

TABLE ES-2 (Continued)
IMPACT AND MITIGATION SUMMARY FOR FACILITY CONSTRUCTION AND OPERATION OF MOSS LANDING AND NORTH MARINA PROJECT SITES

Impact	Moss Landing Facilities				North Marina Facilities			Facilities Common to Both Projects						Collective Impact	
	Plant: Moss Landing Desalination Site	Intake: Moss Landing Desalination Site	Outfall: Moss Landing Desalination Site	Transmission Main North	Plant: North Marina Desalination Site	Intake: North Marina Desalination Site	Outfall: North Marina Desalination Site	Transmission Main South	Terminal Reservoir Site	Valley Greens Pump Station	Aquifer Storage and Recovery Facilities	Monterey Pipeline	MOSS LANDING PROJECT	NORTH MARINA PROJECT	
Land Use, Recreation and Agriculture	4.10-3: Implementation of the project could result in the permanent conversion of Prime Farmland, Unique Farmland, or Farmland of Statewide Importance from agricultural operation. <i>EIR Mitigation Measures</i>														
	4.10-3: CalAm shall develop a construction schedule that avoids conflict with growing seasons and rotation patterns of crops.														
	4.10-4: Project facilities could conflict with agricultural zoning or Williamson Act contracts. <i>EIR Mitigation Measures</i>	-	-	LTS	-	-	-	-	-	-	-	-	LTS	-	
	None required.														
Land Use, Recreation and Agriculture	4.10-5: The project could potentially increase the use of existing parks or recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated. <i>EIR Mitigation Measures</i>	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS	
	None required.														
	4.10-6: The project could potentially include recreational facilities or require construction or expansion of recreational facilities that might have an adverse physical effect on the environment. <i>EIR Mitigation Measures</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	
	None required.														
Public Services and Utilities	4.11-1: Potential damage to or interference with existing public utilities. <i>EIR Mitigation Measures</i>	SM	-	-	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
	4.11-1a: Verify locations of overhead utilities.	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	4.11-1b: Verify locations of underground utilities.	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	4.11-1c: Verify locations of underground utilities.	X	X	X	X	X	X	X	X	X	X	X	X	X	X

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4.11-1d: Confirm the specific location of all high priority utilities.	X	X	X	X	X	X	X	X	X	X	X	X	X	X
4.11-1e: Protect, support, or remove underground utilities as necessary.	X	X	X	X	X	X	X	X	X	X	X	X	X	X
4.11-1f: Notify local fire departments any time damage to a gas utility results.	X	X	X	X	X	X	X	X	X	X	X	X	X	X
4.11-1g: Contact utility owner if any damage occurs.	X	X	X	X	X	X	X	X	X	X	X	X	X	X
4.11-1h: Observe Department of Health Services (DHS) standards.	X	X	X	X	X	X	X	X	X	X	X	X	X	X
4.11-2: Potential short-term increase in demand for police, fire, or emergency services. drainage facilities.	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
<i>EIR Mitigation Measures</i>														
4.7-1: Road Encroachment Permits and Traffic Control and Safety Assurance Plan.	X	X	X	X	X	X	X	X	X	X	X	X	X	X
4.11-1a through 4.11-1h (as above): Verify Utility Locations	X	X	X	X	X	X	X	X	X	X	X	X	X	X
4.11-3: Potential adverse effects on solid waste landfill capacity and/or failure to achieve state-mandated solid waste diversion rates	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
<i>EIR Mitigation Measures</i>														
4.11-3a: Project facility design and construction methods that produce less waste	X	X	X	X	X	X	X	X	X	X	X	X	X	X
4.11-3b: Recovering, reusing, and recycling wastes	X	X	X	X	X	X	X	X	X	X	X	X	X	X
4.11-3c: Demonstrate that the residuals and solid waste generated by the greensand filtration process are acceptable	-	-	-	X	X	X	X	X	X	X	X	X	X	X
4.11-4: Potential adverse effects on wastewater treatment facilities.	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
<i>EIR Mitigation Measures</i>														
4.11-4a: Demonstrate that the CIP backwash water meets the standards for acceptance.	X	X	X	X	X	X	X	X	X	X	X	X	X	X
4.11-4b: Conduct a study to evaluate the potential effect of brine salinity on the outfall components	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Public Services and Utilities

TABLE ES-2 (Continued)
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Aesthetic Resources	4.12-1: Construction associated with proposed pipelines and facilities could temporarily degrade the existing visual character of a site or surroundings.	LTS	-	-	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS
	<i>EIR Mitigation Measures</i>													
	None required.													
	4.12-2: Permanent facilities could have an adverse effect on scenic vistas, damage scenic resources, or degrade the existing visual character or quality of the site and its surroundings.	LTS	-	-	LTS	LTS	-	LTS	SM	SM	-	-	SM	SM
	<i>EIR Mitigation Measures</i>													
	4.12-2a: Facility Design								X	X			X	X
	4.12-2b: Fencing								X	X			X	X
	4.12-2c: Facility Siting								X	X			X	X
	4.12-3: Exterior lighting associated with proposed facilities would create new sources of light and glare in the surrounding areas.	SM	-	-	-	SM	-	-	SM	SM	SM	-	SM	SM
	<i>EIR Mitigation Measures</i>													
Cultural Resources	4.12-3a: Shielded Lighting	X			X				X	X			X	X
	4.12-3b: Limited Outdoor Lighting Intensity	X			X				X	X			X	X
	4.13-1: Project Construction Has the Potential to Affect Known Archaeological Resources	SM	-	-	SM	SM	-	SM	SM	SM	SM	SM	SM	SM
	<i>EIR Mitigation Measures</i>													
	4.13-1a: Pre-Construction Survey	X							X		X		X	X
	4.13-1b: Avoidance	X				X			X		X	X	X	X
	4.13-1c: Construction Personnel Training	X				X			X		X	X	X	X

