

6.0 IMPACT SUMMARY

Table 6-1 presents a summary of potential environmental impacts of the Proposed Projects. No significant, adverse environmental impacts are expected as a result of the Proposed Projects regarding aesthetics, agricultural resources, air quality, biology, cultural resources, geology/soils, hazards and hazardous materials, hydrology/water quality, land use/planning, mineral resources, noise, population/housing, public services, recreation, traffic, or utilities/services systems. The analysis concentrated on the potential short-term construction impacts associated with the various activities of the Proposed Projects. These environmental categories would be most affected in winter/spring 2008 and winter/spring 2009 when numerous activities associated with the Proposed Projects and the simultaneous plant outage process would be occurring at DCP. Specific impacts cannot be determined for the No Project Alternative because of the lack of definitive information at this time. The extent to which two new power generation facilities in Alameda and Kern Counties would affect the environment would depend upon the specific site location chosen. It is possible that significant impacts could result from the No Project Alternative. The greatest potential for significant impacts from the No Project Alternative is from air emissions. The No Project Alternative would result in a substantial increase in emissions of air pollutants compared with current or future operations of DCP.

**Table 6-1
Impact Summary**

Resource Area	Proposed Projects					No Project Alternative
	Transport Options		Main Diablo Canyon Power Plant Activities			
	Port San Luis	Intake Cove	Replacement Steam Generator Preparation (Staging)	Original Steam Generator Removal, Transportation, and Long-Term Storage	Replacement Steam Generator Installation	
Aesthetics	No significant impact. Temporary disturbance during offloading activities scheduled for a maximum of 7 days, once a year for 2 years.	No significant impact. DCPD site not visible to public because of isolated location and dominant landscape features obscuring activities.	No significant impact. DCPD site not visible to public because of isolated location and dominant landscape features obscuring activities.	No significant impact. DCPD site not visible to public because of isolated location and dominant landscape features obscuring activities.	No significant impact. DCPD site not visible to public because of isolated location and dominant landscape features obscuring activities.	Potential significant impacts may or may not occur.
Agricultural Resources	No significant impact. No disturbance to land or nearby agricultural operations along 7-mile access road.	No significant impact. No disturbance to land because activities occur on previously disturbed areas.	No significant impact. No disturbance to land because activities occur on previously disturbed areas.	No significant impact. No disturbance to land because activities occur on previously disturbed areas.	No significant impact. No disturbance to land because activities occur on previously disturbed areas.	Potential significant impacts may or may not occur.
Air Quality	No significant impact. No violation of San Luis Obispo Air Pollution Control District Standards and no conflict with local ambient standards. No nearby sensitive receptors.	No significant impact. No violation of San Luis Obispo Air Pollution Control District Standards and no conflict with local ambient standards. No nearby sensitive receptors.	No significant impact. Worse-case 2,000 additional workers analyzed (1,100 regular outage and 900 RSGP workers). No violation of San Luis Obispo Air Pollution Control District Standards and no conflict with local ambient standards.	No significant impact. Impacts of up to 2,000 additional workers analyzed (1,100 regular outage and 900 SGRP workers). No violation of San Luis Obispo Air Pollution Control District Standards and no conflict with local ambient standards.	No significant impact. Impacts of up to 2,000 additional workers analyzed (1,100 regular outage and 900 SGRP workers). No violation of San Luis Obispo Air Pollution Control District Standards and no conflict with local ambient standards.	Substantial increase in air emissions from new combined cycle gas turbine plants and potential violation of air standards, may result in potentially significant impacts.
Biological Resources	No significant impact. No listed species or habitat area wildlife impacts expected.	No significant impact. No listed species or habitat area wildlife impacts expected.	No significant impact. No listed species or habitat area wildlife impacts expected.	No significant impact. No listed species or habitat area wildlife impacts expected.	No significant impact. No listed species or habitat area wildlife impacts expected.	Potential siting on land supporting sensitive biological resources; potential significant impacts may or may not occur.

