounding land uses, on project sites where permanent exterior lighting is proposed, lights shall be shielded and directed downward and toward the interior of a site. The maximum light allowed beyond the property boundary adjacent to sensitive light receptors shall be as stipulated in local design guidelines or development code and except where such compliance is not required by California law.</p>	<p>AES-2 shall be incorporated into individual project design specifications, which shall be included in the construction contract as a contract specification and implemented by the contractor during construction.</p>	<p>A copy of the construction contract including MM AES-2 shall be retained in the project file(s). Verification of implementation shall be based on field inspections by the Implementing Agency.</p> <p>Field notes documenting verification shall be retained in the project file.</p>	<p>Draft PEIR</p>
	Responsible Party	Monitoring Party	Status / Date / Initials
	<p>Project Architect Construction Contractor</p>	<p>Implementing Agency</p>	

¹ "Implementing Agency" as used throughout this Mitigation Monitoring and Reporting Program refers to the lead agency implementing a project under the Six Basins Strategic Plan (e.g., Three Valleys Municipal Water District (TVMWD), City of Pomona, City of La Verne, Six Basins Watermaster (Watermaster), or other Watermaster Parties).

**PROGRAM EIR FOR THE SIX BASINS STRATEGIC PLAN
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Mitigation Measure	Implementation Schedule	Verification	Source
<p><i>Aesthetics</i> <u>Light and Glare</u> AES-3 Development of Strategic Plan projects shall comply with existing or future lighting ordinances, and except where such compliance is not required by California law.</p>	<p>AES-3 shall be incorporated into individual project design specifications, which shall be included in the construction contract as a contract specification and implemented by the contractor during construction.</p>	<p>A copy of the construction contract including MM AES-3 shall be retained in the project file(s). Verification of implementation shall be based on field inspections by the Implementing Agency.</p> <p>Field notes documenting verification shall be retained in the project file.</p>	<p>Draft PEIR</p>
	Responsible Party	Monitoring Party	Status / Date / Initials
	<p>Project Architect Construction Contractor</p>	<p>Implementing Agency</p>	

Mitigation Measure	Implementation Schedule	Verification	Source
<p><i>Aesthetics</i> <u>Light and Glare</u> AES-4 Any new structures that may require large facades shall not be constructed using highly reflective building materials.</p>	<p>AES-4 shall be incorporated into individual project design specifications, which shall be included in the construction contract as a contract specification and implemented by the contractor during construction.</p>	<p>A copy of the construction contract including MM AES-4 shall be retained in the project file(s). Verification of implementation shall be based on field inspections by the Implementing Agency.</p> <p>Field notes documenting verification shall be retained in the project file.</p>	<p>Draft PEIR</p>
	Responsible Party	Monitoring Party	Status / Date / Initials
	<p>Project Architect Construction Contractor</p>	<p>Implementing Agency</p>	

**PROGRAM EIR FOR THE SIX BASINS STRATEGIC PLAN
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PROJECT CATEGORY 1 – PUMP AND TREAT PROJECTS**

Mitigation Measure	Implementation Schedule	Verification	Source
<i>Agriculture and Forestry Resources –</i> No mitigation measures			Draft PEIR
	Responsible Party	Monitoring Party	Status / Date / Initials

Mitigation Measure	Implementation Schedule	Verification	Source
<i>Air Quality / Greenhouse Gas Emissions / Global Climate Change</i> AQ-1 Construction contractors at each project site shall adhere to applicable measures contained in Table 1 of Rule 403 including, but not limited to: <ul style="list-style-type: none"> • All clearing, grading, earth-moving, or excavation activities shall cease when winds exceed 25 mph per SCAQMD guidelines in order to limit fugitive dust emissions. • The contractor shall ensure that all disturbed unpaved roads and disturbed areas within the Project are watered at least three (3) times daily during dry weather. Watering, with complete coverage of disturbed areas, shall occur at least three times a day, preferably in the mid-morning, afternoon, and after work is done for the day. • The contractor shall ensure that traffic speeds on unpaved roads and Project site areas are limited to 15 miles per hour or less. 	MM AQ-1 shall be implemented during construction of future facilities at existing sites identified in Project Category 1 and shall be included in the construction contract as a contract specification.	A copy of the construction contract including MM-AQ-1 shall be retained in the project file. Verification of implementation shall be based on field inspections by the Implementing Agency. Field notes from inspections shall be retained in the project file.	Draft PEIR
	Responsible Party	Monitoring Party	Status / Date / Initials
	Construction Contractor	Implementing Agency	

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Mitigation Measure	Implementation Schedule	Verification	Source
<p><i>Air Quality / Greenhouse Gas Emissions / Global Climate Change</i> AQ-2 Regarding emissions of NOx and VOC, when using construction equipment greater than 150 horsepower (>150 HP), the Construction Contractor shall ensure that off-road diesel construction equipment complies with EPA/CARB Tier 4 emissions standards or equivalent and shall ensure that all construction equipment is tuned and maintained in accordance with the manufacturer's specifications.</p>	<p>MM AQ-2 shall be implemented during construction of future facilities at existing sites identified in Project Category 1 and shall be included in the construction contract as a contract specification.</p>	<p>A copy of the construction contract including MM-AQ-2 shall be retained in the project file.</p> <p>Verification of implementation shall be based on field inspections by the Implementing Agency.</p> <p>Field notes from inspections shall be retained in the project file.</p>	<p>Draft PEIR</p>
	Responsible Party	Monitoring Party	Status / Date / Initials
	Construction Contractor	Implementing Agency	

Mitigation Measure	Implementation Schedule	Verification	Source
<p><i>Air Quality / Greenhouse Gas Emissions / Global Climate Change</i> AQ-3 SCAQMD Rule 403-Table 1 (see attached) lists a number of Best Available Control Technologies (BACT) that may apply to the construction of Strategic Plan projects. On a project-by-project basis, SCAQMD Rule 403 Table 1 shall be reviewed and appropriate measures incorporated into a project specific monitoring program.</p>	<p>MM AQ-3 shall be implemented during construction of future facilities at existing sites identified in Project Category 1 and shall be included in the construction contract as a contract specification.</p>	<p>A copy of the construction contract including MM-AQ-3 shall be retained in the project file.</p> <p>Verification of implementation shall be based on field inspections by the Implementing Agency.</p> <p>Field notes from inspections shall be retained in the project file.</p>	<p>Draft PEIR</p>
	Responsible Party	Monitoring Party	Status / Date / Initials
	Construction Contractor	Implementing Agency	

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Mitigation Measure	Implementation Schedule	Verification	Source
<p>Biological Resources</p> <p>BIO-1a <i>Tree Removal.</i> Prior to the trimming or removal of a tree at any project site, a project proponent will coordinate with the local agency to determine if the particular trees targeted for trimming or removal are heritage trees regulated by local agency. If the targeted tree is a heritage under the City or County Regulations, the appropriated application will be submitted and approved by the local agency prior to conducting the trimming or removal of the heritage tree(s), except where compliance is not required by California law.</p>	<p>If tree removal or trimming is identified, MM BIO-1 shall be incorporated into individual project design specifications, which shall be included in the construction contract as a contract specification and implemented by the contractor during construction.</p>	<p>A copy of the construction contract including MM BIO-1 shall be retained in the project file(s).</p> <p>Verification of implementation shall be based on field inspections by the Implementing Agency.</p> <p>Field notes documenting verification shall be retained in the project file.</p>	<p>Draft PEIR</p>
	Responsible Party	Monitoring Party	Status / Date / Initials
	Project Engineer	Implementing Agency	

Mitigation Measure	Implementation Schedule	Verification	Source
<p>Biological Resources</p> <p>BIO-1b <i>Removal of Native Trees.</i> Prior to commencement of ground disturbing activities where native trees may require trimming or removal), and to address the potential spread of invasive pests and diseases by implementing the following:</p> <ol style="list-style-type: none"> 1) Prior to tree trimming or removal, a certified arborist shall evaluate trees for infectious tree diseases including but not limited to: sudden oak death (<i>Phytophthora ramorum</i>), thousand canker fungus (<i>Geosmithia morbida</i>), polyphagous shot hole borer (<i>Euwallacea</i> spp.), and goldspotted oak borer (<i>Agrilus auroguttatus</i>) (TCD 2021; UCANR 2021; Phytosphere Research 2012; UCIPM 2013). 2) If a certified arborist determines trees are impacted by infectious pests or diseases, the certified arborist shall prepare an <i>Infectious Tree Disease Management Plan</i> or develop a detailed, robust, enforceable, and feasible list of preventative measures. A plan/list shall provide measures relevant for each tree pest or 	<p>MM BIO-1b shall be included in the construction contract as a contract specification.</p> <p>Prior to tree trimming or removal, a certified arborist shall evaluate trees for infectious tree diseases.</p> <p>If a certified arborist determines trees are impacted by infectious pests or diseases, the certified arborist shall prepare an <i>Infectious Tree Disease Management Plan</i> or develop a detailed, robust, enforceable, and feasible list of preventative measures.</p> <p>If possible, all tree material, especially infected tree material, shall be left on site. The material could be chipped for use as ground cover or mulch. Pruning and power tools should be cleaned and</p>	<p>A copy of the construction contract including MM BIO-1 shall be retained in the project file(s).</p> <p>Verification of implementation shall be based on field inspections by the Implementing Agency.</p> <p>Field notes documenting verification shall be retained in the project file.</p>	<p>Draft PEIR</p>

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Mitigation Measure	Implementation Schedule	Verification	Source
<p>disease observed. To avoid the spread of infectious tree pests and diseases, infected trees should not be transported from a project area without first being treated using best available management practices described in the <i>Infectious Tree Disease Management Plan</i> or list of preventative measures.</p> <p>3) If possible, all tree material, especially infected tree material, shall be left on site. The material could be chipped for use as ground cover or mulch. Pruning and power tools should be cleaned and disinfected before use to prevent introducing pathogens from known infested areas, and after use to prevent spread of pathogens to new areas.</p>	<p>disinfected before use to prevent introducing pathogens from known infested areas, and after use to prevent spread of pathogens to new areas.</p>		
	Responsible Party	Monitoring Party	Status / Date / Initials
	Project Engineer Project Archaeologist	Implementing Agency	

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<p>Biological Resources</p> <p>BIO-2 <i>Nesting Birds.</i> Removal of any trees, shrubs, or any other potential nesting habitat shall be conducted outside the avian nesting season, as verified by a qualified Avian Biologist. The nesting season generally extends from February 1 through August 31, but it can vary slightly from year to year based on seasonal weather conditions. If ground disturbance and vegetation removal cannot occur outside of the qualified Avian Biologist’s-verified nesting season, a pre-construction clearance survey for nesting birds shall be conducted within 30 days of the start of any construction. If no active nests are found, no further action would be required. If an active nest is found, the biologist shall set appropriate no-work buffers around the nest, which would be determined based on the nesting species, its sensitivity to disturbance, nesting stage and expected types, intensity and duration of disturbance. The nests and buffer zones shall be field checked weekly by a qualified biological monitor. The approved no-work buffer zone shall be clearly marked in the field, within which no disturbance activity shall commence until the qualified biologist has determined the young birds have successfully fledged and the nest is inactive.</p>	<p>MM BIO-2 shall be included in the construction contract as a contract specification.</p> <p>The preconstruction survey(s) shall be conducted prior to commencement of site disturbing activities.</p> <p>If an active bird nest is located, a qualified biologist shall prepare and implement a monitoring program to monitor the buffer area weekly where no construction activities shall occur until such time as the project biologist determines fledglings have left the nest.</p>	<p>A copy of the construction contract including MM BIO-2 shall be retained in the project file(s).</p> <p>A copy of the survey(s) shall be placed in the project file (if applicable).</p> <p>Verification of implementation shall be based on field notes provided by the biological monitor to the Implementing Agency.</p> <p>Field notes shall be retained in the project file.</p>	<p>Draft PEIR</p>
	Responsible Party	Monitoring Party	Status / Date / Initials
	<p>Project Engineer Project Biologist</p>	<p>Implementing Agency</p>	

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<p>Cultural Resources / Tribal Cultural Resources</p> <p>CUL-1 Prior to approval of a project identified under Project Categories 1 through 3, a Watermaster Party undertaking a project shall retain a qualified archaeologist, defined as an archaeologist meeting the Secretary of the Interior's Standards for professional archaeology to conduct an assessment of the project site and vicinity for all project elements that involve ground disturbance. The archaeologist shall conduct cultural resources assessment consisting of: (1) a cultural resources records search to be conducted at the South Central Coastal Information Center located at California State University Fullerton; (2) consultation with the Native American Heritage Commission (NAHC) and with interested Native American tribes identified by NAHC; (3) a field survey by the archaeologist; and (4) recordation of all identified archaeological resources located on a project site on California Department of Parks and Recreation 523 Site Record forms. The archaeologist shall provide recommendations regarding resource significance and additional work for those resources that may be affected by a project.</p>	<p>MM CUL-1 shall be included in the construction contract as a contract specification.</p> <p>The Cultural Resources Assessment (CRA) (if required) shall be completed prior to approval of a project by the Implementing Agency.</p> <p>Should the CRA determine that resources may be uncovered during construction, an Archaeological monitor shall prepare and implement a monitoring program.</p> <p>The Implementing Agency shall be notified within 24-hours of any accidental exposure of subsurface cultural resources.</p> <p>After a determination is made and the significance of the find determined, the management recommendations shall be implemented and documented.</p>	<p>A copy of the construction contract including MM CUL-1 shall be retained in the project file(s).</p> <p>A copy of the Cultural Resources Assessment and Monitoring Program (if applicable) shall be placed in the project file.</p> <p>A copy of the construction contract shall be retained in the project file.</p> <p>A final report of findings shall be submitted to the Implementing Agency for retention.</p> <p>Field notes from Archaeological monitor shall be retained in the project file.</p>	<p style="text-align: center;">Draft PEIR</p>
	Responsible Party	Monitoring Party	Status / Date / Initials
	Project Engineer Project Archaeologist	Implementing Agency	

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<p>Cultural Resources / Tribal Cultural Resources</p> <p>CUL-2 Prior to ground disturbance activities at a project site that contain structures 45 years old or older, affected structure(s) shall be subject to a historic built environment survey, and potentially historic structures shall be evaluated for their potential historic significance, prior to a Watermaster Party's finalization of design/site plans. The survey shall be carried out by a qualified historian or architectural historian meeting the Secretary of the Interior's Standards for Architectural History. If potentially significant resources are encountered during the survey, a treatment plan shall be prepared prior to demolition or substantial alteration of such resources identified.</p>	<p>MM CUL-2 shall be included in the construction contract as a contract specification.</p> <p>Prior to demolition or substantial alteration of a potential historic building, a qualified architectural historian shall conduct a Historic Built Environment Survey. If a resource is identified, a treatment plan shall be prepared,</p>	<p>A copy of the construction contract including MM CUL-2 shall be retained in the project file.</p> <p>A copy of the Historic Built Environment Survey Cultural Resources Assessment and Monitoring Program (if applicable) shall be placed in the project file.</p>	Draft PEIR
	Responsible Party	Monitoring Party	Status / Date / Initials
	Project Engineer Architectural Historian	Implementing Agency	

Mitigation Measure	Implementation Schedule	Verification	Source
<p>Cultural Resources / Tribal Cultural Resources</p> <p>CUL-3 In the event that human remains are uncovered at a project site, there shall be no further excavation or disturbance of the site or any nearby area reasonably suspected to overlie adjacent human remains until:</p> <ul style="list-style-type: none"> • The coroner of the county in which the remains are discovered must be contacted to determine whether an investigation of the cause of death is required, and • If the coroner determines the remains to be Native American: <ul style="list-style-type: none"> ○ The coroner shall contact the Native American Heritage Commission within 24 hours. 	<p>MM CUL-3 shall be included in the construction contract as a contract specification.</p> <p>During ground disturbing activities and in the event that human remains are uncovered at a project site the coroner shall be called to determine whether an investigation is required</p> <p>Disposition of any remains identified as Native American shall be determined through consultation with the MLD.</p>	<p>A copy of the construction contract including MM CUL-3 shall be retained in the project file.</p> <p>Excavation or disturbance shall cease and the coroner of the county in which the remains are discovered must be contacted.</p> <p>If the remains are Native American, disposition of the remains shall be by agreement between the coroner and the most likely descendent.</p>	Draft PEIR
	Responsible Party	Monitoring Party	Status / Date / Initials
	Project Engineer Architectural Historian	Implementing Agency	

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Mitigation Measure	Implementation Schedule	Verification	Source
<p>CUL-3 (cont.)</p> <ul style="list-style-type: none"> ○ The Native American Heritage Commission shall identify the person or persons it believes to be the most likely descended from the deceased Native American. ○ The most likely descendent (MLD) may make recommendations to the landowner or the person responsible for the excavation work, for means of treating or disposing of, with appropriate dignity, the human remains and any associated grave goods as provided in Public Resources Code Section 5097.98. • Where the following conditions occur, the landowner or his authorized representative shall rebury the Native American human remains and associated grave goods with appropriate dignity on the property in a location not subject to further subsurface disturbance: <ul style="list-style-type: none"> ○ The Native American Heritage Commission is unable to identify a most likely descendent or the most likely descendent failed to make a recommendation within 24 hours after being notified by the commission. ○ The descendant identified fails to make a recommendation; or ○ The landowner or his authorized representative rejects the recommendation of the descendant, and the mediation by the Native American Heritage Commission fails to provide measures acceptable to the landowner. 			
	Responsible Party	Monitoring Party	Status / Date / Initials
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Mitigation Measure	Implementation Schedule	Verification	Source
<p>Cultural Resources / Tribal Cultural Resources</p> <p>CUL-4 Prior to approval of a project, the lead agency with authority to approve the project. shall conduct AB 52 consultation with Native American tribes based on a list provided by the NAHC. If the lead agency determines that a project may cause a substantial adverse change to a tribal cultural resource, identified through project-specific AB 52 consultation, and measures are not otherwise identified in the consultation process required under PRC Section 21080.3.2, the Watermaster Party undertaking the project shall implement the following measures where feasible and necessary to address site specific impacts to avoid or minimize the significant adverse impacts:</p> <ul style="list-style-type: none"> • Avoidance and preservation of the resources in place, including, but not limited to: planning and construction to avoid the resources and protect the cultural and natural context, or planning greenspace, parks, or other open space, to incorporate the resources with culturally appropriate protection and management criteria. • Treating the resource with culturally appropriate dignity taking into account the tribal cultural values and meaning of the resource, including, but not limited to, the following: <ul style="list-style-type: none"> ○ Protecting the cultural character and integrity of the resource; ○ Protecting the traditional use of the resource; or ○ Protecting the confidentiality of the resource • Permanent conservation easements or other interests in real property, with culturally appropriate management criteria for the purposes of preserving or utilizing the resources or places. • Protecting the resource. 	<p>Prior to approval of a project, the Implementing Agency with authority to approve the project. shall conduct AB 52 consultation with Native American tribes based on a list provided by the NAHC.</p> <p>See MM CUL-1 for requirements for the preparation of a Cultural Resources Assessment.</p> <p>If Cultural Resources are uncovered, further consultation with NAHC and the Native American tribe consulting on the project shall be undertaken to determine how to avoid or minimize impacts including avoidance/preservation in place and a permanent conservation easement.</p> <p>Site specific impacts to Cultural Resources shall be addressed prior to returning to the area where the resources were uncovered to continue construction.</p>	<p>A copy of the construction contract including MM CUL-4 shall be retained in the project file.</p> <p>A copy of the construction contract shall be retained in the project file.</p> <p>Excavation or disturbance of cultural resources shall cease until the Project Archaeologist determines the significance of the find.</p> <p>A final report of findings shall be submitted to the City for retention.</p> <p>Field notes from Archaeologist shall be retained in the project file.</p>	<p>Draft PEIR</p>
	Responsible Party	Monitoring Party	Status / Date / Initials
	Project Engineer	Implementing Agency	

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Mitigation Measure	Implementation Schedule	Verification	Source
Environmental Justice Refer to mitigation measures AQ-1 and AQ-2			Draft PEIR
	Responsible Party	Monitoring Party	Status / Date / Initials
	Construction Contractor	Implementing Agency	

Mitigation Measure	Implementation Schedule	Verification	Source
Environmental Justice <u>Hazards / Emissions</u> Refer to mitigation measure HAZ-1			Draft PEIR
	Responsible Party	Monitoring Party	Status / Date / Initials
	Construction Contractor	Implementing Agency	

