

July 7, 2008

Christopher J. Doyle
Regional Development Engineering Manager
NRG West
1819 Aston Ave, suite 105
Carlsbad, CA 92008

Subject: Encina Repower 138 kV Generation Project Interconnection Facilities Study Report

Dear Mr. Doyle:

Attached is the Generator Interconnection Facilities Study (IFAS) Report for the Encina Repower 138 kV Generation Project (Encina Repower or the Project). The Encina Repower Project has been proposed by the NRG West Company to interconnect their 260 MW (net output to the Grid) combined cycle Encina Repower Project to the California Independent System Operator (CAISO) Controlled Grid. The Project will be interconnected to the 138 kV bus of the existing Encina Substation in Carlsbad, California. This Project will replace the current capacity of existing Encina Units 1, 2, and 3. The proposed in-service date is October 1, 2010 and the commercial operational date of the Project is June 1, 2011. The IFAS was performed by SDG&E under the direction of the CAISO.

Based on the proposed operating date, Point of Interconnection, and Point of Ownership Change, the PTO's Interconnection Facilities required to safely and reliably interconnect the Project include the installation of 140' of overhead conductor from the Bay 1 dead-end structure to the Encina 138kV switchyard fence line.

1. The following Reliability Network Upgrades are required to safely and reliably interconnect the Project:
 - A. Relocate TL13801 drop spans from Bay 1 to Bay 2.
 - B. Upgrade Encina 138kV Bay 1 to accommodate Encina Repower in double breaker configuration:
 1. Install one (1) 138kV, 2000A gas breaker (1E) and replace existing Breaker 1W with one (1) 138kV, 2000A gas breaker.
 2. Install one (1) bus support stand.
 3. Install two (2) 2000A disconnects for future Breaker 1E, and replace two (2) disconnects for Breaker 1W with 2000A disconnects.
 4. Upgrade associated bus in Bay 1.
 5. Upgrade associated control and protection panels for the new line position and add RTU points for control, monitoring, and alarming.
 - C. Upgrade Bay 2 to 2000A by replacing:
 1. Two (2) 138kV oil breakers (2E & 2W) with 138kV, 2000A gas breakers.
 2. Four (4) 1200A disconnects with 2000A disconnects.
 3. Associated disconnect and bus structures and foundations.
 4. All 138kV bus conductors.
 5. Upgrade associated control and protection panels for the new line position and add RTU points for control, monitoring, and alarming.

No Delivery Network Upgrades are required to interconnect the Project.

Total cost of the Network Upgrades described above was estimated as **\$3.003 Million** with the estimated time to construct the upgrades as 12 months. Interconnection Facilities that included Installation of the 140' overhead conductor from dead-end structure to switchyard fence line were estimated to cost **\$92,000**.

Please note that this letter approving the interconnection of the Encina Repower Project allows the Project to be eligible to deliver the Project's output to the CAISO Controlled Grid using available transmission. However, it does not establish the Project's level of deliverability for purposes of determining its Net Qualifying Capacity under the CAISO Tariff and in accordance with CPUC-adopted Resource Adequacy Rules. Therefore, this letter makes no representation, and the Interconnection Customer cannot rely on any statements herein, regarding the ability, or amount, of the output of the Project to be eligible to sell Resource Adequacy Capacity. A cluster Deliverability Assessment will be performed by the CAISO in September 2008. To follow the deliverability assessment studies, please reference the website link at:

<http://www.caiso.com/1c44/1c44b5c31cce0.html>

Should you have any questions regarding the Study, please contact Irina Green at (916) 608-1296 (igreen@caiso.com) or myself at (916) 608-1113 (ACHowdhury@caiso.com).

Sincerely,

Original signed by Ali Chowdhury

Ali Asraf Chowdhury
Director of Regional Transmission South

cc:

via e-mail:

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ISO Regional Transmission South

Interconnection Facilities Study

Generation Interconnection

NRG West

Encina Repower – 138kV

Final Report



California ISO
Your Link to Power

July 7, 2008

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1. Executive Summary

NRG West, the Interconnection Customer (IC), proposes to interconnect their 280MW combined cycle Encina Repower – 138kV Project (Encina Repower or Project) to the California Independent System Operator (CAISO) controlled grid. The Project will have a total maximum net output of 260MW, and will replace the current capacity of existing Encina Units 1, 2, and 3. The proposed Commercial Operation Date (COD) of the Project is June 1, 2011. The Participating Transmission Owner (PTO) is San Diego Gas & Electric (SDG&E).

The proposed Point of Interconnection is the Encina 138kV switchyard located in Carlsbad, San Diego County, California. There is no alternative Point of Interconnection. Encina Repower occupies Queue Position #189 in the CAISO Controlled Grid Generation Queue (Queue).

CAISO issued an Interconnection System Impact Study (ISIS) Report for this Project on October 9, 2007 which provided an analysis of the system impacts and necessary mitigation measures.

In accordance with Federal Energy Regulatory Commission's (FERC's) Large Generation Interconnection Procedures (LGIP), the IC, CAISO, and PTO agreed that an Interconnection Facilities Study (IFAS) was required to determine the +/- 20 percent cost estimate, detailed work scope, and detailed schedule to construct the facilities necessary to interconnect the Project on the CAISO Controlled Grid. This IFAS was performed by the PTO under the direction of the CAISO. The IFAS determined cost estimates, work scope, and construction schedule for the Interconnection Facilities necessary to interconnect the Project to the CAISO Controlled Grid.

Based on the proposed operating date, Point of Interconnection, and Point of Ownership Change, the PTO's Interconnection Facilities required to safely and reliably interconnect the Project include the installation of 140' of overhead conductor from the Bay 1 dead-end structure to the Encina 138kV switchyard fence line.

The following Reliability Network Upgrades are required to safely and reliably interconnect the Project:

- A. Relocate TL13801 drop spans from Bay 1 to Bay 2.
- B. Upgrade Encina 138kV Bay 1 to accommodate Encina Repower in double breaker configuration:
 - 1. Install one (1) 138kV, 2000A gas breaker (1E) and replace existing Breaker 1W with one (1) 138kV, 2000A gas breaker.
 - 2. Install one (1) bus support stand.
 - 3. Install two (2) 2000A disconnects for future Breaker 1E, and replace two (2) disconnects for Breaker 1W with 2000A disconnects.
 - 4. Upgrade associated bus in Bay 1.

5. Upgrade associated control and protection panels for the new line position and add RTU points for control, monitoring, and alarming.
- C. Upgrade Bay 2 to 2000A by replacing:
1. Two (2) 138kV oil breakers (2E & 2W) with 138kV, 2000A gas breakers.
 2. Four (4) 1200A disconnects with 2000A disconnects.
 3. Associated disconnect and bus structures and foundations.
 4. All 138kV bus conductors.
 5. Upgrade associated control and protection panels for the new line position and add RTU points for control, monitoring, and alarming.

No Delivery Network Upgrades are required to interconnect the Project.

The cost and estimate of time to construct for the Interconnection Facilities are summarized in Table 1.1.

Table 1.1: +/-20% Estimated Cost and Estimated Time to Construct

Type of Upgrade	Location	Description	Estimated Cost x 1,000 ¹	Estimated Time To Construct ²
PTO's Interconnection Facilities	Encina 138kV Switchyard (Transmission)	Install 140' overhead conductor from dead-end structure to switchyard fence line.	\$92	9 Months
	<i>Subtotal for PTO Interconnection Facilities</i>		\$92	9 Months
Reliability Network Upgrades	Encina 138kV Switchyard (Substation)	Upgrade Bay 1 to accommodate Encina Repower at 2000A in double breaker configuration and relocate TL13801 from Bay 1 to upgraded Bay 2.	\$2,649	12 Months
	Encina 138kV Switchyard (Transmission)	Relocate TL13801 drop spans from Bay 1 to Bay 2.	\$262	9 Months
<i>Subtotal for Reliability Network Upgrades</i>			\$2,911	12 Months
Delivery Network Upgrades	None	None	\$0	0 Months
<i>Subtotal for Delivery Network Upgrades</i>			\$0	0 Months
Total	Substation & Transmission		\$3,003	12 Months

The construction schedule estimate to design, procure, and construct the facilities typically begins after the signing of the Large Generator Interconnection Agreement (LGIA) and does not include the time required for environmental review and the permitting processes, if applicable.

California Public Utilities Commission (CPUC) licensing will not be required by SDG&E to construct the Network Upgrades because all work will be performed within the existing Encina fence line and will not increase the high side voltage. However, other federal, state, and local permits may be required prior to beginning construction of all Network Upgrades.

¹ All costs estimates are +/-20% estimates in "as year spent" dollars. Taxes, landscaping, under grounding, walls, gates, driveways, CAISO metering, and environmental and licensing costs are not included. All Interconnection Facilities costs for ROW are assumed to be the responsibility of the Interconnection Customer. Network Upgrade costs exclude acquisition of new transmission Right-Of-Way (ROW) and substation land.

² Estimated time to construct includes time for design, equipment procurement, and construction. Excludes time for environmental review and permitting.

2. Detailed Project Information and Point of Interconnection

Encina Repower is the proposed interconnection of a 280MW combined cycle plant consisting of a 205MVA gas combustion turbine and a 76MVA steam turbine. The net output of this facility to the CAISO Controlled Grid will be 260MW, and will replace the current capacity of 318MW from existing Encina Units 1, 2, and 3.

NRG West proposes the following milestone dates:

- A. Proposed In-Service Date: October 1, 2010
- B. Proposed Trial Operation Date: November 1, 2010
- C. Proposed Commercial Operation Date: June 1, 2011

The proposed Point of Interconnection is the SDG&E's 138kV Encina switchyard, located in Carlsbad, San Diego County, California. No alternative Point of Interconnection was identified.

A conceptual one-line diagram of the transmission system in the area of the proposed interconnection is shown in Figure 2.1. Figure 2.2 shows existing transmission facilities in the vicinity as well as the location of the proposed new Encina 230kV switchyard.

Figure 2.1: Conceptual One-line Diagram

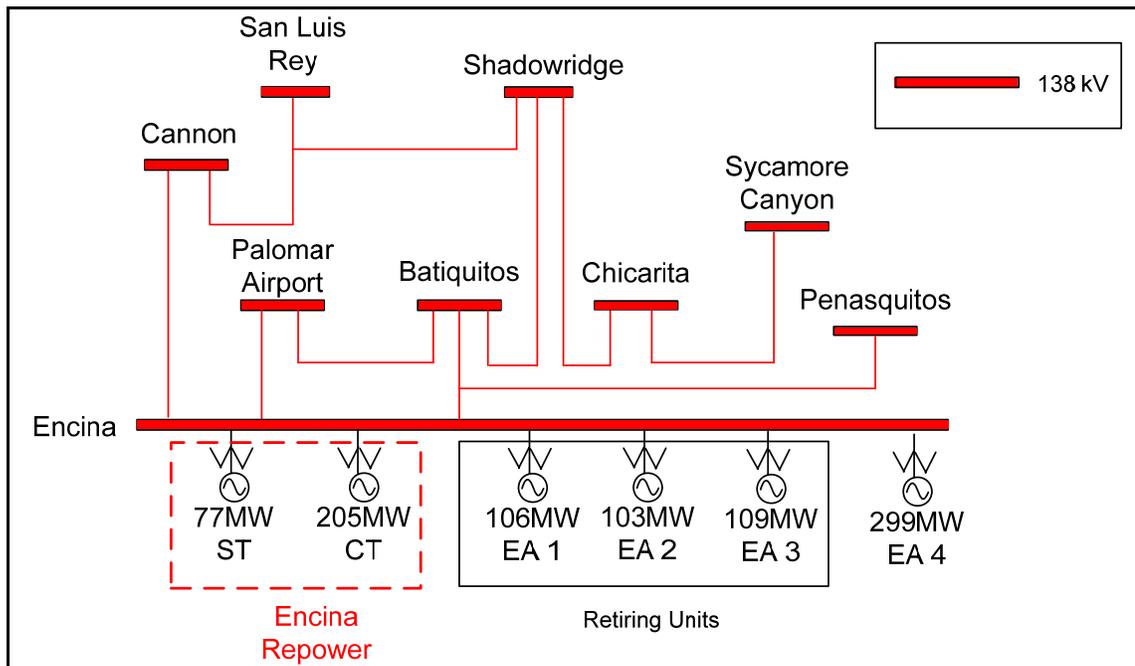
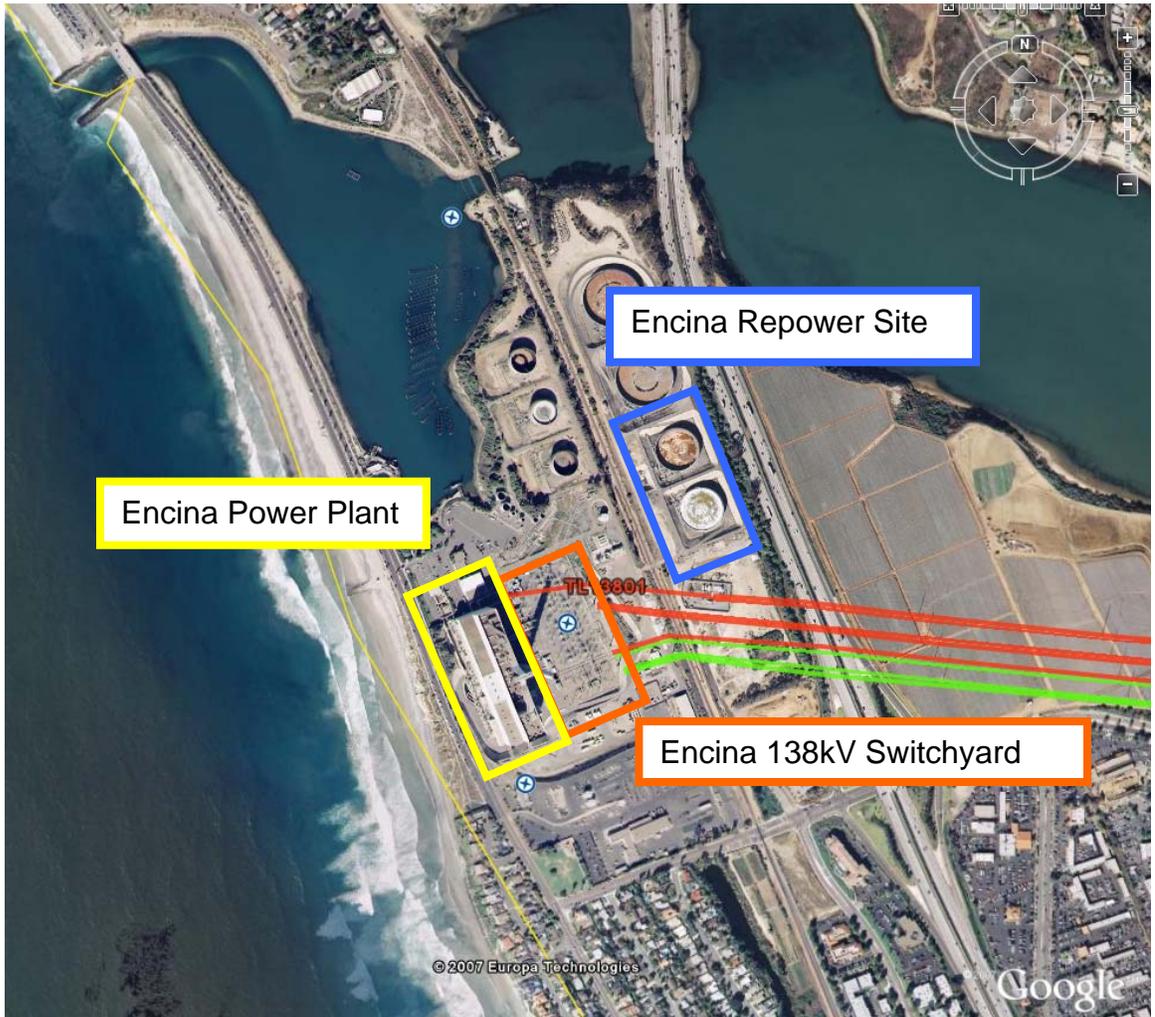


Figure 2.2 Proposed Area Layout



3. Summary of System Impact Study Results and Mitigation Plan

The ISIS, issued on October 9, 2007, concluded that the Project, at its net output of 260MW, would:

- A. Cause no Category A (normal) overloads.
- B. Cause no Category B overloads.
- C. Cause no Category C overloads.
- D. Cause no PTO transmission circuit breakers to exceed fault duty ratings.
- E. Cause adverse transient performance impacts on the transmission system.
- F. Cause no adverse post-transient performance impacts on the transmission system.
- G. Cause a possible Impairment to the tax-exempt status of the interest on Local Furnishing Bonds in the future operating year of 2012.