	SM	SII	LTS	B	X
Significant Impact, can be Mitigated	-	-	-	-	-
Significant Impact, Unavoidable	-	-	-	-	-
Less-than-significant Impact	-	-	-	-	-
Beneficial Impact	-	-	-	-	-
Mitigation in place	-	-	-	-	-

**TABLE ES-3
IMPACT AND MITIGATION SUMMARY FOR FACILITY CONSTRUCTION AND OPERATION OF PHASE 1 AND PHASE 2 OF THE REGIONAL PROJECT**

	Regional Project Phase I										Regional Project Phase II				
	Regional Desalination Facility (North Marina)	5 Vertical Intake Wells	Regional Desalination Plant Outfall (MRWPCA)	Surface Water Delivery to Urban Users (Surface Water Treatment Plant)	Treated Water Storage and Conveyance (Transmission Main South and Seaside Carmel Valley Storage Facilities)	Terminal Reservoir Site	Aquifer Storage and Recovery Facilities	Seaside Basin ASR Expansion-I	Regional Desalination Expansion (Including 5 Brackish Wells and MRWPCA Outfall)	Seaside Basin ASR Expansion-II	Seaside Groundwater Replenishment	CSIP Expansion (including SRDF Expansion)	OVERALL PHASE I PROJECT	OVERALL PHASE II PROJECT	
Impact															
6.1-1: Project construction activities could cause erosion and increase stormwater runoff resulting in an adverse water quality impact.	SM	SM	-	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	
EIR Mitigation Measures															
See Mitigation Measure 4.1-1: Additional Erosion Control Measures and Monitoring Program	X	X		X	X	X	X	X	X	X	X	X	X	X	
6.1-2: Excavation during construction could require dewatering of shallow groundwater. The water discharge, if contaminated, could adversely affect surface water.	SM	SM	-	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	
EIR Mitigation Measures															
See Mitigation Measure 4.1-2: Extracted Groundwater Measures	X	X		X	X	X	X	X	X	X	X	X	X	X	
6.1-3: The product water generated at the desalination facilities would be used as potable water that would be compliant with the drinking water standards.	-	-	LTS	-	-	-	-	-	-	-	-	-	LTS	LTS	
EIR Mitigation Measures															
None required.															
6.1-4: The project discharge from the desalination facility could degrade the marine water quality in Monterey Bay.	-	-	SM	-	-	-	-	-	SM	-	-	-	SM	SM	
EIR Mitigation Measures															
See Mitigation Measure 4.1-4c: Develop an Aeration System			X						X				X	X	
6.1-4: Test Discharge for Organic Contaminants			X						X				X	X	
6.1-5: The proposed project would add impervious surfaces that could alter the drainage pattern and increase storm runoff that could exceed the storm drainage system. The increased runoff flow could cause downstream erosion, siltation, and/or flooding.	LTS	LTS	-	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS	

Surface Water Resources

TABLE ES-3 (Continued)
IMPACT AND MITIGATION SUMMARY FOR FACILITY CONSTRUCTION AND OPERATION OF PHASE 1 AND PHASE 2 OF THE REGIONAL PROJECT

Surface Water Resources	Impact	Regional Project Phase I									Regional Project Phase II					OVERALL PHASE I PROJECT	OVERALL PHASE II PROJECT
		Regional Desalination Facility (North Marina)	5 Vertical Intake Wells	Regional Desalination Plant Outfall (MRWPCA)	Surface Water Delivery to Urban Users (Surface Water Treatment Plant)	Treated Water Storage and Conveyance (Transmission Main South and Seaside Carmel Valley Storage Facilities)	Terminal Reservoir Site	Aquifer Storage and Recovery Facilities	Seaside Basin ASR Expansion I	Regional Desalination Expansion (Including 5 Brackish Wells and MRWPCA Outfall)	Seaside Basin ASR Expansion II	Seaside Groundwater Replenishment	CSIP Expansion (Including SRDF Expansion)				
EIR Mitigation Measures	EIR Mitigation Measures																
	None required.																
	6.1-6: Operation of the SRDF in winter, which could alter the flows in Salinas River, could affect the hydrology of the river bank.	-	-	-	-	-	-	-	-	-	-	-	-	LTS	LTS		
	EIR Mitigation Measures																
	None required.																
	6.1-7: Portions of the proposed project would be located within a 100-year flood hazard area and could impede or redirect flood flows.	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS		
	EIR Mitigation Measures																
	None required.																
	6.1-8: The proposed project facilities could expose people or structures to risk from flooding due to a tsunami.	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS		
	EIR Mitigation Measures																
EIR Mitigation Measures	4.1-9: Tsunami Run-up Study None Required.																
	6.1-9: The proposed project facilities could be subject to flooding due to the sea level rise from global warming.	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS		
	EIR Mitigation Measures																
	None required.																
	6.1-10: The proposed project could expose people or structures to risk from flooding resulting from failure of a dam or levee.	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS		
	None required.																