Mitigation Measure	Implementation Schedule	Verification	Source
Environmental Justice <u>Construction Traffic Management Plan</u> Refer to mitigation measures TR-1, TR-2 and TR-3			Draft PEIR
	Responsible Party	Monitoring Party	Status / Date / Initials
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Mitigation Measure	Implementation Schedule	Verification	Source
<p><i>Geology / Soils / Paleontological Resources / Mineral Resources</i> <u>Geology and Soils</u> GEO-1 Should a project in any of the categories of projects be located within a designated Alquist-Priolo Fault Zone, the project proponent shall consider relocating the project to another site. If that is not feasible, then the project shall be designed in accordance with the most current version of the CBC and subject to a project specific Geotechnical Investigation.</p>	<p>The design level geotechnical investigation shall be completed prior to completion of facility design. The measures identified in the geotechnical investigation shall be incorporated into individual project design specifications.</p> <p>Site specific design criteria shall be included in the construction contract as contract specifications.</p>	<p>A copy of the geotechnical investigation shall be retained in the project file(s).</p> <p>A copy of the construction contract including this geology/soils mitigation measure shall be retained in the project file(s).</p> <p>Verification of implementation shall be based on field inspections by the Implementing Agency.</p> <p>Field notes documenting verification shall be retained in the project file.</p>	<p style="text-align: center;">Draft PEIR</p>
	Responsible Party	Monitoring Party	Status / Date / Initials
	Project Engineer Project Geologist Construction Contractor	Implementing Agency	

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Mitigation Measure	Implementation Schedule	Verification	Source
<p><i>Geology / Soils / Paleontological Resources / Mineral Resources</i> <u>Geology and Soils</u> GEO-2 Prior to approval of a project, a design-level geotechnical investigation shall be completed. The investigation shall identify all potential seismic hazards including fault rupture, and characterize the soil profiles, including liquefaction potential, expansive soil potential, and potential for subsidence to occur. The geotechnical investigation shall recommend site-specific design criteria to mitigate for seismic and non-seismic hazards, such as special foundations and structural setbacks, and these recommendations shall be incorporated into the design of individual projects.</p>	<p>The design level geotechnical investigation shall be completed prior to completion of facility design. The measures identified in the geotechnical investigation shall be incorporated into individual project design specifications.</p> <p>Site specific design criteria shall be included in the construction contract as contract specifications.</p>	<p>A copy of the geotechnical investigation shall be retained in the project file(s).</p> <p>A copy of the construction contract including this geology/soils mitigation measure shall be retained in the project file(s).</p> <p>Verification of implementation shall be based on field inspections by the Implementing Agency.</p> <p>Field notes documenting verification shall be retained in the project file.</p>	<p style="text-align: center;">Draft PEIR</p>
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PROJECT CATEGORY 1 – PUMP AND TREAT PROJECTS**

Mitigation Measure	Implementation Schedule	Verification	Source
<p>Geology / Soils / Paleontological Resources / Mineral Resources <u>Paleontological Resources</u> GEO-3 For project-level development involving ground disturbance, prior to commencement of ground disturbance a qualified paleontologist shall be retained to determine the necessity of conducting a study of the project area(s) based on the potential sensitivity of the project site for paleontological resources. If deemed necessary, the paleontologist shall conduct a paleontological resources inventory designed to identify potentially significant resources. The paleontological resources inventory would consist of: a paleontological resource records search to be conducted at the San Bernardino County Museum and/or other appropriate facilities; a field survey or monitoring where deemed appropriate by the paleontologist; and recordation of all identified paleontological resources.</p>	<p>MM GEOL-3 shall be included in the construction contract as a contract specification.</p> <p>Prior to commencement of ground disturbance, a qualified paleontologist shall be retained to determine the necessity of conducting a study of the project area(s) based on the potential sensitivity of the project site for paleontological resources.</p> <p>If required, prior to commencement of ground disturbing activities, a qualified paleontologist shall conduct a paleontological resources inventory of a project site.</p>	<p>A copy of the construction contract including MM GEO-3 shall be retained in the project file.</p> <p>A copy of the paleontological resources inventory (if prepared) shall be placed in the project file.</p> <p>If a monitor is required, field notes from the Paleontological monitor shall be retained in the project file.</p>	<p style="text-align: center;">Draft PEIR</p>
	Responsible Party	Monitoring Party	Status / Date / Initials
	Project Engineer Project Paleontologist	Three Valley MWD	

**PROGRAM EIR FOR THE SIX BASINS STRATEGIC PLAN
MITIGATION MONITORING AND REPORTING PROGRAM (MMRP)
PROJECT CATEGORY 1 – PUMP AND TREAT PROJECTS**

Mitigation Measure	Implementation Schedule	Verification	Source
<p><i>Hazards and Hazardous Materials / Airport Safety / Wildfire Hazards</i> <u>Hazards / Emissions</u> HAZ-1 <u>Permits</u>. Prior to installation of new or relocated equipment, or prior to modification of any existing equipment, the Watermaster Party responsible for a project site where treatment facilities are located, or a diesel operated back-up generator is proposed, shall obtain a Permit to Construct from SCAQMD. Once a piece of equipment is installed, modified and/or operated, SCAQMD will process the application for a Permit to Operate.</p>	<p>MM HAZ-1 shall be included in the construction contract as a contract specification.</p> <p>Prior to installation of new or relocated equipment, or prior to modification of any existing equipment, obtain a Permit to Construct and Permit to Operate from SCAQMD.</p>	<p>A copy of the construction contract including MM HAZ-1 shall be retained in the project file.</p> <p>A copy of the SCAQMD permits shall be placed in the project file.</p>	<p>Draft PEIR</p>
	Responsible Party	Monitoring Party	Status / Date / Initials
	<p>Project Engineer Construction Contractor</p>	<p>Implementing Agency</p>	

Mitigation Measure	Implementation Schedule	Verification	Source
<p><i>Hazards and Hazardous Materials / Airport Safety / Wildfire Hazards</i> <u>Emergency Planning</u> Refer to mitigation measures TR-1, TR-2 and TR-3</p>			<p>Draft PEIR</p>
	Responsible Party	Monitoring Party	Status / Date / Initials
	<p>Project Engineer Construction Contractor</p>	<p>Implementing Agency</p>	

**PROGRAM EIR FOR THE SIX BASINS STRATEGIC PLAN
MITIGATION MONITORING AND REPORTING PROGRAM (MMRP)
PROJECT CATEGORY 1 – PUMP AND TREAT PROJECTS**

Mitigation Measure	Implementation Schedule	Verification	Source
<p>Hydrology / Water Quality HWQ-1 <u>Groundwater Production</u>. To avoid potential impacts associated with the loss of groundwater that may migrate out of the Pomona Basin or UCHB during periods of high groundwater levels, prior to commencement of improvements to existing groundwater production wells, or the development of new production wells in the Pomona Basin and UCHB, Watermaster staff shall conduct groundwater modeling in areas where high groundwater is known to occur in the area along the San Jose fault.</p>	<p>Prior to commencement of improvements to existing groundwater production wells, or the development of new production wells in the Pomona Basin and UCHB conduct groundwater modeling.</p>	<p>Results of groundwater modeling shall be presented to the Six Basins Watermaster Board for review.</p>	<p style="text-align: center;">Draft PEIR</p>
	Responsible Party	Monitoring Party	Status / Date / Initials
	Watermaster Staff	Watermaster Staff	

**PROGRAM EIR FOR THE SIX BASINS STRATEGIC PLAN
MITIGATION MONITORING AND REPORTING PROGRAM (MMRP)
PROJECT CATEGORY 1 – PUMP AND TREAT PROJECTS**

Mitigation Measure	Implementation Schedule	Verification	Source
<p>Hydrology / Water Quality</p> <p>HWQ-2 <u>Implementation of a SWPPP and the Use of BMPs During Construction.</u> Prior to commencement of any ground disturbing activities on a project site, the Watermaster Party or construction contractor shall prepare a SWPPP (area of disturbance one acre or greater) and submit a Notice of Intent to the State Water Resources Control Board. Implementation of BMPs as outlined in the SWPPP shall be on-going during construction activities. A copy of the SWPPP and the Waste Discharge Identification (WDID) number, shall be kept at the construction site and available for review by inspectors until construction is completed. For sites where the area of disturbance would be less than one acre, the project proponent or construction contractor is still responsible for maintaining the site and must provide the local jurisdiction in which construction activities will take place, with a list of BMPs and a schedule for completion of such activities, prior to commencement of construction activities.</p>	<p>MM HWQ-2 shall be included in the construction contract as a contract specification.</p> <p>Prior to commencement of any ground disturbing activities, the Project Engineer or Construction Contractor shall submit a Notice of Intent (NOI) to the State Water Resources Control Board to receive a Waste Discharge Identification Number (WDID).</p> <p>Provide a copy of the site-specific SWPPP and WDID to the Implementing Agency.</p>	<p>A copy of the construction contract including MM HWQ-2 shall be retained in the project file.</p> <p>A copy of the SWPPP and NOI shall be provided to the Implementing Agency.</p> <p>A copy of the SWPPP and NOI shall be kept at the construction site for review during site inspections by the Implementing Agency.</p>	<p>Draft PEIR</p>
	Responsible Party	Monitoring Party	Status / Date / Initials
	Project Engineer Construction Contractor	Implementing Agency	

**PROGRAM EIR FOR THE SIX BASINS STRATEGIC PLAN
MITIGATION MONITORING AND REPORTING PROGRAM (MMRP)
PROJECT CATEGORY 1 – PUMP AND TREAT PROJECTS**

Mitigation Measure	Implementation Schedule	Verification	Source
<p>Hydrology / Water Quality</p> <p>HWQ-3 <u>Implementation of a Drainage Plan to Reduce Downstream Flows.</u> Prior to construction of project facilities, the Watermaster Party proposing a project shall prepare a drainage plan that includes design features to reduce stormwater peak concentration flows exiting the above ground facility sites so that the capacities of the existing downstream drainage facilities are not exceeded. These design features could include bioretention, sand infiltration, return of stormwater for treatment within the treatment plant, and/or detention facilities.</p>	<p>MM HWQ-3 shall be included in the construction contract as a contract specification.</p> <p>The Drainage Plan shall be completed prior to commencement of ground disturbance and shall show how post-construction site drainage would be controlled.</p>	<p>A copy of the construction contract including MM HWQ-3 shall be retained in the project file.</p> <p>A copy of the Drainage Plan shall be submitted to the Implementing Agency prior to commencement of ground disturbance for review and approval.</p> <p>A copy of the Drainage Plan shall be kept in the file.</p>	<p style="text-align: center;">Draft PEIR</p>
	Responsible Party	Monitoring Party	Status / Date / Initials
	Project Engineer	Implementing Agency	

**PROGRAM EIR FOR THE SIX BASINS STRATEGIC PLAN
MITIGATION MONITORING AND REPORTING PROGRAM (MMRP)
PROJECT CATEGORY 1 – PUMP AND TREAT PROJECTS**

Mitigation Measure	Implementation Schedule	Verification	Source
<p>Hydrology / Water Quality</p> <p>HWQ-4 Dewatering General Permit. Prior to commencement of construction activities that would require dewatering and conveyance of groundwater to surface water including but not limited to a storm drain system, the Watermaster Party proposing a project shall submit a Notice of Intent (NOI) to SWRCB under the requirements of the NPDES Dewatering General Permit. The NOI shall include any additional information including a list of BMPs for preventing degradation of water quality or impairment of receiving waters.</p>	<p>MM HWQ-4 shall be included in the construction contract as a contract specification.</p> <p>Prior to commencement of construction activities that would require dewatering, the Watermaster Party undertaking the project shall submit an NOI to SWRCB under the requirements of the State's NPDES Dewatering General Permit.</p> <p>SWRCB shall issue a written determination of eligibility for coverage under the General Permit.</p>	<p>A copy of the construction contract including MM HWQ-4 shall be retained in the project file.</p> <p>A copy of the project's permit for coverage under NPDES Dewatering General Permit shall be provided to the Implementing Agency prior to commencement of well drilling.</p> <p>A copy of the NOI and permit shall be kept in the file.</p> <p>Verification of implementation shall be based on field inspections by the Implementing Agency.</p> <p>Field notes documenting verification shall be retained in the project file.</p>	<p>Draft PEIR</p>
	Responsible Party	Monitoring Party	Status / Date / Initials
	Project Engineer	Implementing Agency	

Mitigation Measure	Implementation Schedule	Verification	Source
<p>Land Use / Planning</p> <p>No mitigation measures</p>			<p>Draft PEIR</p>
	Responsible Party	Monitoring Party	Status / Date / Initials

**PROGRAM EIR FOR THE SIX BASINS STRATEGIC PLAN
MITIGATION MONITORING AND REPORTING PROGRAM (MMRP)
PROJECT CATEGORY 1 – PUMP AND TREAT PROJECTS**

Mitigation Measure	Implementation Schedule	Verification	Source
<p>Noise <u>Construction</u></p> <p>NOI-1 The following mitigation measures are required to reduce noise and vibration levels produced by the construction equipment at nearby, occupied sensitive receiver locations:</p> <ul style="list-style-type: none"> • A focused construction noise and vibration mitigation plan shall be required if any or both of the following screening criteria are met: <ul style="list-style-type: none"> ○ If project construction activities would occur within 100 feet of occupied, sensitive receiver locations (e.g., residential, school, etc. uses): <ul style="list-style-type: none"> - A focused construction noise mitigation plan shall be required which evaluates whether project construction noise levels would exceed the 65 dBA Leq exterior noise level limit at occupied sensitive receiver locations, and the mitigation measures (if any) necessary to satisfy the 65 dBA Leq exterior noise level limit. - Potential mitigation measures to reduce project construction noise levels include, but are not limited to, temporary noise barriers, the use of alternative equipment, noise level monitoring, temporary relocation of residents, or a combination of the above. 	<p>MM NOI-1 shall be included in the construction contract as a contract specification.</p> <p>Prior to commencement of construction activities, a focused Construction Noise and Vibration Mitigation Plan shall be prepared if screening criteria for noise generating construction activities in excess of local Noise Standards are met.</p> <p>Implementation of the Construction Noise and Vibration Mitigation Plan shall be implemented throughout the construction period when screening criteria are met.</p>	<p>A copy of the construction contract including MM NOI-1 shall be placed in the project file.</p> <p>A copy of the Construction Noise and Vibration Mitigation Plan shall be placed in the project file.</p> <p>Verification of implementation shall be based on field inspections by the Implementing Agency.</p> <p>Field notes documenting verification shall be retained in the project file.</p>	<p style="text-align: center;">Draft PEIR</p>
	Responsible Party	Monitoring Party	Status / Date / Initials
	Project Engineer	Implementing Agency	

**PROGRAM EIR FOR THE SIX BASINS STRATEGIC PLAN
MITIGATION MONITORING AND REPORTING PROGRAM (MMRP)
PROJECT CATEGORY 1 – PUMP AND TREAT PROJECTS**

Mitigation Measure	Implementation Schedule	Verification	Source
<p>Noise <u>Construction</u> NOI-2 During all project site construction, the construction contractors shall ensure that all construction equipment, fixed or mobile, shall have properly operating and maintained mufflers, consistent with manufacturers' standards. The construction contractor shall place all stationary construction equipment so that emitted noise is directed away from the noise-sensitive receivers nearest the project site.</p>	<p>MM NOI-2 shall be included in the construction contract as a contract specification.</p> <p>Prior to commencement of construction activities, the construction contractor shall provide the Implementing Agency with a list of construction equipment and vehicles and verify that all equipment and vehicles are in good operational condition per manufacturers standards.</p>	<p>A copy of the construction contract including MM NOI-2 shall be placed in the project file.</p> <p>A copy of the equipment/vehicle list shall be placed in the project file.</p> <p>Verification of implementation shall be based on field inspections by the Implementing Agency.</p> <p>Field notes documenting verification shall be retained in the project file.</p>	Draft PEIR
	Responsible Party	Monitoring Party	Status / Date / Initials
	Project Engineer	Implementing Agency	

Mitigation Measure	Implementation Schedule	Verification	Source
<p>Noise <u>Construction</u> NOI-3 The construction contractor shall locate equipment staging in areas that will create the greatest distance between construction-related noise sources and noise-sensitive receivers nearest the project site during all project construction (i.e., the center of each site).</p>	<p>MM NOI-2 shall be included in the construction contract as a contract specification.</p> <p>Prior to commencement of construction activities, the construction contractor shall provide the Implementing Agency with a site plan showing where staging areas will be located during construction to ensure that all stationary construction equipment that emit noise, is directed away from the noise-sensitive receivers nearest the project site.</p>	<p>A copy of the construction contract including MM NOI-2 shall be placed in the project file.</p> <p>A copy of the Site Plan showing the location of the staging area shall be placed in the project file.</p> <p>Verification of implementation shall be based on field inspections by the Implementing Agency.</p> <p>Field notes documenting verification shall be retained in the project file.</p>	Draft PEIR
	Responsible Party	Monitoring Party	Status / Date / Initials
	Project Engineer	Implementing Agency	

**PROGRAM EIR FOR THE SIX BASINS STRATEGIC PLAN
MITIGATION MONITORING AND REPORTING PROGRAM (MMRP)
PROJECT CATEGORY 1 – PUMP AND TREAT PROJECTS**

Mitigation Measure	Implementation Schedule	Verification	Source
<p>Noise <u>Construction</u> NOI-4 The contractor shall design delivery routes of equipment and materials to minimize the exposure of sensitive land uses or residential dwellings to delivery truck-related noise.</p>	<p>MM NOI-4 shall be included in the construction contract as a contract specification.</p> <p>Prior to commencement of construction activities, the construction contractor shall provide the Implementing Agency with a map showing delivery routes.</p> <p>All vendors making deliveries of equipment and materials shall be provided with a copy of the map of delivery routes.</p>	<p>A copy of the construction contract including MM NOI-4 shall be placed in the project file.</p> <p>A copy of the delivery route map showing the location of the staging area shall be placed in the project file.</p> <p>Verification of implementation shall be based on field inspections by the Implementing Agency</p> <p>Correspondence documenting verification shall be retained in the project file.</p>	<p>Draft PEIR</p>
	Responsible Party	Monitoring Party	Status / Date / Initials
	Project Engineer	Implementing Agency	

**PROGRAM EIR FOR THE SIX BASINS STRATEGIC PLAN
MITIGATION MONITORING AND REPORTING PROGRAM (MMRP)
PROJECT CATEGORY 1 – PUMP AND TREAT PROJECTS**

Mitigation Measure	Implementation Schedule	Verification	Source
<p>Noise <u>Construction</u></p> <p>NOI-5 If high vibration-generating project construction activities such as well drilling equipment, heavy mobile equipment (greater than 80,000 pounds), or large loaded trucks would be used:</p> <ul style="list-style-type: none"> • Within 25 feet of occupied, sensitive receiver locations in the cities of Claremont, Pomona, La Verne, and Upland; or • Within 50 feet of occupied, sensitive receiver locations in unincorporated County of Los Angeles: <ul style="list-style-type: none"> ○ A focused construction vibration mitigation plan shall be required which evaluates whether project construction vibration levels would exceed the exterior vibration level limit at occupied sensitive receiver locations, specific to that jurisdiction’s standards, and the mitigation measures (if any) necessary to satisfy the exterior vibration level limit. - Potential mitigation measures to reduce project construction vibration levels include, but are not limited to, the use of alternative equipment, vibration level monitoring, temporary relocation of residents, or a combination of the above. 	<p>MM NOI-5 shall be included in the construction contract as a contract specification.</p> <p>Prior to commencement of construction activities, a focused Construction Vibration Mitigation Plan shall be prepared and submitted to the Implementing Agency for review and approval if either of the two distance criteria identified in the measure are met.</p> <p>The Construction Vibration Mitigation Plan shall be implemented throughout the construction schedule or until such time as the high-vibration activities cease.</p>	<p>A copy of the construction contract including MM NOI-5 shall be placed in the project file.</p> <p>A copy of the approved Construction Vibration Mitigation Plan shall be placed in the project file.</p> <p>Verification of implementation shall be through reporting by the construction contractor to the Implementing Agency.</p> <p>Field notes documenting verification shall be retained in the project file.</p>	<p style="text-align: center;">Draft PEIR</p>
	Responsible Party	Monitoring Party	Status / Date / Initials
	Project Engineer	Implementing Agency	

**PROGRAM EIR FOR THE SIX BASINS STRATEGIC PLAN
MITIGATION MONITORING AND REPORTING PROGRAM (MMRP)
PROJECT CATEGORY 1 – PUMP AND TREAT PROJECTS**

Mitigation Measure	Implementation Schedule	Verification	Source
<p>Noise <u>Operation</u> NOI-6 The following operational noise abatement measures shall be required to further reduce the potential operational noise levels received at nearby sensitive receiver locations:</p> <ul style="list-style-type: none"> • New, or existing unenclosed, well pumps shall be enclosed to further reduce operational noise levels at nearby sensitive receiver locations (e.g., residential homes). The location of any louvres or openings in the enclosure assembly would reduce the overall noise reduction of the enclosure, and therefore, shall be oriented away from nearby residential homes, if feasible. In addition, acoustically-rated louvres and materials within the enclosure construction are recommended to further reduce the noise levels at the well pump source. • All trucks transiting on-site in outdoor areas of the project facilities should be operated with properly functioning and well-maintained mufflers. • Maintain quality pavement conditions on the property that are free of vertical deflection (i.e., speed bumps) to minimize truck noise. • Truck access gates and loading areas should have posted signs which state: <ol style="list-style-type: none"> 1. Truck drivers shall turn off engines when not in use; 2. No music or electronically reinforced speech from workers should be audible at noise-sensitive properties. 	<p>MM NOI-6 shall be included in the construction contract as a contract specification.</p> <p>Prior to approval of a project, the Site Plan showing how operational noise abatement measures shall be incorporated into the design of new facilities. The Site Plan shall be reviewed and approved by the Implementing Agency.</p> <p>During long-term operation of a project, if changes to the approved operational noise abatement measures, such changes shall be submitted to the Implementing Agency for review and approval.</p>	<p>A copy of the construction contract including MM NOI-6 shall be placed in the project file.</p> <p>A copy of the approved Site Plan shall be placed in the project file.</p> <p>Verification of implementation during construction shall be through reporting by the construction contractor to the Implementing Agency.</p> <p>Field notes documenting verification shall be retained in the project file.</p> <p>Verification of approved changes to the operation of a facility shall be retained in the project file.</p>	<p>Draft PEIR</p>
	Responsible Party	Monitoring Party	Status / Date / Initials
	Project Architect Project Engineer	Implementing Agency	

