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RENEWABLES PORTFOLIO STANDARD 2008-2010 PROCUREMENT VERIFICATION

RPS 2008-2010 Verification Report

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DISCLAIMER

This report was prepared under the direction of the Energy Commission upon adoption by the full Energy Commission at its business meeting on November 14, 2013. This report is prepared as part of the Renewables Portfolio Standard proceeding, docket #11-RPS-01. The views and recommendations contained in this document are not official policy of the Energy Commission until the report is adopted.

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PREFACE

The enactment of Senate Bill 1078 (Sher, Chapter 516, Statutes of 2002) in September 2002 created California's Renewables Portfolio Standard (RPS) program. At the outset, the RPS program required retail sellers of electricity to increase their procurement of eligible renewable energy resources by at least 1 percent per year so that 20 percent of their retail sales are procured from eligible renewable energy resources by 2017. Senate Bill 107 (Simitian and Perata, Chapter 464, Statutes of 2006), accelerated the RPS goal of 20 percent renewables by 2010. In 2011, Governor Jerry Brown signed Senate Bill X1-2 (Simitian, Chapter 1, Statutes of 2011, First Extraordinary Session), extending the 20 percent RPS target in 2010 to a 33 percent RPS by December 31, 2020, and broadening the scope of the RPS to include local publicly owned electric utilities.

The California Energy Commission and the California Public Utilities Commission jointly implement the Renewables Portfolio Standard. Under the program, the Energy Commission is charged with certifying eligible renewable energy resources that satisfy RPS procurement requirements and developing an accounting system to verify the compliance of retail sellers' and local publicly owned electric utilities. Although not legally mandated, the *Renewables Portfolio Standard Procurement Verification Report* is prepared as part of the Energy Commission's RPS responsibilities and is intended to convey verification findings to the California Public Utilities Commission for use in determining the compliance of retail sellers.

ABSTRACT

This *Renewables Portfolio Standard 2008-2010 Procurement Verification Commission Final Report* presents the California Energy Commission's findings on the amount of renewable energy procured by retail sellers of electricity under California's Renewables Portfolio Standard (RPS). The report presents RPS procurement verification findings for 16 retail sellers, which include investor-owned utilities (small, large, and multijurisdictional utilities), electric service providers, and community choice aggregators. The report also includes minor updates to claims made by select retail sellers during 2001 and 2003-2007.

Keywords: Renewables Portfolio Standard, RPS, Renewable Energy Credits, RECs, renewable attributes, annual procurement target, initial baseline procurement amount, incremental procurement target, certification, verification, generation, investor-owned utilities, electric service providers, multijurisdictional utilities, community choice aggregators, Western Renewable Energy Generation Information System, WREGIS

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TABLE OF CONTENTS

ACKNOWLEDGEMENTS ..... **i**

PREFACE ..... **ii**

ABSTRACT ..... **iii**

TABLE OF CONTENTS ..... **iv**

LIST OF FIGURES ..... **viii**

LIST OF TABLES ..... **viii**

EXECUTIVE SUMMARY **1**

Background 1

Report Overview 2

Conclusions 4

CHAPTER 1: Introduction **6**

Overview of the Renewables Portfolio Standard and Verification 6

Report Organization and Scope 8

Renewables Portfolio Standard Procurement Targets 9

CHAPTER 2: Verification Methods **10**

Transitioning From the Interim Tracking System to the Western Renewable Energy Generation Information System 10

Renewables Portfolio Standard Certification and Eligibility Date 13

Sources of Renewables Portfolio Standard Claims Data 13

Sources of Generation Data 14

Overclaim Analysis 15

Renewable Energy Credit Claims Relative to the Vintage of the Credits 15

Multifuel Analysis 16

Biomethane Analysis 16

Delivery Requirements For Out-of-State Facilities 16

Verification That Renewable Energy Credits Are Counted Only Once 17

Coordinating With Other States to Ensure Against Double-Counting 18

Coordinating With the Voluntary Renewable Energy Credit Market to Ensure Against Double-Counting 20
Finalizing Verified Data 21
CHAPTER 3: Verification Issues 23
Verification of Procurement Date Relative to the Vintage of the Renewable Energy Credits 23
Multifuel Analysis 25
Verification Requirements for Biomethane Claims 27
Verification Process for Biomethane Claims 30
Verification Analysis of Specific Biomethane Claims 31
Noble Americas Energy Solutions, LLC and Pilot Power Group, Inc. 31
Pacific Gas and Electric Company 31
Verification of Energy Delivery for Out-of-State Facilities 32
Pending Claims 34
Recommendation to Accept Pending Claims 37
CHAPTER 4: Verification Findings 39
Renewables Portfolio Standard Verification Results 39
Summary Tables 39
Verification Results for Investor-Owned Utilities 43
Pacific Gas and Electric Company 43
San Diego Gas & Electric Company 45
Southern California Edison Company 47
Verification Results for Small and Multijurisdictional Utilities 50
PacifiCorp 50
Sierra Pacific Power Company 51
Verification Results for Electric Service Providers and Community Choice Aggregation 52
APS Energy Services 52
3Phases Energy Services 53
Calpine PowerAmerica-CA, LLC, ... 54
Constellation New Energy, Inc. 55

Commerce Energy, Inc. 58
Direct Energy Business, LLC 59
Marin Energy Authority (Community Choice Aggregation) 60
Noble Americas Energy Solutions, LLC 61
Pilot Power Group, Inc 62
Praxair Plainfield Inc. 63
Shell Energy North America L.P 64
Revisions to Previous Years' Procurement Claims 65
Southern California Edison Company 65
Noble Americas Energy Solutions, LLC 67
CHAPTER 5: Verification Analysis 68
RPS-Eligible Procurement by Resource Type 68
New and Repowered Facilities 71
Transitioning From Interim Tracking System to the Western Renewable Energy Generation Information System 72
Renewable Energy Certificate Vintage and Retirement Date 73
CHAPTER 6: Verification Limitations and Future Efforts 76
Limitations of the Interim Tracking System 76
Procurement Verification 77
Long-Term Verification 78
Outlook for Future Reports 80
Glossary 81
APPENDIX A: Retail Sellers' Modified RPS Track Forms and WREGIS Reports 1
3Phases Energy Services RPS Procurement Claims Analysis 4
APS Energy Services RPS Procurement Claims Analysis 5
Calpine Power America-CA RPS Procurement Claims Analysis 6
Commerce Energy, Inc., RPS Procurement Claims Analysis 8
Constellation NewEnergy, Inc. RPS Procurement Claims Analysis 10
Direct Energy Business, LLC RPS Procurement Claims Analysis 14

Marin Energy Authority RPS Procurement Claims Analysis 16
Noble Americas Energy Solutions LLC RPS Procurement Claims Analysis 17
Pilot Power Group, Inc. RPS Procurement Claims Analysis 20
Praxair Plainfield, Inc. RPS Procurement Claims Analysis 22
Shell Energy RPS Procurement Claims Analysis 23
PacifiCorp RPS Procurement Claims Analysis 29
Sierra Pacific Power RPS Procurement Claims Analysis 43
Pacific Gas and Electric RPS Procurement Claims Analysis 46
Southern California Edison RPS Procurement Claims Analysis 93
San Diego Gas & Electric RPS Procurement Claims Analysis 130