Issues with the dynamic modeling of the Project during the ISIS have since been resolved. It has been concluded that the addition of the Project does not cause any adverse transient performance impacts and that the Western Electricity Coordinating Council (WECC) transmission system experiences proper voltage and frequency dampening on all transmission busses following selected line contingencies.

4. Deliverability Assessment Study Results

In accordance with LGIP section 3.3.3.1 of the LGIP, a Deliverability Assessment will be performed to determine the Project's ability to deliver its energy to the CAISO Controlled Grid under peak load conditions. The Deliverability Assessment will provide the IC with information as to the level of deliverability without Network Upgrades, and the information as to the required Network Upgrades to enable the Project to deliver the full output to the grid based on specified study assumptions. For more details of Deliverability Assessment including methodology and modeling requirements for deliverability base case, please refer to <http://www.caiso.com/181c/181c902120c80.html> and <http://www.caiso.com/1c44/1c44b5c31cce0.html>.

As required by LGIP tariff language, deliverability results need to provide the following information of this project regarding deliverability:

- A. The deliverability level without Network Upgrades.
- B. The required Network Upgrades to support 100% deliverability.

5. Estimated Costs

All costs provided are estimates based on necessary facilities identified between the Interconnection System Impact Study and Interconnection Facilities Study for a Commercial Operation Date of June 1, 2011. Charges for implementing the interconnection of the Project will be made based upon the actual costs incurred. Cost estimates developed within this study are considered to be +/- 20% and include the following assumptions:

- A. Project concepts are based on representations from the Interconnection Customer.
- B. Project concepts are based on mandatory reliability criteria from applicable reliability and regulatory authorities (North American Electric Reliability Council (NERC), WECC, and CAISO).
- C. Project concepts are based on sound engineering judgment.
- D. All costs are based on SDG&E construction methods and techniques.
- E. All costs are in “as year spent” dollars.
- F. All costs included in this report are valid for 90 days only.

Table 5.1 summarizes the cost of transmission reinforcements identified in this study.

Table 5.1: +/-20% Cost Estimate Summary

Type of Upgrade	Location	Description	Estimated Cost x 1,000 ³
PTO's Interconnection Facilities	Encina 138kV Switchyard (Transmission)	Install 140' overhead conductor from dead-end structure to switchyard fence line.	\$92
	<i>Subtotal for PTO Interconnection Facilities</i>		\$92
Reliability Network Upgrades	Encina 138kV Switchyard (Substation)	Upgrade Bay 1 to accommodate Encina Repower at 2000A in double breaker configuration and relocate TL13801 from Bay1 to upgraded Bay 2.	\$2,649
	Encina 138kV Switchyard (Transmission)	Relocate TL13801 drop spans from Bay 1 to Bay 2.	\$262
<i>Subtotal for Reliability Network Upgrades</i>			\$2,911
Delivery Network Upgrades	None	None	\$0
<i>Subtotal for Delivery Network Upgrades</i>			\$0
Total	Substation & Transmission		\$3,003

5.1 Participating TO's Interconnection Facilities

The cost estimate for the PTO's Interconnection Facilities includes any substation and transmission line facilities required to interconnect the Project. The estimate does not include any facilities constructed, owned, and operated by the IC.

The PTO's Interconnection Facilities are all the facilities and equipment owned, controlled, or operated by SDG&E from the Point of Interconnection to the Point of Change of Ownership (see Figure 5.2). The Point of Interconnection is the Bay 1 dead-end structure in SDG&E's 138kV Encina switchyard. The Point of Change of Ownership is at or near the fence line of SDG&E's 138kV Encina switchyard.

Interconnection Facilities consist of 140' of overhead conductor from the Bay 1 dead-end structure to the substation fence line.

³ All costs estimates are +/-20% estimates in "as year spent" dollars. Taxes, landscaping, under grounding, walls, gates, driveways, CAISO metering, and environmental and licensing costs are not included. All Interconnection Facilities costs for ROW are assumed to be the responsibility of the Interconnection Customer. Network Upgrade costs exclude acquisition of new transmission Right-Of-Way (ROW) and substation land.

The IC is obligated to advance funds for the construction of Interconnection Facilities in the amount of \$92K.

Figure 5.1 illustrates the existing Encina 138kV switchyard configuration. Figure 5.2 illustrates the proposed rearrangement of the switchyard to accommodate the Project.

Figure 5.1: Existing Encina 138kV Switchyard

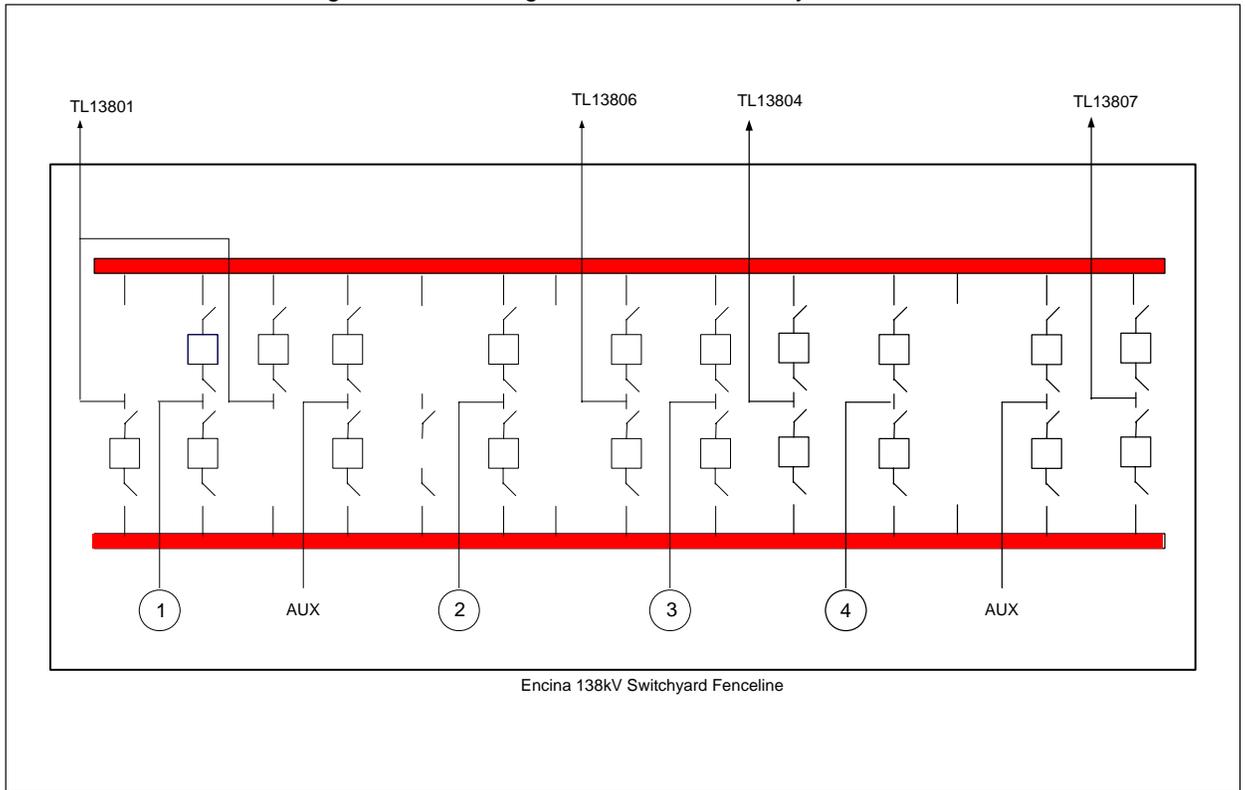
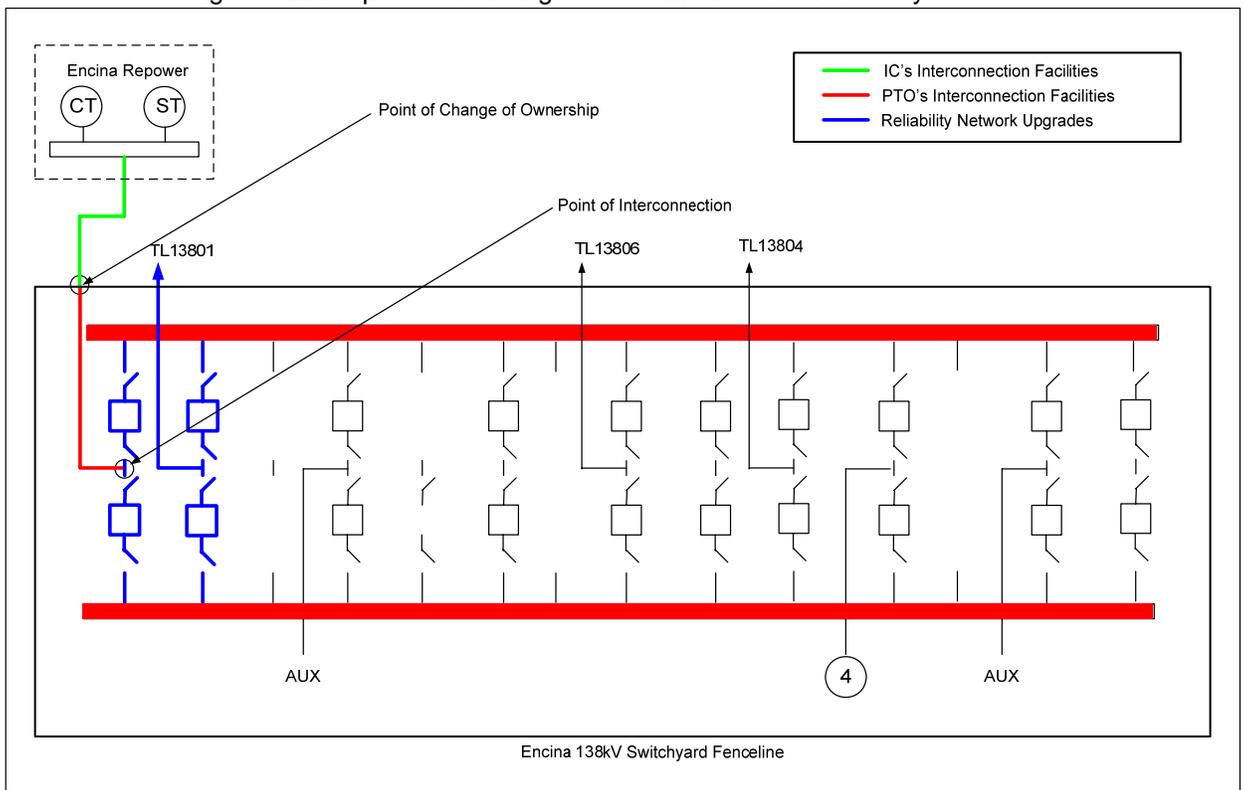


Figure 5.2: Proposed Rearrangement of Encina 138kV Switchyard



5.2 Network Upgrades

Based on the proposed operating date, Point of Interconnection, and the results of the ISIS, the following Network Upgrades are needed to safely and reliably interconnect the Project.

5.2.1 Reliability Network Upgrades

The following Reliability Network Upgrades are required to safely and reliably interconnect the Project:

- A. Relocate TL13801 drop spans from Bay 1 to Bay 2.
- B. Upgrade Encina 138kV Bay 1 to accommodate Encina Repower in double breaker configuration:
 - 1. Install one (1) 138kV, 2000A gas breaker (1E) and replace existing Breaker 1W with one (1) 138kV, 2000A gas breaker.
 - 2. Install one (1) bus support stand.
 - 3. Install two (2) 2000A disconnects for future Breaker 1E, and replace two (2) disconnects for Breaker 1W with 2000A disconnects.
 - 4. Install associated bus in Bay 1.
 - 5. Upgrade associated control and protection panels for the new line position and add RTU points for control, monitoring, and alarming.
- C. Upgrade Bay 2 to 2000A by replacing:
 - 1. Two (2) 138kV oil breakers (2E & 2W) with 138kV, 2000A gas breakers.
 - 2. Four (4) 1200A disconnects with 2000A disconnects.
 - 3. Associated disconnect and bus structures and foundations.
 - 4. All 138kV bus conductors.
 - 5. Upgrade associated control and protection panels for the new line position and add RTU points for control, monitoring, and alarming.

Due the location of the Project's site, an interconnection into Bay 1 is the most reasonable Point of Interconnection. Work associated with interconnecting Encina Repower into Bay 1 is categorized as Reliability Network Upgrades.

