

DOCKETED

Docket Number:	13-AFC-01
Project Title:	Alamitos Energy Center
TN #:	201914
Document Title:	Police Needs Assessment Letter to the Long Beach Police Department
Description:	N/A
Filer:	Lisa Worrall
Organization:	CEC/Lisa Worrall
Submitter Role:	Commission Staff
Submission Date:	3/25/2014 9:00:30 AM
Docketed Date:	3/25/2014

CALIFORNIA ENERGY COMMISSION

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SACRAMENTO, CA 95814-5512
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March 24, 2014

Commander Lisa Lopez
Chief of Staff
Long Beach Police Department
400 West Broadway
Long Beach, CA 90802

RE: Potential Law Enforcement Needs for the Proposed Alamitos Energy Center (AEC)
(13-AFC-01)

Dear Commander Lopez,

The Warren-Alquist Act (Public Resources Code § 25000 et. seq.) gives the California Energy Commission (Energy Commission) the exclusive jurisdiction over the permitting of thermal power plants with a net generating capacity of 50 megawatts or larger and appurtenant related facilities to serve it. As part of this jurisdiction, the Energy Commission must evaluate a project's conformance with the local, state, and federal laws, ordinances, regulations and standards.

The Energy Commission is considering an application from AES Southland Development, LLC. (applicant) to construct, own, and operate a power generation facility in the city of Long Beach, Los Angeles County, California. The Alamitos Energy Center (AEC or proposed project) is proposed on the site of the existing and operating AES Alamitos Generating Station (AGS) at 690 North Studebaker Road. The proposed project would replace the existing power plant with a natural gas-fired, combined-cycle, air-cooled, 1,936-megawatt (MW) (net) electrical generating facility (1,995-MW gross). The existing AGS power plant currently has six operating steam generating units (AGS units 1-6) and one retired unit (AGS unit 7). If approved by the Energy Commission, project demolition and construction would occur over a 139-month period (11.5 years), beginning in the first quarter of 2016 and concluding with project completion in the third quarter of 2027.

To assess impacts of the proposed project pertaining to law enforcement, Energy Commission staff requests information on existing law enforcement resources and services in the project area and the estimated need for additional services if the project is approved. A form is attached with data needs and questions highlighted (needs assessment form). Key characteristics of the applicant's proposed project that are considered applicable to law enforcement response needs assessment are briefly summarized below and on the attached form.

An average construction workforce of 146 individuals is expected over the 139-month demolition and construction period. During peak-construction, months 29 to 31 (May through July 2018), the construction workforce would total about 447 workers. The peak traffic generation period would occur during month 30 with an estimated 447 inbound

and 447 outbound (894 total) daily trips for the construction workers and an estimated 30 (15 trucks) daily truck trips. Truck deliveries of construction materials and equipment would generally be made on weekdays between 6:00 a.m. and 6:00 p.m. Peak truck deliveries would occur during month 56 (August 2020) and month 95 (November 2023) with 42 (21 trucks) daily truck trips. Construction parking would be provided on the project site.

The 51 full-time workers needed for project operation would be drawn from the 66 workers at the existing AGS, so no additional operational workers would be hired. Approximately 51 inbound and 51 outbound (102 total) daily trips would be generated by the workers during project operation and are assumed to occur during the morning and evening peak hour. Two truck deliveries (four trips) would be made per day and are assumed to occur during the morning peak hour, and 32 deliveries of hazardous materials would be made per month.

The Application for Certification (AFC) included site security details for project operations (described on the included form), but did not provide any details on site security for the project's demolition and construction period. As local law enforcement officials have expressed concerns about construction site security and increased project-related traffic on proposed projects similar to the AEC, an example of the conditions of certification that Energy Commission staff typically proposes on projects like the AEC, is included. These conditions of certification require the preparation of a Construction Site Security Plan and an Operation Security Plan to ensure site security, and require the preparation of a traffic control plan to address the movement of workers, vehicles, and materials, including arrival and departure schedules and designated workforce and delivery routes. Please consider these typical conditions of certification as you review the proposed project and complete the attached needs assessment form.