**PROGRAM EIR FOR THE SIX BASINS STRATEGIC PLAN
MITIGATION MONITORING AND REPORTING PROGRAM (MMRP)
PROJECT CATEGORY 1 – PUMP AND TREAT PROJECTS**

Mitigation Measure	Implementation Schedule	Verification	Source
Population / Housing No mitigation measures			Draft PEIR
	Responsible Party	Monitoring Party	Status / Date / Initials

Mitigation Measure	Implementation Schedule	Verification	Source
Public Services and Recreation <u>Emergency Planning and Traffic Control</u> Refer to mitigation measures TR-1, TR-2, TR-3			Draft PEIR
	Responsible Party	Monitoring Party	Status / Date / Initials
	Project Engineer Construction Contractor	Implementing Agency	

Mitigation Measure	Implementation Schedule	Verification	Source
Public Services and Recreation <u>Wildland Fire</u> No Project Category 1 projects are located in a high fire hazard zone			Draft PEIR
	Responsible Party	Monitoring Party	Status / Date / Initials

**PROGRAM EIR FOR THE SIX BASINS STRATEGIC PLAN
MITIGATION MONITORING AND REPORTING PROGRAM (MMRP)
PROJECT CATEGORY 1 – PUMP AND TREAT PROJECTS**

Mitigation Measure	Implementation Schedule	Verification	Source
<p>Transportation</p> <p>TR-1 Prior to initiating construction of proposed facilities, the Watermaster Party proposing a project or the designated construction contractor, shall prepare and implement a Construction Traffic Management Plan that contains comprehensive strategies for maintaining emergency access on public streets. In general, the Construction Traffic Management Plan shall ensure that to the extent practical, construction traffic would access a project site during off-peak hours or limited access during the peak hours; and that construction traffic would be routed to avoid travel through, or proximate to, sensitive land uses. The Plan shall also include, where necessary, the use of flags, signs and lights, as well as flag persons to direct traffic.</p> <p>Where a project includes new pipelines to connect wells to treatment facilities or to connect the Pomona WTP to the new SASG recharge basin, strategies shall include, but are not limited to, maintaining steel trench plates on public streets to restore access across open trenches and identification of alternate routing around construction zones.</p> <p>Police, fire, and other emergency service providers shall be notified of the timing, location, and duration of the construction activities and the location of detours and lane closures. The Watermaster Party proposing a project, or designated construction contractor shall ensure that the Construction Traffic Management Plan and other construction activities are consistent with the Emergency Response Plan of the jurisdiction in which the project is being constructed.</p>	<p>MM TR-1 shall be included in the construction contract as a contract specification.</p> <p>Prior to initiating construction of proposed facilities, the Watermaster Party proposing a project or the designated construction contractor, shall prepare and implement a Construction Traffic Management Plan.</p> <p>The Watermaster Party proposing a project, or designated construction contractor shall ensure that the Construction Traffic Management Plan and other construction activities are consistent with the Emergency Response Plan of the jurisdiction in which the project is being constructed.</p>	<p>A copy of the construction contract including MM TR-1 shall be retained in the project file.</p> <p>A copy of the Construction Traffic Management Plan shall be placed in the project file.</p> <p>Verification of implementation shall be based on field inspections by the Implementing Agency.</p> <p>Field notes documenting verification shall be retained in the project file.</p>	<p>Draft PEIR</p>
	Responsible Party	Monitoring Party	Status / Date / Initials
	<p>Project Engineer Construction Contractor</p>	<p>Implementing Agency</p>	

**PROGRAM EIR FOR THE SIX BASINS STRATEGIC PLAN
MITIGATION MONITORING AND REPORTING PROGRAM (MMRP)
PROJECT CATEGORY 1 – PUMP AND TREAT PROJECTS**

Mitigation Measure	Implementation Schedule	Verification	Source
<p>Transportation</p> <p>TR-2 As part of the Construction Traffic Management Plan, it shall be stipulated that the delivery and removal of heavy equipment shall be conducted during off- peak hours to minimize the heavy truck activity during the morning and evening peak periods (7 to 9 am and 4 to 6 pm) in order to have nominal impacts to traffic and circulation near the vicinity of a project.</p>	See Implementation Schedule for MM TR-1.	See Verification notes in MM NOI-1.	Draft PEIR
	Responsible Party	Monitoring Party	Status / Date / Initials
	Project Engineer Construction Contractor	Implementing Agency	

Mitigation Measure	Implementation Schedule	Verification	Source
<p>Transportation</p> <p>TR-3 During the site grading, where export of material is required, the construction contractor shall limit export activity between the hours of 7 to 9 am (morning peak period) and 4 to 6 pm (evening peak period) to fewer than the equivalent of 50 passenger car equivalent (PCE) truck trips per hour. 50 PCE truck trips equates to approximately 16 total trucks (8 trucks in and 8 trucks out) during the peak periods specified above in order to limit the potential impacts of haul truck activity during these busy commute times:</p> <p style="text-align: center;"><i>50 PCE truck trips / 3.0 PCE factor = 16 total trucks during the peak hour</i></p>	See Implementation Schedule for MM TR-1.	See Verification notes in MM NOI-1.	Draft PEIR
	Responsible Party	Monitoring Party	Status / Date / Initials
	Project Engineer Construction Contractor	Implementing Agency	

**PROGRAM EIR FOR THE SIX BASINS STRATEGIC PLAN
MITIGATION MONITORING AND REPORTING PROGRAM (MMRP)
PROJECT CATEGORY 1 – PUMP AND TREAT PROJECTS**

Mitigation Measure	Implementation Schedule	Verification	Source
<p>Utilities / Service Systems / Energy USS-1 <u>Implementation of a Drainage Plan to Reduce Downstream Flows.</u> Prior to construction of project facilities, the Watermaster Party proposing a project shall prepare a drainage plan that includes design features to reduce stormwater peak concentration flows exiting the above ground facility sites so that the capacities of the existing downstream drainage facilities are not exceeded. These design features could include bioretention, sand infiltration, return of stormwater for treatment within the treatment plant, and/or detention facilities.</p>	<p>MM USS-1 shall be included in the construction contract as a contract specification.</p> <p>The Drainage Plan shall be completed prior to commencement of ground disturbance and shall show how post-construction site drainage would be controlled.</p>	<p>A copy of the construction contract including MM USS-1 shall be retained in the project file.</p> <p>A copy of the Drainage Plan shall be submitted to the Implementing Agency prior to commencement of ground disturbance for review and approval.</p> <p>A copy of the Drainage Plan shall be kept in the file.</p>	<p>Draft PEIR</p>
	Responsible Party	Monitoring Party	Status / Date / Initials
	Project Engineer	Implementing Agency	

**PROGRAM EIR FOR THE SIX BASINS STRATEGIC PLAN
MITIGATION MONITORING AND REPORTING PROGRAM (MMRP)
PROJECT CATEGORY 1 – PUMP AND TREAT PROJECTS**

Mitigation Measure	Implementation Schedule	Verification	Source
<p>Utilities / Service Systems / Energy</p> <p>USS-2 <u>Implementation of a Construction and Demolition Disposal Plan</u>. Prior to commencement of construction, the contractor shall prepare a Construction and Demolition C&D disposal plan for review and approval by the local jurisdiction where construction will occur. Per CGBC Section 45.408.1.1, <i>Construction Waste Management Plan</i>, the C&D Disposal Plan shall include the following elements:</p> <ol style="list-style-type: none"> 1. Identifies the construction and demolition waste materials to be diverted from disposal by efficient usage, recycling, reuse on the project or salvage for future use or sale. 2. Determines if construction and demolition waste materials will be sorted on-site (source-separated) or bulk mixed (single stream). 3. Identifies diversion facilities where construction and demolition waste material collected will be taken. 4. Specifies that the amount of construction and demolition waste materials diverted shall be calculated by weight or volume, but not by both. 	<p>MM USS-2 shall be included in the construction contract as a contract specification.</p> <p>The Construction and Demolition Disposal Plan shall be completed prior to commencement of construction and be implemented throughout construction activities.</p>	<p>A copy of the construction contract including MM USS-2 shall be retained in the project file.</p> <p>A copy of the Construction and Demolition Disposal Plan shall be submitted to the Implementing Agency prior to commencement of ground disturbance for review and approval.</p> <p>A copy of the Construction and Demolition Disposal Plan shall be kept in the file.</p>	<p>Draft PEIR</p>
	Responsible Party	Monitoring Party	Status / Date / Initials
	Project Engineer	Implementing Agency	

**PROGRAM EIR FOR THE SIX BASINS STRATEGIC PLAN
MITIGATION MONITORING AND REPORTING PROGRAM (MMRP)
PROJECT CATEGORY 2 – STORMWATER AND SUPPLEMENTAL WATER RECHARGE**

Mitigation Measure	Implementation Schedule	Verification	Source
<p><i>Aesthetics</i> <u>Facilities and Landscaping</u> AES-1 Proposed facilities, including walls, gates, treatment facilities, etc., shall be designed in accordance with local design standards in order to be complementary to the local area. Landscaping shall be installed and maintained in conformance with local landscaping design guidelines as appropriate to screen views of new facilities from surrounding areas to the extent feasible taking into consideration the needs of the project and except where such compliance is not required by California law.</p>	<p>AES-1 shall be incorporated into individual project design specifications, which shall be included in the construction contract as a contract specification and implemented by the contractor during construction.</p>	<p>A copy of the construction contract including MM AES-1 shall be retained in the project file(s).</p> <p>Verification of implementation shall be based on field inspections by the Implementing Agency.</p> <p>Field notes documenting verification shall be retained in the project file.</p>	<p>Draft Program Environmental Impact Report (Draft PEIR)</p>
	Responsible Party	Monitoring Party	Status / Date / Initials
	<p>Project Engineer/Architect Construction Contractor</p>	<p>Implementing Agency¹</p>	

Mitigation Measure	Implementation Schedule	Verification	Source
<p><i>Agriculture and Forestry Resources –</i> No mitigation measures</p>			<p>Draft PEIR</p>
	Responsible Party	Monitoring Party	Status / Date / Initials

¹ “Implementing Agency” as used throughout this Mitigation Monitoring and Reporting Program refers to the lead agency implementing a project under the Six Basins Strategic Plan (e.g., Three Valleys Municipal Water District (TVMWD), City of Pomona, City of La Verne, Six Basins Watermaster (Watermaster), or other Watermaster Parties).

**PROGRAM EIR FOR THE SIX BASINS STRATEGIC PLAN
MITIGATION MONITORING AND REPORTING PROGRAM (MMRP)
PROJECT CATEGORY 2 – STORMWATER AND SUPPLEMENTAL WATER RECHARGE**

Mitigation Measure	Implementation Schedule	Verification	Source			
<p><i>Air Quality / Greenhouse Gas Emissions / Global Climate Change</i></p> <p>AQ-1 Construction contractors at each project site shall adhere to applicable measures contained in Table 1 of Rule 403 including, but not limited to:</p> <ul style="list-style-type: none"> • All clearing, grading, earth-moving, or excavation activities shall cease when winds exceed 25 mph per SCAQMD guidelines in order to limit fugitive dust emissions. • The contractor shall ensure that all disturbed unpaved roads and disturbed areas within the Project are watered at least three (3) times daily during dry weather. Watering, with complete coverage of disturbed areas, shall occur at least three times a day, preferably in the mid-morning, afternoon, and after work is done for the day. • The contractor shall ensure that traffic speeds on unpaved roads and Project site areas are limited to 15 miles per hour or less. 	<p>MM AQ-1 shall be implemented during construction of future recharge facilities identified in Project Category 2 and shall be included in the construction contract as a contract specification.</p>	<p>A copy of the construction contract including MM-AQ-1 shall be retained in the project file.</p> <p>Verification of implementation shall be based on field inspections by the Implementing Agency.</p> <p>Field notes from inspections shall be retained in the project file.</p>	<p>Draft PEIR</p>			
				Responsible Party	Monitoring Party	Status / Date / Initials
				Construction Contractor	Implementing Agency	

Mitigation Measure	Implementation Schedule	Verification	Source			
<p><i>Air Quality / Greenhouse Gas Emissions / Global Climate Change</i></p> <p>AQ-2 Regarding emissions of NOx and VOC, when using construction equipment greater than 150 horsepower (>150 HP), the Construction Contractor shall ensure that off-road diesel construction equipment complies with EPA/CARB Tier 4 emissions standards or equivalent and shall ensure that all construction equipment is tuned and maintained in accordance with the manufacturer's specifications.</p>	<p>MM AQ-2 shall be implemented during construction of future recharge facilities identified in Project Category 2 and shall be included in the construction contract as a contract specification.</p>	<p>A copy of the construction contract including MM-AQ-2 shall be retained in the project file.</p> <p>Verification of implementation shall be based on field inspections by the Implementing Agency.</p> <p>Field notes from inspections shall be retained in the project file.</p>	<p>Draft PEIR</p>			
				Responsible Party	Monitoring Party	Status / Date / Initials
				Construction Contractor	Implementing Agency	

**PROGRAM EIR FOR THE SIX BASINS STRATEGIC PLAN
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PROJECT CATEGORY 2 – STORMWATER AND SUPPLEMENTAL WATER RECHARGE**

Mitigation Measure	Implementation Schedule	Verification	Source
<p>Air Quality / Greenhouse Gas Emissions / Global Climate Change</p> <p>AQ-3 SCAQMD Rule 403-Table 1 lists a number of Best Available Control Technologies (BACT) that may apply to the construction of Strategic Plan projects. On a project-by-project basis, SCAQMD Rule 403 Table 1 shall be reviewed and appropriate measures incorporated into a project specific monitoring program.</p>	<p>MM AQ-3 shall be implemented during construction of future recharge facilities identified in Project Category 2 and shall be included in the construction contract as a contract specification.</p>	<p>A copy of the construction contract including MM-AQ-3 shall be retained in the project file.</p> <p>Verification of implementation shall be based on field inspections by the Implementing Agency.</p> <p>Field notes from inspections shall be retained in the project file.</p>	<p>Draft PEIR</p>
	Construction Contractor	Implementing Agency	

Mitigation Measure	Implementation Schedule	Verification	Source
<p>Biological Resources</p> <p>BIO-1a <i>Tree Trimming or Removal.</i> Prior to the trimming or removal of a tree at any project site, a project proponent will coordinate with the local agency to determine if the particular trees targeted for trimming or removal are heritage trees regulated by local agency. If the targeted tree is a heritage under the City or County Regulations, the appropriated application will be submitted and approved by the local agency prior to conducting the trimming or removal of the heritage tree(s), except where compliance is not required by California law.</p>	<p>If tree removal or trimming is identified, MM BIO-1a shall be incorporated into individual project design specifications, which shall be included in the construction contract as a contract specification and implemented by the contractor during construction.</p>	<p>A copy of the construction contract including MM BIO-1a shall be retained in the project file(s).</p> <p>Verification of implementation shall be based on field inspections by the Implementing Agency.</p> <p>Field notes documenting verification shall be retained in the project file.</p>	<p>Draft PEIR</p>
	Project Engineer Project Biologist	Implementing Agency	

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Mitigation Measure	Implementation Schedule	Verification	Source
<p>Biological Resources</p> <p>BIO-1b <i>Removal of Native Trees.</i> Prior to commencement of ground disturbing activities where native trees may require trimming or removal), and to address the potential spread of invasive pests and diseases by implementing the following:</p> <ol style="list-style-type: none"> 1) Prior to tree trimming or removal, a certified arborist shall evaluate trees for infectious tree diseases including but not limited to: sudden oak death (<i>Phytophthora ramorum</i>), thousand canker fungus (<i>Geosmithia morbida</i>), polyphagous shot hole borer (<i>Euwallacea</i> spp.), and goldspotted oak borer (<i>Agrilus auroguttatus</i>) (TCD 2021; UCANR 2021; Phytosphere Research 2012; UCIPM 2013). 2) If a certified arborist determines trees are impacted by infectious pests or diseases, the certified arborist shall prepare an <i>Infectious Tree Disease Management Plan</i> or develop a detailed, robust, enforceable, and feasible list of preventative measures. A plan/list shall provide measures relevant for each tree pest or disease observed. To avoid the spread of infectious tree pests and diseases, infected trees should not be transported from a project area without first being treated using best available management practices described in the <i>Infectious Tree Disease Management Plan</i> or list of preventative measures. 3) If possible, all tree material, especially infected tree material, shall be left on site. The material could be chipped for use as ground cover or mulch. Pruning and power tools should be cleaned and disinfected before use to prevent introducing pathogens from known infested areas, and after use to prevent spread of pathogens to new areas. 	<p>MM BIO-1b shall be included in the construction contract as a contract specification.</p> <p>Prior to tree trimming or removal, a certified arborist shall evaluate trees for infectious tree diseases.</p> <p>If a certified arborist determines trees are impacted by infectious pests or diseases, the certified arborist shall prepare an <i>Infectious Tree Disease Management Plan</i> or develop a detailed, robust, enforceable, and feasible list of preventative measures.</p> <p>If possible, all tree material, especially infected tree material, shall be left on site. The material could be chipped for use as ground cover or mulch. Pruning and power tools should be cleaned and disinfected before use to prevent introducing pathogens from known infested areas, and after use to prevent spread of pathogens to new areas.</p>	<p>A copy of the tree evaluation by a certified arborist shall be retained in the project file(s).</p> <p>A copy of the <i>Infectious Tree Disease Management Plan</i> by a certified arborist shall be retained in the project file(s).</p> <p>Verification of implementation shall be based on field inspections by the Implementing Agency.</p> <p>Field notes documenting verification shall be retained in the project file.</p>	<p>Final PEIR</p>
	Responsible Party	Monitoring Party	Status / Date / Initials
	Project Engineer Project Biologist	Implementing Agency	

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Mitigation Measure	Implementation Schedule	Verification	Source
<p>Biological Resources</p> <p>BIO-2 <i>Nesting Birds</i>. Removal of any trees, shrubs, or any other potential nesting habitat shall be conducted outside the avian nesting season, as verified by a qualified Avian Biologist. The nesting season generally extends from February 1 through August 31, but it can vary slightly from year to year based on seasonal weather conditions. If ground disturbance and vegetation removal cannot occur outside of the qualified Avian Biologist's-verified nesting season, a preconstruction clearance survey for nesting birds shall be conducted within 30 days of the start of any vegetation. If no active nests are found, no further action would be required. If an active nest is found, the biologist shall set appropriate no-work buffers around the nest, which would be determined based on the nesting species, its sensitivity to disturbance, nesting stage and expected types, intensity and duration of disturbance. The nests and buffer zones shall be field checked weekly by a qualified biological monitor. The approved no-work buffer zone shall be clearly marked in the field, within which no disturbance activity shall commence until the qualified biologist has determined the young birds have successfully fledged and the nest is inactive.</p>	<p>MM BIO-2 shall be included in the construction contract as a contract specification.</p> <p>The preconstruction survey(s) shall be conducted prior to commencement of site disturbance activities.</p> <p>If an active bird nest is located, a qualified biologist shall prepare and implement a monitoring program to periodically monitor the buffer area where no construction activities shall occur until such time as the project biologist determines fledglings have left the nest.</p>	<p>A copy of the construction contract including MM BIO-2 shall be retained in the project file(s).</p> <p>A copy of the survey(s) shall be placed in the project file (if applicable).</p> <p>Verification of implementation shall be based on field notes provided by the biological monitor to the Implementing Agency.</p> <p>Field notes shall be retained in the project file.</p>	<p style="text-align: center;">Draft PEIR</p>
	Responsible Party	Monitoring Party	Status / Date / Initials
	Project Engineer Project Biologist	Implementing Agency	

