

Summary Form for Electronic Document Submittal

Form F

Lead agencies may include 15 hardcopies of this document when submitting electronic copies of Environmental Impact Reports, Negative Declarations, Mitigated Negative Declarations, or Notices of Preparation to the State Clearinghouse (SCH). The SCH also accepts other summaries, such as EIR Executive Summaries prepared pursuant to CEQA Guidelines Section 15123. Please include one copy of the Notice of Completion Form (NOC) with your submission and attach the summary to each electronic copy of the document.

SCH #: 2022060566

Project Title: Climate Resilient Santa Cruz: Graham Hill Water Treatment Plant Facility Improvements Project

Lead Agency: City of Santa Cruz Water Department

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Project Location: Santa Cruz, Felton Santa Cruz
City *County*

Project Description (Proposed actions, location, and/or consequences).

The Proposed Project would replace and substantially upgrade the majority of the existing water treatment processes at the Graham Hill Water Treatment Plant (GHWTP) and associated infrastructure with modern facilities. The Proposed Project would improve the GHWTP to: meet current seismic, building, electrical, and fire code requirements; support the treatment of wet season water to facilitate implementation of the City's Water Supply Augmentation Strategy and Securing Our Water Future Policy; increase the City's treatment reliability to meet current and anticipated future water quality requirements; and improve the ability to treat variable and degraded source water quality conditions, such as those associated with post-wildfire, severe storms, and droughts. Characteristics and elements of the Proposed Project include the following: reliable water treatment plant capacity, new and upgraded water treatment and related processes, new and upgraded buildings, infrastructure and site improvements, project operations and maintenance. Project construction is anticipated to commence in phases over a four-year period (from 2025 through 2029) while maintaining ongoing operations and continuous production of drinking water at GHWTP.

Identify the project's significant or potentially significant effects and briefly describe any proposed mitigation measures that would reduce or avoid that effect.

The Draft EIR found that implementation of the Proposed Project may result in potentially significant environmental impacts related to the following categories: biological resources; geology and soils; hazards and hazardous materials; and noise and vibration, which would be reduced to less than significant with mitigation measures identified in the EIR in most cases. The Draft EIR found that implementation of the Proposed Project may result in significant and unavoidable impacts related to construction noise.

See attached summary for impacts and mitigation measures.

If applicable, describe any of the project's areas of controversy known to the Lead Agency, including issues raised by agencies and the public.

The City of Santa Cruz, as the Lead Agency, has identified areas of concern based on the EIR Notice of Preparation (NOP), which is included in Appendix A of the EIR.

The written comments received in response to the NOP have been taken into consideration in the preparation of this EIR. The comments cover the following topics: cultural resources and recommendations for cultural resources studies and outreach to Native American tribes; biological resources as related to habitat, stormwater management, and artificial lighting; wildfire exposure and wildfire management; operational noise conditions; fence maintenance; and nighttime lighting conditions.

Provide a list of the responsible or trustee agencies for the project.

State Water Resources Control Board, Division of Drinking Water
State Water Resources Control Board, Division of Financial Assistance
California Department of Fish and Wildlife
Central Coast Regional Water Quality Control Board
Monterey Bay Air Resources District

Summary of Project Impacts

Impact	Level of Significance Prior to Mitigation	Mitigation Measures	Level of Significance After Mitigation
Aesthetics			
Impact AES-1: Scenic Vistas. The Proposed Project's construction and operational activities would not eliminate or substantially adversely affect, modify, or obstruct a visually prominent or significant public scenic vista, public viewing area, or public view corridor	Less than Significant	None	Less than Significant
Impact AES-2: Scenic Quality. The Proposed Project would not substantially degrade the existing visual character or quality of the surrounding area (i.e., be incompatible with the scale or visual character of the surrounding area, or substantially detract from the integrity, character, and/or aesthetic character of the neighborhood.	Less than Significant	None	Less than Significant
Impact AES-3: Light and Glare. The Proposed Project components, including new sources of lighting, new structures, and new materials, would not adversely affect daytime or nighttime views or activities in the area or pose a nuisance.	Less than Significant	None	Less than Significant
Impact AES-4: Cumulative Impacts Related to Aesthetics. The Proposed Project, in combination with past, present, and reasonably foreseeable future development, would not result in a significant cumulative impact related to aesthetics.	Less than Significant	None	Less than Significant
Air Quality			
Impact AIR-1: Conflict with Air Quality Plan. Construction and operation of the Proposed Project would result in emissions of criteria pollutants but would not exceed adopted thresholds of significance and therefore would not conflict with the Monterey Bay Air Resources District's (MBARD's) Air Quality Management Plan (AQMP).	Less than Significant	None	Less than Significant