From staff's review of the AFC, staff understands the project site is within the jurisdiction of the city of Long Beach Police Department and the estimated response time to the project site in case of an emergency generally averages less than five minutes. The East Division substation at 4800 Los Coyotes Diagonal is the closest station to the project site with a distance of 3.5 miles. This substation and the police station at 400 Broadway, which serves as headquarters, are two of LBPD's four stations. The East Division has 108 sworn officers who respond to emergencies from the field. The police department shares jurisdiction with the California Highway Patrol (CHP) for portions of Pacific Coast Highway within the city of Long Beach. The CHP is the primary law enforcement agency for portions of Pacific Coast Highway outside of the city of Long Beach, including other state highways and roads.

The project applicant's entire AFC is available on the Energy Commission's website at: <https://efiling.energy.ca.gov/Lists/DocketLog.aspx?docketnumber=13-AFC-01>. Section 5.10 Socioeconomics would be the most pertinent section to review, as well as Section 5.12 Traffic and Transportation and Section 5.5 Hazardous Materials Handling.

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Please provide your responses to the needs assessment form and include any comments you may have regarding law enforcement services for the proposed project by April 14, 2014. If helpful, I can send an electronic copy of the needs assessment form. Send your responses to my attention, and if you have any questions about this request, please contact me via email at lisa.worrall@energy.ca.gov or telephone at 916-654-4545. Thank you in advance for your time and assistance.

Sincerely,

Original signed by

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Enclosures:

Local Law Enforcement Needs Assessment Form
Map showing the approximate location of the project site (from the AFC)
Typical Hazardous Materials Conditions of Certification
Typical Traffic and Transportation Condition of Certification

Law Enforcement Needs Assessment Form	
Project Characteristics, as Proposed by the Project Applicant	
Type, Location, Size, and Site Access:	Power generating facility proposed on the site of the existing and operating AES Alamitos Generating Station (640 North Studebaker Road) in the city of Long Beach, California. Primary access to the site would be through the existing entrance off North Studebaker Road, north of the intersection of Westminster Avenue and North Studebaker Road.
Estimated Schedule:	If approved, demolition and construction would begin in the first quarter of 2016 and conclude in third quarter of 2027 (139 months). See Table 5-10B-1, in Appendix 5.10B, for a list of the project demolition and construction workforce and schedule.
Construction (Traffic and Work Force):	There would be an average construction workforce of 146 individuals over the 139-month demolition and construction period. During peak-construction months 29 to 31 (May through July 2018), the construction workforce would total about 447 workers. The peak traffic generation period would occur during month 30 with an estimated 447 inbound and 447 outbound (894 total) daily trips for the construction workers and an estimated 30 (15 trucks) daily truck trips. Truck deliveries of construction materials and equipment would generally be made on weekdays between 6:00 a.m. and 6:00 p.m. Peak truck deliveries would occur during month 56 (August 2020) and month 95 (November 2023) with 42 (21 trucks) daily truck trips. Construction parking would be provided on the project site.
Operation (Staff and Traffic):	The 51 full-time workers needed for the project would be drawn from the existing 66 workers at the Alamitos Generating Station, so no additional operational workers would be hired. Approximately 51 inbound and 51 outbound (102 total) daily trips would be generated by the workers during project operation and are assumed to occur during the morning and evening peak hour. Two truck deliveries (four trips) would be made per day and are assumed to occur during the morning peak hour, and 32 deliveries of hazardous materials would be made per month.
Security:	No security information for project construction was provided in the AFC. An example of two typical site security Conditions of Certification that are applied to projects like the AEC have been included for consideration. Security information for project operations was provided by the applicant and would include site fencing and security gate; evacuation procedures; a protocol for contacting law enforcement in the event of conduct endangering the facility, its employees, its contractors, or the public and a fire alarm monitoring system. Also included are measures to conduct background checks on site personnel (including employee and routine onsite contractors) consistent with state and federal law regarding security and privacy, and a site access protocol for vendors. A protocol for hazardous materials vendors to prepare and implement security plans to ensure that all hazardous materials drivers comply with personnel background security checks would be included in the security plan. A demonstration that the perimeter security measures are adequate would be included with one or more of the following: security guards, security alarm for critical structures, perimeter breach detectors and onsite motion detectors, and a video or still camera monitoring system.
Existing Law Enforcement Resources and Services in the Project Area (attach additional paper if more room is needed to answer questions)	
Names and addresses of the facilities (e.g., police substations) serving the project area, and distance of closest dispatch facility to the project site:	
Adopted or desired service standard (e.g., one sworn officer per 1,000 population) applicable to the project site:	
Existing staffing levels for facilities serving the project area (including sworn officers and civilians, totals and per shift):	
Estimated response times to the project site: Priority calls: Non-Priority calls:	

