

DOCKETED

Docket Number:	13-AFC-01
Project Title:	Alamitos Energy Center
TN #:	202443
Document Title:	CEC letters to Native Americans
Description:	Energy Commission letters to Native Americans identified by the Native American Heritage commission as having a potential interest in the project. Maps are included.
Filer:	Matthew Braun
Organization:	California Energy Commission
Submitter Role:	Public Agency
Submission Date:	6/10/2014 11:15:06 AM
Docketed Date:	6/10/2014

CALIFORNIA ENERGY COMMISSION

1516 NINTH STREET
SACRAMENTO, CA 95814-5512
www.energy.ca.gov



April 1, 2014

Honorable Andrew Salas, Chairperson
Gabrieleno Band of Mission Indians
P.O. Box 393
Covina, CA 91723

RE: Alamos Energy Center (13-AFC-01) - Invitation to Participate in California Energy Commission/Tribal Consultation

Dear Chairperson Salas,

Your name was provided to the California Energy Commission (Energy Commission) by the Native American Heritage Commission in a letter dated March 1, 2014, as a representative of a Native American community who might be interested in the proposed demolition and replacement of a power plant and related facilities in Los Angeles County. The proposed project is located on privately owned land within the City of Long Beach and will be located entirely within the 63 acre footprint of the existing Alamos Generating System (AGS), an operating power plant (see attached regional location and site maps). This letter provides general information concerning the current project design, includes attached exhibits depicting the vicinity and project site location, and invites you to participate in Energy Commission consultations with affiliated tribes, Native American organizations, and communities.

The Energy Commission has jurisdiction over the proposed project and has received an application to demolish and replace the power plant and related facilities. The Energy Commission will be analyzing this proposed project in coordination with other state and federal agencies, including the California Coastal Commission.

On December 27, 2013, AES Southland Development, LLC (AES-SD) submitted an Application for Certification (AFC) to the California Energy Commission to replace the existing Alamos Generating Station (AGS). On March 12, 2014, the Energy Commission accepted the AFC as data adequate which began the 12-month review process.

ALAMITOS PROJECT DESCRIPTION

The AEC is a proposed natural gas-fired, fast starting, combined-cycle gas-turbine, air-cooled generating facility with a net generating capacity of 1,936 megawatts (MW) and gross generating capacity of 1,995 MW. The project would consist of four 3-on-1 combined-cycle gas-turbine power blocks of twelve natural gas-fired combustion-turbine generators (CTGs), twelve heat recovery steam generators (HRSGs), four steam-turbine generators, four air-cooled condensers, and related ancillary equipment.

The AEC is proposed to use air-cooled condensers for cooling, completely eliminating the existing ocean water once-through cooling system. The AEC is proposed to use potable water provided by the city of Long Beach Water Department (LBWD) for construction, operational process, and sanitary uses. This water would be supplied through existing onsite potable water lines.

The AEC would interconnect to the existing Southern California Edison 230-kilovolt (kV) switchyard adjacent to the northern side of the property. Natural gas would be supplied to the AEC via the existing offsite 30-inch-diameter, high-pressure pipeline owned and operated by SoCalGas that currently serves the AGS. Natural gas compressors, water treatment facilities, emergency services, and administration and maintenance buildings would be constructed within the existing site footprint. Storm water would be discharged into two retention basins and then ultimately to the San Gabriel River via existing storm water outfalls.

The AEC would include a new 1,000 linear foot process/sanitary wastewater pipeline to the first point of interconnection with the existing LBWD sewer system and would eliminate the current practice of treatment and discharge of process/sanitary wastewater to the San Gabriel River. Therefore, this possible offsite project-related improvement to the LBWD system will require analysis during the Energy Commission certification process.