LIST OF FIGURES

Figure 1: Locations Along Biomethane Delivery Path Where Data Must Be Gathered 29

Figure 2: Template Summary of RPS Procurement (kWh) 41

Figure 3: Annual Procurement by Fuel Type for 2008 to 2010 70

Figure 4: Total Procurement for Entire Compliance Period (2008 to 2010) by Fuel Type 70

Figure 5: Chart Showing the Amount of Generation (MWh) Procured From New and Repowered Facilities for Each Year From 2008 to 2010. 72

Figure 6: Usage of Each Reporting System as a Percentage of Total Procurement 73

LIST OF TABLES

Table 1: Noble and Pilot 2008-2010 Biomethane Claim Analysis 31

Table 2: PG&E 2008-2010 Biomethane Claim Analysis 31

Table 3: Retail Sellers' Pending Claims – RPS ID Typographical Error or Not in Misc Field, but in Comment Field 34

Table 4: Retail Sellers' 2008-2010 Pending RPS-Procurement Claims – No RPS ID on e-Tag 36

Table 5: PG&E Summary of RPS Procurement (kWh) 43

Table 6: PG&E Withdrawn Claims to Be Added In Future Verification Reports (kWh) 44

Table 7: SDG&E Summary of RPS Procurement (kWh) 46

Table 8: SCE Summary of RPS Procurement (kWh) 47

Table 9: PacifiCorp Summary of RPS Procurement (kWh) 50

Table 10: Sierra Pacific Summary of RPS Procurement (kWh) 51

Table 11: APSES Summary of RPS Procurement (kWh) for 2008 52

Table 12: 3Phases Summary of RPS Procurement (kWh) 53

Table 13: Calpine Summary of RPS Procurement (kWh) 54

Table 14: CNE Summary of RPS Procurement (kWh) 57

Table 15: Commerce Summary of RPS Procurement (kWh) 58

Table 16: Direct Energy Business, LLC, Summary of RPS Procurement (kWh) 59

Table 17: MEA Summary of RPS Procurement (kWh) 60
Table 18: Noble's Summary of RPS Procurement (kWh) 61
Table 19: Pilot Summary of RPS Procurement (kWh)..... 62
Table 20: Praxair Summary of RPS Procurement (kWh) 63
Table 21: Shell Energy Summary of RPS Procurement (kWh) 64
Table 22: Southern California Edison's Updated RPS Procurement Claims by Year (kWh) 66
Table 23: Southern California Edison's Updated 2001 and 2003-2007 RPS-Eligible Procurement66
Table 24: Noble Americas Energy Solutions, LLC's Updated 2007 RPS-Eligible Procurement ... 67
Table 25: 2008-2010 RPS-Eligible Procurement by Resource Type (MWh)..... 69
Table 26: New and Repowered RPS Procurement 71
Table 27: WREGIS Claims That Exceeded REC Retirement Requirement Limits 74

EXECUTIVE SUMMARY

Background

California's Renewables Portfolio Standard, enacted in 2002, required retail sellers of electricity to increase their procurement of eligible renewable energy resources by at least 1 percent per year so that 20 percent of their retail sales were procured from eligible renewable energy resources by 2017. Subsequent changes to law first accelerated the 20 percent goal to 2010, then added an increased goal of 33 percent by 2020 and broadened the scope of the Renewables Portfolio Standard to include local publicly owned electric utilities starting in 2011.

The California Energy Commission and the California Public Utilities Commission jointly implement the Renewables Portfolio Standard program. The Energy Commission certifies eligible renewable energy resources for the Renewables Portfolio Standard and verifies the procurement claims of retail sellers for the California Public Utilities Commission to use when determining retail sellers' compliance with the Renewables Portfolio Standard. Energy Commission staff does not evaluate retail sellers' progress in meeting Renewables Portfolio Standard procurement obligations.

For years prior to 2011, the California Public Utilities Commission set baseline formulas and annual procurement targets for the Renewables Portfolio Standard and will determine compliance with procurement requirements for all California retail sellers based on the verified amounts included in this report.

The Energy Commission's verification reports are not legally mandated but are prepared as part of the Energy Commission's Renewables Portfolio Standard responsibilities. After the Energy Commission adopts and finalizes the reports, they are transmitted to the California Public Utilities Commission.

The *Renewables Portfolio Standard 2008-2010 Procurement Verification Commission Final Report (2008-2010 Verification Report)*:

- Verifies the Renewables Portfolio Standard eligibility of the renewable energy facilities from which each reporting retail seller is claiming procurement.
- Verifies, to the extent possible, that the amount of renewable electricity procurement claimed by each retail seller was sufficiently generated by each eligible facility.
- Determines the amount of renewable electricity that may be attributed to multifuel facilities, including facilities using biomethane, by comparing the renewable and fossil fuel usage amounts with the amount of allowable fossil fuel usage per eligible facility.
- Verifies, to the extent possible, that out-of-state renewable energy facilities satisfy the Energy Commission's delivery requirements.

- Verifies, to the extent possible, that procurement exclusively serves California's Renewables Portfolio Standard and is not double counted for another renewable energy regulatory or market program.
- Identifies eligible, ineligible, pending, and withdrawn procurement claims for each retail seller and provides the total amount of eligible procurement.
- Provides eligible procurement claims by resource type, claims attributed to new and repowered facilities, the transition of retail sellers' reporting using the Interim Tracking System to the Western Renewable Energy Generation Information System, and the time between the dates of generation and retirement of claims.
- Discusses the limitations of the Energy Commission's Interim Tracking System established before the development of the Western Renewable Energy Generation Information System, which is now used to track renewable energy procurement in 14 western states, two Canadian provinces, and northern Baja California.

On September 21, 2012, Energy Commission staff held a public workshop to present initial results of its verification process. Among other items, the workshop addressed the date of the procurement relative to the vintage date of a renewable energy credit, biomethane-related claims, and energy delivery for out-of-state facilities.

Report Overview

This report applies to retail sellers, which include investor-owned utilities (large, small, and multijurisdictional), electric service providers, and community choice aggregators reporting for 2008 through 2010. A total of 16 retail sellers reported procurement for 2008 through 2010, and although no small utilities reported procurement for those years, two multijurisdictional utilities and one community choice aggregator reported Renewables Portfolio Standard procurement and are included in this report. While local publicly owned electric utilities must now implement a Renewables Portfolio Standard program and report their progress to the Energy Commission, publicly owned utilities are not included in this report. Starting with reporting year 2011, in accordance with Senate Bill X1-2 (Simitian, Chapter 1, Statutes of 2011, First Extraordinary Session), Energy Commission staff will begin verifying renewable energy procurement claims by local publicly owned electric utilities to determine Renewables Portfolio Standard compliance. Energy Commission staff expects to prepare a separate verification and compliance report specifically for local publicly owned electric utilities.

In this report, staff verified nearly 550 claims for 2008, more than 600 claims for 2009, and close to 620 claims for 2010. Staff resolved outstanding issues with supporting documentation, with retail sellers in some cases correcting and refiling their procurement claims. During the verification process for 2008-2010, staff identified and resolved nearly 40 overclaim issues, 12 multifuel issues, and 12 energy delivery issues, and verified biomethane claims for the first time. Staff recommended and the Energy Commission approved accepting 13 pending claims related to energy delivery issues as eligible. Staff identified and resolved an additional 11 overclaim issues through collaboration with Green-e Energy's voluntary renewable energy credit program. Four retail sellers resubmitted 16 revised forms, and 8 retail sellers submitted 15

updated or additional Western Renewable Energy Generation Information System Reports to correct previous procurement claims, which staff accepted if appropriate.

