

**PETITION FOR CHANGE OF THE PROJECT DESCRIPTION IN THE FINAL
DECISION TO BUILD A NEW GANTRY CRANE FOR STEAM TURBINE
MAINTENANCE
PALOMAR ENERGY CENTER
(O1-AFC-24C)**

DOCKET	
01-AFC-24C	
DATE	<u>Dec. 29 2011</u>
RECD.	<u>Dec. 29 2011</u>

By:

**SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA**

Submitted to:

CALIFORNIA ENERGY COMMISSION

December 29, 2011

**PETITION FOR CHANGE OF THE PROJECT DESCRIPTION IN THE FINAL
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1.0 INTRODUCTION

San Diego Gas & Electric Company (SDG&E) is filing this petition for a proposed amendment of the project design as described in the Final Decision for the Palomar Energy Center (PEC), Docket 01-AFC-24 pursuant to 20 Cal. Code Regs. Section 1769(a)(1). San Diego Gas & Electric (SDG&E or "the applicant") is proposing to build a new gantry crane over the steam turbine. The new gantry crane will be used during steam turbine overhauls and general maintenance for equipment adjacent to the turbine. No changes in Conditions of Certification are necessary.

2.0 DESCRIPTION OF PROPOSED MODIFICATION (Sec. 1769(a)(1)(A))

Further details of the proposed facilities are as follows:

New Gantry Crane for Steam Turbine overhauls and general maintenance of surrounding equipment. SDG&E is proposing to build a new gantry crane over the steam turbine to be used for heavy lifting during turbine overhauls. The crane will also be utilized for general maintenance for equipment adjacent to the turbine. The crane will consist of two hoists, one with an 80 ton capacity and the other with a 20 ton capacity. Both cranes are located on a single trolley with local and remote controls. The new crane will increase the overall reliability of the facility by ensuring the availability of specialized equipment required during steam turbine overhauls and other general maintenance. To ensure safe and stable operation of the crane, the new crane will be constructed with cast-in-place foundations and footings. The use of a fixed crane reduces the risk of unbalanced loads

that compromise the engineered specifications of the equipment and could cause an unsafe working environment. This fixed crane and lifting system will minimize the use of portable cranes with outrigger stabilizers. The outer surfaces of the crane will be painted the plant color (SW 1022 Cubist grey). Plot plans showing the location of the building and visual simulations are attached in Appendix 1.

3.0 NECESSITY (Sec. 1769(a)(1)(B))

The addition of the crane will improve facility reliability and safety by ensuring the availability of specialized lifting equipment required during steam turbine overhauls and/or other maintenance projects that require the safe handling of heavy material. The crane will also reduce the overall plant maintenance costs by minimizing the use of rented portable large cranes. This will also minimize the presence of large, slow cranes disrupting traffic on regional highways as they transit to and from the power plant.

4.0 TIMING (Sec. 1769(a)(1)(C) and (D))

SDG&E assumed ownership of the PEC about three years after issuance of the Final Decision and certification to Palomar Energy, LLC. Since taking ownership of the plant in 2006, SDG&E has continued to review the engineering and design of the plant in order to better serve the needs of SDG&E ratepayers. SDG&E has also benefited from experience gained operating the plant since assuming ownership. This “fine tuning” could not have taken place during the licensing proceeding because SDG&E was not the applicant, the plant was not yet operating, and Palomar Energy brought its own objectives to the development of the project for the merchant market. The addition of this expansion does not change or undermine the assumptions, rationale, findings, or other bases of the Final Decision. The change complies with all laws, ordinances, regulations and standards and does not have a significant environmental impact, as further described below.

5.0 ANALYSIS OF THE EFFECT OF THE MODIFICATIONS ON THE ENVIRONMENT (Sec. 1769(a)(1)(E))

The requested equipment change will have no significant effects on any of the technical areas analyzed in the August 2003 Final Commission Decision. Please see Table 1 below.