The AEC would include the following principal design elements:

- twelve Mitsubishi Power Systems America 501DA CTGs with a nominal rating of approximately 119 MW each. The CTGs would be equipped with evaporative coolers on the inlet air system and dry low oxides of nitrogen (NO_x) combustors;
- twelve HRSGs. Each HRSG would be equipped with a selective catalytic reduction unit in the outlet ductwork for the control of NO_x emissions and an oxidation catalyst to control carbon monoxide and volatile organic compound emissions;
- four single-cylinder steam-turbine generators with a nominal rating of approximately 143 MW each;
- four air-cooled condensers and four closed-loop cooling fin fan coolers;
- four 230-kV interconnections to the existing SCE switchyard, which is adjacent to the site;
- direct connection to an existing SoCalGas 30-inch-diameter natural gas pipeline;
- demolition of AGS Units 1–6 and retired AGS Unit 7;
- demolition of ancillary facilities and selected existing warehouses;
- connection to existing onsite potable water line; and
- recontouring of two existing retention basins and the existing outfalls to the San Gabriel River.

ALAMITOS DEMOLITION AND CONSTRUCTION SCHEDULE

If the AEC AFC is approved by the Energy Commission, demolition of AGS, and construction activities at the project site are anticipated to last 139 months, from the first quarter of 2016 to the third quarter of 2027.

The construction plan is based on a single shift composed of a 10-hour workday, Monday through Friday, and an 8-hour shift on Saturdays. There will be an average and peak workforce of approximately 146 and 447, respectively, comprising construction and demolition workers, heavy equipment operators, support, and construction management personnel on site.

Over the coming months, the Energy Commission will be holding a number of public workshops and hearings on the proposal to determine whether the proposed project should be approved for construction and operation and under what set of conditions. These workshops and hearings will provide the public and Native American entities, as well as local, state and federal agencies, the opportunity to ask questions about, and provide input on, the proposed project. The Energy Commission will issue notices for these workshops and hearings at least 10 days prior to the meeting.

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The Energy Commission staff welcomes your comments or questions. If you have concerns regarding impacts of the AEC project, please contact Thomas Gates at (916) 654-5008; Fax: (916) 651-8868; or thomas.gates@energy.ca.gov.

Sincerely,

Roger E. Johnson e-signature

ROGER E. JOHNSON
Deputy Director
Siting, Transmission
and Environmental Protection Division

Energy Commission Tribal Liaison

Enclosures: Regional Location Map
Site Map

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April 1, 2014

Honorable Anthony Morales, Chairperson
Gabrieleno/Tongva San Gabriel Band of Mission
P.O. Box 693
San Gabriel, CA 91778

RE: Alamitos Energy Center (13-AFC-01) - Invitation to Participate in California Energy Commission/Tribal Consultation

Dear Chairperson Morales,

Your name was provided to the California Energy Commission (Energy Commission) by the Native American Heritage Commission in a letter dated March 1, 2014, as a representative of a Native American community who might be interested in the proposed demolition and replacement of a power plant and related facilities in Los Angeles County. The proposed project is located on privately owned land within the City of Long Beach and will be located entirely within the 63 acre footprint of the existing Alamitos Generating System (AGS), an operating power plant (see attached regional location and site maps). This letter provides general information concerning the current project design, includes attached exhibits depicting the vicinity and project site location, and invites you to participate in Energy Commission consultations with affiliated tribes, Native American organizations, and communities.

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The AEC is proposed to use air-cooled condensers for cooling, completely eliminating the existing ocean water once-through cooling system. The AEC is proposed to use potable water provided by the city of Long Beach Water Department (LBWD) for construction, operational process, and sanitary uses. This water would be supplied through existing onsite potable water lines.

The AEC would interconnect to the existing Southern California Edison 230-kilovolt (kV)

switchyard adjacent to the northern side of the property. Natural gas would be supplied to the AEC via the existing offsite 30-inch-diameter, high-pressure pipeline owned and operated by SoCalGas that currently serves the AGS. Natural gas compressors, water treatment facilities, emergency services, and administration and maintenance buildings would be constructed within the existing site footprint. Storm water would be discharged into two retention basins and then ultimately to the San Gabriel River via existing storm water outfalls.