Two retail sellers requested that data from previous reporting years be updated. Staff corrected the 2007 total eligible procurement claim amounts for Noble Americas Energy Solutions LLC and revised the 2001 and 2003-2007 total eligible amounts for Southern California Edison Company. This report lists these procurement claims to illustrate the procurement changes for the appropriate years and the revised total annual eligible procurement claim amounts. However, because the retail sellers submitted the corrected forms with the ineligible procurement claims removed, these are not outstanding issues.

During verification of 2008-2010 data, Energy Commission staff developed a process by which retail sellers could request to have reported procurement claim amounts withdrawn rather than have the claims be reported as ineligible. Three investor-owned utilities and two electric service providers asked staff to remove certain procurement claims that were reported using the Western Renewable Energy Generation Information System rather than have the claims reported as ineligible. The reason for these requests was that when using the Western Renewable Energy Generation Information System for Renewables Portfolio Standard reporting, it is not possible to "unretire" certificates (remove retired renewable energy credits from a retirement subaccount) after 12 months.

Additionally, two retail sellers requested a portion of their withdrawn amounts be applied to a future verification report due to prior period adjustments in the Western Renewable Energy Generation Information System. Currently, the Energy Commission bases its verification findings on actual annual generation per facility. The Western Renewable Energy Generation Information System uses a prior period adjustment process to correct generation errors over time, so if there were too many certificates inadvertently created in one year, the Western Renewable Energy Generation Information System will resolve this issue by withholding the creation of certificates in a following year. In this way, certificate creation from a facility is corrected to reflect actual generation over a period of years, while the Energy Commission considers eligible generation based on actual facility generation and procurement for a given time period.

There were pending procurement claims reported in the *2008-2010 Verification Staff Draft and Lead Commissioner Draft Report* because retail sellers did not include the specific information required by the *RPS Eligibility Guidebook, Third Edition,* to verify procurement claims from out-of-state facilities with energy delivery. For 2008 and 2009, the amount pending due to delivery issues was less than one percent of the total 2008 and 2009 eligible amounts respectively. The amounts are minimal compared to the total eligible amount of procurement per year, but for some Electric Service Providers the amount represents nearly all or the entire annual procurement claim amount. Based on staff's review of the supporting documentation provided for each of the pending claims, Energy Commission staff recommended that the pending claims be accepted as eligible. With the adoption of this report at the Energy Commission Business Meeting on November 14, 2013, the pending claims are now considered RPS-eligible procurement.

Energy Commission staff also analyzed the time between the generation and retirement dates of renewable energy credit claims for purposes of the California Public Utilities Commission's timing requirements for retirement. On January 27, 2011, PacifiCorp requested that Energy Commission staff grant an extension for reporting using the 2008 CEC-RPS-Track reporting form for renewable energy credits with vintage dates of January, February and March 2008 because of an outstanding eligibility issue with PacifiCorp's procurement claims from the Hills Air Force Base facility. Energy Commission staff agreed to this time extension request to allow PacifiCorp to remove claims from this facility, which were ultimately determined to be ineligible. Staff recommends that the Energy Commission, in this case, determine that the retirement date for PacifiCorp's January, February, and March 2008 RECs is January 27, 2011, because this is consistent with PacifiCorp's intention to report its 2008 RPS procurement accurately and in a timely manner. On November 14, 2013, the Energy Commission adopted this report recognizing that the retirement date for PacifiCorp's January, February, and March 2008 RECs is January 27, 2011. The findings in the *2008-2010 Verification Report* are based in part on the Energy Commission's Interim Tracking System. The robustness of the verification process using the Interim Tracking System is limited by the availability and quality of the generation data against which procurement claims are checked; the ability of staff to account for renewable energy procurement claims in the voluntary market and other renewable energy reporting programs, such as those in other states; and the ability of staff to analyze energy delivery documentation when such data are not available from the Western Renewable Energy Generation Information System.

After verification reports are transmitted to the California Public Utilities Commission, the Energy Commission may make corrections to previous verification report results if staff later learns that revisions are required.

Conclusions

The vast majority of the procurement claims detailed in this report were from Renewables Portfolio Standard-certified facilities with sufficient generation and, for claims from out-of-state facilities, sufficient energy deliveries, to cover the total procurement amounts claimed. However, there were pending procurement claims because retail sellers did not include the specific information required by the *RPS Eligibility Guidebook, Third Edition,* to verify procurement claims from out-of-state facilities with energy delivery. Because each retail seller with pending claims provided additional supporting documentation to the Energy Commission, staff recommended that these pending procurement claims be accepted as eligible in the final *2008-2010 Verification Report*. The pending claims were determined to be eligible upon Energy Commission adoption of the final *2008-2010 Verification Report*.

All retail sellers found to have ineligible procurement claims subsequently revised their RPS reports or requested that Energy Commission staff withdraw the ineligible claim amounts.

At the request of Noble Americas Energy Solutions LLC for 2007 claims and of Southern California Edison Company for 2001 and 2003-2007 claims, staff reviewed, verified, and revised, as appropriate, the total amounts listed as eligible toward their Renewables Portfolio Standard obligations for those years.

Energy Commission staff finds that the procurement claim amounts listed in this report are eligible to count toward meeting the retail sellers' Renewables Portfolio Standard obligations. Furthermore, the Energy Commission determined that the pending procurement claims related to out-of-state facilities with energy delivery documentation be accepted as eligible for the Renewables Portfolio Standard. Additionally, the Energy Commission approved that, for purposes of determining the renewable energy credit retirement date, PacifiCorp's January, February, and March 2008 RECs be considered as effectively submitted on January, 27, 2011, because this is consistent with PacifiCorp's intention to report its 2008 RPS procurement accurately and in a timely manner.

CHAPTER 1: Introduction

Overview of the Renewables Portfolio Standard and Verification

This *Renewables Portfolio Standard 2008-2010 Procurement Verification Commission Final Report (2008-2010 Verification Report)* presents the Energy Commission's findings on the amount of renewable energy procured by retail sellers of electricity under California's Renewables Portfolio Standard (RPS).