Surface Water Resources

TABLE ES-3 (Continued)
IMPACT AND MITIGATION SUMMARY FOR FACILITY CONSTRUCTION AND OPERATION OF PHASE 1 AND PHASE 2 OF THE REGIONAL PROJECT

	Regional Project Phase I										Regional Project Phase II					OVERALL PHASE I PROJECT	OVERALL PHASE II PROJECT
Impact	Regional Desalination Facility (North Marina)	5 Vertical Intake Wells	Regional Desalination Plant Outfall (MRWPCA)	Surface Water Delivery to Urban Users (Surface Water Treatment Plant)	Treated Water Storage and Conveyance (Transmission Main South and Seaside Carmel Valley Conveyance and Storage Facilities)	Terminal Reservoir Site	Aquifer Storage and Recovery Facilities	Seaside Basin ASR Expansion I	Regional Desalination Expansion (Including 5 Brackish Wells and MRWPCA Outfall)	Seaside Basin ASR Expansion II	Seaside Groundwater Replenishment	CSIP Expansion (including SRDF Expansion)					
Surface Water Resources	6.1-11: The Regional Project would result in use of recycled water over a larger agricultural area. The recycled water applied to the irrigated lands would infiltrate through the subsurface levels affecting surface and groundwater quality.	-	-	-	-	-	-	-	-	-	-	LTS	-	-	LTS		
	EIR Mitigation Measures																
	None required.																
	6.1-12: Expansion in recycled water use under the Regional Project would reduce the discharge of treated wastewater to Monterey Bay.	-	B	-	-	-	-	-	B	-	-	B	-	-	B		
	EIR Mitigation Measures																
	None required.																
Groundwater Resources	6.1-13: The Regional Project would involve blending of the stored recycled water with other supplies prior to distribution, which could affect water quality.	-	-	-	-	-	-	-	-	-	SU	LTS	-	-	SU		
	EIR Mitigation Measures																
	None required.																
	6.2-1: Projects under the Regional Project may violate water quality standards or waste discharge requirements.	-	LTS	-	-	-	SM	SM	LTS	LTS	LTS	LTS	SM	SM	SM		
	EIR Mitigation Measures																
	See Measure 4.2-1						X	X					X	X	X		
6.2-2: The Regional Projects would increase groundwater storage of Carmel River water or desalinated water and would increase groundwater storage, water levels, and available water in the SGB and SVGB.	-	-	-	-	-	-	-	B	-	B	B	B	B	B	B		

TABLE ES-3 (Continued)
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Groundwater Resources	Impact																			
	EIR Mitigation Measures																			
	None required.																			
	6.2-3: Groundwater extraction for desalination water supply could lower groundwater levels and damage neighboring water supply wells within the vicinity of the proposed seawater intake wells.	LTS	-	-	-	-	-	-	LTS	-	-	-	LTS	LTS	LTS					
	EIR Mitigation Measures																			
	None required.																			
Groundwater Resources	6.2-4: Groundwater extraction for desalination water supply could deplete or decrease groundwater supplies/resources within the SVGB, export groundwater from the SVGB, or could change groundwater storage and water levels throughout the Pressure Subarea.	LTS	-	-	-	-	-	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS					
	EIR Mitigation Measures																			
	None required.																			
	6.2-5: The proposed desalination plant water supply wells may be completed within a portion of the 180-Foot Aquifer in an area where well installation and groundwater extraction are prohibited.	LTS	-	-	-	-	-	-	LTS	-	-	-	LTS	LTS	LTS					
	EIR Mitigation Measures																			
	None required.																			
Marine Biological Resources	6.3-1: The project discharge from the Regional desalination facility could result in degradation of marine habitat and species.	-	SM	-	-	-	-	-	SM	-	-	-	SM	SM	SM					
	EIR Mitigation Measures																			
	See Mitigation Measure 4.1-4c		X						X				X	X	X					
	See Mitigation-Measure 6.1-4		X						X				X	X	X					
	Measures 6.3-1: Conduct Periodic Sampling of Organisms		X						X				X	X	X					

TABLE ES-3 (Continued)
IMPACT AND MITIGATION SUMMARY FOR FACILITY CONSTRUCTION AND OPERATION OF PHASE 1 AND PHASE 2 OF THE REGIONAL PROJECT

Biological Resources	Impact	Regional Project Phase I							Regional Project Phase II						
		Regional Desalination Facility (North Marina)	5 Vertical Intake Wells	Regional Desalination Plant Outfall (MRWPCA)	Surface Water Delivery to Urban Users (Surface Water Treatment Plant)	Treated Water Storage and Conveyance (Transmission Main South and Seaside Carmel Valley Conveyance and Storage Facilities)	Terminal Reservoir Site	Aquifer Storage and Recovery Facilities	Seaside Basin ASR Expansion 1	Regional Desalination Expansion (Including 5 Brackish Wells and MRWPCA Outfall)	Seaside Basin ASR Expansion II	Seaside Groundwater Replenishment	CSP Expansion (including SRDF Expansion)	OVERALL PHASE I PROJECT	OVERALL PHASE II PROJECT
	6.4-1: Construction and operation of the new facilities associated with the Regional Project may adversely affect species identified as rare, threatened, endangered, candidate, sensitive, or other special status by the California Department of Fish and Game or U.S. Fish and Wildlife Service.	SM	SM	-	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
	EIR Mitigation Measures														
	See Mitigation Measure 4.4-1	X	X		X				X	X	X	X	X	X	X
	See Mitigation Measure 4.4-2													X	
	6.4-2: Construction and operation of the new facilities associated with the Regional Project may adversely affect riparian habitat or other sensitive natural community identified in local or regional plans, policies regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service.	LTS	SM	-	SM	SM	SM	SM	SM	SM	SM	SM	-	SM	SM
	EIR Mitigation Measures														
	See Mitigation Measure 4.4-2		X		X	X	X	X	X	X	X	X		X	X
	6.4-3: Construction and operation of the new facilities associated with the Regional Project may adversely affect federally protected wetlands as defined by Section 404 of the Clean Water Act.	LTS	SM	-	LTS	LTS	LTS	LTS	LTS	SM	LTS	-	-	SM	SM
	EIR Mitigation Measures														
	See Mitigation Measure 4.4-3		X							X				X	X
	6.4-4: Construction and operation of the new facilities associated with the Regional Project could adversely affect the movement of native resident or migratory fish or wildlife species or established native resident or migratory wildlife corridors.	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS
	EIR Mitigation Measures														
	None required.														