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The AEC would include the following principal design elements:

- twelve Mitsubishi Power Systems America 501DA CTGs with a nominal rating of approximately 119 MW each. The CTGs would be equipped with evaporative coolers on the inlet air system and dry low oxides of nitrogen (NO_x) combustors;
- twelve HRSGs. Each HRSG would be equipped with a selective catalytic reduction unit in the outlet ductwork for the control of NO_x emissions and an oxidation catalyst to control carbon monoxide and volatile organic compound emissions;
- four single-cylinder steam-turbine generators with a nominal rating of approximately 143 MW each;
- four air-cooled condensers and four closed-loop cooling fin fan coolers;
- four 230-kV interconnections to the existing SCE switchyard, which is adjacent to the site;
- direct connection to an existing SoCalGas 30-inch-diameter natural gas pipeline;
- demolition of AGS Units 1–6 and retired AGS Unit 7;
- demolition of ancillary facilities and selected existing warehouses;
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Sincerely,

Roger E. Johnson e-signature

ROGER E. JOHNSON
Deputy Director
Siting, Transmission
and Environmental Protection Division

Energy Commission Tribal Liaison

Enclosures: Regional Location Map
Site Map

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April 1, 2014

Honorable Bernie Acuna, Co-Chairperson
Gabrielino-Tongva Tribe
P.O. Box 180
Bonsall, CA 92003

RE: Alamitos Energy Center (13-AFC-01) - Invitation to Participate in California Energy Commission/Tribal Consultation

Dear Co-Chairperson Acuna,

Your name was provided to the California Energy Commission (Energy Commission) by the Native American Heritage Commission in a letter dated March 1, 2014, as a representative of a Native American community who might be interested in the proposed demolition and replacement of a power plant and related facilities in Los Angeles County. The proposed project is located on privately owned land within the City of Long Beach and will be located entirely within the 63 acre footprint of the existing Alamitos Generating System (AGS), an operating power plant (see attached regional location and site maps). This letter provides general information concerning the current project design, includes attached exhibits depicting the vicinity and project site location, and invites you to participate in Energy Commission consultations with affiliated tribes, Native American organizations, and communities.

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Sincerely,

Roger E. Johnson e-signature

ROGER E. JOHNSON
Deputy Director
Siting, Transmission
and Environmental Protection Division

Energy Commission Tribal Liaison

Enclosures: Regional Location Map
Site Map

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1516 NINTH STREET
SACRAMENTO, CA 95814-5512
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April 1, 2014

Honorable Cindi M. Alvitre, Chairwoman-Manisar
Ti'At Society/Inter-Tribal Council of Pimu
3094 Mace Avenue, Apt. B
Costa Mesa, CA 92626

RE: Alamos Energy Center (13-AFC-01) - Invitation to Participate in California Energy Commission/Tribal Consultation

Dear Chairwoman Alvitre,

Your name was provided to the California Energy Commission (Energy Commission) by the Native American Heritage Commission in a letter dated March 1, 2014, as a representative of a Native American community who might be interested in the proposed demolition and replacement of a power plant and related facilities in Los Angeles County. The proposed project is located on privately owned land within the City of Long Beach and will be located entirely within the 63 acre footprint of the existing Alamos Generating System (AGS), an operating power plant (see attached regional location and site maps). This letter provides general information concerning the current project design, includes attached exhibits depicting the vicinity and project site location, and invites you to participate in Energy Commission consultations with affiliated tribes, Native American organizations, and communities.

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April 1, 2014

Honorable Linda Candelaria, Co-Chairperson
Gabrielino-Tongva Tribe
P.O. Box 180
Bonsall, CA 92003

RE: Alamos Energy Center (13-AFC-01) - Invitation to Participate in California Energy Commission/Tribal Consultation

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Sincerely,

Roger E. Johnson e-signature

ROGER E. JOHNSON
Deputy Director
Siting, Transmission
and Environmental Protection Division

Energy Commission Tribal Liaison

Enclosures: Regional Location Map
Site Map

CALIFORNIA ENERGY COMMISSION

1516 NINTH STREET
SACRAMENTO, CA 95814-5512
www.energy.ca.gov



April 1, 2014

Ron Andrade, Director
LA City/ County Native American Indian Commission
3175 West 6th Street Room 403
Los Angeles, CA 90020

RE: Alamos Energy Center (13-AFC-01) - Invitation to Participate in California Energy Commission/Tribal Consultation

Dear Director Andrade,

Your name was provided to the California Energy Commission (Energy Commission) by the Native American Heritage Commission in a letter dated March 1, 2014, as a representative of a Native American community who might be interested in the proposed demolition and replacement of a power plant and related facilities in Los Angeles County. The proposed project is located on privately owned land within the City of Long Beach and will be located entirely within the 63 acre footprint of the existing Alamos Generating System (AGS), an operating power plant (see attached regional location and site maps). This letter provides general information concerning the current project design, includes attached exhibits depicting the vicinity and project site location, and invites you to participate in Energy Commission consultations with affiliated tribes, Native American organizations, and communities.