California's RPS program was established in 2002 under Senate Bill 1078 (Sher, Chapter 516, Statutes of 2002) with the goal of increasing the percentage of renewable energy in the state's electricity mix to 20 percent of retail sales by 2017. The RPS statutes underscore the importance of increasing the diversity, reliability, public health, and environmental benefits of the state's energy mix. The Energy Commission's *2003 Integrated Energy Policy Report (IEPR)* recommended accelerating the RPS goal to 20 percent by 2010, and the *2004 IEPR Update* further recommended increasing the target to 33 percent by 2020. The state's *Energy Action Plan* supported this goal.[1]

In 2006, Senate Bill 107 (Simitian and Perata, Chapter 464, Statutes of 2006) codified California's 20 percent by 2010 RPS goal and took effect on January 1, 2007. The legislation required retail sellers of electricity (electric corporations,[2] electric service providers [ESPs], and community choice aggregators [CCAs]) to increase renewable energy purchases by at least 1 percent per year with a target of 20 percent renewables by 2010. To broaden the scope of the RPS to include local publicly owned electric utilities[3] and to codify the ambitious 33 percent by 2020 goal, Governor Brown signed Senate Bill X1-2 (Simitian, Chapter 1, Statutes of 2011, First Extraordinary Session) in April 2011. The Energy Commission fully supports the RPS mandate, which will also help the state meet its greenhouse gas reduction target of reaching 1990 emissions levels by 2020.[4]

Under the RPS statutes the Energy Commission is charged with certifying renewable energy resources (that is generation facilities) as eligible for California's RPS and for developing an accounting system verifying compliance with the RPS. The Energy Commission's *Renewables Portfolio Standard Eligibility Guidebook (RPS Guidebook)* specifies the eligibility criteria and process for certifying generating facilities as eligible for the RPS. The eligibility criteria include facility

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1 California Energy Commission, http://www.energy.ca.gov/energy_action_plan/index.html.

2 Also referred to as investor-owned utilities.

3 http://www.leginfo.ca.gov/pub/11-12/bill/sen/sb_0001-0050/sbx1_2_bill_20110412_chaptered.pdf.

4 California Energy Commission, *2008 Integrated Energy Policy Report Update*, CEC-100-2008-008-CMF.

qualifications by technology, size, resource type, and initial commercial operation date. The *RPS Guidebook* also now includes reporting and verification requirements under SB X1-2.[5]

The Energy Commission worked with the Western Governors' Association to develop the Western Renewable Energy Generation Information System (WREGIS) to help track and verify renewable energy generation and procurement. WREGIS is an independent renewable energy tracking system for the region covered by the Western Electricity Coordinating Council (WECC).[6] WREGIS issues and electronically tracks renewable energy credits (WREGIS Certificates, also known as RECs) representing renewable energy generation and, beginning with 2008 data, is used for RPS reporting and verification.[7]

The Energy Commission and the California Public Utilities Commission (CPUC) jointly implement the RPS program. For the time frame covered in this *2008-2010 Verification Report*, the primary responsibilities of the CPUC were to establish RPS baseline formulas, implement annual procurement targets (APTs), determine compliance, and impose penalties for noncompliance for retail sellers. Since the CPUC is responsible for determining compliance, Energy Commission staff is not evaluating retail sellers' progress in meeting RPS obligations in this report. SB X1-2 specifies that for "any retail seller procuring at least 14 percent of retail sales from eligible renewable energy resources in 2010, the deficits associated with any previous renewables portfolio standard shall not be added to any procurement requirement…"[8] The data contained in this report will be used by the CPUC to determine retail sellers' RPS compliance. Interested parties should refer to retail sellers' compliance filings on the CPUC's website.[9]

While not legally mandated, the *Verification Report* is prepared as part of the Energy Commission's RPS responsibilities. Upon adoption and finalization of the *2008-2010 Verification Commission Report*, the Energy Commission transmits its RPS procurement verification findings to the CPUC. To date, the Energy Commission has published verification reports for compliance years 2004-2007.

The *2008-2010 Verification Report* includes procurement from 16 entities: Pacific Gas and Electric Company (PG&E); San Diego Gas & Electric Company (SDG&E); Southern California Edison Company (SCE); 3Phases Energy Services (3Phases); APS Energy Services (APSES); Calpine Power America-CA (Calpine); Commerce Energy, Inc. (Commerce); Constellation NewEnergy, Inc.(CNE); Praxair Plainfield Inc.(Praxair); Pilot Power Group, Inc (Pilot); Marin Energy

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5 California Energy Commission, *Renewables Portfolio Standard Eligibility Guidebook*, Seventh Edition. May 2013. http://www.energy.ca.gov/renewables/documents/index.html#rps.

6 The Western Electricity Coordinating Council is the regional entity responsible for coordinating and promoting bulk electric system reliability in the Western Interconnection. http://www.wecc.biz/Pages/Default.aspx.

7 For more information about WREGIS go to: http://www.wecc.biz/WREGIS/Pages/default.aspx

8 Public Resources Code section 399.15(a).

9 CPUC Compliance and Reporting: http://www.cpuc.ca.gov/PUC/energy/Renewables/compliance.htm

Authority (MEA); Noble Americas Energy Solutions, LLC (Noble); Shell Energy North America. L.P (Shell - FKA Coral Power, LLC); Direct Energy Business, LLC (FKA Strategic Energy, LLC); Pacific Power / PacifiCorp (PacifiCorp) and Sierra Pacific Power Company (Sierra Pacific).[10] For reporting year 2008, a total of 23,889 gigawatt-hours (GWh) of renewable energy procurement from 514 generating facilities have been identified as RPS-eligible. For reporting year 2009, a total of 29,274 GWh of renewable energy procurement from 525 generating facilities have been identified as RPS-eligible. For reporting year 2010, a total of 31,883 GWh of renewable energy procurement from 557 generating facilities have been identified as RPS-eligible.

On September 21, 2012, Energy Commission staff held a public workshop to review its preliminary 2008-2010 RPS procurement verification data findings.[11] The "Verification Issues" and "Verification Findings" sections of this report incorporate workshop comments on issues identified with the preliminary 2008-2010 findings.

Energy Commission staff incorporated public comments submitted on the staff draft report into the *2008-2010 RPS Verification Draft Lead Commissioner Report*. No public comments were received on the *2008-2010 RPS Verification Draft Lead Commissioner Report*. With approved updates, the *2008-2010 RPS Verification Report* was adopted at the Energy Commission's November 14, 2013, business meeting. The final *2008-2010 Verification Report* is transmitted to the CPUC for use in determining retail sellers' RPS compliance.

Report Organization and Scope

This report is organized into six chapters. Chapter 2 describes the Interim Tracking System (ITS), WREGIS, and the various RPS verification methods. Chapter 3 describes verification issues specific to 2008-2010, and Chapter 4 provides the retail sellers' procurement verification findings and staff's recommendation on pending claims. Chapter 5 presents staff's procurement claim verification analysis, and Chapter 6 discusses the limitations of the current ITS, long term verification, and outlook for future verification reports.

This *2008-2010 Verification Report* compares RPS procurement claims made by retail sellers with generation data submitted to various energy programs by generating facilities to verify that there was sufficient generation to cover the total amount of procurement from each facility. The report applies to retail sellers, which include large investor-owned utilities (IOUs), small and multijurisdictional utilities (SMJUs), electric service providers (ESPs), and one community choice aggregator (CCA).[12] While there are no small utilities reporting, two multijurisdictional

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10 On January 1, 2011, Sierra Pacific Power Company completed transfer of ownership to Liberty Energy-California Pacific Electric Company (Liberty), and Liberty became responsible for providing services for the electric customers within Sierra's former California service territory.

11 The workshop notice can be found at http://www.energy.ca.gov/portfolio/notices/2012-09-21_workshop/2012-09-21_procurement_Verification_Notice.pdf.