Summary of Project Impacts

Impact	Level of Significance Prior to Mitigation	Mitigation Measures	Level of Significance After Mitigation
<p>Impact AIR-2: Criteria Pollutant Emissions. Construction and operation of the Proposed Project would result in emissions of criteria pollutants, but would not exceed adopted thresholds of significance, violate any air quality standard or contribute substantially to an existing or projected air quality violation. Therefore, the Proposed Project would not result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard.</p>	Less than Significant	None	Less than Significant
<p>Impact AIR-3: Exposure of Sensitive Receptors. The Proposed Project would not potentially expose sensitive receptors to substantial pollutant concentrations during short-term construction or during long-term operations.</p>	Less than Significant	None	Less than Significant
<p>Impact AIR-4: Other Emissions Adversely Affecting a Substantial Number of People. Construction and operation of the Proposed Project would not result in other emissions that would adversely affect a substantial number of people.</p>	Less than Significant	None	Less than Significant
<p>Impact AIR-5: Cumulative Air Quality Impacts. Construction and operation of the Proposed Project, in combination with past, present, and reasonably foreseeable future development, would not result in a significant cumulative impact related to air quality.</p>	Less than Significant	None	Less than Significant
Biological Resources			
<p>Impact BIO-1: Special-Status Species. The Proposed Project would have no impact on special-status plants but could have a substantial adverse effect</p>	Potentially Significant	<p>MM BIO-1: Special-Status Amphibian and Reptile Species Survey and Monitoring (applies only to the Utility Corridor, if stormwater improvements are implemented). A pre-construction survey for Santa Cruz black salamander,</p>	Less than Significant

Summary of Project Impacts

Impact	Level of Significance Prior to Mitigation	Mitigation Measures	Level of Significance After Mitigation
<p>on some special-status wildlife species during construction.</p>		<p>California giant salamander, and western pond turtle shall be conducted within 48 hours prior to the initiation of ground disturbance in suitable habitat for these species (i.e., damp upland areas near/adjacent to San Lorenzo River). The survey area shall include all suitable habitat within the work areas, plus a 50-foot buffer. Following the survey, the contractor, under the direction of a qualified biologist, shall install wildlife exclusion fencing along the boundary of the work area containing suitable habitat to prevent special-status amphibians and reptiles from entering the work area. The wildlife exclusion fencing must be trenched into the soil at least 4 inches in depth, with the soil compacted against both sides of the fence for its entire length and must have intermittent exit points. Turnarounds shall be installed at access points to direct amphibians and reptiles away from gaps in the fencing.</p> <p>MM BIO-2: Biological Construction Monitoring (applies to entire project site and staging areas). A qualified biologist shall monitor vegetation removal and initial ground disturbing activities during all work hours for off-pavement work where special-status wildlife species are likely to occur. The frequency and characteristics of monitoring will be determined by the qualified biologist during the implementation of MM BIO-1 and MM BIO-4. The monitor shall check any wildlife exclusion fencing installed at the utility corridor along the San Lorenzo River and any avoidance buffers for nesting birds once a week and verify when birds have fledged if found present before construction. The biologist shall have stop-work authority in the event that a listed species is found within the active construction footprint. During construction, the biological monitor shall keep a daily observation log and a photo log to describe monitoring activities, remedial actions, non-compliance, and other issues and actions taken. These logs shall be kept on-site and made available for inspection by agency personnel.</p>	

Summary of Project Impacts

Impact	Level of Significance Prior to Mitigation	Mitigation Measures	Level of Significance After Mitigation
		<p>MM BIO-3: Species Relocation (applies to entire project site and staging areas). If special-status wildlife species are observed within the construction area prior to or during construction activities, the biologist shall capture and relocate such individuals out of the area affected by construction activities to nearby habitat that has equivalent value to support the species. The biologist shall identify suitable habitats as potential release sites prior to start of construction activities. If the special-status species is a federally or state-listed as threatened or endangered, the biologist shall notify the U.S. Fish and Wildlife Service, California Department of Fish and Wildlife, and/or National Marine Fisheries Service, as appropriate, prior to capture and relocation to obtain approval, if not already covered by an existing incidental take permit.</p> <p>MM BIO-4: Surveys for San Francisco Dusky-Footed Woodrat (applies to entire project site and staging areas). A pre-construction survey for San Francisco dusky-footed woodrat middens shall be conducted within 14 days of the start of construction. During the survey, a qualified biologist shall identify any middens in the work area and contiguous habitat within 10 feet and determine if they are active using peer-accepted methods (e.g., mimicking woodrat “tail rattle” and listening for a response). If the biologist determines that the middens are unoccupied, no further action is required. If the biologist determines that the middens are occupied or potentially occupied and that project activities could result in woodrat mortality, the following measures shall be implemented:</p> <p>A. The contractor, under direction of the biologist, shall install a 10-foot-radius exclusion zone around each midden using pin flags, orange safety cones, wood lathe, or similar material in which no activity would occur until project construction is complete.</p>	