Because Bay 1 currently serves as half of the double breaker configuration for TL13801, it will need to be fully built out to double breaker with a 2000A gas

breaker after the relocation of TL13801 to Bay 2, which follows SDG&E's current breaker installation practice. After the relocation of TL13801 to Bay 2, the existing TL13801 breaker 1W will be replaced with a 2000A gas breaker. The current 1200A bay equipment will be upgraded to 2000A to match the new breakers' capacity and ensures the reliable delivery of Encina Repower through Bay 1.

Existing Encina Unit 1 will be retired in order to interconnect Encina Repower, making Bay 2 available for the relocation of TL13801 from Bay 1. Because the existing 1200A oil breakers 2E and 2W in Bay 2 are owned by NRG, new 2000A gas breakers will be installed, rather than buying and utilizing the existing aged breakers. The bus will be upgraded to 2000A to match the breakers' capacity.

The IC is obligated to advance funds in the amount of \$2.91M for the construction of Reliability Network Upgrades.

5.2.2 **Delivery Network Upgrades**

There are no Delivery Network Upgrades associated with the Project.

6. Estimated Time to Construct

The estimate for the length of time that SDG&E needs to design, procure, and construct and/or upgrade a generation project's Interconnection Facilities, Reliability Network Upgrades, and Delivery Network Upgrades is a +/-20% estimate of the total construction time. These estimates are dependent on many factors (when applicable), including but not limited to:

- A. Whether an exemption can be obtained from the CPUC's G.O. 131-D Certificate of Public Convenience and Necessity (CPCN) process.
- B. Whether an exemption can be obtained from the CPUC's Permit to Construct (PTC) process.
- C. Whether the IC includes the full scope of the transmission and substation additions and upgrades in its application to the lead agency for the California Environmental Quality Act (CEQA) review, and whether the California Energy Commission (CEC) determines that there are no significant unavoidable environmental impacts associated caused by the proposed line or substation.
- D. Whether the IC intends to fund the Delivery Network Upgrades.
- E. Whether the IC chooses to build its own Interconnection Facilities.

The outcome of these processes and/or IC project/business decisions could increase cost and/or construction duration. Absent an exemption, the process of obtaining the CPUC's approval may take 12 to 24 months, or even longer.

CPUC licensing will not be required by SDG&E to construct the Network Upgrades because all work will be performed within the existing Encina fence line and will not increase the high side voltage. However, other federal, state, and local permits may be required prior to beginning construction of all Network Upgrades.

The estimated time to construct/upgrade the identified facilities summarized in Table 6.1 does not include the time needed for environmental review and permitting. The estimated time SDG&E needs to design, procure, and construct the facilities is listed in the table. The design phase does not typically start until successful completion of the Large Generator Interconnection Agreement (LGIA).

Table 6.1: +/-20% Estimated Time to Construct

Type of Upgrade	Location	Description	Estimated Time To Construct ⁴
PTO's Interconnection Facilities	Encina 138kV Switchyard (Transmission)	Install 140' overhead conductor from dead-end structure to switchyard fence line.	9 Months
<i>Subtotal for PTO Interconnection Facilities</i>			<i>9 Months</i>
Reliability Network Upgrades	Encina 138kV Switchyard (Substation)	Upgrade Bay 1 to accommodate Encina Repower at 2000A in double breaker configuration and relocate TL13801 from Bay 1 to upgraded Bay 2.	12 Months
	Encina 138kV Switchyard (Transmission)	Relocate TL13801 drop spans from Bay 1 to Bay 2.	9 Months
<i>Subtotal for Reliability Network Upgrades</i>			<i>12 Months</i>
Delivery Network Upgrades	None	None	0 Months
<i>Subtotal for Delivery Network Upgrades</i>			<i>0 Months</i>
Total	Substation & Transmission		12 Months

Considering the time needed to complete the LGIA and construct the Interconnection Facilities (including potential environmental review, permitting, design, procurement, and construction), the proposed in-service date of October 1, 2010 and commercial operation date of June 1, 2011 appear to be feasible.

Per Section 9 of the LGIP, an E&P Agreement may be utilized prior to executing an LGIA. The E&P Agreement authorizes the PTO to commence engineering and procurement of long lead-time items necessary for the interconnection. The IC may consider this optional procedure to further ensure meeting the proposed in-service date.

⁴ Estimated time to construct includes time for design, equipment procurement, and construction. Excludes time for environmental review and permitting.

7. Facility Study Assumptions

Under the direction of the CAISO, the PTO provided the +/- 20 percent cost estimate, detailed work scope, and detailed schedule to construct the facilities necessary to interconnect the Project to the CAISO Controlled Grid using the following assumptions:

- A. The maximum net output to the grid is 260MW.
- B. The expected commercial operation date is June 1, 2011.
- C. Encina Peaking Project occupies Queue Position #189.
- D. The IC will engineer, procure, construct, own, and maintain its project facility.
- E. This study accounted for the planned generating facilities in PTO's service territory whose schedules are concurrent with or precede the Project's schedule.
- F. Existing Encina Units 1, 2, and 3 will not operate during periods when the Encina Repower – 138kV Project operates.

8. Facilities Study Scope

This IFAS provides the +/- 20% cost estimates, detailed work scope, and detailed schedule to construct facilities for the PTO's Interconnection Facilities required to interconnect the Project to the CAISO grid.

The development of the cost estimates, work scope, and schedule to construct encompassed the following evaluations:

8.1 Transmission Line Evaluation

SDG&E's Transmission Engineering group evaluated the proposed interconnection for potential impacts on SDG&E-owned transmission facilities. The evaluation included, but was not limited to, the following:

- A. How best to connect the proposed generator in a safe, reliable, and cost-effective manner, while considering future system requirements and operational convenience.
- B. The scope of any modifications necessary to accommodate the proposed interconnection.

8.2 Substation Evaluation

SDG&E's Substation Engineering group evaluated the proposed interconnection for potential impacts on SDG&E-owned substation facilities. The evaluation included, but was not limited to, the following:

- A. How best to connect the proposed generator in a safe, reliable, and cost-effective manner, while considering future system requirements and operational convenience.
- B. The scope of any modifications necessary to accommodate the proposed interconnection.

8.3 Land and Right-of-Way Evaluation

SDG&E evaluated the scope of the proposed modifications or extensions to SDG&E-owned transmission and substation facilities to determine if any additional land should be acquired.

8.4 System Protection Evaluation

SDG&E's System Protection group evaluated the proposed interconnection for potential impacts on the transmission system. The evaluation included, but was not limited to, the following:

- A. Coordination with existing system protection philosophy and systems.
- B. Development of new Special Protection System (SPS), if applicable.
- C. Modification to existing SPS, if applicable.
- D. Communications requirements.

8.5 Industrial Development Bonds (specific to SDG&E)

SDG&E has financed or refinanced substantial portions of its wholly-owned transmission and distribution systems with proceeds from \$687,000,000 of outstanding Local Furnishing Bonds (“LFBs”) issued by the City of San Diego and the City of Chula Vista. This includes (without limitation) a portion of the costs of SDG&E’s wholly-owned Miguel - Imperial Valley transmission line and a portion of SDG&E’s wholly-owned Miguel - Tijuana transmission line. Interest on these LFBs is tax-exempt. If the proposed Project would impair the tax-exempt status of interest on these LFBs under the Internal Revenue Code, Treasury Regulations and applicable IRS private letter rulings (an “Impairment”), the IC would pay any costs SDG&E incurs in mitigating the Impairment.

SDG&E completed its assessment in the 2012 time period to determine whether (1) future generation projects will require SDG&E to acquire any facilities sooner, larger, more costly, or of a different design than is needed for the purpose of providing electric service to SDG&E’s retail electric customers, or (2) electric energy from future generation projects in combination with existing local generation and SDG&E’s share of electric energy from its remote generation, may cause an actual or deemed cumulative annual net outbound flow of electric energy from SDG&E’s wholly-owned electric facilities in San Diego, Orange and Imperial Counties in violation of the Encumbrances set forth in SDG&E’s Appendix B to the Transmission Control Agreement with the CAISO (the “TCA”).

If in the future the amount of electric energy anticipated to be produced by owners of existing and new generation facilities located in San Diego or Orange County and directly connected to SDG&E’s wholly owned Local Transmission and Distribution System (T/D System) becomes so large on an annual basis that SDG&E can reasonably anticipate net annual outbound flows from the T/D System to be outbound, then an Impairment may arise. Under the CAISO Tariff and TCA, however, the CAISO is obligated to affect such remedial measures as might be available to avoid an Impairment involving the annual flow of electric energy that would otherwise trigger a redemption or defeasance of the LFBs. Such remedial measures, for example, might be undertaken by the CAISO through rejection of schedules or bid protocols sufficient to avoid reasonably anticipated net annual outbound flows resulting from existing and proposed generation facilities directly connected to SDG&E’s T/D System.

The analysis follows the LGIP methodology for conducting power flow analysis which results in all of the generation projects in the Queue, up to and including the Encina Repower – 138kV Project, being modeled as in-service. Based on this analysis, in connection with the Encina Repower – 138kV Project, the results indicate that (1) it will not need to acquire any facilities sooner, larger or of a different design than is

needed for the purpose of providing electric service to SDG&E's retail electric customers; and (2) the actual and deemed flows of electricity into and out of SDG&E's wholly-owned electric transmission and distribution facilities in San Diego, Orange and Imperial Counties may become outbound on a net annual basis following the addition of the Encina Repower – 138kV Project.

According to the analysis using a future operating year of 2012 and modeling all higher-queued generation, the Encina Repower – 138kV Project appears to contribute to annual net outbound flow of energy. This situation will continue to be monitored to determine if this conclusion remains the reasonable expectation based upon the amount of generation that actually materializes.

9. Re-Study

This IFAS has been performed according to the assumptions shown in the Section titled “Facility Study Assumptions.” In the event that these assumptions are changed, an updated study may be required to re-evaluate the Project’s impact on CAISO’s transmission grid. The IC would be responsible for paying for any such updating study. Some of the changes that might prompt an update study are:

- A. Change in interconnection date.
- B. Change in Interconnection Queue position.
- C. Change in Project’s MW size beyond the provisions set forth in the LGIP.
- D. Change in interconnection plan.
- E. Change in interconnection plans of higher-queued projects which could affect the upgrades required for this project.

Appendix A

Definitions

CPUC CPCN

California Public Utilities Commission Certificate Of Public Convenience and Necessity.

Category A Contingency

All facilities in service, no contingency.

Category B Contingency

Event resulting in the loss of a single element.

(The CAISO considers the loss of a critical generator followed with redispatch of the remaining system generation and the subsequent loss of any single element as a Category B contingency.)

Category C Contingency

Event resulting in the loss of two or more (multiple) elements.

Category D Contingency

Extreme event resulting in two or more (multiple) elements removed or cascading out of service.

Delivery Network Upgrades

Transmission facilities at or beyond the Point of Interconnection, other than Reliability Network Upgrades, identified in the Interconnection Studies to relieve constraints on the ISO Controlled Grid.

Interconnection Facilities

The Participating TO's Interconnection Facilities and the Interconnection Customer's Interconnection Facilities. Collectively, Interconnection Facilities include all facilities and equipment between the Generating Facility and the Point of Interconnection, including any modification, additions or upgrades that are necessary to physically and electrically interconnect the Generating Facility to the ISO Controlled Grid. Interconnection Facilities are sole use facilities and shall not include Distribution Upgrades, Stand Alone Network Upgrades or Network Upgrades.

Interconnection Customer

Any entity, including a Participating TO or any of its Affiliates or subsidiaries, that proposes to interconnect its Generating Facility with the ISO Controlled Grid.

**Interconnection
Customer's
Interconnection Facilities**

All facilities and equipment, as identified in Part A of the Standard Large Generator Interconnection Agreement, that are located between the Generating Facility and the Point of Change of Ownership, including any modification, addition, or upgrades to such facilities and equipment necessary to physically and electrically interconnect the Generating Facility to the ISO Controlled Grid. Interconnection Customer's Interconnection Facilities are sole use facilities.

**Participating TO's
Interconnection Facilities**

All facilities and equipment owned, controlled, or operated by the Participating TO from the Point of Change of Ownership to the Point of Interconnection as identified in Part A to the Standard Large Generator Interconnection Agreement, including any modifications, additions or upgrades to such facilities and equipment. Participating TO's Interconnection Facilities are sole use facilities and shall not include Distribution Upgrades, Stand Alone Network Upgrades or Network Upgrades.

Reliability Network Upgrades

The transmission facilities at or beyond the Point of Interconnection necessary to interconnect a Large Generating Facility safely and reliably to the ISO Controlled Grid, which would not have been necessary but for the interconnection of the Large Generating Facility, including Network Upgrades necessary to remedy short circuit or stability problems resulting from the interconnection of the Large Generating Facility to the ISO Controlled Grid. Reliability Network Upgrades also include, consistent with WECC practice, the facilities necessary to mitigate any adverse impact the Large Generating Facility's interconnection may have on a path's WECC rating.