12 Marin Energy Authority is the only CCA with claims covered in this report.

utilities (PacifiCorp and Sierra Pacific) are included. Nine ESPs have made RPS procurement claims.[13]

Renewables Portfolio Standard Procurement Targets

For years prior to 2011, under the RPS as enacted by SB 1078 and amended by SB 107, California's IOUs, ESPs, SMJUs, and CCAs were required to increase procurement from eligible renewable energy resources by at least 1 percent of their retail sales each year, until they reach 20 percent by 2010.[14] SB X1-2 increased and extended this RPS requirement to 33 percent of retail sales by 2020. For RPS compliance years prior to 2011, three components were used to set each retail seller's compliance requirements: the initial baseline procurement amount (IBPA), the incremental procurement target (IPT), and the APT.[15]

In earlier verification reports, Energy Commission staff calculated retail seller's initial baseline procurement amounts to be helpful to CPUC staff's RPS compliance analysis. Because the calculations are performed automatically as part of the CPUC's current RPS compliance spreadsheet, the Energy Commission staff is not including the baseline calculations in the *2008-2010 Verification Report*.

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13 This report does not cover local publicly owned electric utilities (POUs) because the RPS mandate in SB X1-2 does not apply to POUs until 2011. Until 2010, POUs were responsible for implementing and enforcing a renewables portfolio standard that recognize "the intent of the Legislature to encourage renewables…" and to report annually to the Energy Commission on their progress (former Public Utilities Code section 387(a), as enacted by SB 1078 and amended by SB 107). With adoption of SB X1-2, POUs are now required to report RPS claims to the Energy Commission for verification and compliance determinations. The Energy Commission adopted RPS regulations specifying the enforcement procedures for the POUs on June 12, 2013. These regulations will take effect on October 1, 2013. For more information see http://www.energy.ca.gov/portfolio/rps_pou_reports.html.

14 Subject to CPUC rules (Decision 06-10-050, R.06-05-027, Opinion on Reporting and Compliance Methodology for Renewables Portfolio Standard Program). The 20 percent by 2010 target is also clarified in the above-referenced CPUC decision.

15 The CPUC implemented these rules in a series of decisions, most notably Decision D.06-10-050 for more information and CPUC Compliance and Reporting: http://www.cpuc.ca.gov/PUC/energy/Renewables/compliance.htm

CHAPTER 2: Verification Methods

This chapter provides an overview of retail sellers' transition from RPS reporting using the Interim Tracking System (ITS) to using the Western Renewable Energy Generation Information System (WREGIS), as well as specific verification methods used to verify data covered in this report. The ITS was originally characterized as "interim" because the Energy Commission was developing the WREGIS system as a more robust electronic system to track RPS procurement claims.

WREGIS electronically tracks renewable energy credits (WREGIS Certificates, also known as RECs), representing renewable energy generation. WREGIS has been operational since 2007 and serves as the primary accounting system for the California RPS, as well as for some other states within the region of the Western Electricity Coordinating Council (WECC). Retail sellers authorized WREGIS staff to submit California RPS State/Provincial/Voluntary Compliance Reports (WREGIS Reports) on their behalf to the Energy Commission. The WREGIS Reports provided various retirement subaccount data broken out by monthly megawatt-hours (MWh) of REC procurement claim amounts listed by RPS-certified facility and fuel type. For this *2008-2010 Verification Report*, an "RPS claim" or "RPS procurement claim" refers to the amount of electricity a retail seller claimed it procured from a specific RPS-certified generation facility for the RPS. Appendix A summarizes the information presented.

This verification report is the first one to include data from the WREGIS system. In 2008, about 74 percent of the data reported were through WREGIS with the remaining 26 percent using the ITS. For 2009 and 2010, the majority of claims reported were through WREGIS with 99.9 percent in 2009 and 99.8 percent in 2010.[16]

Transitioning From the Interim Tracking System to the Western Renewable Energy Generation Information System

WREGIS became operational in June 2007. According to the Energy Commission's *RPS Eligibility Guidebook, Third Edition*,[17] WREGIS data would replace the ITS for verification of RPS-eligible energy generated by May 1, 2008. To enable the use of WREGIS, generating facilities, retail sellers, procurement entities, and third parties participating in California's RPS were required to register as account holders with WREGIS by January 1, 2008, with the exception of the three large IOUs (PG&E, SDG&E, and SCE), which had until May 1, 2008, to register with and begin using WREGIS.

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16 By reporting year 2011, except in certain situations, retail sellers are expected to be fully transitioned to WREGIS, and POUs will begin transitioning to WREGIS during their first compliance period covering reporting years 2011-2013.

17 *RPS Eligibility Guidebook, Third Edition*, see http://www.energy.ca.gov/2007publications/CEC-300-2007-006/CEC-300-2007-006-ED3-CMF.PDF.

The *RPS Eligibility Guidebook, Third Edition,* states that, effective January 1, 2008, the Energy Commission requires RPS-certified facilities, retail sellers, procurement entities and third parties to participate in WREGIS as part of RPS compliance. It also states that qualified reporting entities (QREs)[18] must register with WREGIS before they can report generation data on the facilities' behalf. However, the *RPS Eligibility Guidebook, Fourth Edition*[19] noted that "unforeseen issues faced by many of these companies delayed their registration with WREGIS until the fall of 2008 or later. To accommodate these delays, beginning with the 2008 compliance year and through the 2010 compliance year, the Energy Commission is allowing limited use of the ITS to report RPS procurement claims, with the intention of phasing out the ITS by the 2011 compliance year."

In certain cases, such as with generation of test energy[20] before commencement of a facility's commercial operations, the Energy Commission allowed generation not tracked in WREGIS to be reported to the Energy Commission for 2009 and 2010 using the ITS. However, to report using the ITS, retail sellers had to provide WREGIS documentation confirming that WREGIS could not accommodate the tracking or reporting of specific monthly generation.[21] This documentation was used to validate the need for a retail seller to report claims using the ITS.

Staff scrutinized the ITS claims to protect against RECs being double-counting. In some cases, staff analyzed RECs from facilities over three years to ensure that kilowatt hours (kWh) of electricity procured was not inadvertently rounded into MWh in WREGIS and, thereby, double-counted over time. Many claims initially reported using the ITS were eventually removed by retail sellers after the detailed multiyear analysis demonstrated generation had been incorporated into later year WREGIS Certificates.

PG&E, SCE, and PacifiCorp reported a relatively small amount of procurement using the ITS for 2009 and 2010. These specific ITS claims are described in Chapter 5: Verification Analysis.

For each MWh of electricity generated and reported to WREGIS, WREGIS creates a unique electronic certificate. Certificates are tagged as "California RPS-Eligible," as applicable. WREGIS

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18 A qualified reporting entity (QRE) is an individual or an organization providing renewable generation data to WREGIS on a unit-specific basis for creating WREGIS Certificates.

19 *RPS Eligibility Guidebook, Fourth Edition*, p. 64 see http://www.energy.ca.gov/2012publications/CEC-300-2012-003/CEC-300-2012-003-CMF.pdf.

20 For purposes of the RPS, *test energy* refers to preproduction electricity generation that occurs during the testing period of a facility before it commences commercial operations. In July 2012, the functional requirements of WREGIS were changed so that WREGIS may now create RECs for test energy generated during periods that precede the generator's registration and approval in WREGIS. Therefore, retail sellers may use the ITS to report all test energy not tracked in WREGIS until July 31, 2012. See the *RPS Eligibility Guidebook, Seventh Edition*, p. 88.

