

# 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 #: 2024080720

Project Title: Glenarm BESS Project

Lead Agency: City of Pasadena

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Project Location: Pasadena Los Angeles County  
*City* *County*

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

The City of Pasadena Water and Power (PWP) proposes to install a 25-MW utility-scale BESS on an approximately 0.59-acre site, located at 72 East Glenarm Street, in the City of Pasadena, California. BESS are devices that enable energy to be stored and then released when the power is needed. The Project would charge and store energy, with a minimum storage capability of four hours and would connect to the existing PWP electric transmission system to transfer power, as needed. The BESS would be constructed at PWP's existing Glenarm Power Plant.

A private entity would be selected to develop and maintain the BESS and sell the associated capacity and operational attributes to Pasadena under an Energy Storage Agreement (ESA). The ESA would include an option for Pasadena to purchase the BESS at the Commissioned Operating Date (COD), the second year after COD, or the fifth year after COD and any succeeding years.

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

The Project's IS/MND identified the following MMs for the proposed Glenarm BESS Project:

Biological Resources: MM BIO-1 (To the extent practical and feasible, Project construction shall be conducted between September 16 and January 31, which is outside the bird nesting season. Construction conducted within this period shall be considered in compliance with the conditions set forth in the Migratory Bird Treaty Act (MBTA) and California Fish and Game Code with methods approved by the U.S. Fish and Wildlife Service (USFWS) and California Department of Fish and Wildlife (CDFW) to protect active bird/raptor nests. If the nature of the proposed construction activities requires that work be conducted during the breeding season for nesting birds (March 15–September 15) or nesting raptors (February 1–June 30), in order to avoid direct impacts on active nests, a pre-construction survey shall be conducted by a qualified Biologist for nesting birds and/or raptors within 3 days prior to any construction or disturbance activities (i.e., within 300 feet for nesting birds and within 500 feet for nesting raptors). If the Biologist does not find any active nests within or immediately adjacent to the impact area, the construction work shall be allowed to proceed. If a lapse of more than 3 days occurs between outdoor disturbance activities, the nesting bird survey will need to be repeated as nesting activities may potentially occur in that time frame. Results of the surveys will be provided to the CDFW.

If the Biologist finds an active nest within or immediately adjacent to the construction area and determines that the nest may be impacted or breeding activities substantially disrupted, the Biologist shall delineate an appropriate buffer zone (at a minimum of 25 feet) around the nest depending on the sensitivity of the species and the nature of the construction activity. Any nest found during survey efforts shall be mapped on the construction plans. The active nest shall be protected until nesting activity has ended. To protect any nest site, the following restrictions to construction activities shall be required until nests are no longer active, as determined by a qualified Biologist: (1) disturbance limits shall be established within a buffer around any occupied nest (the buffer shall be 25–100 feet for nesting birds and 300–500 feet for nesting raptors), unless otherwise determined by a qualified Biologist and (2) access and surveying shall be restricted within the buffer of any occupied nest, unless otherwise determined by a qualified Biologist. Encroachment into the buffer area around a known nest shall only be allowed if the Biologist determines that the proposed activity

would not disturb the nest occupants. Construction can proceed when the qualified Biologist has determined that fledglings have left the nest, or the nest has failed).

**Cultural Resources: MM CUL-1 (Historical Resources.** A project-specific avoidance and protection plan shall be required as part of the proposed Project to prevent the Glenarm Power Plant Building and the Pacific Electric Railway Company (PERC) Substation No. 2 from being physically damaged during demolition and construction activities. The protection plan should include, but not be limited to, the establishment of environmentally sensitive areas, physical barriers, worker education training, pre-construction survey, post-construction survey, and monitoring for groundborne vibration (if appropriate). A qualified architectural historian or historic preservation professional meeting the Secretary of the Interior's Professional Qualifications Standards should be retained to prepare the avoidance and protection plan).

**MM CUL-2** (Prior to commencement of ground-disturbing activities, the City shall retain a qualified Archaeologist for on-call services in the event of a discovery of cultural resources (i.e., archaeological sites) below the ground surface. The Archaeologist shall be present at the pre-construction conference, and shall establish, in cooperation with the Contractor, procedures for temporarily halting or redirecting work to permit the sampling, identification, and evaluation of the artifacts. Should archaeological resources be found during ground-disturbing activities for the Project, the Archaeologist shall first determine whether it is a "unique archaeological resource" pursuant to the California Environmental Quality Act (CEQA, i.e., Section 21083.2[g] of the California Public Resources Code), a "historical resource" pursuant to Section 15064.5(a) of the State CEQA Guidelines. If the above-mentioned resources are found during ground-disturbing activities, the Archaeologist shall formulate a report and a mitigation plan in consultation with the City of Pasadena and tribal representatives that satisfies the requirements of the above-referenced sections. The report shall follow guidelines of the California Office of Historic Preservation, and s/he shall record the site and submit the recordation form to the City of Pasadena and the California Historic Resources Information System (CHRIS) at the South-Central Coastal Information Center (SCCIC) located at California State University, Fullerton. The disposition of the resources shall be subject to approval by the City. If resources are discovered, work may proceed in other areas of the site, subject to the direction of the Archaeologist).