Appendix B

CAISO Controlled Grid Generation Queue

The California ISO Controlled Grid Generation Queue as of: May 2, 2008

				Generating Facility		Maximum MWs		Location		Point of Interconnection				Study Availability				
Queue Position	Interconnection Request Receive Date	Queue Date	Application Status	Type	Fuel	Summer	Winter	County	State	Utility	Station or Transmission Line	Proposed On-line Date (as filed with IR)	Current On-line Date	Feasibility Study (IFS)	System Impact Study (SIS)	Facility Study (FAS)	Optional Study (OS)	Interconnection Agreement Status
1	9/30/1998	9/30/1998	Active	WT	W	16.5		Riverside	CA	SCE	Devers-Garnet 115 kV line (Tap)	3/1/1999	12/31/2010	NA	Complete	Complete		
1A	11/1/1999	11/1/1999	Active	CC	NG	550	550	San Diego	CA	SDGE	Miguel Substation	3/1/2002	5/1/2009	N/A	Complete	Complete		IA Executed
2	8/10/1999	2/3/2000	Active	CC	NG	590		Contra Costa	CA	PGE	Contra Costa Power Plant 230 kV bus	11/28/2007	11/1/2009	N/A	Complete	Complete		GSFA Executed
3	4/21/2000	6/14/2000	Active	CC	NG	850		Riverside	CA	SCE	Devers Substation 230 kV Bus	1/1/2004	5/1/2008	NA	Complete	Re-study Complete	Complete	In Progress
4	8/8/2000	8/8/2000	Complete	CC	NG	521	545	San Diego	CA	SDGE	Palomar 230 kV	6/1/2001	10/15/2005	NA	Complete	Complete		Executed
5	8/9/2000	8/9/2000	Withdrawn 9/14/06	CC	NG	900		San Diego	CA	SDGE	Encina Power Plant Switchyard	6/30/2003	6/1/2008	NA	Complete	In Progress		
6	8/23/2000	8/23/2000	Active	CC	NG	1156		San Joaquin	CA	PGE	Tesla Substation 230 kV Bus E	6/1/2008	12/31/2010	NA	Re-Study In Progress	Complete		GSFA Executed
7	8/16/2000	10/6/2000	Active	CC	NG	630		Los Angeles	CA	SCE	El Segundo 220 kV Bus	8/1/2009	6/1/2011	NA	Complete	Complete	Complete	Executed
8	11/28/2000	11/28/2000	Active	CC	NG	750		San Diego	CA	SDGE	Sycamore Canyon Substation	6/1/2004	12/31/2010	NA	Complete	Re-Study in Progress		In Progress
9	12/1/2000	12/1/2000	Active	CC	NG	1200		San Luis Obispo	CA	PGE	Morro Bay Substation	1/1/2008	1/1/2008	NA	Complete	Complete		GSFA Executed
10	5/2/2001	5/2/2001	Withdrawn 5/24/07	CC	NG	620		Kings	CA	PGE	Gates Substation (Aree - Gates 230 kV line)	4/1/2009	7/1/2009	NA	Complete	Complete		GSFA Executed
11	10/14/2002	10/23/2002	Active	WT	W	63		San Bernardino	CA	SCE	Mountain Pass Substation	12/1/2004	3/1/2008	NA	Complete	Complete		IFA Executed
12	12/16/2002	12/16/2002	Complete	WT	W	150		Solano	CA	PGE	New Birds Lndng Sw Stn near Contra Costa PP Sub	10/31/2005	3/30/2006	NA	Complete	Complete		GSFA Executed
13	1/3/2003	1/3/2003	Active	H	WTR	40		San Diego	CA	SDGE	Escondido	7/1/2007	9/1/2008	NA	Complete	Complete		IFA Executed, IA Tendered
14	1/7/2003	1/7/2003	Active	CC	NG	65		San Diego	CA	SDGE	Miguel-Tijuana * (65 MWs -additional capacity, 615 total MW)	12/31/2004	5/1/2009	NA	Complete	Complete		IA Tendered
15	12/31/2002	1/17/2003	Withdrawn 7/13/07	WT	W	60		San Bernardino	CA	SCE	Mountain Pass	9/1/2004	1/1/2010	NA	Complete	Complete		
16	3/11/2003	3/11/2003	Active	WT	W	120		Santa Barbara	CA	PGE	Cabrillo	6/1/2006	10/1/2008	NA	Complete	Complete		GSFA Executed
17	3/18/2003	3/18/2003	Active	CC	NG	520		Riverside	CA	SCE	Devers-Palo Verde 500 kV line near Blythe	1/1/2006	6/1/2008	NA	Complete	Complete		
18	4/15/2003	4/15/2003	Withdrawn 6/20/06	WT	W	200		Los Angeles	CA	SCE	Antelope	12/31/2005	12/12/2007	NA	Complete	Complete		Tendered
19	6/4/2003	6/18/2003	Complete	WT	W	46		San Diego	CA	SDGE	Crestwood	12/31/2005	10/1/2005	NA	Complete	Complete		Executed
20	8/19/2003	9/4/2003	Active	WT	W	300		Kern	CA	SCE	Antelope	12/31/2006	12/31/2008	NA	Re-Study Complete	Complete		
21	10/3/2003	10/23/2003	Complete	WT	W	37.55		Byron	CA	PGE	Windmaster/Buena Vista Sub	7/1/2004	12/29/2006	NA	NA	NA		Executed
22	11/18/2003	11/18/2003	Active	WT	W	38		Solano	CA	PGE	New Birds Lndng Sw Sta near Contra Costa PP Sub	6/30/2005	12/31/2011	NA	Complete	Complete		GSFA Executed
23	11/17/2003	11/24/2003	Complete	CC	NG	72		San Bernardino	CA	SCE	San Bernardino 220+M127 kV	11/1/2004	10/1/2005	NA	Complete	Complete		IFA Executed
24	1/30/2004	1/30/2004	Active	WT	W	150		Solano	CA	PGE	High Winds/Contra Costa PP	12/31/2006	11/28/2008	NA	Complete	Complete		GSFA Executed
25	2/5/2004	2/5/2004	Withdrawn 6/11/07	WT	W	117		San Diego	CA	SDGE	Crestwood	6/6/2005	6/1/2007	NA	In Progress			
26	2/12/2004	2/12/2004	Withdrawn 8/23/07	WT	W	36		San Diego	CA	SDGE	Crestwood	4/1/2006	1/1/2008	NA	In Progress			
27	2/23/2004	2/23/2004	Withdrawn 10/19/07	CC	NG	650		San Diego	CA	SDGE	230/138/69 kV South Bay (650 MW CC)	1/1/2010	1/1/2010	NA	Complete	Complete		In Progress
28	2/25/2004	2/25/2004	Active	CT	NG	145.1		San Francisco	CA	PGE	Potrero 115 kV Sub	12/1/2006	6/1/2008	NA	Complete	Complete		Executed
29	3/8/2004	3/29/2004	Active	WT	W	201		Lake & Sonoma	CA	PGE	Collector Substation at Geysers #17 & Fulton 230 kV line	12/1/2006	7/1/2009	NA	Complete	Re-study in Progress		In Progress
30	4/26/2004	4/26/2004	Active	CT	NG	48.7		San Francisco	CA	PGE	SF Airport Substation	6/1/2006	6/1/2008	NA	Complete	Complete		GSFA Executed
31	4/12/2004	5/11/2004	Withdrawn 4/18/08	WT	W	201		Kern	CA	SCE	Monolith Substation	12/31/2007	6/1/2010	NA	Complete	In Progress		
32	5/12/2004	5/24/2004	Active	WT	W	201		San Diego	CA	SDGE	Boulevard - Crestwood 69-kV transmission line	9/1/2007	12/1/2008	NA	Complete	In Progress		
33	7/9/2004	7/12/2004	Complete	ST	G	10		Churchill	NV	SCE	Bishop Control Sub	7/14/1988	5/31/2006	NA	Complete	Complete		GSFA Executed
34	7/19/2004	7/19/2004	Withdrawn 4/18/08	WT	W	300		Kern	CA	SCE	Monolith Substation	7/1/2007	7/1/2011	NA	Complete	In Progress		
35	10/25/2004	10/25/2004	Withdrawn 4/12/07	CT	NG	49.9		Fresno	CA	PGE	115 KV Panoche Sub	5/31/2006	5/31/2006	NA	Complete	Complete		Tendered
36	11/1/2004	11/1/2004	Withdrawn 2/8/07	CT	NG	99.9		Stanislaus	CA	PGE	115 kV Tesla - Stockton-Cogen-Trans-Line	5/31/2006	5/31/2006	NA	Complete	Complete		Tendered
37	11/8/2004	11/8/2004	Active	CT	NG	74.9		San Joaquin	CA	PGE	Tesla Substation	1/1/2007	1/1/2010	NA	Complete	Complete		In Progress
38	10/19/2004	11/11/2004	Active	IC	NG	146.4		Humboldt	CA	PGE	Humboldt Power Plant Substation	8/1/2008	6/30/2009	NA	Complete	Complete		In Progress
39	11/11/2004	11/11/2004	Active	WT	W	200		Solano	CA	PGE	New Birds Lndng Sw Sta near Contra Costa PP Sub	12/31/2008	12/22/2009	NA	Complete	Complete		Executed
40	10/19/2004	11/11/2004	Active	IC	NG	118		Alameda	CA	PGE	Eastshore Substation	5/1/2007	10/1/2009	NA	Complete	Complete		Executed
41	11/9/2004	11/18/2004	Active	CT	NG	157		Kern	CA	SCE	Pastoria Substation	7/31/2006	7/31/2006	NA	Complete	In Progress		
42	11/24/2004	11/26/2004	Active	CT	NG	300		Fresno	CA	PGE	McCall Substation	5/31/2007	3/31/2013	NA	Complete	Complete		Executed
43	11/29/2004	11/29/2004	Withdrawn 6/27/06	IC	NG	168.7		San Joaquin	CA	PGE	Tesla-Bellota 230 kV line	1/1/2008	10/1/2007	NA	Complete			Tendered
44	11/29/2004	11/29/2004	Withdrawn 3/30/06	IC	NG	126.5		Madera	CA	PGE	Borden Substation 230 kV Bus	1/1/2008	10/1/2007	NA	Complete	Complete		
45	12/1/2004	12/1/2004	Active	CT	NG	361		Alameda	CA	PGE	Eastshore substation	7/31/2006	6/1/2010	NA	Complete	Re-study Complete		Executed
46	12/1/2004	12/1/2004	Withdrawn 5/11/07	CT	NG	531		Contra-Costa	CA	PGE	Tesla-Tracy #1 230 kV Line - Tracy Sub	7/31/2006	7/31/2008	NA	Complete	Complete		
47	12/1/2004	12/1/2004	Withdrawn 2/26/08	CT	NG	200.6		Fresno	CA	PGE	Herndon - Kearney 230 kV line	6/30/2008	6/30/2008	NA	Complete	Complete		In Progress
48	12/1/2004	12/1/2004	Withdrawn 4/6/06	S	NG	590		Contra-Costa	CA	PGE	Contra-Costa Power Plant 230 kV Substation	1/1/2008	10/1/2008	NA	Complete	Complete		Tendered
49	12/14/2004	12/14/2004	Active	WT	W	100.5		Riverside	CA	SCE	Devers Substation	12/1/2006	1/1/2008	NA	Re-Study In Progress			
50	12/21/2004	12/21/2004	Active	CC	NG	810		Riverside	CA	SCE	SCE Valley Substation	5/31/2008	8/4/2008	NA	Complete	Complete		IA Executed
51	12/20/2004	12/21/2004	Complete	IC	NG	0.55		Fresno	CA	PGE	70 kV Kerman-Helm transmission line	4/30/2005	5/31/2006	NA	NA	NA		GSFA Executed
52	12/1/2004	12/21/2004	Active	CT	NG	401		Fresno	CA	PGE	Panoche Sub Station	6/30/2008	8/1/2009	NA	Re-Study Complete	Re-study Complete		Executed
53	12/1/2004	12/22/2004	Withdrawn 7/24/06	CT	NG	116.8		Placer	CA	PGE	Pleasant Grove Sub Station	6/1/2008	6/1/2008	NA	Complete	Complete		Tendered
54	11/11/2004	1/12/2005	Active	CT	NG	119.9		Fresno	CA	PGE	Panoche Substation	6/1/2008	1/1/2009	NA	Complete	Re-study Complete		Executed
55	12/1/2004	1/13/2005	Withdrawn 11/13/07	CC	NG	673		Fresno	CA	PGE	Helm substation	7/31/2008	7/31/2008	NA	Re-Study Complete	Tendered		

Notes:

This Queue posting reflects the requirements of the FERC Order 2003 for Large Generator Interconnection Procedures (LGIP). Generator Interconnection Requests or applications Completed or Withdrawn prior to this posting are not shown. Future withdrawals will be indicated in the Application Status as Withdrawn and their Queue position will be retired. Weekly posting is anticipated.

Legend:

- **Generator Type Key:** IC=Internal Combustion, ST=Steam Turbine, CT=Combustion Turbine, CC=Combined Cycle, H=Hydro, WT=Wind Turbine, PV=Photovoltaic, RE=Reciprocating Engine
- **Fuel Type Key:** W=Wind, NU=Nuclear, NG=Natural Gas, O=Oil, C=Coal, B=Biomass, S=Solar, LFG=Land Fill Gas, WTR=Water, G=Geothermal, HR=Heat Recovery