21 WREGIS informed Energy Commission staff that the validation for some facilities would need to be requested by the account administrator for which these units are registered. Letters were then provided by the account administrators specifying the details of generation availability in WREGIS.

functions much like a banking system, with WREGIS Certificates initially being deposited into a generator's "active subaccount." WREGIS Certificates can be transferred between accounts but can reside in only one account at any given time, thereby protecting against double-counting of renewable energy generation, so long as the certificates continue to be tracked in WREGIS.

If a procurement claim is found to be ineligible during the verification process, a retail seller may "withdraw" it from its total procurement amount claimed for the RPS. Using the ITS, a retail seller was able to submit a revised RPS-Track form removing the ineligible claim. Using WREGIS, however, a retail seller cannot "unretire" certificates and resubmit a revised report unless it is within 12 months since the certificates were retired. WREGIS corrects for over- and underallocation of RECs by adjusting the REC creation amount in future months and sometimes future years. As a result, there may be instances when WREGIS data differ from Energy Commission verified data. As described in Chapter 4: Verification Analysis, there are situations wherein a retail seller withdraws ineligible RECs retired in WREGIS for the year they are ineligible. When WREGIS withholds creation of RECs to make its adjustment in a future year, the retail seller may request that the Energy Commission credit the retail seller with the withdrawn RECs to avoid discounting the retail seller twice.

Renewable generators, load-serving entities, and third parties from the western United States, western Canada, and parts of northern Mexico may participate in WREGIS. As a regional system, WREGIS is designed to verify that reported generation is counted only once in California and throughout the geographic area covered by the WECC.

A QRE reports generation to WREGIS, and retail sellers provide reports generated via WREGIS to the Energy Commission to meet the reporting requirements previously satisfied with the ITS CEC-RPS-Track forms. In most cases, the WREGIS reports will replace the need for cross-references with other databases to ensure that the RPS-eligible energy is counted only once.[22] WREGIS includes functionality to facilitate matching e-Tag[23] data with retired RECs generated by out-of-state RPS-eligible facilities, enabling Energy Commission staff to better verify that the necessary delivery requirements were met. However, there are instances when generation from out-of-state RPS-eligible generation facilities may not be matched using WREGIS, and, until functionality exists in WREGIS to address this issue, reporting using the ITS is allowed in certain cases.[24]

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22 Not all states with RPS programs in the WECC use WREGIS to track and report RPS claims.

23 An e-Tag is an electronic record that contains the details of a transaction to transfer electricity from a seller to a buyer where the electricity is scheduled for transmission across one or more balancing authority area boundaries. The North American Electric Reliability Corporation (NERC) is the entity responsible for implementating the first energy tagging process.

24 While energy delivery is no longer required to qualify as an eligible renewable energy resource for the RPS under SB X1-2, e-Tag data are necessary, in some cases, to verify RPS compliance. *RPS Eligibility Guidebook, Seventh Edition* http://www.energy.ca.gov/2013publications/CEC-300-2013-005/CEC-300-2013-005-ED7-SF.pdf p. 108

To track and verify retail sellers' 2008-2010 RPS procurement claims, Energy Commission staff applied the approach used since 1998for the Power Source Disclosure Program (PSDP).[25] The verification steps have been expanded from the PSDP approach to include certain RPS-specific requirements. The verification steps used for RPS claims covered in this report are described below.

Renewables Portfolio Standard Certification and Eligibility Date

The first step in the Energy Commission staff's verification process is to determine that all generating facilities from which procurement is claimed are RPS-certified by the Energy Commission. In general, for the period covered in this report, a facility is RPS-eligible if, as defined in the *RPS Eligibility Guidebook*, it uses an eligible renewable resource or fuel, satisfies resource-specific criteria, and is either located within the state or satisfies applicable requirements for out-of-state and out-of-country facilities. Only RECs from RPS-certified generation facilities are eligible, upon verification, to meet a retail seller's RPS compliance obligation

Staff also identified procurement claims made before the "eligibility date" as ineligible. Generation from an RPS-certified facility is not eligible before the "eligibility date" of the facility.[26] For claims made using WREGIS that had been retired for more than 12 months, retail sellers were unable to unretire the ineligible claims. However, in those cases retail sellers submitted letters requesting that Energy Commission staff "withdraw" the ineligible claims, rather than have the claims reported as ineligible.

Sources of Renewables Portfolio Standard Claims Data

For the first time since reporting for the RPS program began, retail sellers reported using WREGIS Reports. Retail sellers used the CEC-RPS-Track forms when data were not available in WREGIS. For 2008, retail sellers primarily reported using the CEC-RPS-Track forms during the first part of the year but reported most data using WREGIS reports by the end of 2008. They reported the majority of 2009 and 2010 data using WREGIS Reports.

In their CEC-RPS-Track filings, retail sellers reported how much electricity procurement they claimed in the various calendar years, delineated by RPS-certified facility and by month, as well

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25 The Power Source Disclosure Program is implemented under Public Utilities Code Section 398.1, et seq., as enacted by Senate Bill 1305 (Sher, Chapter 796, Statutes of 1997), and the Energy Commission's regulations as set forth in Title 20 of the California Code of Regulations, Sections 1390-1394. This law requires retail suppliers of electricity to disclose to consumers "accurate, reliable and simple to understand information on the sources of energy that are (being) used..." (Public Utilities Code Section 398.1[B]).

26 The eligibility date, or beginning-on date, is the date upon which the Energy Commission deems the first application for a facility received. Generation is typically eligible back to the month containing this beginning-on date. Section IV B 3: Eligibility Date in the *RPS Guidebook, Seventh Edition,* provides additional information.

as their total annual retail sales.[27] In their WREGIS Report filings, retail sellers reported how many RECs they retired by month and year, the vintage month and year of the RECs, various ID numbers for each RPS-certified facility, and the facility name and fuel type. The reports also included the REC certificate serial numbers, and other REC identifying information, including e-Tag identification numbers of the e-Tags matched to each REC claim, as applicable.

Sources of Generation Data

To verify retail sellers' procurement data, Energy Commission staff collected generation data from various sources, including the Unites States Energy Information Administration's (U.S. EIA) website. The U.S. EIA website provides annual generation information for generation facilities with a capacity greater than 1 megawatt (MW).[28] Staff also used self-reported generation data submitted from owners of generating facilities larger than 1 MW located in California, as reported to the Energy Commission's Electricity Analysis Office.

The data collected include the generating facility's nameplate capacity, fuel type, generation, and fuel usage. Owners of generating facilities with a nameplate capacity of 1 to 10 MW must report annually, while owners of facilities larger than 10 MW must report quarterly. Additionally, staff reviewed data collected from generating facilities that were registered and eligible for funding from the Energy Commission's Existing or New Renewable Facilities Programs.

In most cases, staff compiled facility generation data from more than one source. If the various data sources showed different generation amounts per facility, staff compared the procurement to the data source showing the highest generation from that facility, since lower generation figures may capture only specific periods of generation from that facility, rather than the entire year.

Additional generation data came from the RPS-certified facilities. These facilities must submit data annually to the Energy Commission on the facilities' monthly generation, including any generation sold to an entity that does not qualify as a retail seller under Public Utilities Code section 399.12, subdivision (j), such as POUs. These data were reported to the Energy Commission by June 1 (or the next business day) of each year using the CEC-RPS-GEN form, unless the facility is owned by a retail seller or RPS certified by a retail seller on the facility's behalf.