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Mitigation Measure	Implementation Schedule	Verification	Source
<p>Biological Resources</p> <p>BIO-3 <i>Additional Biological Resources Assessments.</i> Prior to the approval of future projects on sites not identified in this EIR and occurring within an undeveloped area, or sites within the SASG or TCSG where new recharge basins and related infrastructure are proposed, a biological assessment shall be made of the selected or potential sites to determine if sensitive biological resources (sensitive plant community, sensitive species, jurisdiction waters) are present. If a sensitive biological resource is present, an analysis will be made of the potential for impact to the resource, an appropriate mitigation strategy will be developed and submitted to the wildlife and regulatory agencies with authority to review and approve the mitigation strategy as reducing impacts to less than significant. Either appropriate avoidance and or minimization measures will be developed to offset any potential impact or offsite mitigation shall be provided to offset the impact. Where a species is State-listed, CDFW would require full mitigation under an Incidental Take Permit. At a minimum, the mitigation strategy shall (1) identify the affected SSC; (2) identify strategies for handling and relocation of individuals per CDFW guidance, and (3) identify compensatory mitigation for temporary or permanent loss of habitat that supports SSC (ratio to be determined in consultation with CDFW) and/or through acquisition of an Incidental Take Permit if a state listed or candidate species is determined to be present.</p>	<p>The Biological Resources Assessment shall be completed prior to commencement of any ground disturbing activities.</p> <p>Consultation with regulatory agencies (e.g., CDFW, ACOE) shall be completed prior to commencement of any ground disturbing activities.</p>	<p>A copy of the construction contract including MM BIO-2 shall be retained in the project file(s).</p> <p>MM BIO-3 shall be completed prior to approval of a project.</p> <p>If consultation with CDFW is required, the 2081 permit or Streambed Alteration agreement shall be provided to the construction contractor for implementation of measures required by the permit or agreement.</p>	<p>Administrative Draft PEIR</p>
	Responsible Party	Monitoring Party	Status / Date / Initials
	<p>Project Engineer Project Biologist</p>	<p>Implementing Agency</p>	

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Mitigation Measure	Implementation Schedule	Verification	Source
<p>Biological Resources</p> <p>BIO-4 <i>Wetland Permits or Streambed Alteration Agreement.</i> Prior to approval of a project where permanent impacts in areas determined to be potential jurisdictional wetlands or riparian features, Waters of the State or Waters of the U.S., the Watermaster Party undertaking a project shall consult with the regulatory agencies (USACE, RWQCB and CDFW) to determine if a CWA 404 permit, CWA 401 or a Streambed Alteration Agreement under Fish and Game Code 1602 are required prior to development. Based on a notification pursuant to Fish and Game Code section 1602 and other information, CDFW will determine whether a Lake and Streambed Alteration (LSA) Agreement is required prior to conducting proposed activities. An LSA Notification shall include the following: 1) an analysis to demonstrate that concrete-lined or soft-bottom channels would not be impaired (e.g., aggraded, incised, increased suspended sediment), 2) a hydrological evaluation of the 100, 50, 25, 10, 5, and 2-year frequency storm event for existing and proposed conditions, 3) whether dewatering/diversion of water may be necessary, and (if applicable) 4), an analysis of whether diversion structures would impact stormwater and dry season water flow, and the extent of those impacts, during the wet season (November through March), dry season (April through October), and both above-average and below-average water year.</p> <p>a) On- or offsite replacement of USACE / RWQCB jurisdictional waters of the U.S. and/or waters of the State at a ratio no less than 1:1 for permanent impacts and to restore the site to pre-project conditions for temporary impacts. Offsite replacement may include the purchase of mitigation credits at an agency-approved offsite mitigation bank or in-lieu fee program.</p>	<p>MM BIO-4 shall be included in the construction contract as a contract specification.</p> <p>Consultation with regulatory agencies ((USACE, RWQCB and CDFW) shall be completed prior to approval of the recharge project proposed to be undertaken.</p> <p>Replacement habitat or the purchase of mitigation credits in an existing mitigation bank shall be determined as part of the consultation.</p> <p>Timing of the development of replacement habitat on-site shall be determined during consultation.</p>	<p>A copy of the construction contract including MM BIO-4 shall be retained in the project file(s).</p> <p>A copy of the results of the consultation (e.g., permits, mitigation plan) shall be placed in the project file (if applicable).</p> <p>Verification of implementation shall be based on field notes provided by the biological monitor to the Implementing Agency.</p> <p>Field notes shall be retained in the project file.</p>	<p style="text-align: center;">Final PEIR</p>

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Mitigation Measure	Implementation Schedule	Verification	Source
b) On- or offsite replacement of CDFW jurisdictional streambed and associated riparian habitat shall occur at a ratio no less than 2:1 for permanent impacts and to restore the site to pre-project conditions for temporary impacts. Offsite replacement may include the purchase of mitigation credits at an agency-approved offsite mitigation bank or in-lieu fee program.			
	Responsible Party	Monitoring Party	Status / Date / Initials
	Project Engineer Project Biologist	Implementing Agency Regulatory Agencies	

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Mitigation Measure	Implementation Schedule	Verification	Source
<p>Cultural Resources / Tribal Cultural Resources</p> <p>CUL-1 Prior to approval of a project identified under Project Categories 1 through 3, a project proponent (Watermaster Party) shall retain a qualified archaeologist, defined as an archaeologist meeting the Secretary of the Interior's Standards for professional archaeology to conduct an assessment of the project site and vicinity for all project elements that involve ground disturbance. The archaeologist shall conduct cultural resources assessment consisting of: (1) a cultural resources records search to be conducted at the South Central Coastal Information Center located at California State University Fullerton; (2) consultation with the Native American Heritage Commission (NAHC) and with interested Native Americans identified by NAHC; (3) a field survey by the archaeologist; and (4) recordation of all identified archaeological resources located on a project site on California Department of Parks and Recreation 523 Site Record forms. The archaeologist shall provide recommendations regarding resource significance and additional work for those resources that may be affected by a project.</p> <p>Consultation with Native American tribes as set forth in Assembly Bill (AB) 52 shall be completed prior to a Watermaster Party approving a project.</p>	<p>MM CUL-1 shall be included in the construction contract as a contract specification.</p> <p>The Cultural Resources Assessment (CRA) shall be completed prior to approval of a project by the Implementing Agency.</p> <p>Should the CRA determine that resources may be uncovered during construction, an Archaeological monitor shall prepare and implement a monitoring program.</p>	<p>A copy of the construction contract including MM CUL-1 shall be retained in the project file(s).</p> <p>A copy of the Cultural Resources Assessment and Monitoring Program (if applicable) shall be placed in the project file.</p> <p>A copy of the construction contract shall be retained in the project file.</p> <p>The Implementing Agency shall be notified within 24-hours of any accidental exposure of subsurface cultural resources. After a determination is made and the significance of the find determined, the management recommendations shall be implemented and documented. A final report of findings shall be submitted to the Implementing Agency for retention.</p> <p>Field notes from Archaeological monitor shall be retained in the project file.</p>	<p>Draft PEIR</p>
	Responsible Party	Monitoring Party	Status / Date / Initials
	Project Engineer Project Archaeologist	Implementing Agency	

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Mitigation Measure	Implementation Schedule	Verification	Source
<p>Cultural Resources / Tribal Cultural Resources</p> <p>CUL-3 In the event that human remains are uncovered at a project site, there shall be no further excavation or disturbance of the site or any nearby area reasonably suspected to overlie adjacent human remains until:</p> <ul style="list-style-type: none"> • The coroner of the county in which the remains are discovered must be contacted to determine that no investigation of the cause of death is required, and • If the coroner determines the remains to be Native American: <ul style="list-style-type: none"> ○ The coroner shall contact the Native American Heritage Commission within 24 hours. ○ The Native American Heritage Commission shall identify the person or persons it believes to be the most likely descended from the deceased Native American. ○ The most likely descendent may make recommendations to the landowner or the person responsible for the excavation work, for means of treating or disposing of, with appropriate dignity, the human remains and any associated grave goods as provided in Public Resources Code Section 5097.98. • Where the following conditions occur, the landowner or his authorized representative shall rebury the Native American human remains and associated grave goods with appropriate dignity on the property in a location not subject to further subsurface disturbance. 	<p>MM CUL-3 shall be included in the construction contract as a contract specification.</p> <p>During ground disturbing activities and in the event that human remains are uncovered at a project site.</p>	<p>A copy of the construction contract including MM CUL-3 shall be retained in the project file.</p> <p>Excavation or disturbance shall cease and the coroner of the county in which the remains are discovered must be contacted.</p> <p>If the remains are Native American, disposition of the remains shall be by agreement between the coroner and the most likely descendent.</p>	<p style="text-align: center;">Draft PEIR</p>

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Mitigation Measure	Implementation Schedule	Verification	Source
CUL-3 (cont.) <ul style="list-style-type: none"> ○ The Native American Heritage Commission is unable to identify a most likely descendent or the most likely descendent failed to make a recommendation within 24 hours after being notified by the commission. ○ The descendant identified fails to make a recommendation; or ○ The landowner or his authorized representative rejects the recommendation of the descendant, and the mediation by the Native American Heritage Commission fails to provide measures acceptable to the landowner. 			
	Responsible Party	Monitoring Party	Status / Date / Initials
	Project Engineer Project Archaeologist	Implementing Agency	

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Mitigation Measure	Implementation Schedule	Verification	Source
<p>Cultural Resources / Tribal Cultural Resources</p> <p>CUL-4 Prior to approval of a project, the Watermaster Party undertaking the project shall conduct AB 52 consultation with Native American tribes based on a list provided by the NAHC. If the lead agency determines that a project may cause a substantial adverse change to a tribal cultural resource, identified through project-specific AB 52 consultation, and measures are not otherwise identified in the consultation process required under PRC Section 21080.3.2, Watermaster Parties shall implement the following measures where feasible and necessary to address site specific impacts to avoid or minimize the significant adverse impacts:</p> <ul style="list-style-type: none"> • Avoidance and preservation of the resources in place, including, but not limited to: planning and construction to avoid the resources and protect the cultural and natural context, or planning greenspace, parks, or other open space, to incorporate the resources with culturally appropriate protection and management criteria. • Treating the resource with culturally appropriate dignity taking into account the tribal cultural values and meaning of the resource, including, but not limited to, the following: <ul style="list-style-type: none"> ○ Protecting the cultural character and integrity of the resource ○ Protecting the traditional use of the resource ○ Protecting the confidentiality of the resource • Permanent conservation easements or other interests in real property, with culturally appropriate management criteria for the purposes of preserving or utilizing the resources or places. • Protecting the resource. 	<p>Prior to approval of a project, the Implementing Agency with authority to approve the project shall conduct AB 52 consultation with Native American tribes based on a list provided by the NAHC.</p> <p>See MM CUL-1 for requirements for the preparation of a Cultural Resources Assessment.</p> <p>If Cultural Resources are uncovered, further consultation with NAHC and the Native American tribe consulting on the project shall be undertaken to determine how to avoid or minimize impacts including avoidance/ preservation in place and a permanent conservation easement.</p> <p>Site specific impacts to Cultural Resources shall be addressed prior to returning to the site where the resources were uncovered to continue construction.</p>	<p>A copy of the construction contract including MM CUL-4 shall be retained in the project file.</p> <p>A copy of the construction contract shall be retained in the project file.</p> <p>Excavation or disturbance of cultural resources shall cease until the Project Archaeologist determines the significance of the find.</p> <p>A final report of findings shall be submitted to the City for retention.</p> <p>Field notes from Archaeologist shall be retained in the project file.</p>	<p>Draft PEIR</p>
	Responsible Party	Monitoring Party	Status / Date / Initials
	Project Engineer Project Archaeologist	Implementing Agency	

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Mitigation Measure	Implementation Schedule	Verification	Source
Environmental Justice Refer to mitigation measures AQ-1 and AQ-2			Draft PEIR
	Responsible Party	Monitoring Party	Status / Date / Initials
	Construction Contractor	Implementing Agency	

Mitigation Measure	Implementation Schedule	Verification	Source
Environmental Justice <u>Hazards / Emissions</u> Refer to mitigation measure HAZ-1			Draft PEIR
	Responsible Party	Monitoring Party	Status / Date / Initials
	Construction Contractor	Implementing Agency	

Mitigation Measure	Implementation Schedule	Verification	Source
Environmental Justice <u>Hazards / Contamination</u> Refer to mitigation measure HAZ-3			Draft PEIR
	Responsible Party	Monitoring Party	Status / Date / Initials
	Project Engineer	Implementing Agency	

Mitigation Measure	Implementation Schedule	Verification	Source
Environmental Justice <u>Construction Traffic Management Plan</u> Refer to mitigation measures TR-1, TR-2 and TR-3			Administrative Draft PEIR
	Responsible Party	Monitoring Party	Status / Date / Initials
	Project Engineer Construction Contractor	Implementing Agency	

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Mitigation Measure	Implementation Schedule	Verification	Source
<p><i>Geology / Soils / Paleontological Resources / Mineral Resources</i> <u>Geology and Soils</u> GEO-1 Should a project in any of the categories of projects be located within a designated Alquist-Priolo Fault Zone, the project proponent shall consider relocating the project to another site. If that is not feasible, then the project shall be designed in accordance with the most current version of the CBC and subject to a project specific Geotechnical Investigation.</p>	<p>The design level geotechnical investigation shall be completed prior to completion of facility design.</p> <p>The measures identified in the geotechnical investigation shall be incorporated into individual project design specifications.</p> <p>Site specific design criteria shall be included in the construction contract as contract specifications.</p>	<p>A copy of the geotechnical investigation shall be retained in the project file(s).</p> <p>A copy of the construction contract including this geology/soils mitigation measure shall be retained in the project file(s).</p> <p>Verification of implementation shall be based on field inspections by the Implementing Agency.</p> <p>Field notes documenting verification shall be retained in the project file.</p>	<p>Draft PEIR</p>
	Responsible Party	Monitoring Party	Status / Date / Initials
	<p>Project Engineer Project Geologist Construction Contractor</p>	<p>Implementing Agency</p>	

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Mitigation Measure	Implementation Schedule	Verification	Source
<p><i>Geology / Soils / Paleontological Resources / Mineral Resources</i> <u>Geology and Soils</u> GEO-2 Prior to approval of a project, a design-level geotechnical investigation shall be completed. The investigation shall identify all potential seismic hazards including fault rupture, and characterize the soil profiles, including liquefaction potential, expansive soil potential, and potential for subsidence to occur. The geotechnical investigation shall recommend site-specific design criteria to mitigate for seismic and non-seismic hazards, such as special foundations and structural setbacks, and these recommendations shall be incorporated into the design of individual projects.</p>	<p>The design level geotechnical investigation shall be completed prior to completion of facility design.</p> <p>The measures identified in the geotechnical investigation shall be incorporated into individual project design specifications.</p> <p>Site specific design criteria shall be included in the construction contract as contract specifications.</p>	<p>A copy of the geotechnical investigation shall be retained in the project file(s).</p> <p>A copy of the construction contract including this geology/soils mitigation measure shall be retained in the project file(s).</p> <p>Verification of implementation shall be based on field inspections by the Implementing Agency.</p> <p>Field notes documenting verification shall be retained in the project file.</p>	<p>Draft PEIR</p>
	Responsible Party	Monitoring Party	Status / Date / Initials
	<p>Project Engineer Project Geologist Construction Contractor</p>	<p>Implementing Agency</p>	

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Mitigation Measure	Implementation Schedule	Verification	Source
<p>Geology / Soils / Paleontological Resources / Mineral Resources <u>Paleontological Resources</u> GEO-3 For project-level development involving ground disturbance, a qualified paleontologist shall be retained to determine the necessity of conducting a study of the project area(s) based on the potential sensitivity of the project site for paleontological resources. If deemed necessary, the paleontologist shall conduct a paleontological resources inventory designed to identify potentially significant resources. The paleontological resources inventory would consist of: a paleontological resource records search to be conducted at the San Bernardino County Museum and/or other appropriate facilities; a field survey or monitoring where deemed appropriate by the paleontologist; and recordation of all identified paleontological resources.</p>	<p>MM GEOL-3 shall be included in the construction contract as a contract specification.</p> <p>Prior to commencement of ground disturbance, a qualified paleontologist shall be retained to determine the necessity of conducting a study of the project area(s) based on the potential sensitivity of the project site for paleontological resources.</p> <p>If required, prior to commencement of ground disturbing activities, a qualified paleontologist shall conduct a paleontological resources inventory of a project site.</p>	<p>A copy of the construction contract including MM GEO-3 shall be retained in the project file.</p> <p>A copy of the paleontologists finding that a project may/may not uncover paleontological inventory and whether a monitor is required during construction, shall be retained in the project file.</p> <p>A copy of the paleontological resources inventory (if prepared) shall be placed in the project file.</p> <p>If a monitor is required, field notes from the Paleontological monitor shall be retained in the project file.</p>	<p style="text-align: center;">Draft PEIR</p>
	Responsible Party	Monitoring Party	Status / Date / Initials
	Project Engineer Project Paleontologist Construction Contractor	Implementing Agency	

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PROJECT CATEGORY 2 – STORMWATER AND SUPPLEMENTAL WATER RECHARGE**

Mitigation Measure	Implementation Schedule	Verification	Source
<p><i>Hazards and Hazardous Materials / Airport Safety / Wildfire Hazards</i> <u>Hazards / Vector Control</u></p> <p>HAZ-2 Prior to the initial use of new or expanded recharge basins within spreading grounds, Watermaster Parties proposing new recharge basins or expansion of existing recharge basins in spreading grounds shall coordinate with the local vector control agencies (West Valley MVCD or SGVMVCD) to develop a strategy/plan to minimize occurrence of vectors, such as midges and mosquitos; and to establish protocols for monitoring and eradicating vectors should they be found when basins are in use (filled with water). Monitoring to determine presence/absence of vectors during periods when recharge basins are holding water shall be the responsibility of the individual Watermaster Party to engage the services of a vector control professional. Should monitoring have positive results, the vector control professional shall work with the Vector Control District to implement control measures as set forth in the approved strategy/plan. The strategy/plan shall be prepared and available to be implemented prior to initiating the use of a new recharge basins or expansion area of an existing recharge basins.</p>	<p>Prior to the initial use of new or expanded recharge basins within spreading grounds, the Watermaster Party proposing a new recharge basin or expansion of existing recharge basins shall coordinate with the local vector control agencies to develop a strategy/plan (Vector Control Plan) to minimize occurrence of vectors, such as midges and mosquitos.</p> <p>The Vector Control Plan shall include a list of protocols for monitoring and eradicating vectors should they be found when basins are in use (filled with water).</p> <p>MM HAZ-3 shall be included in the construction contract as a contract specification.</p>	<p>A copy of the construction contract including MM HAZ-3 shall be retained in the project file.</p> <p>A copy of the Vector Control Plan shall be placed in the project file.</p> <p>Verification of implementation shall be based on field inspections by the vector control district with jurisdiction over a project site.</p> <p>Field notes documenting verification shall be retained in the project file.</p>	<p style="text-align: center;">Draft PEIR</p>
	Responsible Party	Monitoring Party	Status / Date / Initials
	Project Engineer Construction Contractor	Vector Control District with Jurisdiction	

**PROGRAM EIR FOR THE SIX BASINS STRATEGIC PLAN
 MITIGATION MONITORING AND REPORTING PROGRAM (MMRP)
 PROJECT CATEGORY 2 – STORMWATER AND SUPPLEMENTAL WATER RECHARGE**

Mitigation Measure	Implementation Schedule	Verification	Source
<p><u>Wildland Fire</u> HAZ-5 Prior to approval of new facilities (recharge basins, new production wells, pipeline interconnects and related facilities) that would be located in areas designated as Fire Hazard Severity Zones by CAL FIRE, a site-specific Fire Management Plan shall be developed that identifies fire hazard reduction measures to be implemented during construction. These measures shall address all staging areas, welding areas, or areas slated for development that are planned to use spark-producing equipment. These areas shall be cleared of dried vegetation or other material that could ignite. Any construction equipment that includes a spark arrestor shall be equipped with a spark arrestor in good working order. During the construction of the project facilities, all vehicles and crews working at the project site to have access to functional fire extinguishers at all times. In addition, construction crews shall have a spotter during welding activities to look out for potentially dangerous situations, including accidental sparks. A Fire Management Plan shall also be implemented at those sites where maintenance activities may be similar to construction activities.</p>	<p>Prior to approval of new facilities (recharge basins, new production wells, pipeline interconnects and related facilities) that would be located in areas designated as Fire Hazard Severity Zones by CAL FIRE.</p> <p>The Fire Management Plan shall be implemented during all stages of construction.</p>	<p>A copy of the construction contract including MM HAZ-5 shall be retained in the project file.</p> <p>A copy of the Fire Management Plan shall be placed in the project file.</p> <p>Verification of implementation shall be based on field inspections by the Implementing Agency.</p> <p>Field notes documenting verification shall be retained in the project file.</p>	<p style="text-align: center;">Draft PEIR</p>
	Responsible Party	Monitoring Party	Status / Date / Initials
	Project Engineer Construction Contractor	Implementing Agency	

**PROGRAM EIR FOR THE SIX BASINS STRATEGIC PLAN
MITIGATION MONITORING AND REPORTING PROGRAM (MMRP)
PROJECT CATEGORY 2 – STORMWATER AND SUPPLEMENTAL WATER RECHARGE**