				Generating Facility		Maximum MWs		Location		Point of Interconnection				Study Availability				
Queue Position	Interconnection Request Receive Date	Queue Date	Application Status	Type	Fuel	Summer	Winter	County	State	Utility	Station or Transmission Line	Proposed On-line Date (as filed with IR)	Current On-line Date	Feasibility Study (IFS)	System Impact Study (SIS)	Facility Study (FAS)	Optional Study (OS)	Interconnection Agreement Status
56	12/21/2004	1/25/2005	Withdrawn 5/31/07	CC	NG	634		Clark	NV	SCE	El-Dorado 230 kV Substation	6/1/2007	8/1/2009	NA	Complete	Complete		
57	12/1/2004	2/8/2005	Active	CC	NG	715		Colusa	CA	PGE	Between Cottonwood and Vaca-Dixon	1/1/2010	5/1/2010	NA	Complete	Complete		Executed
58	1/25/2005	2/22/2005	Active	ST	G	62		Mineral	NV	SCE	Control 115kV Substation	10/7/2007	2/1/2012	NA	Complete	Complete	TAS II Completed	Filed Unexecuted
59	3/25/2005	3/28/2005	Withdrawn 8/2/06	CT	NG	97.2		Kings	CA	PGE	Henrietta Substation-70 kV	1/1/2008	1/1/2008	NA	Complete	Complete		Tendered
60	3/28/2005	3/28/2005	Active	CT	NG	94		Kern	CA	PGE	Kern Oil Substation 115 kV	3/31/2007	3/31/2013	NA	Complete	Complete		Executed
61	3/28/2005	3/30/2005	Complete	ST	NG	73.27		Fresno	CA	PGE	70kV Helm-Kerman	5/31/2006	5/31/2006	NA	Complete	Complete		Executed
62	3/28/2005	4/13/2005	Withdrawn 2/21/06	CC	NG	166.5		Humboldt	CA	PGE	Humboldt Bay-Humboldt #1-115 kV	5/31/2007	6/1/2007	NA		Tendered		
63	3/25/2005	4/18/2005	Withdrawn 1/4/07	CC	NG	168		Contra-Costa	CA	PGE	Contra-Costa (230 kV)	1/1/2008	1/1/2008	NA	Complete	Re-study in Progress		Tendered
64	3/30/2005	4/28/2005	Withdrawn 1/13/06	CT	NG	147		Humboldt	CA	PGE	Humboldt Bay Power Plant Sub	5/1/2008	3/1/2008	NA	Complete	Complete		
65	5/6/2005	5/6/2005	Withdrawn 4/11/07	CT	NG	424.8		Los Angeles	CA	SCE	Long Beach Gen Station 220kv switchyard	1/1/2007	6/1/2010	NA	Complete	Complete		
66	5/6/2005	5/6/2005	Active	CT	NG	500.5		Los Angeles	CA	SCE	Walnut Substation	9/1/2007	3/5/2011	NA	Re-Study In Progress	Complete		Executed
67	3/28/2005	5/9/2005	Active	CC	NG	245		Alameda	CA	PGE	Eastshore Substation	7/31/2008	7/31/2008	NA	Complete	Re-study Complete		Executed
68	3/30/2005	5/11/2005	Active	Other	S	850		San Bernardino	CA	SCE	Pisgah 230 kV Substation	12/31/2009	12/31/2009	Waived	Re-Study In Progress	In Progress	Complete	
69	5/6/2005	6/7/2005	Withdrawn 5/17/06	CT	NG	527		San Bernardino	CA	SCE	Etiwanda 230kV Substation	8/1/2008	8/1/2008	NA	Complete	Complete		
70	5/9/2005	6/14/2005	Active	IC	LF	10.7		San Mateo	CA	PGE	Hillsdale Junction-Half Moon Bay 60 kV line	12/23/2005	9/4/2008	NA	Complete	Complete		GSFA Executed
71	5/6/2005	6/15/2005	Withdrawn 1/11/06	CC	NG	591		Clark	NV	SCE	Eldorado 500/230kV Substation	2/28/2007	1/31/2007	Complete	Tendered	Complete		
72	4/26/2005	6/21/2005	Active	H	WTR	500		Riverside	CA	SCE/SDGE	Proposed Lee Lake Substation	12/31/2008	12/31/2008	NA	Complete	Complete		In Progress
73	6/6/2005	6/27/2005	Active	WT	W	250		Kern	CA	SCE	Antelope Sub	12/31/2007	12/31/2008	NA	Complete	In Progress		
74	7/12/2005	7/12/2005	Active	WT	W	102		Shasta	CA	PGE	230kV line btn Pit#3 & Round Mtn	12/15/2007	9/30/2009	Complete	Complete	Re-study Complete		Executed
75	4/28/2005	7/15/2005	Active	ST	B	10.5		Madera	CA	PGE	Le Grand-Chowilla 115 kV	12/31/2005	1/31/2008	NA	Complete	Complete		GSFA Executed
76	4/28/2005	7/15/2005	Active	ST	B	10.5		Merced	CA	PGE	PG&E Merced #1 70 kV circuit	7/1/2006	2/29/2008	NA	Complete	Complete		GSFA Executed
77	8/19/2005	8/22/2005	Withdrawn 6/26/06	WT	W	300		Kern	CA	SCE/PG&E	TBD Bakersfiled	11/30/2007	11/30/2007	Complete	Tendered	Complete		
78	8/31/2005	8/31/2005	Active	Other	S	300		Imperial	CA	SDGE	Imperial Valley Substation	12/31/2009	12/31/2009	Waived	Complete	Complete		Executed
79	5/24/2005	9/7/2005	Active	WT	W	51		Kern	CA	SCE	Proposed "New" Dutchwind Substation	6/1/2006	5/31/2009	Complete	Complete	In Progress		
80	9/12/2005	9/12/2005	Active	CC	NG	610		Los Angeles	CA	SCE	Laguna Bell Substation 230 kV	7/31/2008	3/31/2009	Waived	Re-Study Complete	Re-study Complete		
81	9/13/2005	9/13/2005	Complete	ST	G	55		Lake	CA	PGE	Geysers #17 - Fulton 230 kV Line	9/1/2006	11/1/2007	Waived	Complete	Complete		Executed
82	6/10/2005	9/14/2005	Withdrawn	ST	B	6.8		Humboldt	CA	PGE	Rio-Dell Substation 60 kV	1/1/2006	1/1/2006	Waived	Complete	Waived		
83	9/16/2005	9/16/2005	Active	WT	W	60		San Bernardino	CA	SCE	Lugo-Pisgah No. 2 230 kV tran line	12/31/2008	6/1/2010	Complete	Complete	Complete		
84	11/22/2005	12/1/2005	Active	WT	W	340		Kern	CA	SCE	Cottownwind Substation	12/31/2009	12/31/2009	NA	Complete	In Progress		
85	12/28/2005	12/28/2005	Withdrawn 3/26/08	WT	W	120		Kern	CA	SCE	Segment 3-230 Collector Loop Tehachapi	12/31/2007	12/31/2009	NA	Complete	Tendered		
86	12/30/2005	12/30/2005	Withdrawn 4/7/06	CT	NG	49.9		Kern	CA	PGE	Kern Oil-Vedder 115 kV Line	3/1/2008	3/1/2008					
86A	1/20/2006	1/20/2006	Active	WT	W	33.1		Kern	CA	SCE	Vincent Substation	1/1/2008	10/1/2009	NA	Complete	In Progress		
86B	1/20/2006	1/20/2006	Active	WT	W	34		Kern	CA	SCE	Canwind Substation	1/1/2008	10/1/2009	NA	Complete	In Progress		
87	2/3/2006	2/3/2006	Withdrawn 3/9/06	ST	NU	28		San Luis Obispo	CA	PGE	Diablo Canyon Substation Circuit Breakers 532 and 632	12/8/2005	12/8/2005					
88	2/10/2006	2/10/2006	Withdrawn 2/14/08	CC	NG	613.5		Los Angeles	CA	SCE	Hinson Substation 230 kV bus	7/1/2011	7/1/2011	Complete	Re-Study Complete	Tendered		
89	2/13/2006	2/13/2006	Active	CC	NG	570		San Bernardino	CA	SCE	Caldwell-Victor line	7/1/2009	4/1/2010	Waived	Complete	In Progress		
90	2/16/2006	2/16/2006	Active	CT	NG	93		San Diego	CA	SDGE	Existing radial 69kV gen-tie line to TL6929	6/1/2007	1/1/2009	Complete	Complete	In Progress		
91	2/22/2006	2/22/2006	Active	WT	W	51		Kern	CA	SCE	Segment 3 of Antelope Transmission Project	3/31/2010	3/31/2010	NA	Complete	In Progress		
92	2/24/2006	2/24/2006	Active	CC	NG	570		Los Angeles	CA	SCE	Vincent 230 kV	7/1/2009	8/1/2010	NA	Complete	Tendered		
93	3/1/2006	3/1/2006	Active	WT	W	220		Kern	CA	SCE	Tehachapi Conceptual Substation #1	12/31/2008	12/31/2008	NA	Complete	In Progress		
94	3/1/2006	3/1/2006	Active	WT	W	180		Kern	CA	SCE	Tehachapi Conceptual Substation #2	12/31/2008	12/31/2008	NA	Complete	In Progress		
95	3/1/2006	3/1/2006	Active	WT	W	550		Kern	CA	SCE	Tehachapi Conceptual Substation #1	12/31/2009	12/31/2009	NA	Complete	In Progress		
96	3/1/2006	3/1/2006	Active	WT	W	600		Kern	CA	SCE	Tehachapi Conceptual Substation #1	12/31/2009	12/31/2009	NA	Complete	In Progress		
97	3/1/2006	3/1/2006	Active	WT	W	160		Kern	CA	SCE	Tehachapi Conceptual Substation #5	12/31/2009	12/31/2009	NA	Complete	In Progress		
98	3/9/2006	3/9/2006	Complete	ST	NU	37		San Luis Obispo	CA	PGE	Diablo Canyon Substation Circuit Breakers 532 and 632	12/8/2005	1/1/2006	NA	Complete	NA		NA
99	3/29/2006	3/29/2006	Complete	ST	NU	45		San Luis Obispo	CA	PGE	Diablo Canyon Substation Circuit Breakers 542 and 642	6/8/2006	6/8/2006	NA	Complete	NA		NA
100	4/5/2006	4/5/2006	Active	WT	W	120		Kern	CA	SCE	Vincent Substation through Sagebrush 230 kV line	12/31/2007	12/31/2009	NA	Complete	In Progress		
101	4/7/2006	4/7/2006	Withdrawn 10/17/06	CT	NG	100		Kern	CA	PGE	PG&E Kern Oil-Vedder 115 kV line	3/1/2008	3/1/2008	Complete	Tendered	Complete		
102	4/19/2006	4/19/2006	Withdrawn 1/17/08	WT	W	210		Monterey	CA	PGE	PG&E Coburn 230 kV Sub	11/30/2008	11/30/2008	Complete	Complete	Complete		In Progress
102A	4/21/2006	4/21/2006	Withdrawn 6/26/06	WT	W	100		Santa Barbara	CA	PGE	PG&E #2 Cabrillo Divide 115 kV line	12/31/2009	12/31/2009	Tendered				
103	5/2/2006	5/2/2006	Active	ST	B	27		San Diego	CA	SDGE	Border Substation 69 kV	12/1/2008	12/1/2008	Complete	Complete	In Progress		
104	4/14/2006	5/3/2006	Active	CT	NG	304		Los Angeles	CA	SCE	Laguna Bell 230 kV Substation	7/31/2009	7/31/2009	Waived	Re-Study In Progress	Re-Study In Progress		
105	5/4/2006	5/4/2006	Withdrawn 6/29/06	WT	W	100		Humboldt	CA	PGE	Between Rio-Del Junction and Bridgeville	10/30/2009	10/30/2009					
106	5/26/2006	5/26/2006	Active	ST	S	635		San Bernardino	CA	SCE	Mohave 500 kV Switchyard	12/31/2009	12/31/2010	Complete				
106A	5/1/2006	6/6/2006	Active	WT	W	160		San Diego	CA	SDGE	500 kV Imperial Valley-Miguel trans line	6/30/2008	6/30/2008	Complete	Complete	In Progress		
107	6/9/2006	6/9/2006	Withdrawn 11/17/06	WT	W	128		Solano	CA	PGE	Brighton-Contra-Costa 115 kV	3/1/2011	3/1/2011	Complete				
108	6/9/2006	6/9/2006	Active	WT	W	128		Solano	CA	PGE	Lambie-Contra Costa 230 kV	3/1/2011	3/1/2011	Complete	Complete	In Progress	Complete	
108A	6/14/2006	6/14/2006	Withdrawn 11/16/06	Other	S	300		San Luis Obispo	CA	PGE	Morro Bay Midway 230 kV circuit	3/1/2010	3/1/2010	Tendered				
109	6/14/2006	6/16/2006	Active	Other	S	550		San Bernardino	CA	SCE	Pisgah Substation	3/1/2011	3/1/2011	Complete				
110	6/14/2006	6/16/2006	Active	Other	S	1400		San Bernardino	CA	SCE	Pisgah Substation	3/1/2013	3/1/2013	Complete				
111	6/23/2006	6/26/2006	Active	ST	B	20		Kern	CA	PGE	Tap of Chevron 70kv tran line	8/31/2009	8/31/2009	NA	Complete	Complete		GSFA Executed
112	6/28/2006	6/28/2006	Active	WT	W	300		San Diego	CA	SDGE	500 kV Imperial Valley-Miguel trans line	10/31/2008	10/31/2008	Complete	Complete	In Progress		
113	6/29/2006	6/30/2006	Active	WT	W	30		Solano	CA	PGE	Birds Landing	4/1/2009	4/1/2009	Complete	Complete	Waived		In Progress
114	6/29/2006	7/12/2006	Active	WT	W	150		San Bernardino	CA	SCE	Victor 230 kV	7/1/2008	7/1/2008	Complete	In Progress			
115	6/29/2006	7/12/2006	Active	WT	W	150		San Bernardino	CA	SCE	Pisgah-Lugo 230kV Trans Line	7/1/2008	7/1/2008	Complete	In Progress			
116	6/29/2006	7/12/2006	Active	WT	W	50		San Bernardino	CA	SCE	Pisgah-Lugo Sub 230kV	7/1/2008	7/1/2008	Complete	In Progress			
117	7/7/2006	7/29/2006	Withdrawn 5/9/07	WT	W	70		Humboldt	CA	PGE	Bridgeville 115kV Substation	10/30/2009	10/30/2009	Complete	In Progress			

Notes:

This Queue posting reflects the requirements of the FERC Order 2003 for Large Generator Interconnection Procedures (LGIP). Generator Interconnection Requests or applications Completed or Withdrawn prior to this posting are not shown. Future withdrawals will be indicated in the Application Status as Withdrawn and their Queue position will be retired. Weekly posting is anticipated.

Legend:

- **Generator Type Key:** IC=Internal Combustion, ST=Steam Turbine, CT=Combustion Turbine, CC=Combined Cycle, H=Hydro, WT=Wind Turbine, PV=Photovoltaic, RE=Reciprocating Engine
- **Fuel Type Key:** W=Wind, NU=Nuclear, NG=Natural Gas, O=Oil, C=Coal, B=Biomass, S=Solar, LFG=Land Fill Gas, WTR=Water, G=Geothermal, HR=Heat Recovery