Table 1
Review of Effects of Installation and Operation of Emergency Engine

TECHNICAL AREA	SIGNIFICANT ENVIRONMENTAL IMPACT (Y/N)?		NOTES
AIR QUALITY		N	no change
CULTURAL RESOURCES		N	Area for construction is prior filled area
EFFICIENCY		N	No impact
GEOLOGICAL HAZARDS		N	No change
HAZARDOUS MATERIALS HANDLING		N	No change

Petition for Change of Equipment (New Gantry Crane for Steam Turbine Maintenance)

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TECHNICAL AREA	SIGNIFICANT ENVIRONMENTAL IMPACT (Y/N)?		NOTES
LAND USE		N	No change
NOISE		N	No Change
PALEONTOLOGICAL RESOURCES		N	Area for construction is prior filled area
BIOLOGICAL RESOURCES		N	Area previously disturbed.
PUBLIC HEALTH		N	no change
RELIABILITY		N	No change
SOCIOECONOMICS		N	No change
SOILS		N	No change
TRAFFIC AND TRANSPORTATION		N	Construction traffic minimal
T-LINE SAFETY AND NUISANCE		N	No change
TRANSMISSION SYSTEM ENGINEERING		N	No change
VISUAL RESOURCES		N	Structures will meet painting and

TECHNICAL AREA	SIGNIFICANT ENVIRONMENTAL IMPACT (Y/N)?		NOTES
			visual requirements of Final Decision; See site map (plot plan) and visual simulations in Appendices 1.
WASTE MANAGEMENT		N	No change
WATER RESOURCES		N	No change
WORKER SAFETY		N	No change

6.0 COMPLIANCE WITH LAWS, ORDINANCES, REGULATIONS AND STANDARDS (LORS) (Sec. 1769(a)(1)(F))

The new crane will not affect compliance with any other LORS requirement. Therefore, the proposed modification is not anticipated to impact SDG&E's ability to comply with the applicable LORS, as listed in Appendix A of the Commission Final Decision.

7.0 POTENTIAL EFFECTS ON PUBLIC AND NEARBY PROPERTY OWNERS (Sec. 1769(a)(1)(G and I))

The new crane will not have any environmental impacts and will comply with all applicable LORS. Thus, the proposed equipment change is not anticipated to affect nearby property owners or parties in the application proceedings or the public

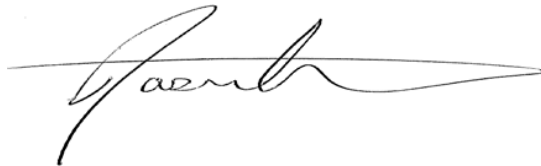
8.0 LIST OF PROPERTY OWNERS (Sec. 1769(a)(1)(H))

A list of property owners 1,000 feet of the plant site has previously been provided to the Commission CPM.

9.0 SUMMARY OF REQUEST

As demonstrated above, construction and use of the new gantry crane will not have an adverse effect on the public or the environment. The change will not affect compliance with applicable LORS. Accordingly, SDG&E requests that the Energy Commission Staff expedite review of this petition, and request Commission approval of the proposed modified conditions in accordance with Title 20 CCR Section 1769.

Respectfully Submitted,

A handwritten signature in black ink, appearing to read 'Jason T. Dobbs', with a long horizontal flourish extending to the right.