Law Enforcement Needs Assessment Form	
Current needs (e.g., facilities and staff) to maintain or meet existing service levels:	
Additional needs beyond those identified above to maintain or meet existing service levels with the project:	
Exchange of general law enforcement responsibilities (e.g., formal and/or informal agreements with local municipalities for provision of services) in the project area:	
Current inventory of specialized equipment (e.g., helicopters or other aircraft):	
Estimated Need for Law Enforcement Services, Equipment, and Facilities (attach additional paper if more room is needed to answer questions)	
Is there a process or formula used by your department to determine the need for additional law enforcement services to serve a new large-scale power plant? Please explain.	
Could the project trigger a need for additional law enforcement services for on-site crimes against persons, theft of materials, and/or vandalism? Please explain. During project construction: During project operation:	
Could increased project-related traffic affect circulation and access on roads near the project site to the extent that an impact to emergency response times might occur? Please explain. During project construction: During project operation:	
Do law enforcement personnel review development site plans for projects to assess potential law enforcement issues (e.g., lighting and other safety factors)? Please explain.	
Are specific measures recommended to reduce the potential for crimes to occur at or near the project site (e.g., specific types of security fencing)? Please explain.	
Please explain any other law enforcement concerns that have not been addressed by this needs assessment form.	
Person Completing This Needs Assessment Form	
Name:	
Title/Position:	
Telephone No:	
E-mail Address:	



Legend

- Project Boundary
- Parking/Laydown Construction Area
- Proposed New Process/
Sanitary Wastewater Pipeline to First Point of Interconnection

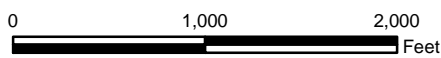


FIGURE 2.1-1
Site Location Map
 Alamos Energy Center
 Long Beach, California

Typical Hazardous Materials Conditions of Certification

HAZ-7 Prior to commencing construction, a site-specific Construction Site Security Plan for the construction phase shall be prepared and made available to the CPM for review and approval. The Construction Security Plan shall include the following:

1. perimeter security consisting of fencing enclosing the construction area;
2. security guards;
3. site access control consisting of a check-in procedure or tag system for construction personnel and visitors;
4. written standard procedures for employees, contractors and vendors when encountering suspicious objects or packages on site or off site;
5. protocol for contacting law enforcement and the CPM in the event of suspicious activity or emergency; and,
6. evacuation procedures.

Verification: At least thirty (30) days prior to commencing construction, the project owner shall notify the CPM that a site-specific Construction Security Plan is available for review and approval.

HAZ-8 The project owner shall also prepare a site-specific security plan for the commissioning and operational phases that will be available to the CPM for review and approval. The project owner shall implement site security measures that address physical site security and hazardous materials storage. The level of security to be implemented shall not be less than that described below (as per NERC 2002).

The Operation Security Plan shall include the following:

1. permanent full perimeter fence or wall, at least eight feet high and topped with barbed wire or the equivalent (and with slats or other methods to restrict visibility if a fence is selected);
 2. main entrance security gate, either hand operated or motorized;
 3. evacuation procedures;
 4. protocol for contacting law enforcement and the CPM in the event of suspicious activity or emergency;
 5. written standard procedures for employees, contractors, and vendors when encountering suspicious objects or packages on site or off site;
- A. a statement (refer to sample, **Attachment A**), signed by the project owner certifying that background investigations have been conducted on all project personnel. Background investigations shall be restricted to determine the accuracy of employee identity and employment history and shall be conducted in accordance with state and federal laws regarding security and privacy;
- B. a statement(s) (refer to sample, **Attachment B**), signed by the contractor or authorized representative(s) for any permanent contractors or other technical

contractors (as determined by the CPM after consultation with the project owner), that are present at any time on the site to repair, maintain, investigate, or conduct any other technical duties involving critical components (as determined by the CPM after consultation with the project owner) certifying that background investigations have been conducted on contractors who visit the project site;

6. site access controls for employees, contractors, vendors, and visitors;