Summary of Project Impacts

Impact	Level of Significance Prior to Mitigation	Mitigation Measures	Level of Significance After Mitigation
		<p>B. If middens cannot be avoided by this buffer, the contractor, under direction of the biologist, shall dismantle the middens by hand or using small machinery and move the woody materials to similar habitat outside the project footprint. The midden dismantling activities shall only occur in the early morning during the non-breeding season (October to February), however, so that any adults or non-dependent young can escape into adjacent habitat during the dismantling activity.</p>	
<p>Impact BIO-2: Riparian Habitat or Sensitive Natural Communities. The Proposed Project would not have a substantial adverse effect on riparian habitat or sensitive natural communities.</p>	Less than Significant	None	Less than Significant
<p>Impact BIO-3: State or Federally Protected Wetlands or Waters. The Proposed Project could have a substantial adverse effect on state or federally protected wetlands or waters.</p>	Potentially Significant	<p>MM BIO-5: Aquatic Resource Delineation and Mitigation (applies only to the Utility Corridor, if stormwater improvements are implemented). To clarify the extent of state and federally protected wetlands and waters regulated by the U.S. Army Corps of Engineers, Regional Water Control Board, and California Department of Fish and Wildlife within the utility corridor area along the San Lorenzo River, a qualified aquatic resource delineator shall conduct a formal jurisdictional delineation within the impact area. The results of the delineation would be used to calculate temporary and permanent impacts for reporting to the above agencies in respective permitting applications and determine the appropriate amount of compensatory mitigation for unavoidable impacts. All jurisdictional aquatic resources not directly affected by construction activities shall be avoided and protected by establishing staking, flagging or fencing between the identified construction areas and aquatic resources to be avoided/preserved.</p> <p>For unavoidable impacts to jurisdictional aquatic resources, a project-specific mitigation plan shall be developed,</p>	Less than Significant

Summary of Project Impacts

Impact	Level of Significance Prior to Mitigation	Mitigation Measures	Level of Significance After Mitigation
		<p>approved by the above agencies, as appropriate, through their respective regulatory permitting processes, and implemented. The mitigation plan shall specify the criteria and standards by which the mitigation will compensate for impacts of the Proposed Project and include discussion of the following:</p> <ul style="list-style-type: none"> A. The mitigation objectives and type and amount of mitigation to be implemented (in-kind mitigation at a minimum mitigation ratio of 1:1); B. The location of the proposed mitigation site(s) (within the San Lorenzo River watershed, if possible); C. The methods to be employed for mitigation implementation (jurisdictional aquatic resource establishment, re-establishment, enhancement, and/or preservation); D. Success criteria and a monitoring program to ensure mitigation success; and E. Adaptive management and remedial measures in the event that performance stands are not achieved. 	
<p>Impact BIO-4: Native Wildlife Nursery Sites. The Proposed Project would not impede the use of native wildlife nursery sites by removing or causing abandonment of active native bird nests.</p>	Less than Significant	None	Less than Significant
<p>Impact BIO-5: Fish or Wildlife Species Habitat or Population Levels. The Proposed Project would not substantially reduce fish or wildlife species habitat or cause a fish or wildlife population to drop below self-sustaining levels.</p>	Less than Significant	None	Less than Significant
<p>Impact BIO-6: Cumulative Biological Resources Impacts. The Proposed Project, in combination with past, present, and reasonably foreseeable future development, could result in a significant cumulative impact related to biological resources,</p>	Less than Significant	None	Less than Significant