Mitigation Measure	Implementation Schedule	Verification	Source
<u>Wildland Fire</u> HAZ-6 Prior to commencement of maintenance activities during long term operation of facilities located in Fire Hazard Severity Zones, the Watermaster Party conducting operations/maintenance (e.g., spreading ground desilting and vegetation removal, maintenance of well sites, etc.) shall ensure that a Fire Management Plan shall be included in the maintenance plans for each facility.	Prior to commencement of maintenance activities that would be similar to construction activities, the Fire Management Plan shall be modified (if necessary) and implemented during maintenance activities that would be similar to construction activities (e.g., vegetation removal, basin desilting).	A copy of the construction contract including MM HAZ-6 shall be retained in the project file. A copy of the Fire Management Plan shall be placed in the project file. Verification of implementation shall be based on field inspections by the Implementing Agency. Field notes documenting verification shall be retained in the project file.	Draft PEIR
	Responsible Party	Monitoring Party	Status / Date / Initials
	Project Engineer Construction Contractor	Implementing Agency	

Mitigation Measure	Implementation Schedule	Verification	Source
<i>Hazards and Hazardous Materials / Airport Safety / Wildfire Hazards</i> <u>Emergency Planning</u> Refer to mitigation measures TR-1, TR-2 and TR-3			Draft PEIR
	Responsible Party	Monitoring Party	Status / Date / Initials
	Project Engineer Construction Contractor	Implementing Agency	

**PROGRAM EIR FOR THE SIX BASINS STRATEGIC PLAN
MITIGATION MONITORING AND REPORTING PROGRAM (MMRP)
PROJECT CATEGORY 2 – STORMWATER AND SUPPLEMENTAL WATER RECHARGE**

Mitigation Measure	Implementation Schedule	Verification	Source
<p>Hydrology / Water Quality</p> <p>HWQ-2 <u>Implementation of a SWPPP and the Use of BMPs During Construction.</u> Prior to commencement of any ground disturbing activities on a project site, the Watermaster Party or construction contractor shall prepare a SWPPP (area of disturbance one acre or greater) and submit a Notice of Intent to the State Water Resources Board. Implementation of BMPs as outlined in the SWPPP shall be on-going during construction activities. A copy of the SWPPP and the Waste Discharge Identification number, shall be kept at the construction and available for review by inspectors until construction is completed. For sites where the area of disturbance would be less than one acre, the project proponent or construction contractor is still responsible for maintaining the site and must provide the city in which construction activities will take place, with a list of BMPs and a schedule for completion of such activities, prior to commencement of construction activities.</p>	<p>MM HWQ-2 shall be included in the construction contract as a contract specification.</p> <p>Project Engineer or Construction Contractor shall submit a Notice of Intent (NOI) to the State Water Resources Control Board to receive a Waste Discharge Identification Number (WDID).</p> <p>Provide a copy of the site-specific SWPPP and WDID to the Implementing Agency.</p>	<p>A copy of the construction contract including MM HWQ-2 shall be retained in the project file.</p> <p>A copy of the SWPPP and NOI shall be provided to the Implementing Agency.</p> <p>A copy of the SWPPP and NOI shall be kept at the construction site for review during site inspections by the Implementing Agency.</p>	<p>Draft PEIR</p>
	Responsible Party	Monitoring Party	Status / Date / Initials
	Project Engineer Construction Contractor	Implementing Agency	

**PROGRAM EIR FOR THE SIX BASINS STRATEGIC PLAN
MITIGATION MONITORING AND REPORTING PROGRAM (MMRP)
PROJECT CATEGORY 2 – STORMWATER AND SUPPLEMENTAL WATER RECHARGE**

Mitigation Measure	Implementation Schedule	Verification	Source
<p>Hydrology / Water Quality</p> <p>HWQ-3 <u>Implementation of a Drainage Plan to Reduce Downstream Flows.</u> Prior to construction of project facilities, the Watermaster Party proposing a project shall prepare a drainage plan that includes design features to reduce stormwater peak concentration flows exiting the above ground facility sites so that the capacities of the existing downstream drainage facilities are not exceeded. These design features could include bioretention, sand infiltration, return of stormwater for treatment within the treatment plant, and/or detention facilities.</p>	<p>MM HWQ-3 shall be included in the construction contract as a contract specification.</p> <p>The Drainage Plan shall be completed prior to commencement of ground disturbance and shall show how post-construction site drainage would be controlled.</p>	<p>A copy of the construction contract including MM HWQ-3 shall be retained in the project file.</p> <p>A copy of the Drainage Plan shall be submitted to the Implementing Agency prior to commencement of ground disturbance for review and approval.</p> <p>A copy of the Drainage Plan shall be kept in the file.</p>	<p>Draft PEIR</p>
	Responsible Party	Monitoring Party	Status / Date / Initials
	<p>Project Engineer Construction Contractor</p>	<p>Implementing Agency</p>	

Mitigation Measure	Implementation Schedule	Verification	Source
<p>Land Use / Planning</p> <p>No mitigation measures</p>			<p>Draft PEIR</p>
	Responsible Party	Monitoring Party	Status / Date / Initials

**PROGRAM EIR FOR THE SIX BASINS STRATEGIC PLAN
MITIGATION MONITORING AND REPORTING PROGRAM (MMRP)
PROJECT CATEGORY 2 – STORMWATER AND SUPPLEMENTAL WATER RECHARGE**

Mitigation Measure	Implementation Schedule	Verification	Source
<p>Noise <u>Construction</u> NOI-1 The following mitigation measures are required to reduce noise and vibration levels produced by the construction equipment at nearby, occupied sensitive receiver locations:</p> <ul style="list-style-type: none"> • A focused construction noise and vibration mitigation plan shall be required if any or both of the following screening criteria are met: <ul style="list-style-type: none"> ○ If project construction activities would occur within 100 feet of occupied, sensitive receiver locations (e.g., residential, school, etc. uses): <ul style="list-style-type: none"> - A focused construction noise mitigation plan shall be required which evaluates whether project construction noise levels would exceed the 65 dBA Leq exterior noise level limit at occupied sensitive receiver locations, and the mitigation measures (if any) necessary to satisfy the 65 dBA Leq exterior noise level limit. - Potential mitigation measures to reduce project construction noise levels include, but are not limited to, temporary noise barriers, the use of alternative equipment, noise level monitoring, temporary relocation of residents, or a combination of the above. 	<p>MM NOI-1 shall be included in the construction contract as a contract specification.</p> <p>Prior to commencement of construction activities, a focused Construction Noise and Vibration Mitigation Plan shall be prepared if screening criteria for noise generating construction activities in excess of local Noise Standards are met.</p> <p>Implementation of the Construction Noise and Vibration Mitigation Plan (if required) shall be implemented throughout the construction period when screening criteria are met.</p>	<p>A copy of the construction contract including MM NOI-1 shall be placed in the project file.</p> <p>A copy of the Construction Noise and Vibration Mitigation Plan (if required) shall be placed in the project file.</p> <p>Verification of implementation shall be based on field inspections by the Implementing Agency.</p> <p>Field notes documenting verification shall be retained in the project file.</p>	<p style="text-align: center;">Draft PEIR</p>
	Responsible Party	Monitoring Party	Status / Date / Initials
	Project Engineer Construction Contractor	Implementing Agency	

**PROGRAM EIR FOR THE SIX BASINS STRATEGIC PLAN
 MITIGATION MONITORING AND REPORTING PROGRAM (MMRP)
 PROJECT CATEGORY 2 – STORMWATER AND SUPPLEMENTAL WATER RECHARGE**

Mitigation Measure	Implementation Schedule	Verification	Source
<p>Noise <u>Construction</u> NOI-2 During all project site construction, the construction contractors shall ensure that all construction equipment, fixed or mobile, shall have properly operating and maintained mufflers, consistent with manufacturers' standards.</p>	<p>MM NOI-2 shall be included in the construction contract as a contract specification.</p> <p>Prior to commencement of construction activities, the construction contractor shall provide the Implementing Agency with a list of construction equipment and vehicles and verify that all equipment and vehicles are in good operational condition per manufacturers standards.</p>	<p>A copy of the construction contract including MM NOI-2 shall be placed in the project file.</p> <p>A copy of the equipment/vehicle list shall be placed in the project file.</p> <p>Verification of implementation shall be based on field inspections by the Implementing Agency.</p> <p>Field notes documenting verification shall be retained in the project file.</p>	<p style="text-align: center;">Draft PEIR</p>
	Responsible Party	Monitoring Party	Status / Date / Initials
	Project Engineer Construction Contractor	Implementing Agency	

**PROGRAM EIR FOR THE SIX BASINS STRATEGIC PLAN
MITIGATION MONITORING AND REPORTING PROGRAM (MMRP)
PROJECT CATEGORY 2 – STORMWATER AND SUPPLEMENTAL WATER RECHARGE**

Mitigation Measure	Implementation Schedule	Verification	Source
<p>Noise <u>Construction</u> NOI-3 The construction contractor shall locate equipment staging in areas that will create the greatest distance between construction-related noise sources and noise-sensitive receivers nearest the project site during all project construction (i.e., the center of each site).</p>	<p>MM NOI-2 shall be included in the construction contract as a contract specification.</p> <p>Prior to commencement of construction activities, the construction contractor shall provide the Implementing Agency with a site plan showing where staging areas will be located during construction to ensure that all stationary construction equipment that emit noise, is directed away from the noise-sensitive receivers nearest the project site.</p>	<p>A copy of the construction contract including MM NOI-2 shall be placed in the project file.</p> <p>A copy of the Site Plan showing the location of the staging area shall be placed in the project file.</p> <p>Verification of implementation shall be based on field inspections by the Implementing Agency.</p> <p>Field notes documenting verification shall be retained in the project file.</p>	<p>Draft PEIR</p>
	Responsible Party	Monitoring Party	Status / Date / Initials
	<p>Project Engineer Construction Contractor</p>	<p>Implementing Agency</p>	

**PROGRAM EIR FOR THE SIX BASINS STRATEGIC PLAN
 MITIGATION MONITORING AND REPORTING PROGRAM (MMRP)
 PROJECT CATEGORY 2 – STORMWATER AND SUPPLEMENTAL WATER RECHARGE**

Mitigation Measure	Implementation Schedule	Verification	Source
<p>Noise <u>Construction</u> NOI-4 Prior to commencement of construction activities, the construction contractor shall design delivery routes of equipment and materials to minimize the exposure of sensitive land uses or residential dwellings to delivery truck-related noise. A map of delivery routes shall be provided to vendors making deliveries of equipment and materials.</p>	<p>MM NOI-4 shall be included in the construction contract as a contract specification.</p> <p>Prior to commencement of construction activities, the construction contractor shall provide the Implementing Agency with a map showing delivery routes.</p> <p>All vendors making deliveries of equipment and materials shall be provided with a copy of the map of delivery routes.</p>	<p>A copy of the construction contract including MM NOI-4 shall be placed in the project file.</p> <p>A copy of the delivery route map showing the location of the staging area shall be placed in the project file.</p> <p>Verification of implementation shall be based on field inspections by the Implementing Agency</p> <p>Correspondence documenting verification shall be retained in the project file.</p>	<p>Draft PEIR</p>
	Responsible Party	Monitoring Party	Status / Date / Initials
	Project Engineer Construction Contractor	Implementing Agency	

**PROGRAM EIR FOR THE SIX BASINS STRATEGIC PLAN
MITIGATION MONITORING AND REPORTING PROGRAM (MMRP)
PROJECT CATEGORY 2 – STORMWATER AND SUPPLEMENTAL WATER RECHARGE**

Mitigation Measure	Implementation Schedule	Verification	Source
<p>Noise <u>Construction</u> NOI-5 If high vibration-generating project construction activities such as well drilling equipment, heavy mobile equipment (greater than 80,000 pounds), or large loaded trucks would be used:</p> <ul style="list-style-type: none"> • Within 25 feet of occupied, sensitive receiver locations in the cities of Claremont, Pomona, La Verne, and Upland; or • Within 50 feet of occupied, sensitive receiver locations in unincorporated County of Los Angeles: <ul style="list-style-type: none"> ○ A focused construction vibration mitigation plan shall be required which evaluates whether project construction vibration levels would exceed the exterior vibration level limit at occupied sensitive receiver locations, specific to that jurisdiction's standards, and the mitigation measures (if any) necessary to satisfy the exterior vibration level limit. <ul style="list-style-type: none"> - Potential mitigation measures to reduce project construction vibration levels include, but are not limited to, the use of alternative equipment, vibration level monitoring, temporary relocation of residents, or a combination of the above. 	<p>MM NOI-5 shall be included in the construction contract as a contract specification.</p> <p>Prior to commencement of construction activities, a focused Construction Vibration Mitigation Plan shall be prepared and submitted to the Implementing Agency for review and approval if either of the two distance criteria identified in the measure are met.</p> <p>The Construction Vibration Mitigation Plan shall be implemented throughout the construction schedule or until such time as the high-vibration activities cease.</p>	<p>A copy of the construction contract including MM NOI-5 shall be placed in the project file.</p> <p>A copy of the approved Construction Vibration Mitigation Plan shall be placed in the project file.</p> <p>Verification of implementation shall be through reporting by the construction contractor to the Implementing Agency.</p> <p>Field notes documenting verification shall be retained in the project file.</p>	<p>Draft PEIR</p>
	Responsible Party	Monitoring Party	Status / Date / Initials
	Project Engineer Construction Contractor	Implementing Agency	

**PROGRAM EIR FOR THE SIX BASINS STRATEGIC PLAN
MITIGATION MONITORING AND REPORTING PROGRAM (MMRP)
PROJECT CATEGORY 2 – STORMWATER AND SUPPLEMENTAL WATER RECHARGE**

Mitigation Measure	Implementation Schedule	Verification	Source
<p>Noise <u>Operation</u> NOI-6 Prior to approval of a project, the following operational noise abatement measures shall be incorporated into the design of new facilities to further reduce the potential operational noise levels received at nearby sensitive receiver locations:</p> <ul style="list-style-type: none"> • New, or existing unenclosed, well pumps shall be enclosed to further reduce operational noise levels at nearby sensitive receiver locations (e.g., residential homes). The location of any louvres or openings in the enclosure assembly would reduce the overall noise reduction of the enclosure, and therefore, shall be oriented away from nearby residential homes, if feasible. In addition, acoustically-rated louvres and materials within the enclosure construction are recommended to further reduce the noise levels at the well pump source. • All trucks transiting on-site in outdoor areas of the project facilities should be operated with properly functioning and well-maintained mufflers. • Maintain quality pavement conditions on the property that are free of vertical deflection (i.e., speed bumps) to minimize truck noise. • Truck access gates and loading areas should have posted signs which state: <ol style="list-style-type: none"> 1. Truck drivers shall turn off engines when not in use; 2. No music or electronically reinforced speech from workers should be audible at noise-sensitive properties. 	<p>MM NOI-6 shall be included in the construction contract as a contract specification.</p> <p>Prior to approval of a project, the Site Plan showing how operational noise abatement measures shall be incorporated into the design of new facilities. The Site Plan shall be reviewed and approved by the Implementing Agency.</p> <p>During long-term operation of a project, if changes to the approved operational noise abatement measures, such changes shall be submitted to the Implementing Agency for review and approval.</p>	<p>A copy of the construction contract including MM NOI-6 shall be placed in the project file.</p> <p>A copy of the approved Site Plan shall be placed in the project file.</p> <p>Verification of implementation during construction shall be through reporting by the construction contractor to the Implementing Agency.</p> <p>Field notes documenting verification shall be retained in the project file.</p> <p>Verification of approved changes to the operation of a facility shall be retained in the project file.</p>	<p>Draft PEIR</p>
	Responsible Party	Monitoring Party	Status / Date / Initials
	Project Engineer Construction Contractor	Three Valley MWD	

**PROGRAM EIR FOR THE SIX BASINS STRATEGIC PLAN
 MITIGATION MONITORING AND REPORTING PROGRAM (MMRP)
 PROJECT CATEGORY 2 – STORMWATER AND SUPPLEMENTAL WATER RECHARGE**

Mitigation Measure	Implementation Schedule	Verification	Source
Population / Housing No mitigation measures			Draft PEIR
	Responsible Party	Monitoring Party	Status / Date / Initials

Mitigation Measure	Implementation Schedule	Verification	Source
Public Services and Recreation <u>Emergency Planning and Traffic Control</u> Refer to mitigation measures TR-1, TR-2, TR-3			Draft PEIR
	Responsible Party	Monitoring Party	Status / Date / Initials
	Project Engineer Construction Contractor	Implementing Agency	

Mitigation Measure	Implementation Schedule	Verification	Source
Public Services and Recreation <u>Wildland Fire</u> Refer to mitigation measures HAZ-5 and HAZ-6			Draft PEIR
	Responsible Party	Monitoring Party	Status / Date / Initials
	Project Engineer Construction Contractor	Implementing Agency	

**PROGRAM EIR FOR THE SIX BASINS STRATEGIC PLAN
MITIGATION MONITORING AND REPORTING PROGRAM (MMRP)
PROJECT CATEGORY 2 – STORMWATER AND SUPPLEMENTAL WATER RECHARGE**

Mitigation Measure	Implementation Schedule	Verification	Source
<p>Transportation</p> <p>TR-1 Prior to initiating construction of proposed facilities, the Watermaster Party proposing a project or the designated construction contractor, shall prepare and implement a Construction Traffic Management Plan that contains comprehensive strategies for maintaining emergency access on public streets. In general, the Construction Traffic Management Plan shall ensure that to the extent practical, construction traffic would access a project site during off-peak hours or limited access during the peak hours; and that construction traffic would be routed to avoid travel through, or proximate to, sensitive land uses. The Plan shall also include, where necessary, the use of flags, signs and lights, as well as flag persons to direct traffic.</p> <p>Where a project includes new pipelines to connect wells to treatment facilities or to connect the Pomona WTP to the new SASG recharge basin, strategies shall include, but are not limited to, maintaining steel trench plates on public streets to restore access across open trenches and identification of alternate routing around construction zones.</p> <p>Police, fire, and other emergency service providers shall be notified of the timing, location, and duration of the construction activities and the location of detours and lane closures. The Watermaster Party proposing a project, or designated construction contractor shall ensure that the Construction Traffic Management Plan and other construction activities are consistent with the Emergency Response Plan of the jurisdiction in which the project is being constructed</p>	<p>MM TR-1 shall be included in the construction contract as a contract specification.</p> <p>Prior to initiating construction of proposed facilities, the Watermaster Party proposing a project or the designated construction contractor, shall prepare and implement a Construction Traffic Management Plan.</p> <p>Watermaster Party proposing a project, or designated construction contractor shall ensure that the Construction Traffic Management Plan and other construction activities are consistent with the Emergency Response Plan of the jurisdiction in which the project is being constructed.</p>	<p>A copy of the construction contract including MM TR-1 shall be retained in the project file.</p> <p>A copy of the Construction Traffic Management Plan shall be placed in the project file.</p> <p>Verification of implementation shall be based on field inspections by the Implementing Agency.</p> <p>Field notes documenting verification shall be retained in the project file.</p>	<p>Draft PEIR</p>
	Responsible Party	Monitoring Party	Status / Date / Initials
	Project Engineer Construction Contractor	Implementing Agency	

**PROGRAM EIR FOR THE SIX BASINS STRATEGIC PLAN
MITIGATION MONITORING AND REPORTING PROGRAM (MMRP)
PROJECT CATEGORY 2 – STORMWATER AND SUPPLEMENTAL WATER RECHARGE**

Mitigation Measure	Implementation Schedule	Verification	Source
<p>Transportation</p> <p>TR-2 As part of the Construction Traffic Management Plan, it shall be stipulated that the delivery and removal of heavy equipment shall be conducted during off- peak hours to minimize the heavy truck activity during the morning and evening peak periods (7 to 9 am and 4 to 6 pm) in order to have nominal impacts to traffic and circulation near the vicinity of a project.</p>	See Implementation Schedule for MM TR-1.	See Verification notes in MM NOI-1.	Draft PEIR
	Responsible Party	Monitoring Party	Status / Date / Initials
	Project Engineer Construction Contractor	Implementing Agency	

Mitigation Measure	Implementation Schedule	Verification	Source
<p>Transportation</p> <p>TR-3 During the site grading, where export of material is required, the construction contractor shall limit export activity between the hours of 7 to 9 am (morning peak period) and 4 to 6 pm (evening peak period) to fewer than the equivalent of 50 passenger car equivalent (PCE) truck trips per hour. 50 PCE truck trips equates to approximately 16 total trucks (8 trucks in and 8 trucks out) during the peak periods specified above in order to limit the potential impacts of haul truck activity during these busy commute times:</p> <p style="margin-left: 40px;"><i>50 PCE truck trips / 3.0 PCE factor = 16 total trucks during the peak hour</i></p>	See Implementation Schedule for MM TR-1.	See Verification notes in MM NOI-1.	Draft PEIR
	Responsible Party	Monitoring Party	Status / Date / Initials
	Project Engineer Construction Contractor	Implementing Agency	

**PROGRAM EIR FOR THE SIX BASINS STRATEGIC PLAN
MITIGATION MONITORING AND REPORTING PROGRAM (MMRP)
PROJECT CATEGORY 2 – STORMWATER AND SUPPLEMENTAL WATER RECHARGE**