				Generating Facility		Maximum MWs		Location		Point of Interconnection				Study Availability				
Queue Position	Interconnection Request Receive Date	Queue Date	Application Status	Type	Fuel	Summer	Winter	County	State	Utility	Station or Transmission Line	Proposed On-line Date (as filed with IR)	Current On-line Date	Feasibility Study (IFS)	System Impact Study (SIS)	Facility Study (FAS)	Optional Study (OS)	Interconnection Agreement Status
118	8/2/2006	8/4/2006	Withdrawn 11/28/07	CC	NG	550		Mohave	AZ	SCE	SCE-Mojave Substation	1/8/2009	1/8/2009	Re-study-Complete	Tendered			
119	8/8/2006	8/8/2006	Active	WT	W	500		Kern	CA	SCE	Tehachapi Conceptual Substation #1	12/31/2010	12/31/2010	Complete				
120	8/9/2006	8/9/2006	Active	Other	S	1200		San Bernardino	CA	SCE	Mojave 500 kV Switchyard	3/1/2011	3/1/2011	In Progress				
121	8/16/2006	8/17/2006	Active	CT	NG	49		San Diego	CA	SDGE	SDG&E Miramar GT Substation	3/31/2009	4/1/2009	Waived	Complete	Complete		In Progress
122	8/16/2006	8/17/2006	Withdrawn 1/16/07	CT	NG	99		Orange	CA	SDGE	SDG&E Margarita Substation	3/31/2009	6/30/2008	Waived	In Progress			
123	8/16/2006	8/17/2006	Withdrawn 1/16/07	CT	NG	99		San Diego	CA	SDGE	SDG&E Pala Substation	3/31/2009	6/30/2008	Waived	In Progress			
124	8/22/2006	8/22/2006	Active	Other	S	600		Imperial	CA	SDGE	Imperial Valley Substation	3/1/2011	3/1/2011	Waived	Complete	In Progress		
125	8/22/2006	8/22/2006	Active	ST	S	250		San Bernardino	CA	SCE	Kramer-Coolwater 220kV Line #1	8/1/2010	8/1/2010	Complete	In Progress			
126	8/31/2006	8/31/2006	Active	WT	W	1500		Clark	NV	SCE	Eldorado Substation	12/31/2011	12/31/2011	Complete	In Progress			
127	8/22/2006	9/1/2006	Withdrawn 7/11/07	Other	HR	27.2		Contra-Costa	CA	PG&E	115kV Oleum Switchyard	8/1/2008	8/1/2008	Waived	Complete	Tendered		
128	9/1/2006	9/1/2006	Active	CT	NG	565	600	Fresno	CA	PGE	McCall Substation	12/1/2010	12/1/2010	Complete	Complete	In Progress		
129	9/13/2006	9/13/2006	Withdrawn 10/24/06	WT	W	400		San Bernardino	CA	SCE	Pisgah 230kV Substation	3/1/2010	3/1/2010					
130	9/13/2006	9/13/2006	Withdrawn 4/1/08	Other	S	565		San Bernardino	CA	SCE	Mohave-Generating Station	12/31/2010	12/31/2010	In Progress				
131	9/25/2006	9/25/2006	Active	ST	S	100		San Bernardino	CA	SCE	Loop new sub connecting to Eldorado-Mtn Pass 115kV line	6/30/2010	6/30/2010	Complete	Complete	In Progress		
132	9/27/2006	9/27/2006	Active	WT	W	297		Kern	CA	SCE	SCE 230kV Conceptual Substation #2	12/31/2009	12/31/2009	In Progress				
133	10/3/2006	10/3/2006	Withdrawn 12/21/06	WT	W	140		San Bernardino	CA	SCE	Pisgah-Lugo 230kV	3/1/2010	3/1/2010	Tendered				
134	10/9/2006	10/9/2006	Withdrawn 1/31/07	CT	NG	200		Kern	CA	SCE	Pastoria Substation	6/31/2010	6/31/2010					
135	10/10/2006	10/10/2006	Active	WT	W	60		San Bernardino	CA	SCE	Lugo-Pisgah 230kV Transmission Line	9/15/2008	9/15/2008	Complete	In Progress			
136	10/16/2006	10/16/2006	Active	CT	NG	300		San Bernardino	CA	SCE	Etiwanda 230kV Substation	1/1/2010	1/1/2010	Waived	Complete	In Progress		
137	10/17/2006	10/17/2006	Active	CT	NG	300		San Diego	CA	SDGE	Encina Plant 230kV bus	8/1/2008	8/1/2008	Waived	Complete	In Progress		
138	10/23/2006	10/23/2006	Active	WT	W	150		Riverside	CA	SCE	Devers-Vista 230kV #1	12/31/2008	12/31/2008	Waived	Complete	In Progress		
139	10/24/2006	10/24/2006	Active	CC	NG	698		San Bernardino	CA	SCE	SCE Rancho Vista 500kV Sub	6/1/2010	6/1/2010	Waived	Complete	In Progress		
140	10/31/2006	10/31/2006	Withdrawn 2/26/07	ST	G	75		Inyo	CA	SCE	Coso-Kramer 230 kV	8/18/2011	8/18/2011	Tendered				
141	11/3/2006	11/3/2006	Withdrawn 8/24/07	CT	NG	504		San Bernardino	CA	SCE	SCE Rancho Vista 500kV Sub	6/1/2010	6/1/2010	Waived	Complete	Tendered		
142	11/6/2006	11/6/2006	Active	ST	S	80		San Bernardino	CA	SCE	Kramer Substation	12/31/2009	12/31/2009	Complete	In Progress			
143	11/6/2006	11/6/2006	Active	ST	S	80		San Bernardino	CA	SCE	Kramer Substation	12/31/2009	12/31/2009	Complete	In Progress			
144	11/6/2006	11/6/2006	Active	ST	S	320		San Bernardino	CA	SCE	Kramer Substation	12/31/2009	12/31/2009	Complete	In Progress			
145	11/8/2006	11/8/2006	Active	CC	HR	591		Clark	NV	SCE	Eldorado 500 kV Substation	6/1/2010	6/1/2010	Complete	In Progress			
146	11/16/2006	11/16/2006	Active	PV	S	150		Riverside	CA	SCE	Eagle Mountain Substation	12/1/2008	12/1/2008	Complete	In Progress			
147	11/16/2006	11/16/2006	Active	PV	S	400		Riverside	CA	SCE	Eagle Mountain Substation	2/1/2010	2/1/2010	Complete	In Progress			
148	11/16/2006	11/16/2006	Withdrawn 2/1/07	ST	G	90		Churchill	NV	SCE	Oxbow 230kV Substation	10/1/2011	10/1/2011					
149	11/16/2006	11/16/2006	Active	WT	W	362		Kern	CA	SCE	SCE Highwind Sub #2 (proposed) 230 kV	12/31/2009	12/31/2009	In Progress				
150	11/16/2006	11/16/2006	Active	CT	NG	43		San Diego	CA	SDGE	Border Substation	5/31/2008	5/15/2011	Complete	Re-Study In Progress			
151	11/17/2006	11/17/2006	Withdrawn 12/11/06	CT	NG	510		San Bernardino	CA	SCE	Chino Substation 230kV Line	5/1/2011	5/1/2011					
152	11/22/2006	11/22/2006	Active	WT	W	105		Santa Barbara	CA	PGE	No. 1 & No. 2 Mesa-Divide 115kV Lines	12/31/2009	12/31/2009	Complete	In Progress			
153	11/22/2006	11/22/2006	Active	WT	W	100		Kern	CA	SCE	66kV Antelope-Neenach-Bailey line	5/30/2008	5/30/2008	In Progress				
154	11/28/2006	11/30/2006	Active	ST	S	500		Kern	CA	SCE	Kramer 230 kV Substion	12/31/2009	12/31/2012	Complete	In Progress			
155	12/1/2006	12/1/2006	Active	CT	NG	300		Alameda	CA	PGE	Oakland C 115kV substation	5/31/2010	5/31/2012	Complete	Complete			
156	12/5/2006	12/5/2006	Active	WT	W	201		San Bernardino	CA	SCE	Lugo-Pisgah 230 kV circuit #1	3/1/2009	3/1/2009	In Progress				
157	12/15/2006	12/15/2006	Active	WT	W	100		Kern	CA	SCE	66kV Rosamond-Antelope line	5/30/2008	5/30/2008	In Progress				
158	12/15/2006	12/15/2006	Active	WT	W	100		Kern	CA	SCE	66kV Rosamond-Delsur line	5/30/2008	5/30/2008	In Progress				
159	12/15/2006	12/15/2006	Active	WT	W	100		Kern	CA	SCE	66kV Antelope-Neenach-Bailey line	5/30/2008	5/30/2008	In Progress				
159A	12/6/2006	12/22/2006	Active	WT	W	400		La Rumorosa, Baja CA	Mexico	SDGE	500kV Imperial Valley-Miguel transmission line	6/1/2009	6/1/2009	Complete	In Progress			
160	12/2/2006	12/29/2006	Withdrawn 9/17/07	ST	S	220		San Bernardino	CA	SCE	Kramer	1/1/2009	1/1/2009	In Progress				
161	12/27/2006	1/4/2007	Active	CT	NG	202		Los Angeles	CA	SCE	Harbor Cogen	5/1/2009	5/1/2010	Waived	Re-Study In Progress	In Progress		
162	11/16/2006	1/5/2007	Active	ST	S	114		San Bernardino	CA	SCE	Loop new sub connecting Eldorado-Mtn Pass 115kV line	6/30/2010	6/30/2010	Waived	In Progress			
163	1/9/2007	1/9/2007	Active	PV	S	300		San Bernardino	CA	SCE	Mountain Pass Substation	12/31/2010	12/31/2010	In Progress				
164	1/12/2007	1/12/2007	Active	WT	W	1000		La Rumorosa, Baja CA	Mexico	SDGE	Imperial Valley 230kV switchyard	10/1/2010	10/1/2010	Complete	In Progress			
165	1/16/2007	1/16/2007	Active	ST	S	400		San Bernardino	CA	SCE	Pisgah 230kV Substation bus	6/30/2011	6/30/2011	In Progress				
166	1/23/2007	1/23/2007	Active	PV	S	210		San Luis Obispo	CA	PGE	Midway-Morrow Bay 230kV line	12/31/2010	12/31/2010	Complete	In Progress			
167	1/25/2007	1/25/2007	Withdrawn 5/16/07	CC	NG	700		Riverside	CA	SCE	500kV line to Midpoint Switching Station	6/1/2012	6/1/2012	Tendered				
168	2/2/2007	2/2/2007	Active	WT	W	1000		La Rumorosa, Baja CA	Mexico	SDGE	Imperial Valley 500kV bus	12/31/2011	12/31/2011	Complete	Tendered			
169	2/2/2007	2/2/2007	Active	ST	S	211.6		Imperial	CA	SDGE	Imperial Valley 230kV bus	12/31/2011	12/31/2011	Complete	In Progress			
170	2/2/2007	2/2/2007	Active	ST	S	500		Kern	CA	SCE	Substation 5 (aka Whirlwind)	12/31/2011	12/31/2011	In Progress				
171	2/9/2007	2/9/2007	Active	WT	W	500		Solano	CA	PGE	Vaca-Tesla 500kV line	12/31/2011	12/31/2011	In Progress				
172	2/8/2007	2/15/2007	Active	CC	NG	508		San Joaquin	CA	PGE	Tesla-Bellota 230kV lines	5/15/2011	5/15/2011	Complete	In Progress			
173	2/16/2007	2/16/2007	Active	CT	NG	49.9		San Diego	CA	SDGE	Pala 69kV Substation	5/1/2008	5/1/2009	Waived	Complete	In Progress		
174	2/16/2007	2/16/2007	Withdrawn 6/12/07	WT	W	30		Riverside	CA	SCE	Devers-Venwind 115kV line	12/1/2008	12/1/2008	Tendered				
175	2/21/2007	2/21/2007	Active	WT	W	500		Kern	CA	SCE	SCE Proposed Whirlwind 230kV Substation	9/30/2008	9/30/2008	In Progress				
176	2/23/2007	2/23/2007	Active	CT	NG	49.9		San Diego	CA	SDGE	Margarita 138kV Substation	5/1/2008	7/20/2008	Waived	Complete	Complete		Tendered
177	2/27/2007	2/28/2007	Active	WT	W	100		Contra Costa	CA	PGE	Bahia - Moraga 230 kV Line	12/31/2011	12/31/2011	Complete	In Progress			
178	2/27/2007	2/28/2007	Withdrawn 11/19/07	WT	W	100		Merced	GA	PGE	Los Banos 230kV bus near Pacheco Pass	12/31/2011	12/31/2011	Complete	In Progress			
178A	2/27/2007	2/28/2007	Active	WT	W	500		Mexicali/Ensenada/Tecate	Mexico	SDGE	Miguel 230kV Bus	6/15/2010	7/1/2011	Complete	In Progress			
178B	2/27/2007	2/28/2007	Active	WT	W	500		Mexicali/Ensenada/Tecate	Mexico	SDGE	Imperial Valley 230kV Substation	6/15/2010	6/15/2010	Complete	In Progress			
179	2/15/2007	3/1/2007	Active	ST	S	300		San Bernardino	CA	SCE	Julian Hinds 230kV Substation	12/31/2010	12/31/2010	In Progress				
180	3/2/2007	3/2/2007	Withdrawn 5/1/08	CC	NG	564		San Bernardino	CA	SCE	New 230kV Switchyard on the Mira-Loma-Vista #2 line	5/1/2011	5/1/2011	Complete	Tendered			

Notes:

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				Generating Facility		Maximum MWs		Location		Point of Interconnection				Study Availability				
Queue Position	Interconnection Request Receive Date	Queue Date	Application Status	Type	Fuel	Summer	Winter	County	State	Utility	Station or Transmission Line	Proposed On-line Date (as filed with IR)	Current On-line Date	Feasibility Study (IFS)	System Impact Study (SIS)	Facility Study (FAS)	Optional Study (OS)	Interconnection Agreement Status
181	3/2/2007	3/2/2007	Withdrawn 5/1/08	CT	NG	400		San Bernardino	CA	SCE	New 230kV switchyard on the Chino-Serrano line	3/1/2010	3/1/2010	Complete	Tendered			
182	3/5/2007	3/5/2007	Active	PV	S	500		Kern	CA	SCE	Tehachapi Conceptual Substation	12/31/2010	12/31/2010	In Progress				
183	3/5/2007	3/5/2007	Active	WT	W	300		La Rumorosa, Baja CA	Mexico	SDGE	500kV Imperial Valley-Miguel transmission line	11/1/2009	11/1/2009	In Progress	Tendered			
184	3/5/2007	3/5/2007	Active	ST	G	35		Sonoma	CA	PGE	Geysers #3 - Cloverdale 115 kV Line	1/1/2010	1/1/2010	Complete	Complete	In Progress		
185	3/6/2007	3/6/2007	Active	ST	G	150		Mineral	NV	SCE	Bishop, CA Control Sub	8/1/2011	1/1/2011	Waived	In Progress			
186	3/7/2007	3/7/2007	Withdrawn 11/28/07	CT	NG	241		San Joaquin	CA	PGE	Stockton A-Lockeford-Bellota 115kV #1 lines & Tesla-Tr	12/31/2009	12/31/2009	Complete				
187	3/14/2007	3/14/2007	Active	ST	G	50		Sonoma	CA	PGE	Geysers-Fulton 230kV transmission line	1/1/2011	1/1/2011	Waived	Complete	In Progress		
188	3/23/2007	3/23/2007	Active	WT	W	200		Kern	CA	SCE	Windhub Substation	12/15/2013	12/15/2013	In Progress				
189	3/30/2007	3/30/2007	Active	CC	NG	280		San Diego	CA	SDGE	Encina 138kV Substation	5/1/2010	5/1/2010	Waived	Complete	In Progress		
190	3/30/2007	3/30/2007	Active	CT	NG	330		San Diego	CA	SDGE	Proposed Otay Mesa Energy Center 230kV Substation	3/1/2011	3/1/2011	Complete	In Progress			
191	4/2/2007	4/2/2007	Withdrawn 10/1/07	CT	NG	345		San Diego	CA	SDGE	Penasquitos-Old Town 230kV transmission line	3/1/2010	3/1/2010	Complete	Tendered			
192	4/2/2007	4/2/2007	Withdrawn 10/1/07	CT	NG	345		San Diego	CA	SDGE	San Luis Rey-Mission 230kV transmission line-	3/1/2010	3/1/2010	Complete	Tendered			
193	3/19/2007	4/2/2007	Active	ST	S	500		Riverside	CA	SCE	Julian Hinds 230kV Substation	12/31/2010	12/31/2010	In Progress				
194	4/5/2007	4/5/2007	Active	ST	S	190		San Luis Obispo	CA	PGE	230kV lines near Carrizo Plain Substation	12/31/2010	12/31/2011	Complete	Complete			
195	4/6/2007	4/6/2007	Withdrawn 9/21/07	CC	NG	725		Kern	CA	SCE	Springerville-Magunden 230kV line	4/1/2013	4/1/2013	Waived	In Progress			
196	4/13/2007	4/13/2007	Active	CT	NG	508		Madera	CA	PGE	Borden Substation 230kV Bus	7/1/2011	4/15/2012	Complete	In Progress			
197	4/16/2007	4/16/2007	Withdrawn 12/3/07	CT	NG	345		San Diego	CA	SDGE	Otay Mesa 230kV switchyard	12/1/2011	12/1/2011	Complete	Tendered			
198	4/18/2007	4/18/2007	Withdrawn 1/11/08	CT	NG	400		San Diego	CA	SDGE	QMEC interconnection substation	2/28/2010	2/28/2010	Complete	Tendered			
199	4/19/2007	4/19/2007	Withdrawn 3/3/08	CT	NG	50		San Joaquin	CA	PGE	60kV bus at Posdef QF facility	12/31/2009	12/31/2009	Waived	Complete	Tendered		
200	4/19/2007	4/19/2007	Withdrawn 5/14/07	CT	NG	200		Riverside	CA	SCE	Mira-Loma Substation	5/31/2010	5/31/2010					
201	4/19/2007	4/19/2007	Active	CT	NG	99		San Diego	CA	SDGE	Pala Substation	5/31/2008	5/31/2009	Waived	Complete	In Progress		
202	4/19/2007	4/19/2007	Active	WT	W	198.65		San Bernardino	CA	SCE	Kramer-Coolwater 220kV Line #1	11/15/2013	11/15/2013	In Progress				
203	4/19/2007	4/19/2007	Active	WT	W	198.65		San Bernardino	CA	SCE	Coolwater-Tortilla 115kV line	11/15/2013	11/15/2013	In Progress				
204	4/19/2007	4/19/2007	Active	WT	W	149.4		San Bernardino	CA	SCE	Tortilla-Kramer 115 kV line	11/15/2013	11/15/2013	In Progress				
205	4/20/2007	4/20/2007	Active	ST	S	600		Clark	NV	SCE	El Dorado 220kV Switchyard	12/31/2010	12/31/2010	In Progress				
206	4/23/2007	4/23/2007	Withdrawn 6/20/07	CC	S	200		Los Angeles	CA	SCE	El Segundo 230kV Switchyard	4/30/2013	4/30/2013					
207	4/26/2007	4/26/2007	Withdrawn 3/6/08	CC	NG	557		Los Angeles	CA	SCE	Long Beach 230kV Switchyard	2/28/2013	2/28/2013	Complete	Tendered			
208	4/20/2007	5/3/2007	Withdrawn 4/7/08	PV	S	2		Alameda	GA	PGE	Tracy-Herdlyn 69kV line	6/1/2008	9/1/2008	NA	Waived	In Progress		
209	5/2/2007	5/3/2007	Active	WT	W	400		La Rumorosa, Baja CA	Mexico	SDGE	New 230/500kV substation near the 500kV IV-ML line	12/31/2010	12/31/2010	In Progress	Tendered			
210	5/3/2007	5/3/2007	Active	PV	S	600		Riverside	CA	SCE	Eagle Mountain Substation	12/31/2011	12/31/2011	In Progress				
211	4/23/2007	5/4/2007	Active	WT	W	201		Lassen	CA	PGE	Caribou 230kV Substation	10/31/2008	10/31/2008	Complete	Tendered			
212	5/9/2007	5/9/2007	Active	WT	W	50		Humboldt	CA	PGE	Bridgeville Substation	10/30/2010	10/30/2010	Complete	In Progress			
213	5/9/2007	5/9/2007	Active	WT	W	180		San Bernardino	CA	SCE	Coolwater 220kV bus	11/15/2010	11/15/2010	In Progress				
214	5/10/2007	5/10/2007	Active	WT	W	49.25		San Bernardino	CA	SCE	Coolwater-Kramer 115 kV line	12/15/2013	12/15/2013	In Progress				
215	5/21/2007	5/21/2007	Active	WT	W	420		La Rumorosa, Baja CA	Mexico	SDGE	Imperial Valley-Miguel 500kV	5/1/2011	5/1/2011	In Progress				
216	5/22/2007	5/22/2007	Withdrawn 7/24/07	CT	NG	98.8		San Diego	CA	SDGE	Otay Mesa Energy Center	3/31/2010	3/31/2010					
217	5/22/2007	5/22/2007	Withdrawn 7/24/07	CT	NG	98.8		San Diego	CA	SDGE	San Luis Rey-Melrose 69kV	3/31/2010	3/31/2010					
218	5/22/2007	5/22/2007	Withdrawn 7/24/07	CT	NG	98.8		San Diego	CA	SDGE	Loop-Talega-Escondido 230kV line	3/31/2010	3/31/2010					
219	5/7/2007	5/23/2007	Active	CT	NG	50		Riverside	CA	SCE	Midpoint switching station	6/1/2012	6/1/2012	In Progress				
220	5/23/2007	5/23/2007	Active	PV	S	450		San Bernardino	CA	SCE	Kramer-BLM West 220kV Line	12/1/2011	12/1/2011	In Progress				
221	5/23/2007	5/23/2007	Active	PV	S	450		San Bernardino	CA	SCE	Kramer-Coolwater 220kV Line #1	12/1/2011	12/1/2011	In Progress				
222	5/23/2007	5/23/2007	Active	WT	W	60		Solano	CA	PGE	Birds Landing Substation 230kV	12/31/2010	12/31/2010	Complete	Tendered			
223	5/29/2007	5/29/2007	Active	WT	W	170		San Bernardino	CA	SCE	Kramer-Coolwater 220kV Line #1	12/31/2010	12/31/2010	In Progress				
224	5/23/2007	5/30/2007	Withdrawn 7/23/07	RE	NG	99		San Diego	CA	SDGE	69kV line next to Calpeak Border site	5/1/2010	5/1/2010					
225	5/23/2007	6/4/2007	Active	CC	NG	640		Riverside	CA	SCE	500kV line to the new Midpoint switching station	6/1/2012	6/1/2012	In Progress				
226	5/16/2007	6/5/2007	Withdrawn 4/3/08	CC	NG	620		San Diego	CA	SDGE	New double circuit 230kV line into Escondido Substation	3/30/2012	3/30/2012	Complete	Tendered			
227	6/14/2007	6/14/2007	Withdrawn 3/10/08	WT	W	475		Marin	CA	PGE	Fulton-Ignacio 230kV #2 line	12/31/2010	12/31/2010	Complete	Tendered			
228	6/20/2007	6/20/2007	Withdrawn 10/22/07	CT	NG	630		Alameda	CA	PGE	Newark Substation 230kV bus	6/1/2011	6/1/2011	Tendered				
229	6/21/2007	6/21/2007	Active	PV	S	1000		San Bernardino	CA	SCE	Devers Substation	12/31/2013	12/31/2013	In Progress				
230	6/21/2007	6/21/2007	Active	PV	S	1000		San Bernardino	CA	SCE	Devers Substation	12/31/2013	12/31/2013	In Progress				
231	6/13/2007	6/25/2007	Active	WT	W	50		Riverside	CA	SCE	Venwind portion of Devers-Garnett-Venwind line	12/1/2009	12/1/2009	In Progress				
232	6/26/2007	6/26/2007	Withdrawn 8/6/07	RE	NG	99		San Diego	CA	SDGE	Talega-Escondido 230kV line	5/15/2010	5/15/2010					
233	6/27/2007	6/27/2007	Active	ST	S	200		San Bernardino	CA	SCE	New sub connecting to Mtn Pass-Wheaton 230kV line	6/30/2012	6/30/2012	Waived	In Progress			
234	6/27/2007	6/27/2007	Active	ST	S	400		Clark	NV	SCE	New sub connecting to Mtn Pass-Wheaton 230kV line	6/30/2013	6/30/2013	In Progress				
235	6/29/2007	6/29/2007	Active	CT	NG	630		Contra Costa	CA	PGE	Tesla-Tracy #1 230kV line	6/1/2011	6/1/2011	In Progress				
236	6/29/2007	6/29/2007	Active	CT	NG	630		San Joaquin	CA	PGE	Tesla Substation 230kV bus	6/1/2011	6/1/2011	In Progress				
237	6/12/2007	7/2/2007	Active	CC	NG	634		Clark	NV	SCE	Eldorado 220kV switchyard	5/1/2011	5/1/2011	Waived	In Progress			
238	7/11/2007	7/11/2007	Active	PV	S	45		San Luis Obispo	CA	PGE	Tembler-San Luis Obispo 115kV line	12/1/2008	12/1/2008	In Progress				
239	7/11/2007	7/11/2007	Active	PV	S	250		San Luis Obispo	CA	PGE	Midway-Morro Bay 230kV line	12/1/2010	12/1/2010	In Progress				
240	7/12/2007	7/12/2007	Active	ST	S	400		San Bernardino	CA	SCE	Pisgah Sub 230kV	6/30/2014	6/30/2014	In Progress				
241	7/12/2007	7/12/2007	Active	ST	S	400		San Bernardino	CA	SCE	Pisgah Sub 230kV	6/30/2015	6/30/2015	In Progress				
242	7/13/2007	7/13/2007	Active	PV	S	390		San Luis Obispo	CA	PGE	Morro Bay-Midway 230kV line	9/1/2012	9/1/2012	In Progress				
243	7/16/2007	7/16/2007	Active	WT	W	429		San Bernardino	CA	SCE	Pisgah 230kV Substation	12/30/2010	12/30/2010	In Progress				
244	7/16/2007	7/16/2007	Active	WT	W	120		Kern and Inyo	CA	SCE	Haiwee-Inyokern 115kV line	12/15/2010	12/15/2010	In Progress				
245	7/16/2007	7/16/2007	Active	WT	W	228		Riverside	CA	SCE	Devers-Mirage-Julian Hinds 230kV line	12/15/2010	12/15/2010	In Progress				
246	7/17/2007	7/17/2007	Active	WT	W	120		Kern	CA	SCE	Inyokern-Kramer 115kV line #3	12/15/2010	12/15/2010	In Progress				
247	7/30/2007	7/30/2007	Active	CC	NG	67		Madera	CA	PGE	Borden Substation 230kV Bus	7/1/2011						