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Impact	Level of Significance Prior to Mitigation	Mitigation Measures	Level of Significance After Mitigation
but the Proposed Project's contribution to this impact would not be cumulatively considerable.			
Cultural Resources and Tribal Cultural Resources			
Impact CUL-1: Historical (Built Environment) Resources. The Proposed Project would not cause a substantial adverse change in the significance of historical built environment resource, pursuant to Section 15064.5.	Less than Significant	None	Less than Significant
Impact CUL-2: Archaeological Resources and Human Remains. The Proposed Project would not cause a substantial adverse change in the significance of unique archaeological resources (pursuant to Section 15064.5) or historical resources of an archaeological nature, and/or disturb human remains.	Less than Significant	None	Less than Significant
Impact CUL-3: Tribal Cultural Resources: The Proposed Project would not cause a substantial adverse change in the significance of a tribal cultural resource.	Less than Significant	None	Less than Significant
Impact CUL-4: Cumulative Cultural Resources and Tribal Cultural Resources Impacts. The Proposed Project, in combination with past, present, and reasonably foreseeable future development, would not result in a significant cumulative impact related to cultural resources and tribal cultural resources.	Less than Significant	None	Less than Significant
Energy			
Impact ENE-1: Wasteful, Inefficient, or Unnecessary Consumption of Energy Resources. The Proposed Project would not result in wasteful, inefficient, or unnecessary consumption of energy resources.	Less than Significant	None	Less than Significant
Impact ENE-2: Conflict with an Applicable Renewable Energy or Energy Efficiency Plan. The Proposed Project would not result in conflicts with	Less than Significant	None	Less than Significant

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Impact	Level of Significance Prior to Mitigation	Mitigation Measures	Level of Significance After Mitigation
or otherwise obstruct a state or local plan for renewable energy or energy efficiency.			
Impact ENE-3: Cumulative Energy Impacts. The Proposed Project, in combination with past, present, and reasonably foreseeable future development, would not result in a significant cumulative impact related to energy.	Less than Significant	None	Less than Significant
Geology and Soils			
Impact GEO-1: Seismic Hazards. The Proposed Project would not directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death resulting from seismic ground shaking or seismic-related ground failure, including liquefaction.	Less than Significant	None	Less than Significant
Impact GEO-2: Landslides. The Proposed Project would not cause potential substantial adverse effects involving landslides, including the risk of loss, injury, or death.	Less than Significant	None	Less than Significant
Impact GEO-3: Unstable Geologic Unit or Soils. The Proposed Project would not be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the Proposed Project, and potentially result in on- or off-site landslide, slope failure/instability, subsidence, or collapse.	Less than Significant	None	Less than Significant
Impact GEO-4: Expansive Soils. The Proposed Project would potentially be located on expansive soil, as defined in the 2022 California Building Code, but would not create substantial direct or indirect risks to life or property.	Less than Significant	None	Less than Significant
Impact GEO-5: Paleontological Resources. The Proposed Project could potentially directly or indirectly destroy a unique paleontological resource	Potentially Significant	MM GEO-1: Paleontological Resources Impact Mitigation Program and Paleontological Monitoring (applies to the GHWTP Parcel and the Alternate Sanitary Sewer Lateral	Less than Significant

Summary of Project Impacts

Impact	Level of Significance Prior to Mitigation	Mitigation Measures	Level of Significance After Mitigation
<p>or site during construction. However, the Proposed Project would not directly or indirectly destroy a unique geological feature.</p>		<p>Replacement Area). Prior to commencement of any ground disturbance below artificial fill and Holocene alluvial or colluvial deposits with the potential to impact Pleistocene terrace deposits or the Santa Margarita Formation sandstone within the project site, the City shall retain a qualified paleontologist per the Society of Vertebrate Paleontology (2010) guidelines. The paleontologist shall prepare a Paleontological Resources Impact Mitigation Program (PRIMP) for the Proposed Project. The PRIMP shall be consistent with the SVP (2010 or most current version) guidelines and outline requirements for preconstruction meeting attendance and worker environmental awareness training; paleontological monitoring as required based on geological mapping, construction plans and/or geotechnical reports; procedures for adequate paleontological monitoring and discoveries treatment; paleontological methods (including sediment sampling for microinvertebrate and microvertebrate fossils); reporting; and collections management. A qualified paleontologist shall attend a preconstruction meeting and a qualified paleontological monitor shall be on site during ground-disturbing activities below fill and Holocene alluvial and/or colluvial deposits. where there is the potential to impact Pleistocene terrace deposits or the Santa Margarita Formation sandstone. In the event that paleontological resources (e.g., fossils) are unearthed during grading, the paleontological monitor will temporarily halt and/or divert grading activity to allow recovery of paleontological resources. The area of discovery will be roped off with a 50-foot radius buffer or an appropriately sized buffer as determined by the qualified paleontologist. Once documentation and collection of the find is completed, the monitor will allow grading to recommence in the area of the find.</p>	