Resource Area	Proposed Projects					No Project Alternative
	Transport Options		Main Diablo Canyon Power Plant Activities			
	Port San Luis	Intake Cove	Replacement Steam Generator Preparation (Staging)	Original Steam Generator Removal, Transportation, and Long-Term Storage	Replacement Steam Generator Installation	
Cultural Resources	No significant impact. Offloading would not affect previously recorded historical or archaeological resources. No disturbance on previously recorded historical or archaeological resources. No disturbance to land because activities occur on previously disturbed areas.	No significant impact. No disturbance, activities occur on previously disturbed areas. No disturbance on previously recorded historical or archaeological resources. No disturbance to land because activities occur on previously disturbed areas.	No significant impact. No disturbance on previously recorded historical or archaeological resources. No disturbance to land because activities occur on previously disturbed areas.	No significant impact. No disturbance on previously recorded historical or archaeological resources. No disturbance to land because activities occur on previously disturbed areas.	No significant impact. No disturbance on previously recorded historical or archaeological resources. No disturbance to land because activities occur on previously disturbed areas.	Potential siting on land supporting sensitive cultural resources; potential significant impacts may or may not occur.
Geology	No significant impact. No dredging of Port San Luis required. Access road built for heavy loads.	No significant impact. No dredging of Intake Cove required.	No significant impact. No new cut/fill activities. DCPD area has been extensively surveyed and seismic conditions would be incorporated into activities.	No significant impact. DCPD area has been extensively surveyed and seismic conditions would be incorporated into activities. Geologic conditions study may be needed for new facility.	No significant impact. No new cut/fill activities. DCPD area has been extensively surveyed and seismic conditions would be incorporated into activities.	Potential significant impacts may or may not occur.
Hazards and Hazardous Materials	No significant impact. Minimal exposure risk of small spill/release. Activities done to existing Management Safety Plan standards.	No significant impact. Minimal exposure risk of small spill/release. Activities done to existing Management Safety Plan standards.	No significant impact. Minimal exposure risk of small spill/release. Activities done to existing Management Safety Plan standards.	No significant impact. Movement of original steam generators would be done according to existing Management Safety Plan and Health and Safety Plan standards.	No significant impact. Minimal exposure risk of small spill/release. Activities done to existing Management Safety Plan standards.	With proper management of hazardous materials, potential significant impacts not likely.
Hydrology/ Water Quality	No significant impact. No activities near drainage/stream crossings and runoff would be controlled with available Best Management Practices.	No significant impact. No activities near drainage/stream crossing and runoff would be controlled with available Best Management Practices.	No significant impact. Minimal exposure risk to groundwater through spill/release. Activities done to existing Management Safety Plan standards.	No significant impact. Minimal exposure risk to groundwater through spill/release. Activities done to existing Management Safety Plan standards.	No significant impact. Minimal exposure risk to groundwater through spill/release. Activities done to existing Management Safety Plan standards.	Potential significant impacts on water supply and resources may or may not occur.