**Geology and Soils: MM GEO-1** (Prior to commencement of ground-disturbing activities, the City shall retain a qualified Paleontologist for on-call services in the event of a discovery of paleontological resources below the ground surface. The Paleontologist shall be present at the pre-construction conference; and shall establish, in cooperation with the Contractor, procedures for temporarily halting or redirecting work to permit the sampling, identification, and evaluation of the paleontological resources. Should these resources be found during ground-disturbing activities for the Project, the Paleontologist shall first determine whether it is a "unique paleontological resource" pursuant to the California Environmental Quality Act (CEQA, i.e., Section 21083.2[g] of the California Public Resources Code), or a significant paleontologically sensitive rock formation. If the above-mentioned resources are found during ground-disturbing activities, the Paleontologist shall formulate a report and a mitigation plan in consultation with the City of Pasadena that satisfies the requirements of the above-referenced sections. The disposition of the resources shall be subject to approval by the City. If resources are discovered, work may proceed in other areas of the site, subject to the direction of the Paleontologist).

**Hazards and Hazardous Materials: MM HAZ-1** (At least 45 days prior to construction and delivery of the BESS components, an Emergency Response and Emergency Action Plan (EREAP) shall be prepared. The EREAP shall be prepared by the developer and/or operator in close coordination with the City of Pasadena Water and Power (PWP) and approved by the Pasadena Fire Department. The EREAP shall include, but not be limited to, the following Fire Safety Components, Emergency Response Procedures, and Emergency Evacuation Procedures:

**Fire Safety Components**

- BESS facility schematic drawings and technical specifications. The schematic drawings must identify the location of fire prevention, detection, and suppression features (if applicable). The technical specifications must include a description of the following:
  - o Description of the battery management system;
  - o Description of the flame detection system, including the location and type of detection system;
  - o Availability of water for firefighting and compliance with Fire Department requirements for flow and availability;and
  - o Fire suppression and/or other safety features/equipment located at the site.
- Guidelines for regular inspections of the BESS facility, including the frequency of inspections and the procedures for documentation and reporting of inspection findings. The inspection shall include the following:
  - o Visual inspection- Inspect for any obvious signs of wear and tear, such as corrosion, damaged wiring, or loose connections;
  - o Electrical System Evaluation- Inspect the integrity of the busbars, circuit breakers, and fuses. Test the system's grounding to ensure it meets safety standards;
  - o Battery Health Assessment- Inspect battery terminals for any signs of swelling, leaking, or corrosion. Monitor the batteries' state of charge and state of health. Inspect the battery management system for proper functionality;
  - o Thermal Management System Check- Inspect the cooling systems, including fans, heat exchangers, and coolant levels;
  - o Control System Verification- Verify that all control systems (software and hardware components) are

functioning correctly; and

- o Safety Systems Evaluation- Verify that all safety systems (fire suppression, emergency shut-off mechanisms, alarms) are fully operational.
- Type and placement of warning signs.
- Identification of emergency ingress and egress routes.
- Special safety measures to be implemented for battery installation and replacement, including disposal of replaced (discarded) equipment.
- Provisions and timing for updating the Plan to incorporate new or changed requirements.

#### Emergency Response Procedures

- Emergency contact information for the BESS system owner and BESS technology provider, including specific roles and associated responsibilities in an emergency.
- Procedures for safe shutdown, de-energizing, or isolation of equipment and systems under emergency situations to reduce the risk of fire, electric shock, and personal injuries, and for safe start-up following cessations of emergency conditions.
- Procedures to be followed in response to notifications of system alarms or out-of-range conditions that could signify potentially dangerous conditions, including shutting down equipment, summoning service or repair personnel, and providing agreed-upon notification to fire department personnel.
- Safety data sheet (SDS) that addresses response safety concerns and extinguishment
- Procedures for dealing with BESS equipment damaged in a fire or other emergency event, including contact information for personnel qualified to safely remove damaged ESS equipment from the facility.
- Other procedures as determined necessary by the Fire Department to provide for the safety of occupants, sensitive receptors, and emergency responders.
- Schedules for conducting drills of emergency procedures.

Emergency Evacuation Procedures. Emergency procedures to be followed in case of fire, explosion, release of liquids or vapors, damage to critical moving parts, or other potentially dangerous conditions include the following:

- Notification of local responders, BESS system owner, and BESS technology provider;
- Evacuation procedures for a minimum initial evacuation zone of 150 feet in the event of a thermal runaway and/or fire. The evacuation procedures shall include a list of all established uses within 150 feet that are included within this initial evacuation zone;
- Evacuation procedures for an emergency evacuation zone of 0.25 mile in the event of off-gassing. The evacuation procedures shall include a list of all established uses within 0.25 mile that are included within this emergency evacuation zone;
- Establishment of shelter-in-place orders; and
- Establishment of road closures and notifications.