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Impact	Level of Significance Prior to Mitigation	Mitigation Measures	Level of Significance After Mitigation
Impact GEO-6: Cumulative Geologic Hazards. The Proposed Project, in combination with past, present, and reasonably foreseeable future development, would not result in a significant cumulative impact related to geology and soils.	Less than Significant	None	Less than Significant
Impact GEO-7: Cumulative Paleontological Resources Impacts. The Proposed Project, in combination with past, present, and reasonably foreseeable future development, would not result in a significant cumulative impact related to paleontological resources.	Less than Significant	None	Less than Significant
Greenhouse Gas Emissions			
Impact GHG-1: Greenhouse Gas Emissions. The Proposed Project would not generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment.	Less than Significant	None	Less than Significant
Impact GHG-2: Conflict with an Applicable GHG Reduction Plan. The Proposed Project would not conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of greenhouse gases.	Less than Significant	None	Less than Significant
Impact GHG-3: Cumulative GHG Impacts. The Proposed Project, in combination with past, present, and reasonably foreseeable future development, would result in a significant cumulative impact related to GHG emissions. However, the Proposed Project's contribution would not be cumulatively considerable.	Less than Significant	None	Less than Significant
Hazards and Hazardous Materials			
Impact HAZ-1: Routine Transport, Use, or Disposal of Hazardous Materials. Construction and operation of the Proposed Project would require routine use and transportation of hazardous materials but	Potentially Significant	MM HAZ-1: Evaluation and Treatment of Concrete Mortar (Applies to Existing Storm Drain Line within the Utility Corridor). Prior to removal or modification of the existing onsite steel stormwater piping, the concrete mortar will be	Less than Significant

Summary of Project Impacts

Impact	Level of Significance Prior to Mitigation	Mitigation Measures	Level of Significance After Mitigation
<p>would not result in a significant hazard to the public or environment. Demolition, construction, and excavation activities have the potential to create a significant hazard to the public or environment due to the improper handling, transportation, and disposal of hazardous building materials and impacted soils.</p>		<p>evaluated for the presence of asbestos. The evaluation will include a survey of the pipeline and appurtenances for the potential presence of asbestos in concrete mortar; this survey will be conducted by a California-licensed asbestos contractor. If necessary, bulk samples will be collected of suspect material for further analysis at a California-licensed analytical laboratory. Any concrete mortar that contain asbestos above applicable regulatory levels will be either be properly abated in accordance with rules and regulations applicable for asbestos removal and disposal, or maintained in place with protections that limit potential exposure to asbestos piping. Asbestos containing materials are defined under federal and state regulations as 1.0% by volume.</p> <p>MM HAZ-2: Soil Management Plan (Applies to the GHWP Parcel). A soil management plan (SMP) will be prepared and implemented for management of arsenic-impacted soils that are encountered during construction and excavation activities of the Proposed Project. The SMP will outline soil handling, testing, and disposal requirements, and will follow recommendations outlined in the Contaminated Soils and Groundwater Technical Memorandum. The SMP will also include health and safety procedures for onsite workers, transportation requirements, dust control techniques, and monitoring and reporting requirements. The SMP and subsequent soil removal work will be overseen by an environmental remediation professional with experience in contaminated soil removal and disposal. Records of removal and final disposition of soil, including but not limited to analytical reports, trucking logs, onsite monitoring and field logs, and dump receipts, will be maintained by the City. Soils that are not disturbed during construction and are located beneath buildings or asphalt are not required to be removed.</p>	
<p>Impact HAZ-2: Reasonably Foreseeable Upset or Accident Conditions. The Proposed Project would</p>	<p>Less than Significant</p>	<p>None</p>	<p>Less than Significant</p>