The Energy Commission has jurisdiction over the proposed project and has received an application to demolish and replace the power plant and related facilities. The Energy Commission will be analyzing this proposed project in coordination with other state and federal agencies, including the California Coastal Commission.

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ALAMITOS PROJECT DESCRIPTION

The AEC is a proposed natural gas-fired, fast starting, combined-cycle gas-turbine, air-cooled generating facility with a net generating capacity of 1,936 megawatts (MW) and gross generating capacity of 1,995 MW. The project would consist of four 3-on-1 combined-cycle gas-turbine power blocks of twelve natural gas-fired combustion-turbine generators (CTGs), twelve heat recovery steam generators (HRSGs), four steam-turbine generators, four air-cooled condensers, and related ancillary equipment. The AEC is proposed to use air-cooled condensers for cooling, completely eliminating the existing ocean water once-through cooling system.

The AEC is proposed to use potable water provided by the city of Long Beach Water Department (LBWD) for construction, operational process, and sanitary uses. This water would be supplied through existing onsite potable water lines.

The AEC would interconnect to the existing Southern California Edison 230-kilovolt (kV) switchyard adjacent to the northern side of the property. Natural gas would be supplied to the AEC via the existing offsite 30-inch-diameter, high-pressure pipeline owned and operated by SoCalGas that currently serves the AGS. Natural gas compressors, water treatment facilities, emergency services, and administration and maintenance buildings would be constructed within the existing site footprint. Storm water would be discharged into two retention basins and then ultimately to the San Gabriel River via existing storm water outfalls.

The AEC would include a new 1,000 linear foot process/sanitary wastewater pipeline to the first point of interconnection with the existing LBWD sewer system and would eliminate the current practice of treatment and discharge of process/sanitary wastewater to the San Gabriel River. Therefore, this possible offsite project-related improvement to the LBWD system will require analysis during the Energy Commission certification process.

The AEC would include the following principal design elements:

- twelve Mitsubishi Power Systems America 501DA CTGs with a nominal rating of approximately 119 MW each. The CTGs would be equipped with evaporative coolers on the inlet air system and dry low oxides of nitrogen (NO_x) combustors;
- twelve HRSGs. Each HRSG would be equipped with a selective catalytic reduction unit in the outlet ductwork for the control of NO_x emissions and an oxidation catalyst to control carbon monoxide and volatile organic compound emissions;
- four single-cylinder steam-turbine generators with a nominal rating of approximately 143 MW each;
- four air-cooled condensers and four closed-loop cooling fin fan coolers;
- four 230-kV interconnections to the existing SCE switchyard, which is adjacent to the site;
- direct connection to an existing SoCalGas 30-inch-diameter natural gas pipeline;
- demolition of AGS Units 1–6 and retired AGS Unit 7;
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Roger E. Johnson e-signature

ROGER E. JOHNSON
Deputy Director
Siting, Transmission
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April 1, 2014

Honorable Sandonne Goad, Chairperson
Gabrielino-Tongva Nation
P.O. Box 86908
Los Angeles, CA 90086

RE: Alamos Energy Center (13-AFC-01) - Invitation to Participate in California Energy Commission/Tribal Consultation

Dear Chairperson Goad,

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The AEC is proposed to use potable water provided by the city of Long Beach Water Department (LBWD) for construction, operational process, and sanitary uses. This water would be supplied through existing onsite potable water lines.