Biological Resources

TABLE ES-3 (Continued)
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	SM	SM	-	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
6.4-5: Construction and operation of the new facilities associated with the Regional Project could conflict with local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance.														
EIR Mitigation Measures														
See Mitigation Measure 4.4-5	X	X		X	X	X	X	X	X	X	X	X	X	X
6.4-6: Operation of the Regional Project would alter Salinas River flows and may thus indirectly affect federally threatened steelhead and other special-status aquatic species.	-	-	-	SM	-	-	-	-	-	-	-	-	SM	SM
EIR Mitigation Measures														
Measure 6.4-6: Formal Consultation with National Marine Fisheries Service				X									X	X
6.4-7: The Regional Project may adversely affect south-central California coast steelhead and Pacific lampreys as a result of construction activities associated with the proposed expansion of the Salinas River Diversion Facility (SRDF).	-	-	-	-	-	-	-	-	-	-	-	SM	SM	SM
EIR Mitigation Measures														
6.4-7: Avoid or Minimize Impacts to Special-Status Fish Species												X	X	X
6.5-1: Large earthquakes would be expected to damage the proposed facilities, impairing and/or disrupting their intended operations if not engineered to withstand such ground shaking.	SM	SM	-	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
EIR Mitigation Measures														
See Mitigation Measure 4.5-1	X	X		X	X	X	X	X	X	X	X	X	X	X
6.5-2: Proposed pipelines and facilities could incur damage as a result of underlying soil properties (high shrink-swell potential, and corrosivity).	SM	SM	-	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM

TABLE ES-3 (Continued)
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Geology, Soils and Seismicity	EIR Mitigation Measures															
	See Mitigation Measure 4.5-2	X	X		X		X	X	X	X	X	X	X	X	X	X
	6.5-3: Continuing coastal erosion could expose sub-surface components of the project which may result in these structures being damaged or destroyed within the project lifetime rendering delivery systems inoperable.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	EIR Mitigation Measures															
	None required.															
	6.5-4: Potential injury and/or damage resulting from landslides including earthquake induced landslides.	SM	SM	-	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
	EIR Mitigation Measures															
	See Mitigation Measure 4.5-4	X	X		X	X	X	X	X	X	X	X	X	X	X	X
	6.5-5: Potential facility damage resulting from a major earthquake in areas susceptible to liquefaction.	SM	SM	-	SM	SM	SM	SM	LTS	SU	LTS	SM	SM	SM	SM	SU
	EIR Mitigation Measures															
Hazards and Hazardous Materials	See Mitigation Measure 4.5-1	X	X		X	X	X	X				X		X		
	6.6-1: Excavation and grading for the project could expose construction workers, the public, or the environment to hazardous materials that may be present in excavated soil or groundwater.	SM	SM	-	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
	EIR Mitigation Measures															
	See Mitigation Measure 4.6-1a	X	X		X	X	X	X	X	X	X	X	X	X	X	X
	See Mitigation Measure 4.6-1b	X	X		X	X	X	X	X	X	X	X	X	X	X	X
	See Mitigation Measure 4.6-1c	X	X		X	X	X	X	X	X	X	X	X	X	X	X

TABLE ES-3 (Continued)
IMPACT AND MITIGATION SUMMARY FOR FACILITY CONSTRUCTION AND OPERATION OF PHASE 1 AND PHASE 2 OF THE REGIONAL PROJECT

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Hazards and Hazardous Materials	See Mitigation Measure 4.6-1d	X		X	X	X	X	X	X	X	X	X	X	X				
	See Mitigation Measure 4.6-1e	X	X	X	X	X	X	X	X	X	X	X	X	X				
	6.6-2: Potential for accidental release of hazardous materials from construction activities.	LTS	LTS	-	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS				
	EIR Mitigation Measures																	
	None required.																	
	6.6-3: Handling and Use of Hazardous Materials within ¼-mile of a school during construction.	-	LTS	-	-	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS				
	EIR Mitigation Measures																	
	None required.																	
	6.6-4: Increased risk of wildland fires during construction in high fire hazard areas.	LTS	LTS	-	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS				
	EIR Mitigation Measures																	
None required.																		
6.6-5: Potential for accidental release of chemicals or petroleum products.	LTS	-	-	LTS	-	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS					
EIR Mitigation Measures																		
None required.																		
6.6-6: Handling of hazardous materials within ¼-mile of a school.	-	-	-	-	LTS	-	LTS	LTS	-	LTS	LTS	LTS	LTS	LTS				
EIR Mitigation Measures																		
None required.																		

Hazardous and Hazardous Materials

TABLE ES-3 (Continued)
IMPACT AND MITIGATION SUMMARY FOR FACILITY CONSTRUCTION AND OPERATION OF PHASE 1 AND PHASE 2 OF THE REGIONAL PROJECT