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Impact	Level of Significance Prior to Mitigation	Mitigation Measures	Level of Significance After Mitigation
not create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment.			
Impact HAZ-3: Interfere with Emergency Response Plans. The Proposed Project would not impair implementation of or physically interfere with existing emergency response plan or emergency evacuation plan.	Less than Significant	None	Less than Significant
Impact HAZ-4: Cumulative Hazard Impacts. The Proposed Project, in combination with past, present, and reasonably foreseeable future development, would not result in a significant cumulative impact related to routine transport, use, disposal, or accidental release of hazardous materials.	Less than Significant	None	Less than Significant
Hydrology and Water Quality			
Impact HYD-1: Surface Water Quality Standards and Waste Discharge Requirements. Construction and operation of the Proposed Project would not violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or groundwater quality. In addition, the Proposed Project would not conflict with or obstruct implementation of a water quality control plan related to surface water.	Less than Significant	None	Less than Significant
Impact HYD-2: Decrease Groundwater Supplies, Interfere with Groundwater Recharge, or Conflict with Groundwater Plan. Construction and operation of the Proposed Project would not decrease groundwater supplies or interfere substantially with groundwater recharge such that sustainable groundwater management of the basin would be impeded or such that conflict or obstruction of a	Less than Significant	None	Less than Significant

Summary of Project Impacts

Impact	Level of Significance Prior to Mitigation	Mitigation Measures	Level of Significance After Mitigation
sustainable groundwater management plan would occur.			
Impact HYD-3: Alteration to the Existing Drainage Pattern of the Site Area. Construction and operation of the Proposed Project would not substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would: (a) result in substantial erosion or siltation on or off site; (b) substantially increase the rate or amount of surface runoff in a manner which would result in flooding on or off site; (c) create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; or (d) impede or redirect flood flows.	Less than Significant	None	Less than Significant
Impact HYD-4: Flood, Tsunamis, and Seiche Zones. Construction and operation of the Proposed Project in flood hazard, tsunami, or seiche zones would not risk release of pollutants due to project inundation	Less than Significant	None	Less than Significant
Impact HYD-5: Cumulative Hydrology and Water Quality Impacts. Construction and operation of the Proposed Project, in combination with past, present, and reasonably foreseeable future development, would not result in a significant cumulative impact related to surface water hydrology and water quality.	Less than Significant	None	Less than Significant
Land Use and Planning			
Impact LU-1: Conflicts with Land Use Plans, Policies, or Regulations. Construction and operation of the Proposed Project would not conflict with any land use plan, policy, or regulation adopted for the	Less than Significant	None	Less than Significant

Summary of Project Impacts

Impact	Level of Significance Prior to Mitigation	Mitigation Measures	Level of Significance After Mitigation
purpose of avoiding or mitigating an environmental effect.			
Impact LU-2: Cumulative Land Use and Planning Impacts. Construction and operation of the Proposed Project, in combination with past, present, and reasonably foreseeable future development, would not result in a significant cumulative impact related to conflicts with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect.	Less than Significant	None	Less than Significant
Noise and Vibration			
Impact NOI 1: Substantial Permanent Increase in Ambient Noise Levels. The Proposed Project could result in a substantial permanent increase in noise levels in the project vicinity above ambient levels without the project.	Potentially Significant	MM NOI-1: Operational Mechanical and Process Noise (applies only to the GHWTP). The Proposed Project shall implement the following measures to minimize operational, mechanical and process noise levels through project site design; selection of low noise generating equipment; and use of silencers/mufflers, localized barriers, extended parapets, mechanical screens, and acoustical absorption, as outlined below. One or more of the following measures shall be incorporated into project site design to yield aggregate Proposed Project operational noise levels that are consistent with quantified County absolute and relative thresholds (see Table 4.12-9), as measured at the nearest sensitive receptor: <ul style="list-style-type: none"> ▪ As consistent with manufacturer performance requirements or guidance, all operating mechanical equipment with the potential to contribute to the generation of excessive offsite noise exposure levels shall be fitted with intake and exhaust silencers, gas vent silencers, shrouds, or acoustical enclosures. 	Less than Significant

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Impact	Level of Significance Prior to Mitigation	Mitigation Measures	Level of Significance After Mitigation
		<ul style="list-style-type: none">▪ To exploit interior-to-exterior sound transmission losses associated with a building exterior shell (and its inherent material assemblies and penetrations for access, natural lighting, and ventilation or exhaust), mechanical equipment shall be located within the associated building. Building penetrations such as fresh air intakes and exhausts shall be fitted with acoustical louvers.▪ Noise generating equipment not located within a building or within adjacent service yards incorporating acoustical barriers shall be shielded from direct line-of-site to nearby noise-sensitive uses through the use of localized noise barriers, rooftop parapets, sound rated mechanical screens or intervening structures.▪ Mechanical equipment not located within a building or an acoustically rated enclosure capable of reducing exterior noise level exposures consistent with applicable thresholds, as specified above, shall be located at a sufficient distance from nearby noise-sensitive receptors, so that mechanical equipment would be reduced to be consistent with the applicable thresholds.	