The AEC would interconnect to the existing Southern California Edison 230-kilovolt (kV) switchyard adjacent to the northern side of the property. Natural gas would be supplied to the AEC via the existing offsite 30-inch-diameter, high-pressure pipeline owned and operated by SoCalGas that currently serves the AGS. Natural gas compressors, water treatment facilities, emergency services, and administration and maintenance buildings would be constructed within the existing site footprint. Storm water would be discharged into two retention basins and then ultimately to the San Gabriel River via existing storm water outfalls.

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The AEC would include the following principal design elements:

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- twelve HRSGs. Each HRSG would be equipped with a selective catalytic reduction unit in the outlet ductwork for the control of NO_x emissions and an oxidation catalyst to control carbon monoxide and volatile organic compound emissions;
- four single-cylinder steam-turbine generators with a nominal rating of approximately 143 MW each;
- four air-cooled condensers and four closed-loop cooling fin fan coolers;
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- direct connection to an existing SoCalGas 30-inch-diameter natural gas pipeline;
- demolition of AGS Units 1–6 and retired AGS Unit 7;
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Site Map

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April 1, 2014

Robert F. Dorame, Tribal Chair/Cultural Resources
Gabrielino Tongva Indians of California Tribal Council
P.O. Box 490
Bellflower, CA 90707

RE: Alamos Energy Center (13-AFC-01) - Invitation to Participate in California Energy Commission/Tribal Consultation

Dear Tribal Chair Dorame,

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ROGER E. JOHNSON
Deputy Director
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Energy Commission Tribal Liaison

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April 1, 2014

Conrad Acuna
Gabrielino-Tongva Tribe
P.O. Box 180
Bonsall, CA 92003

RE: Alamos Energy Center (13-AFC-01) - Invitation to Participate in California Energy Commission/Tribal Consultation

Dear Mr. Acuna,

Your name was provided to the California Energy Commission (Energy Commission) by the Native American Heritage Commission in a letter dated March 1, 2014, as a representative of a Native American community who might be interested in the proposed demolition and replacement of a power plant and related facilities in Los Angeles County. The proposed project is located on privately owned land within the City of Long Beach and will be located entirely within the 63 acre footprint of the existing Alamos Generating System (AGS), an operating power plant (see attached regional location and site maps). This letter provides general information concerning the current project design, includes attached exhibits depicting the vicinity and project site location, and invites you to participate in Energy Commission consultations with affiliated tribes, Native American organizations, and communities.

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April 1, 2014

Sam Dunlap, Cultural Resources Director
Gabrielino-Tongva Nation
P.O. Box 86908
Los Angeles, CA 90086

RE: Alamos Energy Center (13-AFC-01) - Invitation to Participate in California Energy Commission/Tribal Consultation

Dear Director Dunlap,

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Over the coming months, the Energy Commission will be holding a number of public workshops and hearings on the proposal to determine whether the proposed project should be approved for construction and operation and under what set of conditions. These workshops and hearings will provide the public and Native American entities, as well as local, state and federal agencies, the opportunity to ask questions about, and provide input on, the proposed project. The Energy Commission will issue notices for these workshops and hearings at least 10 days prior to the meeting.

If you would like to be notified by e-mail whenever a public meeting is scheduled or a document is posted to the project website, you may sign up for the project list serve on the main web page listed below. Public notices can also be sent to you by mail at your request. Should you request, Energy Commission staff will arrange for a separate tribal consultation meeting to discuss issues that you may wish to hold in confidence from the general public.

To view a copy of the AFC (13-AFC-01) and find more information about the project and proceedings, please visit the project website: <http://www.energy.ca.gov/sitingcases/alamitos/>

The Energy Commission staff welcomes your comments or questions. If you have concerns regarding impacts of the AEC project, please contact Thomas Gates at (916) 654-5008; Fax: (916) 651-8868; or thomas.gates@energy.ca.gov.