Mitigation Measure	Implementation Schedule	Verification	Source
<p>Utilities / Service Systems / Energy</p> <p>USS-1 <u>Implementation of a Drainage Plan to Reduce Downstream Flows.</u> Prior to construction of project facilities, the Watermaster Party proposing a project shall prepare a drainage plan that includes design features to reduce stormwater peak concentration flows exiting the above ground facility sites so that the capacities of the existing downstream drainage facilities are not exceeded. These design features could include bioretention, sand infiltration, return of stormwater for treatment within the treatment plant, and/or detention facilities.</p>	<p>MM USS-1 shall be included in the construction contract as a contract specification.</p> <p>The Drainage Plan shall be completed prior to commencement of ground disturbance and shall show how post-construction site drainage would be controlled.</p>	<p>A copy of the construction contract including MM USS-1 shall be retained in the project file.</p> <p>A copy of the Drainage Plan shall be submitted to the Implementing Agency prior to commencement of ground disturbance for review and approval.</p> <p>A copy of the Drainage Plan shall be kept in the file.</p>	<p style="text-align: center;">Draft PEIR</p>
	Responsible Party	Monitoring Party	Status / Date / Initials
	Project Engineer Construction Contractor	Implementing Agency	

**PROGRAM EIR FOR THE SIX BASINS STRATEGIC PLAN
MITIGATION MONITORING AND REPORTING PROGRAM (MMRP)
PROJECT CATEGORY 2 – STORMWATER AND SUPPLEMENTAL WATER RECHARGE**

Mitigation Measure	Implementation Schedule	Verification	Source
<p>Utilities / Service Systems / Energy</p> <p>USS-2 <u>Implementation of a Construction and Demolition Disposal Plan.</u> Prior to commencement of construction, the contractor shall prepare a Construction and Demolition C&D) disposal plan for review and approval by the local jurisdiction where construction will occur. Per CGBC Section 45.408.1.1, <i>Construction Waste Management Plan</i>, the C&D Disposal Plan shall include the following elements:</p> <ol style="list-style-type: none"> 1. Identifies the construction and demolition waste materials to be diverted from disposal by efficient usage, recycling, reuse on the project or salvage for future use or sale. 2. Determines if construction and demolition waste materials will be sorted on-site (source-separated) or bulk mixed (single stream). 3. Identifies diversion facilities where construction and demolition waste material collected will be taken. 4. Specifies that the amount of construction and demolition waste materials diverted shall be calculated by weight or volume, but not by both. 	<p>MM USS-2 shall be included in the construction contract as a contract specification.</p> <p>The Construction and Demolition Disposal Plan shall be completed prior to commencement of construction and be implemented throughout construction activities.</p>	<p>A copy of the construction contract including MM USS-2 shall be retained in the project file.</p> <p>A copy of the Construction and Demolition Disposal Plan shall be submitted to the Implementing Agency prior to commencement of ground disturbance for review and approval.</p> <p>A copy of the Construction and Demolition Disposal Plan shall be kept in the file.</p>	<p>Draft PEIR</p>
	Responsible Party	Monitoring Party	Status / Date / Initials
	Project Engineer Construction Contractor	Implementing Agency	

**PROGRAM EIR FOR THE SIX BASINS STRATEGIC PLAN
MITIGATION MONITORING AND REPORTING PROGRAM (MMRP)
PROJECT CATEGORY 3 – TEMPORARY SURPLUS PROJECTS**

Mitigation Measure	Implementation Schedule	Verification	Source
<p>Aesthetics <u>Facilities and Landscaping</u></p> <p>AES-1 Proposed facilities, including walls, gates, treatment facilities, etc., shall be designed in accordance with local design standards in order to be complementary to the local area. Landscaping shall be installed and maintained in conformance with local landscaping design guidelines as appropriate to screen views of new facilities from surrounding areas to the extent feasible taking into consideration the needs of the project and except where such compliance is not required by California law.</p>	<p>AES-1 shall be incorporated into individual project design specifications, which shall be included in the construction contract as a contract specification and implemented by the contractor during construction.</p>	<p>A copy of the construction contract including MM AES-1 shall be retained in the project file(s).</p> <p>Verification of implementation shall be based on field inspections by the Implementing Agency.</p> <p>Field notes documenting verification shall be retained in the project file.</p>	<p>Draft Program Environmental Impact Report (Draft PEIR)</p>
	Responsible Party	Monitoring Party	Status / Date / Initials
	<p>Project Engineer/Architect Construction Contractor</p>	<p>Implementing Agency¹</p>	

Mitigation Measure	Implementation Schedule	Verification	Source
<p>Aesthetics <u>Light and Glare</u></p> <p>AES-2 To avoid any light intrusion to surrounding land uses, on project sites where permanent exterior lighting is proposed, lights shall be shielded and directed downward and toward the interior of a site. The maximum light allowed beyond the property boundary adjacent to sensitive light receptors shall be as stipulated in local design guidelines or development code and except where such compliance is not required by California law.</p>	<p>AES-2 shall be incorporated into individual project design specifications, which shall be included in the construction contract as a contract specification and implemented by the contractor during construction.</p>	<p>A copy of the construction contract including MM AES-2 shall be retained in the project file(s).</p> <p>Verification of implementation shall be based on field inspections by the Implementing Agency.</p> <p>Field notes documenting verification shall be retained in the project file.</p>	<p>Draft PEIR</p>
	Responsible Party	Monitoring Party	Status / Date / Initials
	<p>Project Architect Construction Contractor</p>	<p>Implementing Agency</p>	

¹ "Implementing Agency" as used throughout this Mitigation Monitoring and Reporting Program refers to the lead agency implementing a project under the Six Basins Strategic Plan (e.g., Three Valleys Municipal Water District (TVMWD), City of Pomona, City of La Verne, Six Basins Watermaster (Watermaster), or other Watermaster Parties).

**PROGRAM EIR FOR THE SIX BASINS STRATEGIC PLAN
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Mitigation Measure	Implementation Schedule	Verification	Source
<p><i>Aesthetics</i> <u>Light and Glare</u> AES-3 Development of Strategic Plan projects shall comply with existing or future lighting ordinances, and except where such compliance is not required by California law.</p>	<p>AES-3 shall be incorporated into individual project design specifications, which shall be included in the construction contract as a contract specification and implemented by the contractor during construction.</p>	<p>A copy of the construction contract including MM AES-3 shall be retained in the project file(s).</p> <p>Verification of implementation shall be based on field inspections by the Implementing Agency.</p> <p>Field notes documenting verification shall be retained in the project file.</p>	<p>Draft PEIR</p>
	Responsible Party	Monitoring Party	Status / Date / Initials
	<p>Project Architect Construction Contractor</p>	<p>Implementing Agency</p>	

Mitigation Measure	Implementation Schedule	Verification	Source
<p><i>Aesthetics</i> <u>Light and Glare</u> AES-4 Any new structures that may require large facades shall not be constructed using highly reflective building materials.</p>	<p>AES-4 shall be incorporated into individual project design specifications, which shall be included in the construction contract as a contract specification and implemented by the contractor during construction.</p>	<p>A copy of the construction contract including MM AES-4 shall be retained in the project file(s).</p> <p>Verification of implementation shall be based on field inspections by the Implementing Agency.</p> <p>Field notes documenting verification shall be retained in the project file.</p>	<p>Draft PEIR</p>
	Responsible Party	Monitoring Party	Status / Date / Initials
	<p>Project Architect Construction Contractor</p>	<p>Implementing Agency</p>	

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Mitigation Measure	Implementation Schedule	Verification	Source
Agriculture and Forestry Resources – No mitigation measures			Draft PEIR
	Responsible Party	Monitoring Party	Status / Date / Initials

Mitigation Measure	Implementation Schedule	Verification	Source
Air Quality / Greenhouse Gas Emissions / Global Climate Change AQ-1 Construction contractors at each project site shall adhere to applicable measures contained in Table 1 of Rule 403 including, but not limited to: <ul style="list-style-type: none"> • All clearing, grading, earth-moving, or excavation activities shall cease when winds exceed 25 mph per SCAQMD guidelines in order to limit fugitive dust emissions. • The contractor shall ensure that all disturbed unpaved roads and disturbed areas within the Project are watered at least three (3) times daily during dry weather. Watering, with complete coverage of disturbed areas, shall occur at least three times a day, preferably in the mid-morning, afternoon, and after work is done for the day. • The contractor shall ensure that traffic speeds on unpaved roads and Project site areas are limited to 15 miles per hour or less. 	MM AQ-1 shall be implemented during construction of future facilities at existing sites identified in Project Category 3 and shall be included in the construction contract as a contract specification.	A copy of the construction contract including MM-AQ-1 shall be retained in the project file. Verification of implementation shall be based on field inspections by the Implementing Agency. Field notes from inspections shall be retained in the project file.	Draft PEIR
	Responsible Party	Monitoring Party	Status / Date / Initials
	Construction Contractor	Implementing Agency	

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Mitigation Measure	Implementation Schedule	Verification	Source
<p><i>Air Quality / Greenhouse Gas Emissions / Global Climate Change</i></p> <p>AQ-2 Regarding emissions of NOx and VOC, when using construction equipment greater than 150 horsepower (>150 HP), the Construction Contractor shall ensure that off-road diesel construction equipment complies with EPA/CARB Tier 4 emissions standards or equivalent and shall ensure that all construction equipment is tuned and maintained in accordance with the manufacturer's specifications.</p>	<p>MM AQ-2 shall be implemented during construction of future facilities at existing sites identified in Project Category 3 and shall be included in the construction contract as a contract specification.</p>	<p>A copy of the construction contract including MM-AQ-2 shall be retained in the project file.</p> <p>Verification of implementation shall be based on field inspections by the Implementing Agency.</p> <p>Field notes from inspections shall be retained in the project file.</p>	<p>Draft PEIR</p>
	Responsible Party	Monitoring Party	Status / Date / Initials
	Construction Contractor	Implementing Agency	

Mitigation Measure	Implementation Schedule	Verification	Source
<p><i>Air Quality / Greenhouse Gas Emissions / Global Climate Change</i></p> <p>AQ-3 SCAQMD Rule 403-Table 1 (see attached) lists a number of Best Available Control Technologies (BACT) that may apply to the construction of Strategic Plan projects. On a project-by-project basis, SCAQMD Rule 403 Table 1 shall be reviewed and appropriate measures incorporated into a project specific monitoring program.</p>	<p>MM AQ-3 shall be implemented during construction of future facilities at existing sites identified in Project Category 3 and shall be included in the construction contract as a contract specification.</p>	<p>A copy of the construction contract including MM-AQ-3 shall be retained in the project file.</p> <p>Verification of implementation shall be based on field inspections by the Implementing Agency.</p> <p>Field notes from inspections shall be retained in the project file.</p>	<p>Draft PEIR</p>
	Responsible Party	Monitoring Party	Status / Date / Initials
	Construction Contractor	Implementing Agency	

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Mitigation Measure	Implementation Schedule	Verification	Source
<p>Biological Resources</p> <p>BIO-1a <i>Tree Removal.</i> Prior to the trimming or removal of a tree at any project site, the Watermaster Party proposing the project will coordinate with the local agency to determine if the particular trees targeted for trimming or removal are heritage trees regulated by local agency. If the targeted tree is a heritage under the City or County Regulations, the appropriated application will be submitted and approved by the local agency prior to conducting the trimming or removal of the heritage tree(s), except where compliance is not required by California law.</p>	<p>If tree removal or trimming is identified, MM BIO-1 shall be incorporated into individual project design specifications, which shall be included in the construction contract as a contract specification and implemented by the contractor during construction.</p>	<p>A copy of the construction contract including MM BIO-1 shall be retained in the project file(s).</p> <p>Verification of implementation shall be based on field inspections by the Implementing Agency.</p> <p>Field notes documenting verification shall be retained in the project file.</p>	<p style="text-align: center;">Draft PEIR</p>
	Responsible Party	Monitoring Party	Status / Date / Initials
	Project Engineer	Implementing Agency	

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<p>Biological Resources</p> <p>BIO-1b <i>Removal of Native Trees.</i> Prior to commencement of ground disturbing activities where native trees may require trimming or removal), and to address the potential spread of invasive pests and diseases by implementing the following:</p> <ol style="list-style-type: none"> 1) Prior to tree trimming or removal, a certified arborist shall evaluate trees for infectious tree diseases including but not limited to: sudden oak death (<i>Phytophthora ramorum</i>), thousand canker fungus (<i>Geosmithia morbida</i>), polyphagous shot hole borer (<i>Euwallacea</i> spp.), and goldspotted oak borer (<i>Agrilus auroguttatus</i>) (TCD 2021; UCANR 2021; Phytosphere Research 2012; UCIPM 2013). 2) If a certified arborist determines trees are impacted by infectious pests or diseases, the certified arborist shall prepare an <i>Infectious Tree Disease Management Plan</i> or develop a detailed, robust, enforceable, and feasible list of preventative measures. A plan/list shall provide measures relevant for each tree pest or disease observed. To avoid the spread of infectious tree pests and diseases, infected trees should not be transported from a project area without first being treated using best available management practices described in the <i>Infectious Tree Disease Management Plan</i> or list of preventative measures. 3) If possible, all tree material, especially infected tree material, shall be left on site. The material could be chipped for use as ground cover or mulch. Pruning and power tools should be cleaned and disinfected before use to prevent introducing pathogens from known infested areas, and after use to prevent spread of pathogens to new areas. 	<p>MM BIO-1b shall be included in the construction contract as a contract specification.</p> <p>Prior to tree trimming or removal, a certified arborist shall evaluate trees for infectious tree diseases.</p> <p>If a certified arborist determines trees are impacted by infectious pests or diseases, the certified arborist shall prepare an <i>Infectious Tree Disease Management Plan</i> or develop a detailed, robust, enforceable, and feasible list of preventative measures.</p> <p>If possible, all tree material, especially infected tree material, shall be left on site. The material could be chipped for use as ground cover or mulch. Pruning and power tools should be cleaned and disinfected before use to prevent introducing pathogens from known infested areas, and after use to prevent spread of pathogens to new areas.</p>	<p>A copy of the construction contract including MM BIO-1 shall be retained in the project file(s).</p> <p>Verification of implementation shall be based on field inspections by the Implementing Agency.</p> <p>Field notes documenting verification shall be retained in the project file.</p>	<p>Draft PEIR</p>
	Responsible Party	Monitoring Party	Status / Date / Initials
	Project Engineer	Implementing Agency	

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Mitigation Measure	Implementation Schedule	Verification	Source
<p>Biological Resources</p> <p>BIO-2 <i>Nesting Birds.</i> Removal of any trees, shrubs, or any other potential nesting habitat shall be conducted outside the avian nesting season, as verified by a qualified Avian Biologist. The nesting season generally extends from February 1 through August 31, but it can vary slightly from year to year based on seasonal weather conditions. If ground disturbance and vegetation removal cannot occur outside of the qualified Avian Biologist’s-verified nesting season, a pre-construction clearance survey for nesting birds shall be conducted within 30 days of the start of any construction. If no active nests are found, no further action would be required. If an active nest is found, the biologist shall set appropriate no-work buffers around the nest, which would be determined based on the nesting species, its sensitivity to disturbance, nesting stage and expected types, intensity and duration of disturbance. The nests and buffer zones shall be field checked weekly by a qualified biological monitor. The approved no-work buffer zone shall be clearly marked in the field, within which no disturbance activity shall commence until the qualified biologist has determined the young birds have successfully fledged and the nest is inactive.</p>	<p>MM BIO-2 shall be included in the construction contract as a contract specification.</p> <p>The preconstruction survey(s) shall be conducted prior to commencement of site disturbing activities.</p> <p>If an active bird nest is located, a qualified biologist shall prepare and implement a monitoring program to monitor the buffer area weekly where no construction activities shall occur until such time as the project biologist determines fledglings have left the nest.</p>	<p>A copy of the construction contract including MM BIO-2 shall be retained in the project file(s).</p> <p>A copy of the survey(s) shall be placed in the project file (if applicable).</p> <p>Verification of implementation shall be based on field notes provided by the biological monitor to the Implementing Agency.</p> <p>Field notes shall be retained in the project file.</p>	<p>Draft PEIR</p>
	Responsible Party	Monitoring Party	Status / Date / Initials
	<p>Project Engineer Project Biologist</p>	<p>Implementing Agency</p>	

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Mitigation Measure	Implementation Schedule	Verification	Source
<p>Biological Resources</p> <p>BIO-3 <i>Additional Biological Resources Assessments.</i> Prior to the approval of future projects on sites not identified in this EIR and occurring within an undeveloped area, or sites within the SASG or TCSG where new recharge basins and related infrastructure are proposed, a biological assessment shall be made of the selected or potential sites to determine if sensitive biological resources (sensitive plant community, sensitive species, jurisdiction waters) are present. If a sensitive biological resource is present, an analysis will be made of the potential for impact to the resource, an appropriate mitigation strategy will be developed and submitted to the wildlife and regulatory agencies with authority to review and approve the mitigation strategy as reducing impacts to less than significant. Either appropriate avoidance and or minimization measures will be developed to offset any potential impact or offsite mitigation shall be provided to offset the impact. Where a species is State-listed, CDFW would require full mitigation under an Incidental Take Permit. At a minimum, the mitigation strategy shall (1) identify the affected SSC; (2) identify strategies for handling and relocation of individuals per CDFW guidance, and (3) identify compensatory mitigation for temporary or permanent loss of habitat that supports SSC (ratio to be determined in consultation with CDFW) and/or through acquisition of an Incidental Take Permit if a state listed or candidate species is determined to be present.</p>	<p>The Biological Resources Assessment shall be completed prior to commencement of any ground disturbing activities.</p> <p>Consultation with regulatory agencies (e.g., CDFW, ACOE) shall be completed prior to commencement of any ground disturbing activities.</p>	<p>A copy of the construction contract including MM BIO-2 shall be retained in the project file(s).</p> <p>MM BIO-3 shall be completed prior to approval of a project.</p> <p>If consultation with CDFW is required, the 2081 permit or Streambed Alteration agreement shall be provided to the construction contractor for implementation of measures required by the permit or agreement.</p>	<p style="text-align: center;">Draft PEIR</p>
	Responsible Party	Monitoring Party	Status / Date / Initials
	Project Engineer	Implementing Agency	

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Mitigation Measure	Implementation Schedule	Verification	Source
<p>Biological Resources</p> <p>BIO-4 <i>Wetland Permits or Streambed Alteration Agreement.</i> Prior to approval of a project where permanent impacts in areas determined to be potential jurisdictional wetlands or riparian features, Waters of the State or Waters of the U.S., the Watermaster Party undertaking a project shall consult with the regulatory agencies (USACE, RWQCB and CDFW) to determine if a CWA 404 permit, CWA 401 or a Streambed Alteration Agreement under Fish and Game Code 1602 are required prior to development. Based on a notification pursuant to Fish and Game Code section 1602 and other information, CDFW will determine whether a Lake and Streambed Alteration (LSA) Agreement is required prior to conducting proposed activities. An LSA Notification shall include the following: 1) an analysis to demonstrate that concrete-lined or soft-bottom channels would not be impaired (e.g., aggraded, incised, increased suspended sediment), 2) a hydrological evaluation of the 100, 50, 25, 10, 5, and 2-year frequency storm event for existing and proposed conditions, 3) whether dewatering/diversion of water may be necessary, and (if applicable) 4), an analysis of whether diversion structures would impact stormwater and dry season water flow, and the extent of those impacts, during the wet season (November through March), dry season (April through October), and both above-average and below-average water year.</p> <p>a) On- or offsite replacement of USACE / RWQCB jurisdictional waters of the U.S. and/or waters of the State at a ratio no less than 1:1 for permanent impacts and to restore the site to pre-project conditions for temporary impacts. Offsite replacement may include the purchase of mitigation credits at an agency-approved offsite mitigation bank or in-lieu fee program.</p>	<p>MM BIO-4 shall be included in the construction contract as a contract specification.</p> <p>Consultation with regulatory agencies ((USACE, RWQCB and CDFW) shall be completed prior to approval of the recharge project proposed to be undertaken.</p> <p>Replacement habitat or the purchase of mitigation credits in an existing mitigation bank shall be determined as part of the consultation.</p> <p>Timing of the development of replacement habitat on-site shall be determined during consultation.</p>	<p>A copy of the construction contract including MM BIO-2 shall be retained in the project file(s).</p> <p>MM BIO-3 shall be completed prior to approval of a project.</p> <p>If consultation with CDFW is required, the 2081 permit or Streambed Alteration agreement shall be provided to the construction contractor for implementation of measures required by the permit or agreement.</p>	<p style="text-align: center;">Draft PEIR</p>

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Mitigation Measure	Implementation Schedule	Verification	Source
b) On- or offsite replacement of CDFW jurisdictional streambed and associated riparian habitat shall occur at a ratio no less than 2:1 for permanent impacts and to restore the site to pre-project conditions for temporary impacts. Offsite replacement may include the purchase of mitigation credits at an agency-approved offsite mitigation bank or in-lieu fee program.			
	Responsible Party	Monitoring Party	Status / Date / Initials
	Project Engineer	Implementing Agency	