Summary of Project Impacts

Impact	Level of Significance Prior to Mitigation	Mitigation Measures	Level of Significance After Mitigation
		<p>A noise level monitoring program shall be developed and implemented by the City to verify that noise levels produced by equipment associated with on-going operations of the facility achieve consistency with applicable threshold levels at nearby noise-sensitive land uses. The monitoring program shall be conducted initially after full operations are underway and subsequently, if noise complaints are received and directly attributable to the new equipment. If monitored noise levels exceed the applicable threshold levels at nearby noise-sensitive land uses, potential additional treatments shall be implemented including but not limited to adding additional mass to building shells, installing acoustic absorption within a building, and/or installing enclosures around specific pieces of equipment, such that consistency with applicable threshold levels at nearby noise-sensitive land uses is achieved.</p>	
<p>Impact NOI-2: Substantial Temporary or Permanent Increase in Ambient Noise Levels in Excess of Applicable Standards. The Proposed Project would result in substantial noise levels in the vicinity of the project, in excess of standards established in the local general plan, noise ordinance or applicable standards of other agencies.</p>	Potentially Significant	<p>MM NOI-2: Construction Noise (applies to the entire project site and staging areas). The Proposed Project shall implement the following measures related to construction noise:</p> <ul style="list-style-type: none"> Restrict construction activities and use of equipment that have the potential to generate significant noise levels (e.g., use of a concrete saw, mounted impact hammer, jackhammer, rock drill, etc.) to between the hours of 8:00 AM and 5:00 PM, unless specifically identified work outside these hours is authorized by the City's Water Director as necessary to allow for safe access to a construction site, safe construction operations, efficient construction progress, and/or to account for prior construction delays outside of a contractor's control (e.g., weather delays). 	Significant Unavoidable

Summary of Project Impacts

Impact	Level of Significance Prior to Mitigation	Mitigation Measures	Level of Significance After Mitigation
		<ul style="list-style-type: none">▪ Construction activities requiring operations to continue outside of the hours of 8:00 AM to 5:00 PM shall locate noise generating equipment as far as possible from noise-sensitive receptors, and/or within an acoustically rated enclosure (meeting or exceeding Sound Transmission Class [STC] 27), shroud or temporary barrier as needed to yield construction noise exposure levels that are at or below either the 60 dBA nighttime (10:00 PM to 8:00 AM) or 75 dBA daytime (5:00 PM to 10:00 PM) County code standards at the nearest offsite sensitive receptors. Noisy construction equipment, such as temporary pumps that are not submerged, aboveground conveyor systems, concrete saws, and impact tools will likely require location within such an acoustically rated enclosure, shroud, or barrier to meet these above criteria. Impact tools in particular, shall have the working area/impact area shrouded or shielded whenever possible, with intake and exhaust ports on power equipment muffled or suppressed.▪ Portable and stationary site support equipment (e.g., generators, compressors, and cement mixers) shall be located as far as possible from nearby noise-sensitive receptors.▪ Construction equipment and vehicles shall be fitted with efficient, well-maintained mufflers that reduce equipment noise emission levels at the project site. Internal-combustion-powered equipment shall be equipped with properly operating noise suppression devices (e.g., mufflers, silencers, wraps) that meet or exceed the manufacturer's specifications. Mufflers and noise suppressors shall be properly maintained and tuned to allow proper fit, function, and minimization of noise.▪ Construction equipment shall not be idled for extended periods of time (i.e., 5 minutes or longer) in the immediate vicinity of noise-sensitive receptors.	

Summary of Project Impacts

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		<ul style="list-style-type: none"> In conjunction with the implementation of standard construction practice #17, the Construction Noise Coordinator shall manage complaints resulting from construction noise by instituting modifications to the construction operations, construction equipment or work plan to ensure consistency with the County Code standards that apply from 5:00 PM to 8:00 AM, where complaints are verified and substantive. Recurring disturbances shall be evaluated by a qualified acoustical consultant retained by the City to provide for consistency with applicable standards. 	
<p>Impact NOI 3: Excessive Groundborne Vibration or Noise Levels. Construction of the Proposed Project would not result in the potential generation of excessive groundborne vibration or groundborne noise levels.</p>	Less than Significant	None	Less than Significant
<p>Impact NOI 4: Cumulative Noise and Vibration Impacts. Construction of the Proposed Project, in combination with past, present, and reasonably foreseeable future development, could result in a significant cumulative impact; however, construction vibration would not result in significant cumulative impact. Operation of the Proposed Project would also not result in a significant cumulative impact related to noise.</p>	Potentially Significant	None	Significant Unavoidable
Transportation			
<p>Impact TRA-1: Conflict with Program, Plan, Ordinance, or Policy Addressing the Circulation System. Construction and operation of the Proposed Project would not conflict with a program, plan, ordinance, or policy addressing the circulation system, including transit, roadway, bicycle, and pedestrian facilities.</p>	Less than Significant	None	Less than Significant