Sincerely,

Roger E. Johnson e-signature

ROGER E. JOHNSON
Deputy Director
Siting, Transmission
and Environmental Protection Division

Energy Commission Tribal Liaison

Enclosures: Regional Location Map
Site Map



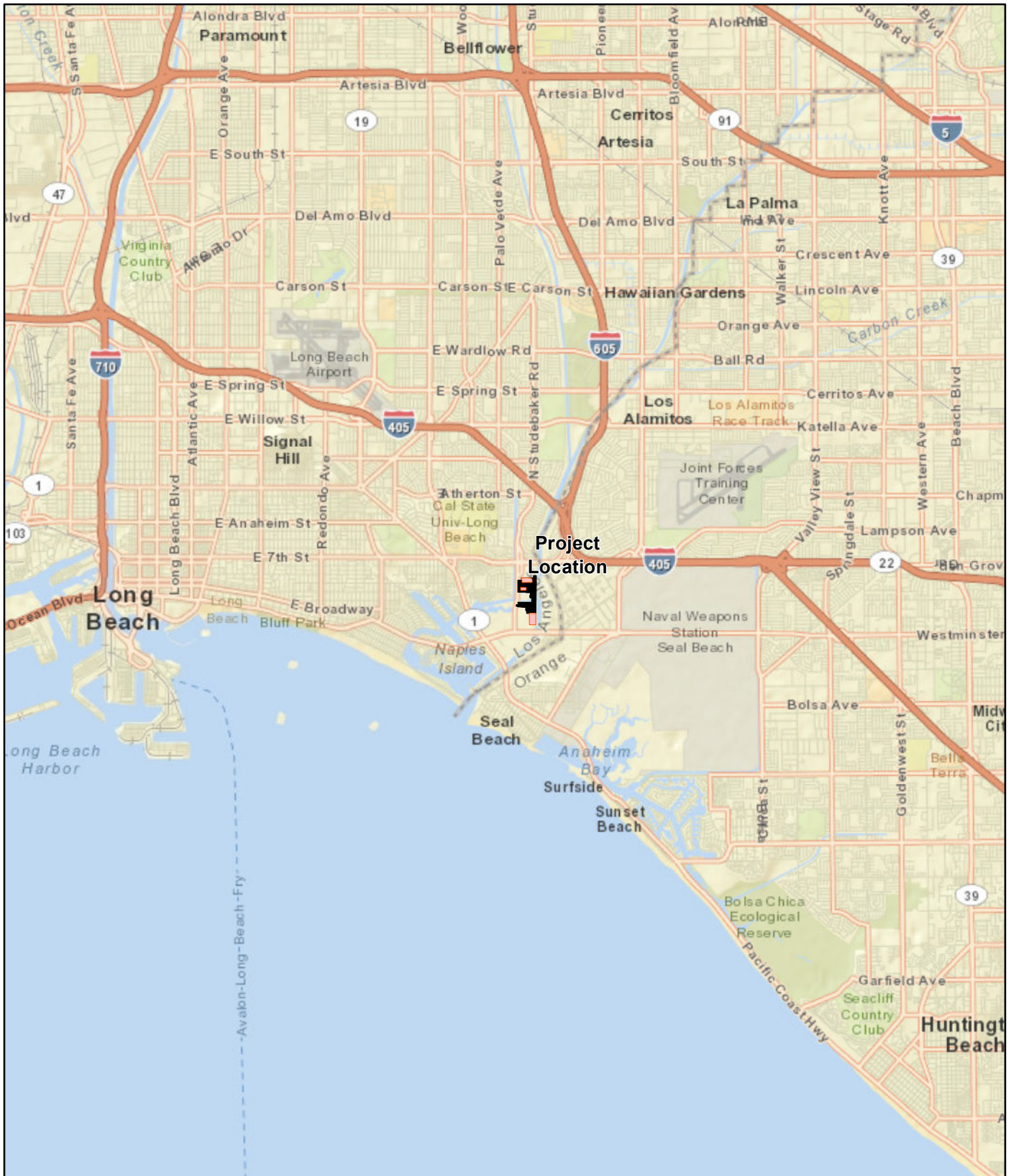
Legend

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

0 1,000 2,000
 Feet



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



Legend

- Project Boundary
- Parking/Laydown Construction Area

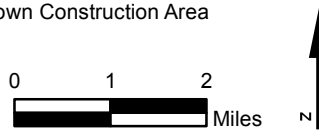


FIGURE 1.1-2
Regional Location Map
 Alamos Energy Center
 Long Beach, California