7. a statement(s) (refer to sample, **Attachment C**), signed by the owners or authorized representative of hazardous materials transport vendors, certifying that they have prepared and implemented security plans in compliance with 49 CFR 172.880, and that they have conducted employee background investigations in accordance with 49 CFR Part 1572, subparts A and B;

8. closed circuit TV (CCTV) monitoring system, recordable, and viewable in the power plant control room and security station (if separate from the control room) with cameras able to pan, tilt, and zoom, have low-light capability, and are able to view 100% of the perimeter fence, the ammonia storage tank, the outside entrance to the control room, and the front gate; and,

9. additional measures to ensure adequate perimeter security consisting of either:

- A. security guard(s) present 24 hours per day, 7 days per week; **or**
- B. power plant personnel on site 24 hours per day, 7 days per week, and perimeter breach detectors **or** on-site motion detectors.

The project owner shall fully implement the security plans and obtain CPM approval of any substantive modifications to those security plans. The CPM may authorize modifications to these measures, or may require additional measures such as protective barriers for critical power plant components—transformers, gas lines, and compressors—depending upon circumstances unique to the facility or in response to industry-related standards, security concerns, or additional guidance provided by the U.S. Department of Homeland Security, the U.S. Department of Energy, or the North American Electrical Reliability Council, after consultation with both appropriate law enforcement agencies and the applicant.

Verification: At least thirty (30) days prior to the initial receipt of hazardous materials on site, the project owner shall notify the CPM that a site-specific operations site security plan is available for review and approval. In the annual compliance report, the project owner shall include a statement that all current project employee and appropriate contractor background investigations have been performed, and that updated certification statements have been appended to the operations security plan. In the annual compliance report, the project owner shall include a statement that the operations security plan includes all current hazardous materials transport vendor certifications for security plans and employee background investigations.

Typical Traffic and Transportation Condition of Certification for Traffic Control Plan (From Huntington Beach Energy Project 12-AFC-02)

TRANS-3 Traffic Control Plan, Heavy Hauling Plan, and Parking/Staging Plan

The project owner shall prepare and implement a Traffic Control Plan (TCP) for the HBEP's construction and operations traffic. The TCP shall address the movement of workers, vehicles, and materials, including arrival and departure schedules and designated workforce and delivery routes. The project owner shall consult with Caltrans, the city of Huntington Beach and other applicable local jurisdictions in the preparation and implementation of the Traffic Control Plan (TCP). The project owner shall submit the proposed TCP to Caltrans and applicable local jurisdictions in sufficient time for review and comment, and to the Energy Commission Compliance Project Manager (CPM) for review and approval prior to the proposed start of construction and implementation of the plan. The Traffic Control Plan (TCP) shall include:

- Provisions for redirection of construction traffic with a flag person as necessary to ensure traffic safety and minimize interruptions to non-construction related traffic flow,
- Placement of necessary signage, lighting, and traffic control devices at the project construction site and lay-down areas;
- A heavy-haul plan addressing the transport and delivery of heavy and oversized loads requiring permits from the California Department of Transportation (Caltrans), other state or federal agencies, and/or the affected local jurisdictions including Los Angeles county, Orange county, city of Long Beach, city of Seal Beach, and city of Huntington Beach;
- Location and details of construction along affected roadways at night, where permitted;
- Temporary closure of travel lanes or disruptions to street segments and intersections during construction activities;
- Traffic diversion plans (in coordination with the city of Huntington Beach and Orange County) to ensure access during temporary lane/road closures;
- Access to residential and/or commercial property located near construction work and truck traffic routes;
- Insurance of access for emergency vehicles to the project site;
- Advance notification to residents, businesses, emergency providers, and hospitals that would be affected when roads may be partially or completely closed;
- Identification of safety procedures for exiting and entering the site access gate;
- Parking/Staging Plan for all phases of project construction and operation to require all project-related parking to be on-site or in designated off-site parking areas.

Verification: At least 60 calendar days prior to the start of construction, the project owner shall submit the TCP to the applicable agencies for review and comment and to the CPM for review and approval. The project owner shall also provide the CPM with a copy of the transmittal letter to the agencies requesting review and comment.

At least 30 calendar days prior to the start of construction, the project owner shall provide copies of any comment letters received from the agencies, along with any changes to the proposed development plan, to the CPM for review and approval.