As stated in the *RPS Eligibility Guidebook, Third Edition*, the retail seller is responsible for reporting the generation data for the facilities it certifies for the RPS. Therefore, if the facility is certified by a retail seller, the Energy Commission staff accepted the claim amount as reported

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27 The CEC-RPS-Track forms were submitted to the Energy Commission by authorized representatives of the retail sellers who could attest to the specific purchases and other procurement claim information presented in the CEC-RPS-Track forms. A *specific purchase* is a purchase of electricity traceable to a specific generation source.

28 Annual generation data from the U.S. EIA can be downloaded from www.eia.doe.gov/cneaf/electricity/page/eia906_920.html.

on the CEC-RPS-Track form and did not require additional generation data, unless deemed necessary for verification.[29]

Overclaim Analysis

After compiling the RPS claims and the generation data, staff compared the annual amount of RECs claimed by retail sellers from each RPS-certified facility and the total annual amount of electricity generated by that facility to ensure that the annual amount claimed did not exceed the annual amount generated. If two or more retail sellers claimed procurement from the same facility, staff compared the cumulative amount of RECs claimed from that facility with the total amount of electricity generated by that facility.

If staff found that REC claims exceeded generation by more than 5 percent for a given year, it requested information from the retail seller to support the RPS claim. For example, if data showed that a facility generated 100 MWh and the retail seller reported it procured 108 MWh, staff requested supporting documentation to confirm the RPS claim. The method allows for a 5 percent difference between generation and procurement figures to account for possible reporting differences. These differences may occur for various reasons, such as rounding errors when comparing data sources that use differing energy units, for example, GWh versus kWh. Staff used supporting documentation, such as an invoice for procured generation from the facility, as a data source if RPS claims by the retail seller exceeded generation data by more than 5 percent. Without sufficient supporting documentation, the claim was deemed ineligible. During the verification process for this report, staff identified about 38 overclaim issues that were eventually resolved with supporting documentation, such as invoices or meter data.

Renewable Energy Credit Claims Relative to the Vintage of the Credits

The overclaim analysis was more complicated for 2008-2010 than in previous years because a retail seller retired RECs with 2008 and 2009 vintage years for use within the 2010 reporting year.[30] In previous years, retail sellers were not allowed to allocate RECs from one vintage year to a later reporting year. However, the CPUC's RPS decisions and SB X-1 2 allow retail sellers to retire RECs in years after their vintage year. Therefore, the sum of the 2010 RPS claims was larger than the 2010 generation amount. Staff reconciled these issues by allocating the 2008 and

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29 The *RPS Eligibility Guidebook, Fourth Edition*, states that the Energy Commission no longer accepts an application for certification on the operator's behalf using a CEC-RPS-2 form from retail seller or POUs. The Energy Commission developed the RPS-2 Form in 2004 to ease the initial application process for the RPS and to accommodate the retail sellers applying for a significant number of facilities on the facilities' behalf. The Energy Commission will no longer accept the RPS-2 Form for this purpose or any other purpose.

30 *Reporting year* refers to a particular year within a compliance period for which the annual generation has already occurred and for which the RECs are being retired and used for RPS compliance. The reporting year is not the year in which the retired RECs are reported; it is the year for which the retired RECs are reported and, on an annual basis, should typically represent the calendar year preceding the reporting due date. Retail sellers reported 2008; 2009; and 2010 RPS claims to the Energy Commission in February 2011, May 2011, and June 2011, respectively.

2009 vintage amounts to the respective 2008 and 2009 reporting years instead of the 2010 reporting year. This approach resolved the overclaim issues for 2010, and staff was able to verify the full amount of 2008 and 2009 vintage RECs with the 2008 and 2009 generation amounts.

Multifuel Analysis

Generation from RPS-certified multifuel facilities using a mix of fuels or energy resources, including fossil fuels, other nonrenewable energy resources, or multiple RPS-eligible renewable energy resources to generate electricity may count for the RPS. If certain conditions are met, 100 percent of the electricity generated from a multifuel facility may be counted as RPS-eligible.[31] Staff determined the amount of eligible electricity that may be attributed to each multifuel facility by comparing the renewable and fossil fuel usage amounts with the amount of allowable fossil fuel usage per RPS-eligible facility. Chapter 3: Verification Issues describes the multifuel analysis and some of the multifuel verification issues that were identified and ultimately resolved.

Biomethane Analysis

For the first time, this report covers claims from RPS-certified generating facilities using biomethane[32] for 2008-2010. Before 2008, there were no RPS claims from facilities using biomethane. Biomethane verification was discussed at the September 21, 2012, RPS Verification Staff Workshop.[33] A detailed description of the biomethane analysis is provided in Chapter 3: Verification Issues. Ultimately, Energy Commission staff was able to verify nearly all of the biomethane claims as eligible and in the one situation where a relatively small amount of generation was determined to be ineligible, the retail seller withdrew the claim associated with the ineligible amount.

Delivery Requirements For Out-of-State Facilities

For claims through 2010 from RPS-certified out-of-state facilities, staff verified that procurement satisfied RPS delivery requirements. To meet the delivery requirements, retail sellers were required to submit e-Tag data to demonstrate that a sufficient amount of electricity was delivered into California within the calendar year to coincide with electricity procured from RPS-certified out-of-state facilities. Staff analyzed the delivery information provided, using both

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31 See the *RPS Eligibility Guidebook, Third Edition,* Section II, B, 6 - Renewable Facilities Using Multiple Fuels (p. 19). For more information see http://www.energy.ca.gov/2007publications/CEC-300-2007-006/CEC-300-2007-006-ED3-CMF.PDF.

32 For this report "biomethane" or "pipeline biomethane" refers to biogas that has been upgraded or otherwise conditioned to meet the gas quality standard applicable to the natural gas transportation pipeline system and is delivered to the generating facility using the natural gas transportation pipeline system in accordance with the *RPS Eligibility Guidebook*.

33 Staff Workshop on 2008-2010 RPS Procurement Verification and SB X 1-2 RPS Procurement Verification http://www.energy.ca.gov/portfolio/documents/index.html#09212012.

the CEC-RPS-Delivery and the WREGIS NERC e-Tag Summary Report[34] forms, to ensure that the source or "point of receipt" was located outside California and within the WECC; the final sink/load center or "point of delivery" was located in California; the CA RPS ID number of the RPS-certified facility or facilities with which the delivered electricity was matched was included in the miscellaneous field of the e-Tag; and the amount of electricity delivered was sufficient to cover the RPS claim amount.

After reviewing the delivery forms, staff requested retail sellers to provide randomly selected e-Tags as a way to audit the delivery information provided. Through this process, staff identified 13 energy delivery issues where the RPS ID number was not properly indicated on the e-Tag. These procurement claims were identified as pending at the September 21, 2012, workshop[35] and were listed as pending in the *2008-2010 Verification Staff Draft and Lead Commissioner Draft Reports*. The Energy Commission accepted these pending claims as eligible at the November 14, 2013 Business Meeting. A description of the verification method used to make the recommendation to accept the pending claims as eligible is described in Chapter 3: Verification Issues.