Mitigation Measure	Implementation Schedule	Verification	Source
<p>Cultural Resources / Tribal Cultural Resources</p> <p>CUL-1 Prior to approval of a project identified under Project Categories 1 through 3, the Watermaster Party proposing the project shall retain a qualified archaeologist, defined as an archaeologist meeting the Secretary of the Interior's Standards for professional archaeology to conduct an assessment of the project site and vicinity for all project elements that involve ground disturbance. The archaeologist shall conduct cultural resources assessment consisting of: (1) a cultural resources records search to be conducted at the South Central Coastal Information Center located at California State University Fullerton; (2) consultation with the Native American Heritage Commission (NAHC) and with interested Native American tribes identified by NAHC; (3) a field survey by the archaeologist; and (4) recordation of all identified archaeological resources located on a project site on California Department of Parks and Recreation 523 Site Record forms. The archaeologist shall provide recommendations regarding resource significance and additional work for those resources that may be affected by a project.</p>	<p>MM CUL-1 shall be included in the construction contract as a contract specification.</p> <p>The Cultural Resources Assessment (CRA) (if required) shall be completed prior to approval of a project by the Implementing Agency.</p> <p>Should the CRA determine that resources may be uncovered during construction, an Archaeological monitor shall prepare and implement a monitoring program.</p> <p>The Implementing Agency shall be notified within 24-hours of any accidental exposure of subsurface cultural resources.</p> <p>After a determination is made and the significance of the find determined, the management recommendations shall be implemented and documented.</p>	<p>A copy of the construction contract including MM CUL-1 shall be retained in the project file(s).</p> <p>A copy of the Cultural Resources Assessment and Monitoring Program (if applicable) shall be placed in the project file.</p> <p>A copy of the construction contract shall be retained in the project file.</p> <p>A final report of findings shall be submitted to the Implementing Agency for retention.</p> <p>Field notes from Archaeological monitor shall be retained in the project file.</p>	Draft PEIR

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Responsible Party	Monitoring Party	Status / Date / Initials
Project Engineer Project Archaeologist	Implementing Agency	

Mitigation Measure	Implementation Schedule	Verification	Source			
<p><i>Cultural Resources / Tribal Cultural Resources</i></p> <p>CUL-2 Prior to ground disturbance activities at a project site that contain structures 45 years old or older, affected structure(s) shall be subject to a historic built environment survey, and potentially historic structures shall be evaluated for their potential historic significance, prior to a Watermaster Party's finalization of design/site plans. The survey shall be carried out by a qualified historian or architectural historian meeting the Secretary of the Interior's Standards for Architectural History. If potentially significant resources are encountered during the survey, a treatment plan shall be prepared prior to demolition or substantial alteration of such resources identified.</p>	<p>MM CUL-2 shall be included in the construction contract as a contract specification.</p> <p>Prior to demolition or substantial alteration of a potential historic building, a qualified architectural historian shall conduct a Historic Built Environment Survey. If a resource is identified, a treatment plan shall be prepared.</p>	<p>A copy of the construction contract including MM CUL-2 shall be retained in the project file.</p> <p>A copy of the Historic Built Environment Survey Cultural Resources Assessment and Monitoring Program (if applicable) shall be placed in the project file.</p>	<p>Draft PEIR</p>			
				Responsible Party	Monitoring Party	Status / Date / Initials
				Project Engineer Architectural Historian	Implementing Agency	

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Mitigation Measure	Implementation Schedule	Verification	Source
<p><i>Cultural Resources / Tribal Cultural Resources</i></p> <p>CUL-3 In the event that human remains are uncovered at a project site, there shall be no further excavation or disturbance of the site or any nearby area reasonably suspected to overlie adjacent human remains until:</p> <ul style="list-style-type: none"> • The coroner of the county in which the remains are discovered must be contacted to determine whether an investigation of the cause of death is required, and • If the coroner determines the remains to be Native American: <ul style="list-style-type: none"> ○ The coroner shall contact the Native American Heritage Commission within 24 hours. 	<p>MM CUL-3 shall be included in the construction contract as a contract specification.</p> <p>During ground disturbing activities and in the event that human remains are uncovered at a project site the coroner shall be called to determine whether an investigation is required</p> <p>Disposition of any remains identified as Native American shall be determined through consultation with the MLD.</p>	<p>A copy of the construction contract including MM CUL-3 shall be retained in the project file.</p> <p>Excavation or disturbance shall cease and the coroner of the county in which the remains are discovered must be contacted.</p> <p>If the remains are Native American, disposition of the remains shall be by agreement between the coroner and the most likely descendent.</p>	<p style="text-align: center;">Draft PEIR</p>

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Mitigation Measure	Implementation Schedule	Verification	Source
<p>Cultural Resources / Tribal Cultural Resources CUL-3 (cont.)</p> <ul style="list-style-type: none"> ○ The Native American Heritage Commission shall identify the person or persons it believes to be the most likely descended from the deceased Native American. ○ The most likely descendent (MLD) may make recommendations to the landowner or the person responsible for the excavation work, for means of treating or disposing of, with appropriate dignity, the human remains and any associated grave goods as provided in Public Resources Code Section 5097.98. • Where the following conditions occur, the landowner or his authorized representative shall rebury the Native American human remains and associated grave goods with appropriate dignity on the property in a location not subject to further subsurface disturbance: <ul style="list-style-type: none"> ○ The Native American Heritage Commission is unable to identify a most likely descendent or the most likely descendent failed to make a recommendation within 24 hours after being notified by the commission. ○ The descendant identified fails to make a recommendation; or ○ The landowner or his authorized representative rejects the recommendation of the descendant, and the mediation by the Native American Heritage Commission fails to provide measures acceptable to the landowner. 			
	Responsible Party	Monitoring Party	Status / Date / Initials
	Project Engineer Construction Contractor	Implementing Agency	

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Mitigation Measure	Implementation Schedule	Verification	Source	
<p>Cultural Resources / Tribal Cultural Resources</p> <p>CUL-4 Prior to approval of a project, the lead agency with authority to approve the project. shall conduct AB 52 consultation with Native American tribes based on a list provided by the NAHC. If the lead agency determines that a project may cause a substantial adverse change to a tribal cultural resource, identified through project-specific AB 52 consultation, and measures are not otherwise identified in the consultation process required under PRC Section 21080.3.2, the Watermaster Party undertaking the project shall implement the following measures where feasible and necessary to address site specific impacts to avoid or minimize the significant adverse impacts:</p> <ul style="list-style-type: none"> • Avoidance and preservation of the resources in place, including, but not limited to: planning and construction to avoid the resources and protect the cultural and natural context, or planning greenspace, parks, or other open space, to incorporate the resources with culturally appropriate protection and management criteria. • Treating the resource with culturally appropriate dignity taking into account the tribal cultural values and meaning of the resource, including, but not limited to, the following: <ul style="list-style-type: none"> ○ Protecting the cultural character and integrity of the resource; ○ Protecting the traditional use of the resource; or ○ Protecting the confidentiality of the resource • Permanent conservation easements or other interests in real property, with culturally appropriate management criteria for the purposes of preserving or utilizing the resources or places. • Protecting the resource. 	<p>Prior to approval of a project, the Implementing Agency with authority to approve the project. shall conduct AB 52 consultation with Native American tribes based on a list provided by the NAHC.</p> <p>See MM CUL-1 for requirements for the preparation of a Cultural Resources Assessment.</p> <p>If Cultural Resources are uncovered, further consultation with NAHC and the Native American tribe consulting on the project shall be undertaken to determine how to avoid or minimize impacts including avoidance/ preservation in place and a permanent conservation easement.</p> <p>Site specific impacts to Cultural Resources shall be addressed prior to returning to the area where the resources were uncovered to continue construction.</p>	<p>A copy of the construction contract including MM CUL-4 shall be retained in the project file.</p> <p>A copy of the construction contract shall be retained in the project file.</p> <p>Excavation or disturbance of cultural resources shall cease until the Project Archaeologist determines the significance of the find.</p> <p>A final report of findings shall be submitted to the City for retention.</p> <p>Field notes from Archaeologist shall be retained in the project file.</p>	<p>Draft PEIR</p>	
	Responsible Party	Monitoring Party	Status / Date / Initials	
	Project Engineer	Implementing Agency		

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Mitigation Measure	Implementation Schedule	Verification	Source
Environmental Justice Refer to mitigation measures AQ-1 and AQ-2			Draft PEIR
	Responsible Party	Monitoring Party	Status / Date / Initials
	Construction Contractor	Implementing Agency	

Mitigation Measure	Implementation Schedule	Verification	Source
Environmental Justice <u>Hazards / Emissions</u> Refer to mitigation measure HAZ-1			Draft PEIR
	Responsible Party	Monitoring Party	Status / Date / Initials
	Construction Contractor	Implementing Agency	

Mitigation Measure	Implementation Schedule	Verification	Source
Environmental Justice <u>Construction Traffic Management Plan</u> Refer to mitigation measures TR-1, TR-2 and TR-3			Draft PEIR
	Responsible Party	Monitoring Party	Status / Date / Initials
	Project Engineer Construction Contractor	Implementing Agency	

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Mitigation Measure	Implementation Schedule	Verification	Source
<p>Geology / Soils / Paleontological Resources / Mineral Resources <u>Geology and Soils</u> GEO-1 Should a project in any of the categories of projects be located within a designated Alquist-Priolo Fault Zone, the project proponent shall consider relocating the project to another site. If that is not feasible, then the project shall be designed in accordance with the most current version of the CBC and subject to a project specific Geotechnical Investigation.</p>	<p>The design level geotechnical investigation shall be completed prior to completion of facility design. The measures identified in the geotechnical investigation shall be incorporated into individual project design specifications.</p> <p>Site specific design criteria shall be included in the construction contract as contract specifications.</p>	<p>A copy of the geotechnical investigation shall be retained in the project file(s).</p> <p>A copy of the construction contract including this geology/soils mitigation measure shall be retained in the project file(s).</p> <p>Verification of implementation shall be based on field inspections by the Implementing Agency.</p> <p>Field notes documenting verification shall be retained in the project file.</p>	<p style="text-align: center;">Draft PEIR</p>
	Responsible Party	Monitoring Party	Status / Date / Initials
	Project Engineer Construction Contractor	Implementing Agency	

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Mitigation Measure	Implementation Schedule	Verification	Source
<p>Geology / Soils / Paleontological Resources / Mineral Resources <u>Geology and Soils</u> GEO-2 Prior to approval of a project, a design-level geotechnical investigation shall be completed by the Watermaster Party proposing the project. The investigation shall identify all potential seismic hazards including fault rupture, and characterize the soil profiles, including liquefaction potential, expansive soil potential, and potential for subsidence to occur. The geotechnical investigation shall recommend site-specific design criteria to mitigate for seismic and non-seismic hazards, such as special foundations and structural setbacks, and these recommendations shall be incorporated into the design of individual projects.</p>	<p>The design level geotechnical investigation shall be completed prior to completion of facility design.</p> <p>The measures identified in the geotechnical investigation shall be incorporated into individual project design specifications.</p> <p>Site specific design criteria shall be included in the construction contract as contract specifications.</p>	<p>A copy of the geotechnical investigation shall be retained in the project file(s).</p> <p>A copy of the construction contract including this geology/soils mitigation measure shall be retained in the project file(s).</p> <p>Verification of implementation shall be based on field inspections by the Implementing Agency.</p> <p>Field notes documenting verification shall be retained in the project file.</p>	<p>Draft PEIR</p>
	Responsible Party	Monitoring Party	Status / Date / Initials
	<p>Project Engineer Project Geologist Construction Contractor</p>	<p>Implementing Agency</p>	

**PROGRAM EIR FOR THE SIX BASINS STRATEGIC PLAN
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PROJECT CATEGORY 3 – TEMPORARY SURPLUS PROJECTS**

Mitigation Measure	Implementation Schedule	Verification	Source			
<p>Geology / Soils / Paleontological Resources / Mineral Resources</p> <p><u>Paleontological Resources</u></p> <p>GEO-3 For project-level development involving ground disturbance, prior to commencement of ground disturbance a qualified paleontologist shall be retained to determine the necessity of conducting a study of the project area(s) based on the potential sensitivity of the project site for paleontological resources. If deemed necessary, the paleontologist shall conduct a paleontological resources inventory designed to identify potentially significant resources. The paleontological resources inventory would consist of: a paleontological resource records search to be conducted at the San Bernardino County Museum and/or other appropriate facilities; a field survey or monitoring where deemed appropriate by the paleontologist; and recordation of all identified paleontological resources.</p>	<p>MM GEOL-3 shall be included in the construction contract as a contract specification.</p> <p>Prior to commencement of ground disturbance, a qualified paleontologist shall be retained to determine the necessity of conducting a study of the project area(s) based on the potential sensitivity of the project site for paleontological resources.</p> <p>If required, prior to commencement of ground disturbing activities, a qualified paleontologist shall conduct a paleontological resources inventory of a project site.</p>	<p>A copy of the construction contract including MM GEO-3 shall be retained in the project file.</p> <p>A copy of the paleontological resources inventory (if prepared) shall be placed in the project file.</p> <p>If a monitor is required, field notes from the Paleontological monitor shall be retained in the project file.</p>	<p>Draft PEIR</p>			
				Responsible Party	Monitoring Party	Status / Date / Initials
				<p>Project Engineer Project Paleontologist</p>	<p>Three Valley MWD</p>	

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Mitigation Measure	Implementation Schedule	Verification	Source
<p><i>Hazards and Hazardous Materials / Airport Safety / Wildfire Hazards</i> <i>Hazards / Emissions</i> HAZ-1 <u>Permits</u>. Prior to installation of new or relocated equipment, or prior to modification of any existing equipment, the Watermaster Party responsible proposing the project where treatment facilities are located, or a diesel operated back-up generator is proposed, shall obtain a Permit to Construct from SCAQMD. Once a piece of equipment is installed, modified and/or operated, SCAQMD will process the application for a Permit to Operate.</p>	<p>MM HAZ-1 shall be included in the construction contract as a contract specification.</p> <p>Prior to installation of new or relocated equipment, or prior to modification of any existing equipment, obtain a Permit to Construct and Permit to Operate from SCAQMD.</p>	<p>A copy of the construction contract including MM HAZ-1 shall be retained in the project file.</p> <p>A copy of the SCAQMD permits shall be placed in the project file.</p>	<p style="text-align: center;">Draft PEIR</p>
	Responsible Party	Monitoring Party	Status / Date / Initials
	Project Engineer Construction Contractor	Implementing Agency	

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Mitigation Measure	Implementation Schedule	Verification	Source
<p><i>Hazards and Hazardous Materials / Airport Safety / Wildfire Hazards</i> <u>Contamination</u> HAZ-3 Prior to the commencement of any construction that would require ground-disturbing activities, a project proponent shall undertake a Phase I Environmental Site Assessments (ESA) to determine the presence/absence of soil and/or groundwater contamination at or in the vicinity of a project site. Recommendations identified in the ESA shall be implemented to the satisfaction of applicable agencies prior to and during construction. If the Phase I ESA finds the potential for hazardous concentrations of contaminated soil or groundwater to occur within the project site, a Phase II ESA shall be completed before construction begins.</p> <p>If the Phase II ESA determines that the site has contaminated soil and/or groundwater, a Soil and Groundwater Management Plan that specifies the method for handling and disposing of contaminated soil and groundwater prior to demolition, excavation, and construction activities shall be prepared and implemented. A Phase II ESA shall include soil and/or groundwater sampling and analysis for anticipated contaminants. Such sampling is intended to identify how contaminated soil and/or groundwater shall be disposed of, and to determine if construction workers would need special personal protective gear and/or equipment.</p>	<p>Prior to the commencement of any construction that would require ground-disturbing activities.</p> <p>If the Phase I ESA finds the potential for hazardous concentrations of contaminated soil or groundwater to occur within the project site, a Phase II ESA shall be completed before construction begins.</p> <p>If the Phase II ESA determines that the site has contaminated soil and/or groundwater, a Soil and Groundwater Management Plan shall be prepared and implemented before construction begins.</p>	<p>A copy of the construction contract including MM HAZ-3 shall be retained in the project file.</p> <p>A copy of the Phase I ESA shall be retained in the project file.</p> <p>A copy of the Phase II ESA shall be retained in the project file.</p> <p>Verification of implementation shall be based on field inspections by the Implementing Agency.</p> <p>Field notes documenting verification shall be retained in the project file.</p>	<p>Draft PEIR</p>
	Responsible Party	Monitoring Party	Status / Date / Initials
	Project Engineer Construction Contractor	Implementing Agency	

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Mitigation Measure	Implementation Schedule	Verification	Source
<p><i>Hazards and Hazardous Materials / Airport Safety / Wildfire Hazards</i></p> <p><u>Airport Safety</u></p> <p>HAZ-4 For future projects that may be developed on sites within an airport safety zone, the Watermaster Party responsible for project development shall comply with the guidelines of the appropriate Airport Land Use Compatibility Plan (ALUCP). Project design plans for sites within an ALUCP shall be submitted to the appropriate Airport Management agencies for review and comment prior to implementation.</p>	<p>Prior to approval of a project on a site within an ALUCP the Watermaster Party shall submit project design plans to the appropriate Airport Management Agency</p> <p>Airport Management Agency shall sign off on the project design plans prior to approval of the project by the Implementing Agency.</p>	<p>Watermaster Party project engineer or architect shall provide a letter from the Airport Management Agency showing that the project complies with the ALUC Guidelines for new structures within the boundary of an ALUCP.</p>	<p style="text-align: center;">Draft PEIR</p>
	Responsible Party	Monitoring Party	Status / Date / Initials
	Project Engineer/Architect	Implementing Agency	

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Mitigation Measure	Implementation Schedule	Verification	Source
<p><u>Wildland Fire</u> HAZ-5 Prior to approval of new facilities (recharge basins, new production wells, pipeline interconnects and related facilities) that would be located in areas designated as Fire Hazard Severity Zones by CAL FIRE, a site-specific Fire Management Plan shall be developed that identifies fire hazard reduction measures to be implemented during construction. These measures shall address all staging areas, welding areas, or areas slated for development that are planned to use spark-producing equipment. These areas shall be cleared of dried vegetation or other material that could ignite. Any construction equipment that includes a spark arrestor shall be equipped with a spark arrestor in good working order. During the construction of the project facilities, all vehicles and crews working at the project site to have access to functional fire extinguishers at all times. In addition, construction crews shall have a spotter during welding activities to look out for potentially dangerous situations, including accidental sparks.</p> <p>A Fire Management Plan shall also be implemented at those sites where maintenance activities may be similar to construction activities.</p>	<p>Prior to approval of new facilities that would be located in areas designated as Fire Hazard Severity Zones by CAL FIRE.</p> <p>The Fire Management Plan shall be implemented during all stages of construction.</p>	<p>A copy of the construction contract including MM HAZ-5 shall be retained in the project file.</p> <p>A copy of the Fire Management Plan shall be placed in the project file.</p> <p>Verification of implementation shall be based on field inspections by the Implementing Agency.</p> <p>Field notes documenting verification shall be retained in the project file.</p>	<p style="text-align: center;">Draft PEIR</p>
	Responsible Party	Monitoring Party	Status / Date / Initials
	Project Engineer Construction Contractor	Implementing Agency	

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Mitigation Measure	Implementation Schedule	Verification	Source
<u>Wildland Fire</u> HAZ-6 Prior to commencement of maintenance activities during long term operation of facilities located in Fire Hazard Severity Zones, the Watermaster Party conducting operations/maintenance (e.g., spreading ground desilting and vegetation removal, maintenance of well sites, etc.) shall ensure that a Fire Management Plan shall be included in the maintenance plans for each facility.	Prior to commencement of maintenance activities that would be similar to construction activities, the Fire Management Plan shall be modified (if necessary) and implemented during maintenance activities that would be similar to construction activities (e.g., vegetation removal, basin desilting)	A copy of the construction contract including MM HAZ-6 shall be retained in the project file. A copy of the Fire Management Plan shall be placed in the project file. Verification of implementation shall be based on field inspections by the Implementing Agency. Field notes documenting verification shall be retained in the project file.	Draft PEIR
	Responsible Party	Monitoring Party	Status / Date / Initials
	Project Engineer Construction Contractor	Implementing Agency	

Mitigation Measure	Implementation Schedule	Verification	Source
<u>Hydrology / Water Quality</u> HWQ-1 <u>Groundwater Production</u> . To avoid potential impacts associated with the loss of groundwater that may migrate out of the Pomona Basin or UCHB during periods of high groundwater levels, prior to commencement of improvements to existing groundwater production wells, or the development of new production wells in the Pomona Basin and UCHB, Watermaster staff shall conduct groundwater modeling in areas where high groundwater is known to occur in the area along the San Jose fault.	Prior to commencement of improvements to existing groundwater production wells, or the development of new production wells in the Pomona Basin and UCHB conduct groundwater modeling.	Results of groundwater modeling shall be presented to the Six Basins Watermaster Board for review.	Draft PEIR
	Responsible Party	Monitoring Party	Status / Date / Initials
	Watermaster Staff	Watermaster Staff	