	Regional Project Phase I													Regional Project Phase II				
Impact	Regional Desalination Facility (North Marina)	5 Vertical Intake Wells	Regional Desalination Plant Outfall (MRWPCA)	Surface Water Delivery to Urban Users (Surface Water Treatment Plant)	Treated Water Storage and Conveyance (Transmission Main South and Seaside Carmel Valley Conveyance and Storage Facilities)	Terminal Reservoir Site	Aquifer Storage and Recovery Facilities	Seaside-Basin ASR Expansion-I	Regional Desalination Expansion (Including 5 Brackish Wells and MRWPCA Outfall)	Seaside-Basin ASR Expansion-II	Seaside Groundwater Replenishment	CSIP Expansion (Including SRDF Expansion)	OVERALL PHASE I PROJECT	OVERALL PHASE II PROJECT				
Traffic and Circulation	6.7-1: Short-term increases in vehicle trips by construction workers and construction vehicles on area roadways. <i>EIR Mitigation Measures</i> See Mitigation Measure 4.7-1	X	SM	-	SM	SM	SM	SM	SM	X	X	SM	SM	SM				
	6.7-2: Reduction in the number of, or the available width of, travel lanes on roads where pipeline construction would occur, resulting in short-term traffic delays for vehicles traveling past the construction zones. <i>EIR Mitigation Measures</i> See Mitigation Measure 4.7-1 See Mitigation Measure 4.7-2	-	SM	-	-	SM	SM	SM	-	SM	SM	SM	SM	SM				
	6.7-3: Demand for parking spaces to accommodate construction worker vehicles. <i>EIR Mitigation Measures</i> See Mitigation Measure 4.7-1 See Mitigation Measure 4.7-3	SM	SM	-	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM			
	6.7-4: Potential traffic safety hazards for vehicles, bicyclists, and pedestrians on public roadways. <i>EIR Mitigation Measures</i> See Mitigation Measure 4.7-1 See Mitigation Measure 4.7-4	X	X		X	X	X	X	X	X	X	X	X	X	X			
		X	X		X	X	X	X	X	X	X	X	X	X	X			
	6.7-5: Access disruption to adjacent land uses and streets for both general traffic and emergency vehicles. <i>EIR Mitigation Measures</i>	SM	SM	-	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM			

TABLE ES-3 (Continued)
IMPACT AND MITIGATION SUMMARY FOR FACILITY CONSTRUCTION AND OPERATION OF PHASE 1 AND PHASE 2 OF THE REGIONAL PROJECT

	Impact	Regional Project Phase I								Regional Project Phase II					
		Regional Desalination Facility (North Marina)	5 Vertical Intake Wells	Regional Desalination Plant Outfall (MRWPCA)	Surface Water Delivery to Urban Users (Surface Water Treatment Plant)	Treated Water Storage and Conveyance (Transmission Main South and Seaside Carmel Valley Conveyance and Storage Facilities)	Terminal Reservoir Site	Aquifer Storage and Recovery Facilities	Seaside Basin ASR Expansion I	Regional Desalination Expansion (Including 5 Brackish Wells and MRWPCA Outfall)	Seaside Basin ASR Expansion II	Seaside Groundwater Replenishment	CSIP Expansion (including SRDF Expansion)	OVERALL PHASE I PROJECT	OVERALL PHASE II PROJECT
Traffic and Circulation	See Mitigation Measure 4.7-1		X				X	X		X	X	X	X	X	X
	See Mitigation Measure 4.7-5		X				X	X		X	X	X	X	X	X
	6.7-6: Disruptions to transit and railroad service on pipeline alignment routes.	SM	SM	-	SM		SM	SM	SM	SM	SM	SM	SM	SM	SM
	<i>EIR Mitigation Measures</i>														
	See Mitigation Measure 4.7-1	X	X				X	X	X	X	X	X	X	X	X
	See Mitigation Measure 4.7-6	X	X				X	X	X	X	X	X	X	X	X
	6.7-7: Increased wear-and-tear on the designated haul routes used by construction vehicles.	SM	SM	-	SM		SM	SM	SM	SM	SM	SM	SM	SM	SM
	<i>EIR Mitigation Measures</i>														
	See Mitigation Measure 4.7-7	X	X				X	X	X	X	X	X	X	X	X
	6.7-8: Long-Term Project Operations and Maintenance.	LTS	LTS	-	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS
Air Quality	<i>EIR Mitigation Measures</i>														
	None required.														
	6.8-1: Regional Project construction activities would generate emissions of criteria pollutants, including fugitive dust and equipment exhaust particulate matter.	SM	SU	-	SU		SM	SM	SU	SU	SU	SU	SU	SU	SU
	<i>EIR Mitigation Measures</i>														
	See Measures 4.8-1a through 4.8-1d	X	X	X	X		X	X	X	X	X	X	X	X	X
	6.8-1a: Joint Construction Emissions Control Plan	X	X	X	X		X	X	X	X	X	X	X	X	X
	6.8-2: Regional Project operations would result in emissions, including diesel particulates, from testing and emergency use of standby generators, as well as from material haul trips and employee trips related to inspections and maintenance.	LTS	LTS	-	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS

TABLE ES-3 (Continued)
IMPACT AND MITIGATION SUMMARY FOR FACILITY CONSTRUCTION AND OPERATION OF PHASE 1 AND PHASE 2 OF THE REGIONAL PROJECT

		Regional Project Phase I								Regional Project Phase II					
Impact		Regional Desalination Facility (North Marina)	5 Vertical Intake Wells	Regional Desalination Plant Outfall (MRWPCA)	Surface Water Delivery to Urban Users (Surface Water Treatment Plant)	Treated Water Storage and Conveyance (Transmission Main South and Seaside Carmel Valley Conveyance and Storage Facilities)	Terminal Reservoir Site	Aquifer Storage and Recovery Facilities	Seaside-Basin ASR Expansion-1	Regional Desalination Expansion (Including 5 Brackish Wells and MRWPCA Outfall)	Seaside-Basin ASR Expansion-2	Seaside Groundwater Replenishment	CSIP Expansion (including SRDF Expansion)	OVERALL PHASE I PROJECT	OVERALL PHASE II PROJECT
Air Quality															

TABLE ES-3 (Continued)
IMPACT AND MITIGATION SUMMARY FOR FACILITY CONSTRUCTION AND OPERATION OF PHASE 1 AND PHASE 2 OF THE REGIONAL PROJECT