Summary of Project Impacts

Impact	Level of Significance Prior to Mitigation	Mitigation Measures	Level of Significance After Mitigation
<p>Impact TRA-2: Vehicle Miles Traveled. Construction and operation of the Proposed Project would not conflict or be inconsistent with CEQA Guidelines Section 15064.3, Subdivision (b) or cause an increase in VMT that exceeds City and County thresholds (greater than 15% below the regional average VMT).</p>	Less than Significant	None	Less than Significant
<p>Impact TRA-3: Geometric Design. Construction and operation of the Proposed Project would not result in substantial increases in hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses.</p>	Less than Significant	None	Less than Significant
<p>Impact TRA-4: Emergency Access. Construction and operation of the Proposed Project would not result in inadequate emergency access or impair implementation of or interfere with an emergency evacuation plan.</p>	Less than Significant	None	Less than Significant
<p>Impact TRA-5: Cumulative Transportation Impacts. The Proposed Project, in combination with past, present, and reasonably foreseeable future development, would not result in a significant cumulative impact related to transportation</p>	Less than Significant	None	Less than Significant
Utilities and Service Systems			
<p>Impact UTL-1: New or Expanded Facilities. The Proposed Project would not result in new or expanded water, wastewater treatment, stormwater drainage, electric power, natural gas, or telecommunications facilities beyond those proposed as part of the Proposed Project and evaluated throughout the EIR.</p>	No Impact	None	No Impact
<p>Impact UTL-2: Water Supplies. Operation of the Proposed Project would provide sufficient water supplies to serve the Proposed Project and would</p>	Beneficial	None	Beneficial

Summary of Project Impacts

Impact	Level of Significance Prior to Mitigation	Mitigation Measures	Level of Significance After Mitigation
support the provision of sufficient water supplies for reasonably foreseeable future development during normal, dry, and multiple dry years.			
Impact UTL-3: Solid Waste Generation. Construction and operation of the Proposed Project would not generate solid waste in excess or state or local standards, or of the capacity of local infrastructure, or impair attainment of solid waste reduction goals.	Less than Significant	None	Less than Significant
Impact UTL-4: Compliance with Solid Waste Regulations. Construction and operation of the Proposed Project would comply with federal, state, and local management and reduction statutes and regulations related to solid waste.	Less than Significant	None	Less than Significant
Impact UTL-5: Cumulative Water and Wastewater Impacts. Construction and operation of the Proposed Project, in combination with past, present, and reasonably foreseeable future development, would not result in a significant cumulative impact related to water supply and wastewater treatment.	Less than Significant	None	Less than Significant
Impact UTL-6: Cumulative Landfill Impacts. Construction and operation of the Proposed Project, in combination with past, present, and reasonably foreseeable future development, would not result in a significant cumulative impact related to landfill capacity or related to compliance with solid waste regulations.	Less than Significant	None	Less than Significant
Wildfire			
Impact WIL-1: Wildland Fire Exposure. The Proposed Project would not expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires.	Less than Significant	None	Less than Significant

Summary of Project Impacts

Impact	Level of Significance Prior to Mitigation	Mitigation Measures	Level of Significance After Mitigation
<p>Impact WIL-2: Pollutant Concentrations from Wildfire. The Proposed Project would not, due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose Proposed Project occupants to, pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire.</p>	Less than Significant	None	Less than Significant
<p>Impact WIL-3: Installation or Maintenance of Infrastructure. The Proposed Project would not require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment.</p>	Less than Significant	None	Less than Significant
<p>Impact WIL-4: Runoff, Post-Fire Slope Instability or Drainage Changes. The Proposed Project would not expose people or structures to significant risks, including downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes.</p>	Less than Significant	None	Less than Significant
<p>Impact WIL-5: Cumulative Wildfire Impacts. The Proposed Project, in combination with past, present, and reasonably foreseeable future development, would not result in a significant cumulative impact related to significant risk of loss, injury, or death involving wildland fires.</p>	Less than Significant	None	Less than Significant