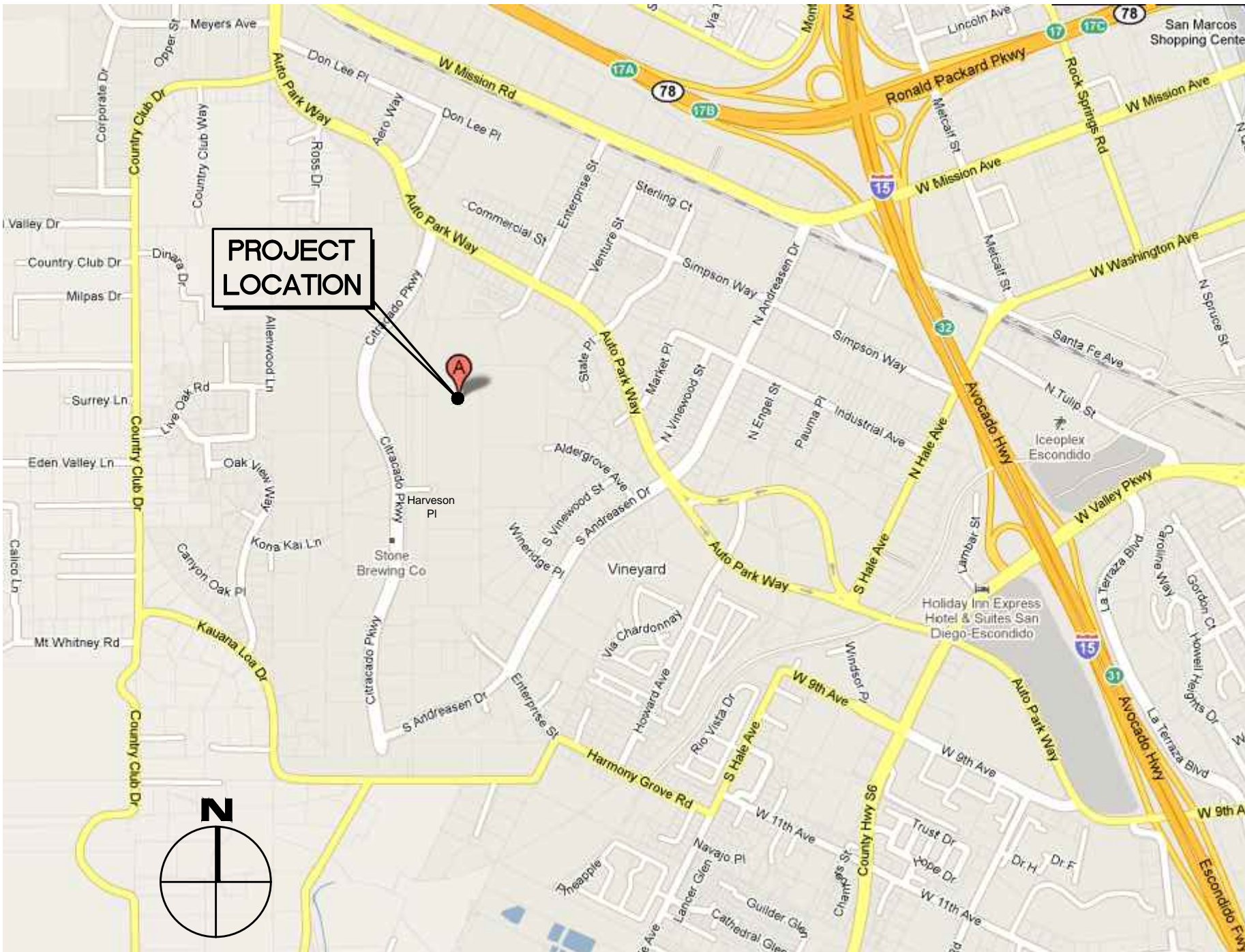
Jason T. Dobbs
Compliance Administrator

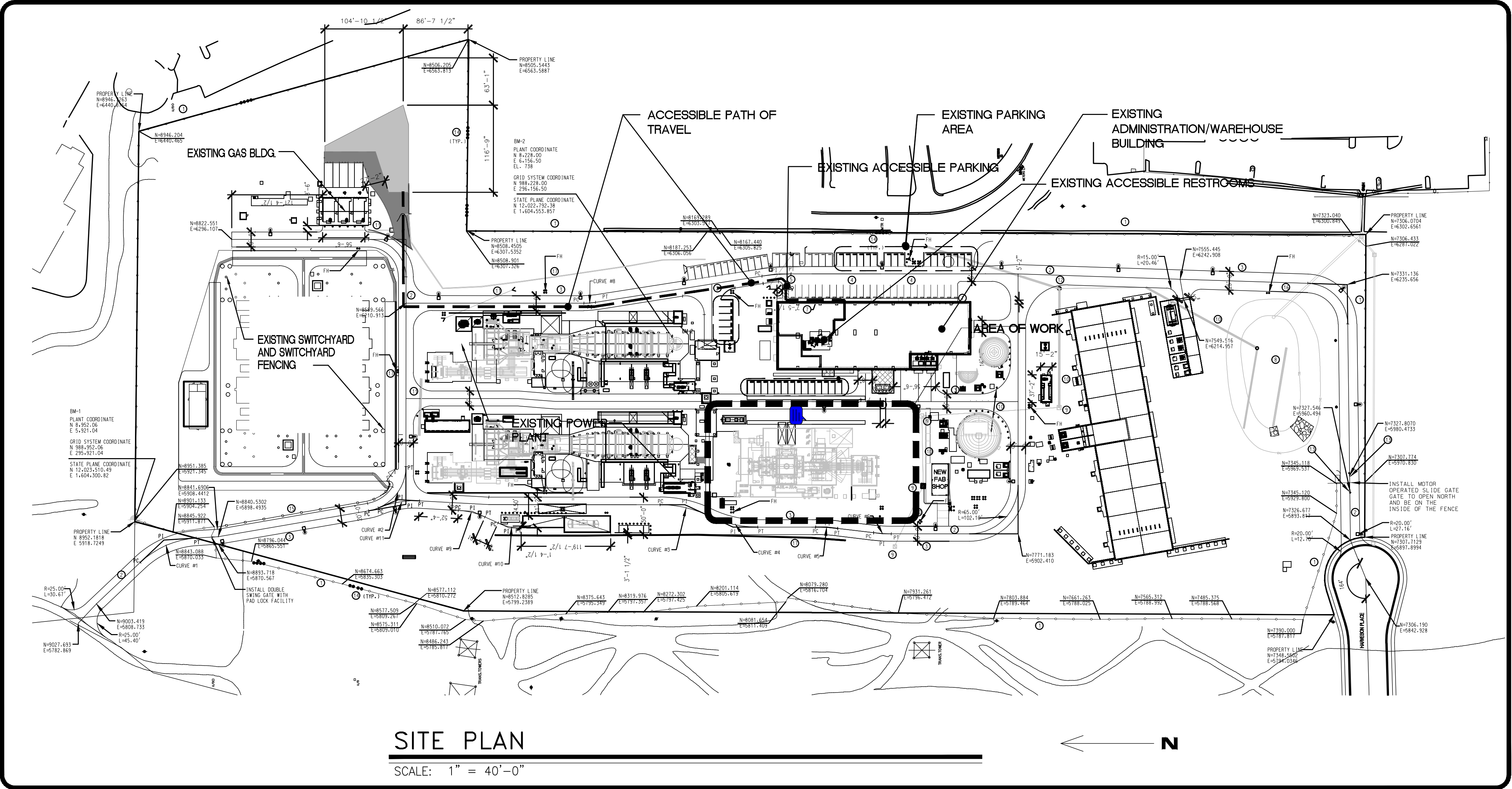
Dated: December 29, 2011

APPENDIX 1

SITE MAP AND VISUAL SIMULATIONS OF PROPOSED PROJECT

PROJECT INFORMATION

PROJECT DATA		CONSULTANTS		SHEET INDEX			VICINITY MAP																			
<p>PROJECT DESCRIPTION: CONSTRUCT STEEL FRAME AND FOUNDATIONS FOR SUPPORT OF NEW 100 TON GANTRY CRANE AT STEAM TURBINE.</p> <p>APPLICANT/OWNER: SEMPRA UTILITIES – PALOMAR ENERGY CENTER 2300 HARVESON PLACE, SD1473 ESCONDIDO, CA 92029</p> <p>APPLICANT’S REPRESENTATIVE/ENGINEER: MARTIN AND LIBBY 4452 GLACIER AVE SAN DIEGO, CA 92120 TEL: (619) 280-9307 FAX: (619) 284-3533 CONTACT: EMAIL:</p> <p>ASSESSOR’S PARCEL NUMBER: 232-591-01-00</p>		<p>OWNER: SEMPRA UTILITIES – PALOMAR ENERGY CENTER 2300 HARVESON PLACE, SD1473 ESCONDIDO, CA 92029</p> <p>STRUCTURAL ENGINEER: MARTIN AND LIBBY 4452 GLACIER AVE SAN DIEGO, CA 92120 TEL: (619) 280-9307 FAX: (619) 284-3533 CONTACT: EMAIL:</p>		<table><tr><th>SHEET NUMBER</th><th>DESCRIPTION</th><th>REV</th><th>DATE</th></tr><tr><td