	Impact	Regional Project Phase I								Regional Project Phase II					
		Regional Desalination Facility (North Marina)	5 Vertical Intake Wells	Regional Desalination Plant Outfall (MRWPCA)	Surface Water Delivery to Urban Users (Surface Water Treatment Plant)	Treated Water Storage and Conveyance (Transmission Main South and Seaside Carmel Valley Conveyance and Storage Facilities)	Terminal Reservoir Site	Aquifer Storage and Recovery Facilities	Seaside Basin-ASR Expansion-1	Regional Desalination Expansion (Including 5 Brackish Wells and MRWPCA Outfall)	Seaside Basin-ASR Expansion-2	Seaside Groundwater Replenishment	CSP Expansion (Including SRDF Expansion)	OVERALL PHASE I PROJECT	OVERALL PHASE II PROJECT
Air Quality	6.8-6: Project construction and operations would result in odors.	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS
	<i>EIR Mitigation Measures</i>														
	<u>None Required.</u>														
	6.9-1: Construction activity would violate standards established in the local general plans or noise ordinances, and/or would adversely affect nearby sensitive receptors.	SM	SM	-	SM	SM	LTS	SM		SM	SM	SM	SM	SU	SM
Noise and Vibration	<i>EIR Mitigation Measures</i>														
	Measure 6.9-1: Distance from Residences During Nighttime Construction Work	X	X			X				X		X	X	X	X
	See Mitigation Measure 4.9-1a	X	X		X	X		X	X	X	X	X	X	X	X
	See Mitigation Measure 4.9-1b	X	X		X	X		X	X	X	X	X	X	X	X
	See Mitigation Measure 4.9-1c	X	X		X	X		X	X	X	X	X	X	X	X
	See Mitigation Measure 4.9-1d	X	X		X	X		X	X	X	X	X	X	X	X
	See Mitigation Measure 4.9-1e	X				X		X	X	X	X	X	X	X	X
	6.9-2: Operation of the water treatment plants and other conveyance facilities would potentially increase existing noise levels, which could exceed noise level standards and/or result in nuisance impacts.	SM	LTS	-	SM	LTS	LTS	SM	SM	SM	SM	SM	SM	SM	SM
	<i>EIR Mitigation Measures</i>														
	See Mitigation Measure 4.9-2	X			X			X	X	X	X	X	X	X	X
	6.9-3: Short-term construction would result in temporary vibration impacts on nearby sensitive receptors and structures.	LTS	LTS	LTS	SM	LTS	LTS	LTS	SM	SM	SM	SM	SM	SM	SM

TABLE ES-3 (Continued)
IMPACT AND MITIGATION SUMMARY FOR FACILITY CONSTRUCTION AND OPERATION OF PHASE 1 AND PHASE 2 OF THE REGIONAL PROJECT

		Regional Project Phase I								Regional Project Phase II					OVERALL PHASE I PROJECT	OVERALL PHASE II PROJECT
	Impact	Regional Desalination Facility (North Marina)	5 Vertical Intake Wells	Regional Desalination Plant Outfall (MRWPCA)	Surface Water Delivery to Urban Users (Surface Water Treatment Plant)	Treated Water Storage and Conveyance (Transmission Main South and Seaside Carmel Valley Conveyance and Storage Facilities)	Terminal Reservoir Site	Aquifer Storage and Recovery Facilities	Seaside-Basin ASR Expansion I	Regional Desalination Expansion (Including 5 Brackish Wells and MRWPCA Outfall)	Seaside-Basin ASR Expansion II	Seaside Groundwater Replenishment	CSP Expansion (including SRDF Expansion)	OVERALL PHASE I PROJECT	OVERALL PHASE II PROJECT	
Noise and Vibration	<i>EIR Mitigation Measures</i>				X				X	X	X	X	X	X	X	
	See Mitigation Measure 4.9-1b				X				X	X	X	X	X	X	X	
	See Mitigation Measure 4.9-1d				X				X	X	X	X	X	X	X	
	6.9-3: Trenchless Technology and Construction Vibration Mitigation Plan				X				X	X	X	X	X	X	X	
Land Use, Recreation and Agriculture	6.10-1: Components of the Phase 1 Project and Phase 2 Project may permanently divide or temporarily disrupt an established community.	SM	LTS	-	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	
	<i>EIR Mitigation Measures</i>															
	See Mitigation Measures 4.10-1a	X			X	X	X	X	X	X	X	X	X	X	X	
	See Mitigation Measures 4.10-1b	X			X	X	X	X	X	X	X	X	X	X	X	
Land Use, Recreation and Agriculture	See Mitigation Measures 4.10-1c	X			X	X	X	X	X	X	X	X	X	X	X	
	6.10-2: Components of the proposed project may conflict with applicable land use plans, policies, or regulations of an agencies with jurisdiction over the project, including, but not limited to general plans, specific plans, local coastal plans, or zoning ordinances adopted for the purpose of avoiding of mitigating an environmental effect.	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS	
	<i>EIR Mitigation Measures</i>															
	None Required.															
Land Use, Recreation and Agriculture	6.10-3: Implementation of the proposed project could result in the permanent removal of Prime Farmland, Unique Farmland, or Farmland of Statewide Importance from agricultural operation, or involve other changes that could result in conversion of farmland to nonagricultural use as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use.	SM	-	LTS	SM	LTS	LTS	LTS	LTS	SM	LTS	LTS	LTS	SM	SM	

TABLE ES-3 (Continued)
IMPACT AND MITIGATION SUMMARY FOR FACILITY CONSTRUCTION AND OPERATION OF PHASE 1 AND PHASE 2 OF THE REGIONAL PROJECT