PWP shall coordinate with the Pasadena Fire Department to communicate the Emergency Evacuation Procedures to schools, businesses, residents, and transportation agencies located within the 0.25-mile emergency evacuation zone. PWP shall make the Emergency Evacuation Procedures publicly available and shall inform the public on how to access these procedures).

MM HAZ-2 (In conformance with the recommendations contained in the proposed Project's Soil Management Plan (SMP), contained in Appendix E-5 of the IS/MND, recommendations shall include specifications for the following:

- Soil Excavation for Lead
- Soil Excavation for Total Petroleum Hydrocarbon Diesel Range Organics (TPH DRP)
- Soil Handling
- o Health and Safety
- o Training
- o Site Control
- o Excavation Procedures
- o Temporary Storage and Segregation
- o Decontamination Area
- o Dust Control
- Soil Characterization
- o Waste Characterization
- o Soil Confirmation Sample Collection Procedures
- Soil Reuse, Disposal, and Import
- o Onsite Soil Reuse
- o Soil Disposal
- o Backfill/Imported Fill Soil
- Notification, Documentation and Reporting
- o Notification
- o Documentation
- o Reporting

The SMP specifications shall be verified by Pasadena Water and Power prior to any earthwork conducted).

for the installation of lithium-ion battery systems. Adherence to NFPA 855 standards for installation will ensure that the BESS is designed and constructed in accordance with best practices and current industry safety standards at the cell, module, and rack levels to equip battery cells with the appropriate risk mitigation controls and fire barriers. The Project developer for the BESS must provide PWP with documentation that the final design of the BESS has been reviewed and approved by the Pasadena Fire Department prior to installation).

MM PS-2 (At least 30 days prior to construction and delivery of the BESS components, the City of Pasadena Water and Power (PWP) shall provide training to the Pasadena Fire Department and to any other emergency responders that may be identified by PWP. The training shall include, but not be limited to:

- Information on the range of hazards present;
- Assessment of conditions inside the BESS and surrounding facility;
- Training fire staff on the methodology for handling hazardous materials and associated fire suppression tactics.

The training must explicitly address explosion risks, indicating what gases may accumulate on site and how to detect and ventilate them;

- Training on specific steps to be taken to address hazardous conditions.

Additional trainings for new emergency response staff shall be provided upon request by the Pasadena Fire Department).

Tribal Cultural Resources: MM TCR-1 (Prior to the commencement of earthwork activities, the City shall provide written notification to the Native American representatives from the Gabrieleño Band of Mission Indians – Kizh Nation indicating the date and time of the commencement of earthwork activities. The representatives from the Gabrieleño Band of Mission Indians – Kizh Nation ("tribal representative") shall be provided reasonable access to the Project site in a manner that does not interfere with the earthwork activities. Tribal representatives, at their own expense, and in a manner that does not interfere with earthwork activities, shall be allowed to monitor subsurface ground disturbing construction activities below the ground surface. If any tribal cultural resources are identified during the monitoring and evidence is presented that the discovery proves to be potentially significant under CEQA, as determined by City's consulting Project Archaeologist, it will collaborate with the Gabrieleño Band of Mission Indians – Kizh Nation ("tribal representative") and determine the appropriate actions (i.e. design and plan) for explorations and/or recovery. The City shall bear the cost of the design and plan.)

MM TCR-2 (In accordance with Section 7050.5 of the California Health and Safety Code, if human remains are found within the Project site, the County Coroner shall be immediately notified of the discovery. No further excavation or disturbance of the site or any nearby area reasonably suspected to overlie adjacent remains, and no less than 150 feet from the discovery, shall occur until the County Coroner has determined, within two working days of notification of the discovery, the appropriate treatment and disposition of the human remains. To prevent any further disturbance, the remains shall be kept confidential and secure until treatment is complete. If the County Coroner determines that the remains are, or are believed to be, Native American, he or she shall contact, by telephone the Native American Heritage Commission (NAHC) in Sacramento within 24 hours, and California Public Resources Code (PRC), Section 5097.98 shall be followed. In accordance with PRC 5097.98, the NAHC must immediately notify those persons it believes to be the most likely descendant (MLD) of the deceased Native American. Funerary objects, called associated grave goods in PRC 5097.98, are also to be treated according to this statute. The MLD shall complete his/her inspection within 48 hours of being granted access to the site. The designated MLD shall then determine, in consultation with the property owner, the disposition of the human remains. It is then at the MLD's discretion which Tribal entities are consulted with regarding the treatment of human remains.)

Mandatory Findings of Significance MM BIO-1, MM CUL-1, MM CUL-2, MM GEO-1, MM HAZ-1, MM HAZ-2, MM PS-1, MM PS-2, MM TCR-1 and MM TCR-2.

*Revised September 2011*

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

N/A.

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

California Energy Commission (CEC)