colspan="4">ARCHITECTURAL SITE DRAWINGS</td></tr><tr><td>T-1</td><td>TITLE SHEET</td><td></td><td></td></tr><tr><td>T-2</td><td>LOCATION PLAN</td><td></td><td></td></tr></table>	SHEET NUMBER	DESCRIPTION	REV	DATE	ARCHITECTURAL SITE DRAWINGS				T-1	TITLE SHEET			T-2	LOCATION PLAN								
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S-6	DETAILS																									
APPLICABLE CODES																										
WORK SHALL BE IN COMPLIANCE WITH THE FOLLOWING APPLICABLE CODES:																										
1. 2007 CALIFORNIA BUILDING CODE (CBC) BASED ON THE 2006 EDITION OF THE INTERNATIONAL BUILDING CODE (IBC).																										
2. 2007 CALIFORNIA PLUMBING CODE (CPC) BASED ON THE 2006 UNIFORM PLUMBING CODE (UPC).																										
3. 2007 CALIFORNIA MECHANICAL CODE (CMC) BASED ON THE 2006 UNIFORM MECHANICAL CODE (UMC).																										
4. 2007 CALIFORNIA ELECTRICAL CODE (CEC) BASED ON THE 2005 NATIONAL ELECTRICAL CODE (NEC).																										
5. 2007 CALIFORNIA FIRE CODE (CFC) 2007 EDITION BASED ON THE 2006 UFC.																										