		Regional Project Phase I								Regional Project Phase II					OVERALL PHASE I PROJECT	OVERALL PHASE II PROJECT
	Impact	Regional Desalination Facility (North Marina)	5 Vertical Intake Wells	Regional Desalination Plant Outfall (MRWPCA)	Surface Water-Delivery to Urban Users (Surface Water Treatment Plant)	Treated Water Storage and Conveyance (Transmission Main South and Seaside Carmel Valley Conveyance and Storage Facilities)	Terminal Reservoir Site	Aquifer Storage and Recovery Facilities	Seaside-Basin-ASR Expansion-I	Regional Desalination Expansion (Including 5 Brackish Wells and MRWPCA Outfall)	Seaside-Basin-ASR Expansion-II	Seaside-Groundwater Replenishment	CSIP Expansion (including SRDF Expansion)			
Land Use, Recreation and Agriculture	<i>EIR Mitigation Measures</i>															
	See Mitigation Measure 4.10-3	X			X					X				X	X	
	6.10-3: Identification and Avoidance of Prime Agricultural Lands	X								X				X	X	
	6.10-4: Project facilities could conflict with agricultural zoning or Williamson Act contracts.	SM	SM	-	-	-	-	-	-	SM	-	-	-	SM	SM	
	<i>EIR Mitigation Measures</i>															
	See Mitigation Measure 6.10-3	X	X							X				X	X	
	6.10-5: The proposed project could potentially increase the use of existing parks or recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated.	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS	
	<i>EIR Mitigation Measures</i>															
	None Required.															
	6.10-6: The project could potentially include recreational facilities or require construction or expansion of recreational facilities that might have an adverse physical effect on the environment.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Public Services and Utilities	<i>EIR Mitigation Measures</i>															
	None required.															
	6.11-1: Potential damage to or interference with existing public utilities.	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	
	<i>EIR Mitigation Measures</i>															
	See Mitigation Measure 4.11-1a	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
	See Mitigation Measure 4.11-1b	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
	See Mitigation Measure 4.11-1c	X	X	X	X	X	X	X	X	X	X	X	X	X	X	

TABLE ES-3 (Continued)
IMPACT AND MITIGATION SUMMARY FOR FACILITY CONSTRUCTION AND OPERATION OF PHASE 1 AND PHASE 2 OF THE REGIONAL PROJECT

Impact	Regional Project Phase I								Regional Project Phase II					
	Regional Desalination Facility (North Marina)	5 Vertical Intake Wells	Regional Desalination Plant Outfall (MRWPCA)	Surface Water-Delivery to Urban Users (Surface Water-Treatment Plant)	Treated Water Storage and Conveyance (Transmission Main South and Seaside Carmel Valley Conveyance and Storage Facilities)	Terminal Reservoir Site	Aquifer Storage and Recovery Facilities	Seaside Basin-ASR Expansion I	Regional Desalination 5 Brackish Wells and MRWPCA Outfall)	Seaside Basin-ASR Expansion II	Seaside Groundwater Replenishment	CSLP-Expansion (including SRDF Expansion)	OVERALL PHASE I PROJECT	OVERALL PHASE II PROJECT
See Mitigation Measure 4.11-1d	X	X	X	X	X	X	X	X	X	X	X	X	X	X
See Mitigation Measure 4.11-1e	X	X	X	X	X	X	X	X	X	X	X	X	X	X
See Mitigation Measure 4.11-1f	X	X	X	X	X	X	X	X	X	X	X	X	X	X
See Mitigation Measure 4.11-1g	X	X	X	X	X	X	X	X	X	X	X	X	X	X
See Mitigation Measure 4.11-1h	X	X	X	X	X	X	X	X	X	X	X	X	X	X
See Mitigation Measure 4.11-1i	X	X	X	X	X	X	X	X	X	X	X	X	X	X
6.11-2: Potential short-term increase in demand for police, fire, or emergency services.	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
<i>EIR Mitigation Measures</i>														
See Mitigation Measure 4.11-2	X	X	X	X	X	X	X	X	X	X	X	X	X	X
6.11-3: Potential adverse effects on solid waste landfill capacity and/or failure to achieve state-mandated solid waste diversion rates.	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
<i>EIR Mitigation Measures</i>														
See Mitigation Measure 4.11-3a	X	X	X	X	X	X	X	X	X	X	X	X	X	X
See Mitigation Measure 4.11-3b	X	X	X	X	X	X	X	X	X	X	X	X	X	X
See Mitigation Measure 4.11-3c														
6.11-4: Potential adverse effects on wastewater treatment facilities.	SM	SM	SM	SM	-	-	SM	SM	SM	SM	SM	SM	SM	SM
<i>EIR Mitigation Measures</i>														
See Mitigation Measure 4.11-4a	X	X	X	X			X	X	X	X	X	X	X	X
See Mitigation Measure 4.11-4b	X	X	X	X			X	X	X	X	X	X	X	X

Public Services and Utilities

TABLE ES-3 (Continued)
IMPACT AND MITIGATION SUMMARY FOR FACILITY CONSTRUCTION AND OPERATION OF PHASE 1 AND PHASE 2 OF THE REGIONAL PROJECT