				Generating Facility		Maximum MWs		Location		Point of Interconnection				Study Availability				
Queue Position	Interconnection Request Receive Date	Queue Date	Application Status	Type	Fuel	Summer	Winter	County	State	Utility	Station or Transmission Line	Proposed On-line Date (as filed with IR)	Current On-line Date	Feasibility Study (IFS)	System Impact Study (SIS)	Facility Study (FAS)	Optional Study (OS)	Interconnection Agreement Status
249	7/30/2007	7/30/2007	Active	WT	W	105		Monterey	CA	PGE	Moss-Linding-Salinas-Soledad 115kV #1 and #2 lines	2/1/2010	11/1/2010	Complete	In Progress			
250	7/30/2007	7/30/2007	Active	WT	W	140		Lake and Colusa	CA	PGE	Redbud-Cortina 115kV line	8/1/2009	10/1/2010	Complete	In Progress			
251	8/1/2007	8/1/2007	Active	PV	S	200		Riverside	CA	SCE	Eagle Mountain-Blythe 161kV line	12/15/2009	12/15/2009	In Progress				
252	7/10/2007	8/6/2007	Active	ST	NG	12.72		Los Angeles	CA	SCE	Redondo Beach Generating Station 220kV switchyard	5/23/2007	5/23/2007	Waived	In Progress			
253	8/13/2007	8/13/2007	Active	WT	W	40		Santa Barbara	CA	PGE	Cabrillo Substation 115kV	12/31/2011	12/31/2011	Complete				
254	8/21/2007	8/21/2007	Active	CC	NG	600		Kings	CA	PGE	Gates Substation 230kV bus	6/1/2012	6/1/2012	Complete	In Progress			
255	8/23/2007	8/23/2007	Active	ST	S	750		Kern	CA	SCE	Inyokern Substaion	12/28/2010	12/28/2010	In Progress	Tendered			
256	8/23/2007	8/23/2007	Withdrawn 9/18/07	PV	S	39		Fresno	CA	PGE	Mendota Biomass Substation	4/15/2009	4/15/2009					
257	9/10/2007	9/10/2007	Active	CC	NG	575		Solano	CA	PGE	New Fairfield Substation 230kV bus	6/1/2011	6/1/2011	Re-Study In Progress				
258	9/12/2007	9/12/2007	Active	CC	NG	520		Contra Costa	CA	PGE	Contra Costa Substation 230kV bus	2/1/2012	2/1/2012	In Progress				
259	9/12/2007	9/12/2007	Active	CC	NG	345		Sutter	CA	PGE	Rio Oso Substation 115kV bus	2/1/2012	2/1/2012	In Progress				
260	9/12/2007	9/12/2007	Active	CC	NG	260		San Joaquin	CA	PGE	Loop Gold Hill-Eight Mile Road 230kV line	2/1/2012	2/1/2012	In Progress				
261	9/28/2007	9/28/2007	Active	CC	NG	104		Los Angeles	CA	SCE	Hinson Substation 220kV	10/1/2010	10/1/2010	In Progress				
261A	10/9/2007	10/9/2007	Active	PV	S	5		Fresno	CA	PGE	Mendota-San Joaquin-Helm 70kV line	4/15/2009	4/15/2009	N/A	In Progress			
262	10/10/2007	10/10/2007	Active	RE	NG	390.6		Solano	CA	PGE	Birds Landing Substation 230 kV Bus	4/15/2012	4/15/2012	In Progress				
263	10/10/2007	10/10/2007	Withdrawn 2/13/08	CC	NG	634		Clark	NV	SCE	Eldorado Switchyard 220kV & NCP Merchant Substation 230kV	5/4/2011	5/4/2011	Waived	Tendered			
264	10/15/2007	10/15/2007	Active	WT	W	300		San Bernardino	CA	SCE	New substation connected to Mohave-Lugo 500kV Line	12/30/2010	12/30/2010	In Progress				
265	10/16/2007	10/16/2007	Withdrawn 12/5/07	PV	S	25		Riverside	CA	SCE	Eagle Mountain-Blythe 161kV line	12/1/2009	12/1/2009					
266	10/19/2007	10/19/2007	Active	CC	NG	325		Sutter	CA	PGE	Rio Oso Substation 230kV bus	2/1/2012	2/1/2012	In Progress				
267	10/23/2007	10/23/2007	Active	CC	NG	280		San Joaquin	CA	PGE	Gold Hill-Eight Mile 230kV lines	4/16/2012	4/16/2012	In Progress				
268	10/24/2007	10/24/2007	Active	ST	NG	145		San Joaquin	CA	PGE	Tesla-Manteca 115kV line via Schulte Switchyard	4/1/2013	4/1/2013	Waived	Tendered			
269	10/30/2007	10/31/2007	Active	RE	NG	371.3		San Joaquin	CA	PGE	Tesla Substation 230kV bus	4/15/2012	4/15/2012	In Progress				
270	11/1/2007	11/1/2007	Active	PV	S	700		Riverside	CA	SCE	Proposed Midpoint Substation 230kV	12/1/2011	12/1/2011	Tendered				
271	11/1/2007	11/1/2007	Active	PV	S	400		San Bernardino	CA	SCE	Lugo-Pisgah 230kV line	12/1/2012	12/1/2012	In Progress				
272	11/1/2007	11/1/2007	Active	CC/PV	NG/S	150		Kings	CA	PGE	Henrietta Substation 70kV bus	5/1/2010	5/1/2010	In Progress				
273	11/1/2007	11/1/2007	Withdrawn 1/31/08	CC/PV	NG/S	99.9		Kings	CA	PGE	Hanford Switchyard 115kV bus	5/4/2010	5/4/2010	Waived	Tendered			
274	11/5/2007	11/5/2007	Active	CC	NG	54		San Diego	CA	SDGE	Palomar Substation 230kV	6/1/2008	6/1/2008	Waived	In Progress			
275	11/7/2007	11/7/2007	Active	CT	NG	630		Solano	CA	PGE	Loop Vaca Dixon-Peabody & Vaca Dixon-Lambie 230 kV lines	9/1/2012	9/1/2012	In Progress				
276	11/9/2007	11/9/2007	Active	CC	NG	650		Contra Costa	CA	PGE	Contra Costa Switchyard 230kV bus	1/15/2012	1/15/2012	In Progress				
277	11/15/2007	11/15/2007	Withdrawn 3/6/08	WTR	W	75		San Bernardino	CA	SCE	Coolwater-Dunn Siding 115kV line	11/15/2010	11/15/2010	Tendered				
278	11/26/2007	11/26/2007	Active	ST	S	565		San Bernardino	CA	SCE	Mojave-Lugo 500kV line	1/1/2011	1/1/2011					
279	11/30/2007	11/30/2007	Withdrawn 2/29/08	H	WTR	49		Humboldt	CA	PGE	Fairhaven Substation 60kV bus	6/4/2012	6/4/2012	Tendered				
280	11/30/2007	11/30/2007	Active	H	WTR	40		Mendocino	CA	PGE	Fort Bragg Substation 60kV bus	6/1/2012	6/1/2012	In Progress				
281	12/3/2007	12/3/2007	Active	CC	NG	500		San Joaquin	CA	PGE	Loop Tesla-Stagg and Tesla-Eight Mile 230kV lines	12/31/2010	12/31/2010	In Progress				
282	12/11/2007	12/12/2007	Active	ST	B	29		Madera	CA	PGE	Tap Dairyland-Mendota 115 kV line	5/31/2008	12/31/2008	Waived	In Progress			
283	12/12/2007	12/12/2007	Active	ST	S/B	106.8		Fresno	CA	PGE	Gates Substation 230kV bus	3/1/2010	3/1/2010	In Progress				
284	12/13/2007	12/13/2007	Active	RE	NG	115		Mendocino	CA	PGE	Ukiah Substation 115kV bus	4/15/2012	4/15/2012	In Progress				
285	12/13/2007	12/13/2007	Active	WT	W	150		San Bernardino	CA	SCE	Pisgah Substation 230kV	12/31/2011	12/31/2011	In Progress				
286	12/20/2007	12/20/2007	Active	ST	S	375		Imperial	CA	SDGE	Southwest Power Link 500kV line	7/1/2011	7/1/2012	Tendered				
287	12/21/2007	12/21/2007	Active	ST	S	231		Kern	CA	SCE	Antelope-Magunden 230kV	4/1/2011	4/1/2011	In Progress				
288	12/20/2007	12/21/2007	Active	ST	S	375		San Luis Obispo	CA	PGE	Morro Bay-Midway #2 230kV line	7/1/2011	7/1/2012	Tendered				
289	12/20/2007	12/21/2007	Active	ST	S	375		San Bernardino	CA	SCE	El Dorado-Ivanpah 115kV line	7/1/2011	7/1/2011	Tendered				
290	12/27/2007	12/27/2007	Active	ST	S	750		San Bernardino	CA	SCE	Pisgah Substation 230kV	6/1/2015	12/31/2012	In Progress				
291	12/27/2007	12/27/2007	Active	ST	S	250		San Bernardino	CA	SCE	Wheaton Substation	6/1/2015	6/1/2015	In Progress				
292	12/27/2007	12/27/2007	Withdrawn 2/6/08	ST	S	250		Kern	CA	SCE	SCE portion of Kramer BLM West 230 kV line	6/4/2014	6/4/2014					
293	1/3/2008	1/3/2008	Active	RE	B	5.2		Fresno	CA	PGE	Helm-Kerman 70kV line	6/1/2009	6/1/2009	In Progress				
294	1/15/2008	1/16/2008	Active	ST	S	1000		Riverside	CA	SCE	Midpoint Substation 500kV	6/1/2012	6/1/2012	Tendered				
295	1/17/2008	1/17/2008	Active	ST	S	300		San Bernardino	CA	SCE	Pisgah Substation 220kV	12/31/2011	12/31/2011	In Progress				
296	1/18/2008	1/18/2008	Active	ST	S	33		Los Angeles	CA	SCE	Antelope-Piute 66kV line	12/1/2009	12/1/2009	Waived	Tendered			
297	1/18/2008	1/18/2008	Active	ST	S	66		Los Angeles	CA	SCE	Neenach-Bailey 66kV line	12/1/2009	12/1/2009	Waived	Tendered			
298	1/23/2008	1/23/2008	Active	ST	S	140		Clark	NV	SCE	El Dorado 220kV switchyard	11/1/2011	11/1/2011					
299	1/29/2008	1/29/2008	Active	CC	NG	27		Kings	CA	PGE	Hanford Switchyard 115kV bus	5/1/2010	5/1/2010	Waived	In Progress			
300	1/29/2008	2/4/2008	Active	CC	NG	400		Kern	CA	PGE	Midway Substation 230kV bus	9/1/2014	9/1/2014	Tendered				
301	2/8/2008	2/8/2008	Active	PV	S	500		San Bernardino	CA	SCE	Lugo-Pisgah 220kV line	1/1/2016	1/1/2016					
302	2/19/2008	2/19/2008	Withdrawn 4/7/08	PV	S	200		San Bernardino	CA	SCE	Lugo-Pisgah 220kV line	2/4/2010	2/4/2010					
303	2/27/2008	2/27/2008	Active	WT	W	500		Baja California	Mexico	SDGE	Imperial Valley -Miguel 500kV line	12/31/2011	12/31/2011	Tendered				
304	2/28/2008	2/28/2008	Active	PV	S	50		Tulare	CA	PGE	Smyrna-Alpaugh 115kV line	5/3/2010	5/3/2010					
305	3/10/2008	3/10/2008	Active	CC	NG	611		Contra Costa	CA	PGE	Contra Costa Substation 230kV switchyard	7/30/2012	7/30/2012					
306	3/11/2008	3/11/2008	Active	CT	NG	200		San Joaquin	CA	PGE	Tesla-Belota 230kV and Tesla-Webber 230kV lines	5/1/2012	5/1/2012					
307	3/11/2008	3/11/2008	Withdrawn 4/24/08	PV	S	100		Los Angeles	CA	SCE	Lancaster-Redman 66kV line	5/4/2009	5/4/2009					
308	3/11/2008	3/11/2008	Withdrawn 4/24/08	PV	S	100		Los Angeles	CA	SCE	Helijet-Little Rock-Palmdale-Rockair 66kV line	5/4/2009	5/4/2009					
309	3/11/2008	3/11/2008	Active	PV	S	100		Los Angeles	CA	SCE	Antelope-Del Sur 66kV line	5/1/2009	5/1/2009					
310	3/11/2008	3/11/2008	Withdrawn 4/24/08	PV	S	100		Los Angeles	CA	SCE	Del Sur-Lancaster-Rite Aid 66kV line	5/4/2009	5/4/2009					
311	3/11/2008	3/11/2008	Withdrawn 4/24/08	PV	S	100		Los Angeles	CA	SCE	Lancaster-Little Rock-Piute 66kV line	5/4/2009	5/4/2009					
312	3/11/2008	3/11/2008	Active	PV	S	100		Los Angeles	CA	SCE	Oasis-Tortoise 66kV line	5/1/2009	5/1/2009					
313	3/11/2008	3/11/2008	Withdrawn 4/24/08	PV	S	100		Los Angeles	CA	SCE	Piute-Redman 66kV line	5/4/2009	5/4/2009					
314	3/11/2008	3/11/2008	Withdrawn 4/24/08	PV	S	100		Los Angeles	CA	SCE	Lancaster-Little Rock-Piute 66kV line	5/4/2009	5/4/2009					
315	3/11/2008	3/11/2008	Withdrawn 4/24/08	PV	S	100		Los Angeles	CA	SCE	Helijet-Little Rock-Palmdale-Rockair 66kV line	5/4/2009	5/4/2009					

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				Generating Facility		Maximum MWs		Location		Point of Interconnection				Study Availability				
Queue Position	Interconnection Request Receive Date	Queue Date	Application Status	Type	Fuel	Summer	Winter	County	State	Utility	Station or Transmission Line	Proposed On-line Date (as filed with IR)	Current On-line Date	Feasibility Study (IFS)	System Impact Study (SIS)	Facility Study (FAS)	Optional Study (OS)	Interconnection Agreement Status
316	3/11/2008	3/11/2008	Withdrawn 4/24/08	PV	S	100		Los Angeles	CA	SCE	Antelope-Rosamond-66kV line	5/1/2009	5/1/2009					
317	3/11/2008	3/11/2008	Active	PV	S	100		Los Angeles	CA	SCE	Antelope-Del Sur-Rosamond 66kV line	5/1/2009	5/1/2009					
318	3/11/2008	3/11/2008	Withdrawn 4/24/08	PV	S	100		Los Angeles	CA	SCE	Goldtown-Lancaster 66kV line	5/1/2009	5/1/2009					
319	3/11/2008	3/11/2008	Withdrawn 4/24/08	PV	S	100		Los Angeles	CA	SCE	Corum-Goldtown-66kV line	5/1/2009	5/1/2009					
320	3/12/2008	3/12/2008	Active	CT	NG	476		Contra Costa	CA	PGE	Contra Costa Substation 230kV switchyard	4/29/2011	4/29/2011					
321	3/18/2008	3/18/2008	Active	WT	W	598.2		Plumas	CA	PGE	Belden Substation 230kV	12/15/2013	12/15/2013					
322	3/17/2008	3/18/2008	Active	CC	NG	611		Contra Costa	CA	PGE	Pittsburg 230kV switchyard	9/30/2012	9/30/2012					
323	3/27/2008	3/27/2008	Withdrawn 4/24/08	PV	S	100		Kern	CA	SCE	Corum-Rosemond-66kV line	5/1/2009	5/1/2009					
324	3/27/2008	3/27/2008	Withdrawn 4/24/08	PV	S	250		San Bernardino	CA	SCE	Eldorado-Baker-Cook-Water-Dunn-Siding-Mountain-Pass-115kV line	5/1/2009	5/1/2009					
325	3/27/2008	3/27/2008	Withdrawn 4/24/08	PV	S	100		Kern	CA	SCE	Kramer-Cool Water-115kV line	5/1/2009	5/1/2009					
326	3/27/2008	3/27/2008	Withdrawn 4/24/08	PV	S	100		Kern	CA	SCE	Kramer-Tortilla-115kV line	5/1/2009	5/1/2009					
327	3/27/2008	3/27/2008	Active	PV	S	100		Kern	CA	SCE	Kramer-Inyokern-Randsberg No. 1 115kV line	5/1/2009	5/1/2009					
328	3/27/2008	3/27/2008	Withdrawn 4/24/08	PV	S	100		Kern	CA	SCE	Kramer-Inyokern-Randsberg No. 3-115kV line	5/1/2009	5/1/2009					
329	3/31/2008	3/31/2008	Active	ST	S	264		Kern	CA	SCE	Whirlwind Substation 230kV	8/1/2012	8/1/2012					
330	3/31/2008	3/31/2008	Active	ST	S	33		Los Angeles	CA	SCE	Antelope-Calcement 66kV line	12/1/2009	12/1/2009					
331	3/31/2008	3/31/2008	Active	ST	S	231		Kern	CA	SCE	Windhub Substation	5/1/2010	5/1/2010					
332	3/31/2008	3/31/2008	Active	ST	S	264		Kern	CA	SCE	Windhub Substation	9/1/2011	9/1/2011					
333	3/31/2008	3/31/2008	Active	ST	S	33		San Bernardino	CA	SCE	Cool Water-Kramer 115kV line	7/1/2009	7/1/2009					
334	4/4/2008	4/4/2008	Active	CT	NG	197.6		Alameda	CA	PGE	Kelso Substation 230kV bus	6/1/2012	6/1/2012					
335	4/4/2008	4/4/2008	Active	RE	NG	99		Alameda	CA	PGE	Kelso Substation 230kV bus	6/1/2012	6/1/2012					
336	4/7/2008	4/7/2008	Active	PV	S	75		San Diego	CA	SDGE	Borrego Substation 69kV	12/31/2010	12/31/2010					
337	4/2/2008	4/18/2008	Active	ST	S	49.5		San Diego	CA	SDGE	Borrego Springs Substation 69kV	4/1/2011	4/1/2011					
338	4/17/2008	4/17/2008	Active	CC	NG	10		Fresno	CA	PGE	Kerman-Helms 70kV line	6/1/2010	6/1/2010					
339	4/18/2008	4/18/2008	Active	CT	NG	50		San Francisco	CA	PGE	Mission Substation	6/1/2011	6/1/2011					
340	4/2/2008	4/22/2008	Active	PV	S	20		Tulare	CA	PGE	Smyrna-Alpaugh 115kV line	5/1/2009	5/1/2009					
341	4/23/2008	4/23/2008	Active	CT	NG	525		Merced	CA	PGE	Wilson Substation 230kV bus	3/1/2012	3/1/2012					

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