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Mitigation Measure	Implementation Schedule	Verification	Source
<p>Hydrology / Water Quality</p> <p>HWQ-2 <u>Implementation of a SWPPP and the Use of BMPs During Construction.</u> Prior to commencement of any ground disturbing activities on a project site, the Watermaster Party proposing the project or construction contractor shall prepare a SWPPP (area of disturbance one acre or greater) and submit a Notice of Intent to the State Water Resources Control Board. Implementation of BMPs as outlined in the SWPPP shall be on-going during construction activities. A copy of the SWPPP and the Waste Discharge Identification (WDID) number, shall be kept at the construction site and available for review by inspectors until construction is completed. For sites where the area of disturbance would be less than one acre, the project proponent or construction contractor is still responsible for maintaining the site and must provide the local jurisdiction in which construction activities will take place, with a list of BMPs and a schedule for completion of such activities, prior to commencement of construction activities.</p>	<p>MM HWQ-2 shall be included in the construction contract as a contract specification.</p> <p>Prior to commencement of any ground disturbing activities, the Project Engineer or Construction Contractor shall submit a Notice of Intent (NOI) to the State Water Resources Control Board to receive a Waste Discharge Identification Number (WDID).</p> <p>Provide a copy of the site-specific SWPPP and WDID to the Implementing Agency.</p>	<p>A copy of the construction contract including MM HWQ-2 shall be retained in the project file.</p> <p>A copy of the SWPPP and NOI shall be provided to the Implementing Agency.</p> <p>A copy of the SWPPP and NOI shall be kept at the construction site for review during site inspections by the Implementing Agency.</p>	<p>Draft PEIR</p>
	Responsible Party	Monitoring Party	Status / Date / Initials
	<p>Project Engineer Construction Contractor</p>	<p>Implementing Agency</p>	

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Mitigation Measure	Implementation Schedule	Verification	Source
<p>Hydrology / Water Quality HWQ-3 <u>Implementation of a Drainage Plan to Reduce Downstream Flows.</u> Prior to construction of project facilities, the Watermaster Party proposing a project shall prepare a drainage plan that includes design features to reduce stormwater peak concentration flows exiting the above ground facility sites so that the capacities of the existing downstream drainage facilities are not exceeded. These design features could include bioretention, sand infiltration, return of stormwater for treatment within the treatment plant, and/or detention facilities.</p>	<p>MM HWQ-3 shall be included in the construction contract as a contract specification.</p> <p>The Drainage Plan shall be completed prior to commencement of ground disturbance and shall show how post-construction site drainage would be controlled.</p>	<p>A copy of the construction contract including MM HWQ-3 shall be retained in the project file.</p> <p>A copy of the Drainage Plan shall be submitted to the Implementing Agency prior to commencement of ground disturbance for review and approval.</p> <p>A copy of the Drainage Plan shall be kept in the file.</p>	Draft PEIR
	Project Engineer	Implementing Agency	

Mitigation Measure	Implementation Schedule	Verification	Source
<p>Hydrology / Water Quality HWQ-4 <u>Dewatering General Permit.</u> Prior to commencement of construction activities that would require dewatering and conveyance of groundwater to surface water including but not limited to a storm drain system, the Watermaster Party proposing a project shall submit a Notice of Intent (NOI) to SWRCB under the requirements of the NPDES Dewatering General Permit. The NOI shall include any additional information including a list of BMPs for preventing degradation of water quality or impairment of receiving waters.</p>	<p>MM HWQ-4 shall be included in the construction contract as a contract specification.</p> <p>Prior to commencement of construction activities that would require dewatering, the Watermaster Party undertaking the project shall submit an NOI to SWRCB under the requirements of the State's NPDES Dewatering General Permit.</p> <p>SWRCB shall issue a written determination of eligibility for coverage under the General Permit.</p>	<p>A copy of the construction contract including MM HWQ-4 shall be retained in the project file.</p> <p>A copy of the project's permit for coverage under NPDES Dewatering General Permit shall be provided to the Implementing Agency prior to commencement of well drilling.</p> <p>A copy of the NOI and permit shall be kept in the file.</p> <p>Verification of implementation shall be based on field inspections by the Implementing Agency.</p>	Draft PEIR

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Mitigation Measure	Implementation Schedule	Verification	Source
<i>Hydrology / Water Quality</i> HWQ-4 (cont.)		Field notes documenting verification shall be retained in the project file.	
	Responsible Party	Monitoring Party	Status / Date / Initials
	Project Engineer	Implementing Party	

Mitigation Measure	Implementation Schedule	Verification	Source
<i>Land Use / Planning</i> No mitigation measures			Draft PEIR
	Responsible Party	Monitoring Party	Status / Date / Initials

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Mitigation Measure	Implementation Schedule	Verification	Source
<p>Noise <u>Construction</u></p> <p>NOI-1 The following mitigation measures are required to reduce noise and vibration levels produced by the construction equipment at nearby, occupied sensitive receiver locations:</p> <ul style="list-style-type: none"> • A focused construction noise and vibration mitigation plan shall be required if any or both of the following screening criteria are met: <ul style="list-style-type: none"> ○ If project construction activities would occur within 100 feet of occupied, sensitive receiver locations (e.g., residential, school, etc. uses): <ul style="list-style-type: none"> - A focused construction noise mitigation plan shall be required which evaluates whether project construction noise levels would exceed the 65 dBA Leq exterior noise level limit at occupied sensitive receiver locations, and the mitigation measures (if any) necessary to satisfy the 65 dBA Leq exterior noise level limit. - Potential mitigation measures to reduce project construction noise levels include, but are not limited to, temporary noise barriers, the use of alternative equipment, noise level monitoring, temporary relocation of residents, or a combination of the above. 	<p>MM NOI-1 shall be included in the construction contract as a contract specification.</p> <p>Prior to commencement of construction activities, a focused Construction Noise and Vibration Mitigation Plan shall be prepared if screening criteria for noise generating construction activities in excess of local Noise Standards are met.</p> <p>Implementation of the Construction Noise and Vibration Mitigation Plan shall be implemented throughout the construction period when screening criteria are met.</p>	<p>A copy of the construction contract including MM NOI-1 shall be placed in the project file.</p> <p>A copy of the Construction Noise and Vibration Mitigation Plan shall be placed in the project file.</p> <p>Verification of implementation shall be based on field inspections by the Implementing Agency.</p> <p>Field notes documenting verification shall be retained in the project file.</p>	<p>Draft PEIR</p>
	Responsible Party	Monitoring Party	Status / Date / Initials
	Project Engineer	Implementing Agency	

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Mitigation Measure	Implementation Schedule	Verification	Source
<p>Noise <u>Construction</u> NOI-2 During all project site construction, the construction contractors shall ensure that all construction equipment, fixed or mobile, shall have properly operating and maintained mufflers, consistent with manufacturers' standards. The construction contractor shall place all stationary construction equipment so that emitted noise is directed away from the noise-sensitive receivers nearest the project site.</p>	<p>MM NOI-2 shall be included in the construction contract as a contract specification.</p> <p>Prior to commencement of construction activities, the construction contractor shall provide the Implementing Agency with a list of construction equipment and vehicles and verify that all equipment and vehicles are in good operational condition per manufacturers standards.</p>	<p>A copy of the construction contract including MM NOI-2 shall be placed in the project file.</p> <p>A copy of the equipment/vehicle list shall be placed in the project file.</p> <p>Verification of implementation shall be based on field inspections by the Implementing Agency.</p> <p>Field notes documenting verification shall be retained in the project file.</p>	Draft PEIR
	Responsible Party	Monitoring Party	Status / Date / Initials
	Project Engineer	Implementing Agency	

Mitigation Measure	Implementation Schedule	Verification	Source
<p>Noise <u>Construction</u> NOI-3 The construction contractor shall locate equipment staging in areas that will create the greatest distance between construction-related noise sources and noise-sensitive receivers nearest the project site during all project construction (i.e., the center of each site).</p>	<p>MM NOI-2 shall be included in the construction contract as a contract specification.</p> <p>Prior to commencement of construction activities, the construction contractor shall provide the Implementing Agency with a site plan showing where staging areas will be located during construction to ensure that all stationary construction equipment that emit noise, is directed away from the noise-sensitive receivers nearest the project site.</p>	<p>A copy of the construction contract including MM NOI-2 shall be placed in the project file.</p> <p>A copy of the Site Plan showing the location of the staging area shall be placed in the project file.</p> <p>Verification of implementation shall be based on field inspections by the Implementing Agency.</p> <p>Field notes documenting verification shall be retained in the project file.</p>	Draft PEIR
	Responsible Party	Monitoring Party	Status / Date / Initials
	Project Engineer	Implementing Agency	

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Mitigation Measure	Implementation Schedule	Verification	Source
<p>Noise <u>Construction</u> NOI-4 The contractor shall design delivery routes of equipment and materials to minimize the exposure of sensitive land uses or residential dwellings to delivery truck-related noise.</p>	<p>MM NOI-4 shall be included in the construction contract as a contract specification.</p> <p>Prior to commencement of construction activities, the construction contractor shall provide the Implementing Agency with a map showing delivery routes.</p> <p>All vendors making deliveries of equipment and materials shall be provided with a copy of the map of delivery routes.</p>	<p>A copy of the construction contract including MM NOI-4 shall be placed in the project file.</p> <p>A copy of the delivery route map showing the location of the staging area shall be placed in the project file.</p> <p>Verification of implementation shall be based on field inspections by the Implementing Agency</p> <p>Correspondence documenting verification shall be retained in the project file.</p>	<p>Draft PEIR</p>
	Responsible Party	Monitoring Party	Status / Date / Initials
	Project Engineer	Implementing Agency	

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Mitigation Measure	Implementation Schedule	Verification	Source
<p>Noise <u>Construction</u></p> <p>NOI-5 If high vibration-generating project construction activities such as well drilling equipment, heavy mobile equipment (greater than 80,000 pounds), or large loaded trucks would be used:</p> <ul style="list-style-type: none"> • Within 25 feet of occupied, sensitive receiver locations in the cities of Claremont, Pomona, La Verne, and Upland; or • Within 50 feet of occupied, sensitive receiver locations in unincorporated County of Los Angeles: <ul style="list-style-type: none"> ○ A focused construction vibration mitigation plan shall be required which evaluates whether project construction vibration levels would exceed the exterior vibration level limit at occupied sensitive receiver locations, specific to that jurisdiction’s standards, and the mitigation measures (if any) necessary to satisfy the exterior vibration level limit. - Potential mitigation measures to reduce project construction vibration levels include, but are not limited to, the use of alternative equipment, vibration level monitoring, temporary relocation of residents, or a combination of the above. 	<p>MM NOI-5 shall be included in the construction contract as a contract specification.</p> <p>Prior to commencement of construction activities, a focused Construction Vibration Mitigation Plan shall be prepared and submitted to the Implementing Agency for review and approval if either of the two distance criteria identified in the measure are met.</p> <p>The Construction Vibration Mitigation Plan shall be implemented throughout the construction schedule or until such time as the high-vibration activities cease.</p>	<p>A copy of the construction contract including MM NOI-5 shall be placed in the project file.</p> <p>A copy of the approved Construction Vibration Mitigation Plan shall be placed in the project file.</p> <p>Verification of implementation shall be through reporting by the construction contractor to the Implementing Agency.</p> <p>Field notes documenting verification shall be retained in the project file.</p>	<p style="text-align: center;">Draft PEIR</p>
	Responsible Party	Monitoring Party	Status / Date / Initials
	Project Engineer	Implementing Agency	

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Mitigation Measure	Implementation Schedule	Verification	Source
<p>Noise <u>Operation</u> NOI-6 The following operational noise abatement measures shall be required to further reduce the potential operational noise levels received at nearby sensitive receiver locations:</p> <ul style="list-style-type: none"> • New, or existing unenclosed, well pumps shall be enclosed to further reduce operational noise levels at nearby sensitive receiver locations (e.g., residential homes). The location of any louvres or openings in the enclosure assembly would reduce the overall noise reduction of the enclosure, and therefore, shall be oriented away from nearby residential homes, if feasible. In addition, acoustically-rated louvres and materials within the enclosure construction are recommended to further reduce the noise levels at the well pump source. • All trucks transiting on-site in outdoor areas of the project facilities should be operated with properly functioning and well-maintained mufflers. • Maintain quality pavement conditions on the property that are free of vertical deflection (i.e., speed bumps) to minimize truck noise. • Truck access gates and loading areas should have posted signs which state: <ol style="list-style-type: none"> 1. Truck drivers shall turn off engines when not in use; 2. No music or electronically reinforced speech from workers should be audible at noise-sensitive properties. 	<p>MM NOI-6 shall be included in the construction contract as a contract specification.</p> <p>Prior to approval of a project, the Site Plan showing how operational noise abatement measures shall be incorporated into the design of new facilities. The Site Plan shall be reviewed and approved by the Implementing Agency.</p> <p>During long-term operation of a project, if changes to the approved operational noise abatement measures, such changes shall be submitted to the Implementing Agency for review and approval.</p>	<p>A copy of the construction contract including MM NOI-6 shall be placed in the project file.</p> <p>A copy of the approved Site Plan shall be placed in the project file.</p> <p>Verification of implementation during construction shall be through reporting by the construction contractor to the Implementing Agency.</p> <p>Field notes documenting verification shall be retained in the project file.</p> <p>Verification of approved changes to the operation of a facility shall be retained in the project file.</p>	<p>Draft PEIR</p>
	Responsible Party	Monitoring Party	Status / Date / Initials
	Project Architect Project Engineer	Implementing Agency	

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Mitigation Measure	Implementation Schedule	Verification	Source
Population / Housing No mitigation measures			Draft PEIR
	Responsible Party	Monitoring Party	Status / Date / Initials

Mitigation Measure	Implementation Schedule	Verification	Source
Public Services and Recreation <u>Emergency Planning and Traffic Control</u> Refer to mitigation measures TR-1, TR-2, TR-3			Draft PEIR
	Responsible Party	Monitoring Party	Status / Date / Initials
	Project Engineer Construction Contractor	Implementing Agency	

Mitigation Measure	Implementation Schedule	Verification	Source
Public Services and Recreation <u>Wildland Fire</u> Refer to mitigation measures HAZ-5 and HAZ-6			Draft PEIR
	Responsible Party	Monitoring Party	Status / Date / Initials
	Project Engineer Construction Contractor	Implementing Agency	

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Mitigation Measure	Implementation Schedule	Verification	Source
<p>Transportation</p> <p>TR-1 Prior to initiating construction of proposed facilities, the Watermaster Party proposing a project or the designated construction contractor, shall prepare and implement a Construction Traffic Management Plan that contains comprehensive strategies for maintaining emergency access on public streets. In general, the Construction Traffic Management Plan shall ensure that to the extent practical, construction traffic would access a project site during off-peak hours or limited access during the peak hours; and that construction traffic would be routed to avoid travel through, or proximate to, sensitive land uses. The Plan shall also include, where necessary, the use of flags, signs and lights, as well as flag persons to direct traffic.</p> <p>Where a project includes new pipelines to connect wells to treatment facilities or to connect the Pomona WTP to the new SASG recharge basin, strategies shall include, but are not limited to, maintaining steel trench plates on public streets to restore access across open trenches and identification of alternate routing around construction zones.</p> <p>Police, fire, and other emergency service providers shall be notified of the timing, location, and duration of the construction activities and the location of detours and lane closures. The Watermaster Party proposing a project, or designated construction contractor shall ensure that the Construction Traffic Management Plan and other construction activities are consistent with the Emergency Response Plan of the jurisdiction in which the project is being constructed</p>	<p>MM TR-1 shall be included in the construction contract as a contract specification.</p> <p>Prior to initiating construction of proposed facilities, the Watermaster Party proposing a project or the designated construction contractor, shall prepare and implement a Construction Traffic Management Plan.</p> <p>The Watermaster Party proposing a project, or designated construction contractor shall ensure that the Construction Traffic Management Plan and other construction activities are consistent with the Emergency Response Plan of the jurisdiction in which the project is being constructed.</p>	<p>A copy of the construction contract including MM TR-1 shall be retained in the project file.</p> <p>A copy of the Construction Traffic Management Plan shall be placed in the project file.</p> <p>Verification of implementation shall be based on field inspections by the Implementing Agency.</p> <p>Field notes documenting verification shall be retained in the project file.</p>	<p>Draft PEIR</p>
	Responsible Party	Monitoring Party	Status / Date / Initials
	<p>Project Engineer Construction Contractor</p>	<p>Implementing Agency</p>	

**PROGRAM EIR FOR THE SIX BASINS STRATEGIC PLAN
MITIGATION MONITORING AND REPORTING PROGRAM (MMRP)
PROJECT CATEGORY 3 – TEMPORARY SURPLUS PROJECTS**

Mitigation Measure	Implementation Schedule	Verification	Source
<p>Transportation</p> <p>TR-2 As part of the Construction Traffic Management Plan, it shall be stipulated that the delivery and removal of heavy equipment shall be conducted during off- peak hours to minimize the heavy truck activity during the morning and evening peak periods (7 to 9 am and 4 to 6 pm) in order to have nominal impacts to traffic and circulation near the vicinity of a project.</p>	See Implementation Schedule for MM TR-1.	See Verification notes in MM NOI-1.	Draft PEIR
	Responsible Party	Monitoring Party	Status / Date / Initials
	Project Engineer Construction Contractor	Implementing Agency	

Mitigation Measure	Implementation Schedule	Verification	Source
<p>Transportation</p> <p>TR-3 During the site grading, where export of material is required, the construction contractor shall limit export activity between the hours of 7 to 9 am (morning peak period) and 4 to 6 pm (evening peak period) to fewer than the equivalent of 50 passenger car equivalent (PCE) truck trips per hour. 50 PCE truck trips equates to approximately 16 total trucks (8 trucks in and 8 trucks out) during the peak periods specified above in order to limit the potential impacts of haul truck activity during these busy commute times:</p> <p style="text-align: center;"><i>50 PCE truck trips / 3.0 PCE factor = 16 total trucks during the peak hour</i></p>	See Implementation Schedule for MM TR-1.	See Verification notes in MM NOI-1.	Draft PEIR
	Responsible Party	Monitoring Party	Status / Date / Initials
	Project Engineer Construction Contractor	Implementing Agency	

**PROGRAM EIR FOR THE SIX BASINS STRATEGIC PLAN
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PROJECT CATEGORY 3 – TEMPORARY SURPLUS PROJECTS**

Mitigation Measure	Implementation Schedule	Verification	Source
<p>Utilities / Service Systems / Energy</p> <p>USS-1 <u>Implementation of a Drainage Plan to Reduce Downstream Flows.</u> Prior to construction of project facilities, the Watermaster Party proposing a project shall prepare a drainage plan that includes design features to reduce stormwater peak concentration flows exiting the above ground facility sites so that the capacities of the existing downstream drainage facilities are not exceeded. These design features could include bioretention, sand infiltration, return of stormwater for treatment within the treatment plant, and/or detention facilities.</p>	<p>MM USS-1 shall be included in the construction contract as a contract specification.</p> <p>The Drainage Plan shall be completed prior to commencement of ground disturbance and shall show how post-construction site drainage would be controlled.</p>	<p>A copy of the construction contract including MM USS-1 shall be retained in the project file.</p> <p>A copy of the Drainage Plan shall be submitted to the Implementing Agency prior to commencement of ground disturbance for review and approval.</p> <p>A copy of the Drainage Plan shall be kept in the file.</p>	<p style="text-align: center;">Draft PEIR</p>
	Responsible Party	Monitoring Party	Status / Date / Initials
	Project Engineer	Implementing Agency	

**PROGRAM EIR FOR THE SIX BASINS STRATEGIC PLAN
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PROJECT CATEGORY 3 – TEMPORARY SURPLUS PROJECTS**

Mitigation Measure	Implementation Schedule	Verification	Source
<p>Utilities / Service Systems / Energy</p> <p>USS-2 <u>Implementation of a Construction and Demolition Disposal Plan</u>. Prior to commencement of construction, the contractor shall prepare a Construction and Demolition C&D disposal plan for review and approval by the local jurisdiction where construction will occur. Per CGBC Section 45.408.1.1, <i>Construction Waste Management Plan</i>, the C&D Disposal Plan shall include the following elements:</p> <ol style="list-style-type: none"> 1. Identifies the construction and demolition waste materials to be diverted from disposal by efficient usage, recycling, reuse on the project or salvage for future use or sale. 2. Determines if construction and demolition waste materials will be sorted on-site (source-separated) or bulk mixed (single stream). 3. Identifies diversion facilities where construction and demolition waste material collected will be taken. 4. Specifies that the amount of construction and demolition waste materials diverted shall be calculated by weight or volume, but not by both. 	<p>MM USS-2 shall be included in the construction contract as a contract specification.</p> <p>The Construction and Demolition Disposal Plan shall be completed prior to commencement of construction and be implemented throughout construction activities.</p>	<p>A copy of the construction contract including MM USS-2 shall be retained in the project file.</p> <p>A copy of the Construction and Demolition Disposal Plan shall be submitted to the Implementing Agency prior to commencement of ground disturbance for review and approval.</p> <p>A copy of the Construction and Demolition Disposal Plan shall be kept in the file.</p>	<p>Draft PEIR</p>
	Responsible Party	Monitoring Party	Status / Date / Initials
	Project Engineer	Implementing Agency	