SITE SUMMARY

SITE GROSS AREA: 20.44 ACRES
ZONING: S-P SPECIAL DISTRICTS – VINEYARD/TIER 1
MAX. BUILDING HEIGHT ALLOWED: –
PROPOSED BUILDING HEIGHT:
SETBACKS FRONT: 10'-0"
SIDE: 10'-0"
REAR: 15'-0"
SCOPE: ADD GRATING AT TWO EXISTING EXTERIOR FRAMED AREAS TO PROVIDE EQUIPMENT ACCESS (2808 SQUARE FEET TOTAL).
TYPE OF CONSTRUCTION: III-B
SPRINKLERS: NO
OCCUPANCY: F-1
OCCUPANCY LOAD: EAST PLATFORM: 4
WEST PLATFORM: 6

NOT FOR CONSTRUCTION
THESE DRAWINGS HAVE BEEN
PRINTED PRIOR TO ISSUANCE
OF A BUILDING PERMIT AND
ARE SUBJECT TO CHANGE.

BY

ISSUED FOR BID

DATE

9/12/2011

REV

0

DESCRIPTION

MARTIN & LIBBY
STRUCTURAL ENGINEERS
4452 Glacier Avenue
San Diego, CA 92120
Ph (619) 280-9307
F (619) 284-3533
Job No 6597.03

TITLE SHEET

GANTRY CRANE
PALOMAR ENERGY CENTER
ESCONDIDO, CA

REGISTERED PROFESSIONAL ENGINEER
DONALD ROLLA
No. S002876
Exp. 12-31-10
STRUCTURAL
STATE OF CALIFORNIA

SCALE

AS NOTED

DRAWN

RBH/MM

DESIGNED

LS/JAS

CHECKED

DRL

JOB NO

6597.03

DATE

9/12/2011

SHEET NUMBER

T-1