	Impact	Regional Project Phase I								Regional Project Phase II					OVERALL PHASE I PROJECT	OVERALL PHASE II PROJECT
		Regional Desalination Facility (North Marina)	5 Vertical Intake Wells	Regional Desalination Plant Outfall (MRWPCA)	Surface Water Delivery to Urban Users (Surface Water Treatment Plant)	Treated Water Storage and Conveyance Main (Transmission Main South and Seaside Carmel Valley Conveyance and Storage Facilities)	Terminal Reservoir Site	Aquifer Storage and Recovery Facilities	Seaside Basin-ASR Expansion-I	Regional Desalination 5 Brackish Wells and Expansion (Including MRWPCA Outfall)	Seaside Basin-ASR Expansion-II	Seaside Groundwater Replenishment	CSP Expansion (Including SRDF Expansion)			
Aesthetic Resources	6.12-1: Construction associated with proposed pipelines and facilities could temporarily degrade the existing visual character of a site or surroundings.	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS		LTS	LTS
	<i>EIR Mitigation Measures</i>															
	None required.															
	6.12-2: Permanent facilities could have an adverse effect on scenic vistas, damage scenic resources, or degrade the existing visual character or quality of the site and its surroundings.	LTS	SM	LTS	LTS	LTS	SM	LTS	LTS	SM	LTS	LTS	SM		SM	SM
	<i>EIR Mitigation Measures</i>															
	See Mitigation Measure 4.12-2a		X							X	X		X			
	See Mitigation Measure 4.12-2b		X							X	X		X			
	See Mitigation Measure 4.12-2c		X							X	X		X			
	6.12-3: Exterior lighting associated with proposed facilities would create new sources of light and glare in the surrounding areas.	SM	-	-	SM	SM	SM	SM	SM	SM	SM	SM	SM		SM	SM
	<i>EIR Mitigation Measures</i>															
Cultural Resources	See Mitigation Measure 4.12-3a	X			X	X	X	X	X	X	X	X	X		X	X
	See Mitigation Measure 4.12-3b	X			X	X	X	X	X	X	X	X	X		X	X
	6.13-1: Project Construction Has the Potential to Affect Known Archaeological Resources	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM		SM	SM
	<i>EIR Mitigation Measures</i>															
	See Mitigation Measure 4.13-1a	X	X	X	X	X	X	X	X	X	X	X	X		X	X
	See Mitigation Measure 4.13-1b	X	X	X	X	X	X	X	X	X	X	X	X		X	X
	See Mitigation Measure 4.13-1c	X	X	X	X	X	X	X	X	X	X	X	X		X	X
	See Mitigation Measure 4.13-1d	X	X	X	X	X	X	X	X	X	X	X	X		X	X

TABLE ES-3 (Continued)
IMPACT AND MITIGATION SUMMARY FOR FACILITY CONSTRUCTION AND OPERATION OF PHASE 1 AND PHASE 2 OF THE REGIONAL PROJECT

	Regional Project Phase I												Regional Project Phase II				
Impact	Regional Desalination Facility (North Marina)	5 Vertical Intake Wells	Regional Desalination Plant Outfall (MRWPCA)	Surface Water-Delivery to Urban Users (Surface Water Treatment Plant)	Treated Water Storage and Conveyance (Transmission Main South and Seaside Carmel Valley Conveyance and Storage Facilities)	Terminal Reservoir Site	Aquifer Storage and Recovery Facilities	Seaside Basin ASR Expansion-I	Regional Desalination Expansion (Including 5 Brackish Wells and MRWPCA Outfall)	Seaside-Basin ASR Expansion-II	Seaside-Groundwater Replenishment	CSP Expansion (including SRDF Expansion)	OVERALL PHASE I PROJECT	OVERALL PHASE II PROJECT			
Cultural Resources	See Mitigation-Measure 4.13-1e	X	X	X	X	X	X	X	X	X	X	X	X	X			
	See Mitigation-Measure 4.13-1f	X	X	X	X	X	X	X	X	X	X	X	X	X			
	See Mitigation Measure 4.13-2a	X	X	X	X	X	X	X	X	X	X	X	X	X			
	See Mitigation Measure 4.13-2b	X	X	X	X	X	X	X	X	X	X	X	X	X			
	6.13-2: Unanticipated Archaeological Discoveries May Be Damaged or Destroyed During Project Construction	SM	SM	-	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM			
	EIR Mitigation Measures																
	See Mitigation Measure 4.13-2a	X	X		X	X	X	X	X	X	X	X	X	X			
	See Mitigation-Measure 4.13-2b	X	X		X	X	X	X	X	X	X	X	X	X			
	4.13-3: Potential to uncover human remains	SM	SM	-	SM	SM	SM	-	SM	SM	SM	SM	SM	SM			
	EIR Mitigation Measures																
Energy	4.13-3: Human Remains	X		X	X	X		X	X	X	X	X	X	X			
	6.14-1: Construction of the Phase 1 and Phase 2 Regional Projects could result in the substantial consumption of energy such that existing supplies would be constrained and could result in the wasteful use of energy resources that are not renewable.	SM	SM	-	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM			
	EIR Mitigation Measures																
	See Mitigation Measure 6.8-1c	X	X		X	X	X	X	X	X	X	X	X	X			
	See Mitigation Measure 6.8-1d	X	X		X	X	X	X	X	X	X	X	X	X			
	6.14-2: Operation of the Phase 1 and Phase 2 Regional Projects would increase long-term consumption of electricity at the project facilities, which could result in the wasteful use of energy resources that are not renewable.	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS	LTS			

Cultural Resources

Energy

TABLE ES-3 (Continued)
IMPACT AND MITIGATION SUMMARY FOR FACILITY CONSTRUCTION AND OPERATION OF PHASE 1 AND PHASE 2 OF THE REGIONAL PROJECT

Energy	Impact	Regional Project Phase I								Regional Project Phase II				
		Regional Desalination Facility (North Marina)	5 Vertical Intake Wells	Regional Desalination Plant Outfall (MRWPCA)	Surface Water-Delivery to Urban-Users (Surface Water Treatment Plant)	Treated Water Storage and Conveyance (Transmission Main South and Seaside Carmel Valley Conveyance and Storage Facilities)	Terminal Reservoir Site	Aquifer Storage and Recovery Facilities	Seaside-Basin-ASR Expansion-I	Regional Desalination Expansion (Including 5 Brackish Wells and MRWPCA Outfall)	Seaside-Basin-ASR Expansion-II	Seaside-Groundwater Replenishment	CSIP-Expansion (including-SRDF Expansion)	OVERALL PHASE I PROJECT
EIR Mitigation Measures														
6.14-1: An Energy Conservation Plan		X	X	X	X	X	X	X	X	X	X	X	X	
SM - Significant Impact, can be Mitigated														
SU - Significant Impact, Unavoidable														
LTS - Less-than-significant Impact														
B - Beneficial Impact														
- - No Impact														
X - Mitigation in place														