Resource Area	Proposed Projects					No Project Alternative
	Transport Options		Main Diablo Canyon Power Plant Activities			
	Port San Luis	Intake Cove	Replacement Steam Generator Preparation (Staging)	Original Steam Generator Removal, Transportation, and Long-Term Storage	Replacement Steam Generator Installation	
Land Use	No significant impact. Offloading would comply with federal, state, and local policies. No disturbance to land because activities occur on previously disturbed areas.	No significant impact. Offloading would comply with federal, state, and local policies. No disturbance to land because activities occur on previously disturbed areas. No change would occur at DCPD with this offloading option.	No significant impact. Activities would comply with federal, state, and local policies. No disturbance to land because activities occur on previously disturbed areas. No change would occur at DCPD with this activity.	No significant impact. Activities would comply with federal, state, and local policies. Construction of new 10,000-square-foot building near 500 kV switchyard is within existing use conditions of site.	No significant impact. Activities would comply with federal, state, and local policies. No disturbance to land because activities occur on previously disturbed areas. No change would occur at DCPD with this activity.	Potential significant impacts on adjacent land uses may or may not occur.
Mineral Resources	No significant impact. No known mineral resources of economic value are located in area.	No significant impact. No known mineral resources of economic value are located at DCPD.	No significant impact. No known mineral resources of economic value are located at DCPD.	No significant impact. No known mineral resources of economic value are located at DCPD.	No significant impact. No known mineral resources of economic value are located at DCPD.	Potential significant impacts may or may not occur.
Noise	No significant impact. Minor increase in ambient noise expected near offloading activities. County Ordinance Section 22.10.120 exception to standards apply for work associated with utilities.	No significant impact. Minor increase in ambient noise expected near offloading activities. No nearby sensitive receptors. Distance and intervening topography shields public from the noise.	No significant impact. Minor increase in ambient noise expected near steam generator activities. Distance and intervening topography shields public from the noise.	No significant impact. Minor increase in ambient noise expected near steam generator activities. Distance and intervening topography shields public from the noise.	No significant impact. Minor increase in ambient noise expected near steam generator activities. Distance and intervening topography shields public from the noise.	Potential significant impacts on adjacent sensitive receptors may or may not occur.
Population and Housing	No significant impact. No permanent population increase would be realized. Adequate lodging is available for temporary activity.	No significant impact. No permanent population increase would be realized. Adequate lodging is available for temporary activity.	No significant impact. No permanent population increase would be realized. There is sufficient lodging to accommodate additional temporary workers in the area.	No significant impact. No permanent population increase would be realized. There is sufficient lodging to accommodate additional temporary workers in the area.	No significant impact. No permanent population increase would be realized. There is sufficient lodging to accommodate additional temporary workers in the area.	Potential significant impacts may or may not occur.

Resource Area	Proposed Projects					No Project Alternative
	Transport Options		Main Diablo Canyon Power Plant Activities			
	Port San Luis	Intake Cove	Replacement Steam Generator Preparation (Staging)	Original Steam Generator Removal, Transportation, and Long-Term Storage	Replacement Steam Generator Installation	
Public Services	No significant impact. No public services would be affected with this transport option.	No significant impact. No public services would be affected with this transport option.	No significant impact. Adequate public service is available to accommodate temporary activities.	No significant impact. Adequate public service is available to accommodate temporary activities.	No significant impact. Adequate public service is available to accommodate temporary activities.	Potential significant impacts on water supply may or may not occur.
Recreation	No significant impact. Temporary movement of harbor vessels and limited beach activities associated with offloading activities scheduled for a maximum of 7 days, once a year for 2 years.	No significant impact. This transport option uses private property. No recreational amenities are affected and no new resources are needed.	No significant impact. This activity uses private property. No recreational amenities are affected and no new resources are needed.	No significant impact. This activity uses private property. No recreational amenities are affected and no new resources are needed.	No significant impact. This activity uses private property. No recreational amenities are affected and no new resources are needed.	Potential significant impacts may or may not occur.
Transportation/ Traffic	No significant impact. Temporary limited access to Harford Pier and parking facilities near Port San Luis. No new roadways needed.	No significant impact. This transport option uses private property. No new roadways needed.	No significant impact. No new roadways needed. Future roadway operations are expected to operate at existing levels of service. This activity causes no change to future levels of service.	No significant impact. No new roadways needed. Future roadway operations are expected to operate at existing levels of service. This activity causes no change to future levels of service.	No significant impact. No new roadways needed. Future roadway operations are expected to operate at existing levels of service. This activity causes no change to future levels of service.	Potential significant impacts on level of service and access may or may not occur.
Utilities and Public Services	No significant impact. No utilities/services systems would be affected with this transport option.	No significant impact. No utilities/services systems would be affected with this transport option.	No significant impact. Adequate utilities/services are available at DCPD for temporary activity.	No significant impact. Adequate utilities/services are available at DCPD for temporary activity.	No significant impact. Adequate utilities/services are available at DCPD for temporary activity.	Potential significant impacts may or may not occur.