Verification That Renewable Energy Credits Are Counted Only Once

The Energy Commission also verified, to the extent possible, that RPS-eligible generation was counted only once in California or any other state, using mostly data submitted for the Power Source Disclosure Program (PSDP). If a retail seller claims specific purchases — purchases traceable to specific generation sources — on its Power Content Label, the retail seller is then required to submit an annual report to the Energy Commission listing generating facilities from which it procured specific purchases for the previous year.[36] Using data reported to the Energy

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34 Although e-Tags are commonly referenced as "NERC e-Tags," the North American Electric Reliability Council (NERC) has transferred the e-Tag system to the North American Energy Standards Board (NAESB). NAESB's e-Tag information may be found at http://www.naesb.org/weq/weq_jiswg_etag_1.8.asp. This *Verification Report* will refer to the electronic tagging information as e-Tags; however, it will refer to the "WREGIS NERC e-Tag Summary Report" as such because this remains the current name of the WREGIS report. WREGIS intends to update the name "WREGIS NERC e-Tag Summary Report" to remove "NERC" but as of the writing of this report, the update in WREGIS has not occurred.

35 Staff Workshop on 2008-2010 RPS Procurement Verification and SB X 1-2 RPS Procurement Verification, http://www.energy.ca.gov/portfolio/documents/index.html#09212012.

36 The "Power Content Label" is the format specified by the Energy Commission for the Power Source Disclosure Program to allow retail electric providers to disclose their fuel source information about electricity product(s) offered for sale to their customers. As specified in Title 20 of the California Code of Regulations, Sections 1390-1394, specific purchases for the Power Source Disclosure Program refer to wholesale power purchases that the retailer can trace to specific generators and thereby claim that the electricity offered for sale to retail customers is of a particular fuel or resource type.

Commission for the PSDP, retail seller procurement claims were cross-referenced with retail sales made by other load-serving entities in California, including POUs.[37]

Initial analyses of the 2008-2010 PSDP data included a review of the PSDP annual reports. There were 34 reporting entities to the PSDP in 2008, 40 in 2009, and 39 in 2010. Data from the PSDP annual reports included procurement from 731 facilities, including 396 facilities that were certified as RPS-eligible or were "registered" with the Energy Commission as a renewable supplier.[38]

Staff incorporated the PSDP claims of specific purchases into the RPS claims analyses to check for double-counting. In all cases where there were overclaims using PSDP data, Energy Commission staff required reporting entities to provide supporting documentation. In doing so, staff discovered that incorrect RPS IDs numbers submitted by the reporting entities resulted in apparent overclaims. The reporting entities corrected their filings, and the overclaim issues were resolved.

Coordinating With Other States to Ensure Against Double-Counting

As mentioned above, this *2008-2010 Verification Report* includes information from MJUs. The MJUs in this report include PacifiCorp and Sierra Pacific. Energy Commission staff verified, to the extent possible, that the renewable generation claimed by PacifiCorp and Sierra Pacific for California RPS compliance was not also claimed by the retail sellers for compliance in other states.

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37 In 2008 there were 34 entities that report to the Energy Commission under the Power Source Disclosure Program; in 2009 there were 40 and in 2010 there were 39. Entities that reported from 2008-2010 include 3 Phases Energy Services, Alameda Municipal Power, Anaheim Public Utilities, Anza Electric Cooperative, Inc., Azusa Light and Water, city of Banning, Bear Valley Electric Service, Biggs Municipal Utilities, Burbank Water and Power, Calpine Power America, city of Cerritos, Colton Public Utilities, Constellation New Energy Inc., city of Corona, Eastside Power Authority, Glendale Water and Power, Gridley Electric Utility, city of Healdsburg, Imperial Irrigation District, Lodi Electric, city of Lompoc, Los Angeles Department of Water and Power, Merced Irrigation District, Modesto Irrigation District, Moreno Valley Electric Utility, PacifiCorp, City of Palo Alto, Pasadena Water and Power, Pacific Gas and Electric Company, City of Pittsburg, (Island Energy), Plumas-Sierra Rural Electric Cooperative, Port of Oakland, Port of Stockton, Power and Water Resources Pooling Authority, Rancho Cucamonga Municipal Utility, Redding Electric Utility, city of Riverside, Roseville Electric, San Diego Gas & Electric Company, Sempra, Noble Energy Solutions, Shell Energy, Silicon Valley Power, Sacramento Municipal Utility District, Southern California Edison Company, Truckee-Donner Public Utilities District, Turlock Irrigation District, city of Ukiah, city of Vernon, and city of Victorville.

38 Through 2006, a facility that did not meet the RPS eligibility requirements, or the requirements for funding under the Energy Commission's New Renewable Facilities Program, could apply to the Energy Commission for "registration" as a renewable supplier if the facility generated then applicable electricity from one or more of the renewable resources consistent with definitions in the Energy Commission's *Overall Program Guidebook* (December 2006, Pub, No. CEC-300-2006-008-ED2). Facilities were also required to report the type and percentage of fossil fuel used, if applicable. Effective March 2007, the Energy Commission no longer registers facilities as renewable suppliers.

In years past, and using funding provided by a U.S. Department of Energy grant, the Energy Commission collaborated with Oregon and Washington state energy agencies to develop an energy information tracking system. This tracking system supported the administration of the PSDP by enabling the participating states to determine if generation was claimed in more than one of the participating states. While Energy Commission staff was able to obtain data for years up through 2007 using this tracking system, the state of Washington is unable to continue operation of the system. Therefore, this report does not contain an analysis of Washington's PSDP claims.

Energy Commission staff collaborated with the staff from the Oregon Department of Energy (ODOE) regarding the California and Oregon RPS programs. Oregon's RPS program allows unlimited banking for its RPS, which may result in 2007-2010 vintage RECs[39] being retired for ODOE's RPS compliance well into the future. Staff from both agencies will continue to collaborate to help ensure California RPS claims made by retail sellers and/or POUs using the ITS are not later claimed for Oregon's RPS using WREGIS.

Additionally, Energy Commission staff is coordinating with ODOE staff to determine if any stranded generation[40] is claimed for California's RPS. To assist in this analysis, Energy Commission staff compiled all California RPS claims per generating facility and compared the claims with Oregon stranded generation. No issues were identified as of the writing of this report, but staff from both agencies will continue to collaborate and monitor Oregon stranded generation to ensure it is not claimed for California's RPS.

Staff collaborated with the Public Utilities Commission of Nevada (PUCN) to confirm that procurement from facilities claimed for both Nevada and California RPS purposes was not double-counted. Staff at the PUCN provided Energy Commission staff with a list of the procurement amounts from 18 facilities in 2008, 7 facilities in 2009, and 7 facilities in 2010 that were claimed in each state's RPS program. Energy Commission staff used these data to verify that the total procurement did not exceed generation when the Nevada procurement amounts were combined with the California procurement amounts from these facilities. The

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39 WREGIS tracks the vintage of RECs by the month and year of generation. When referring to the vintage of a REC, the Energy Commission understands this to mean the month and year that the REC was generated.

40 Information on the ODOE website states: WREGIS is the only system available currently to create and guarantee unique RECs for the Oregon RPS. However, WREGIS was not always available for Oregon-eligible renewable energy generation. There is a gap between the first generation eligibility date under ORS (January 1, 2007) and WREGIS system availability (fall 2007). The generation that occurred during this gap is termed "stranded electricity" or "stranded generation." Rather than establish an alternate or interim tracking system (see OAR 330-160-0030[4]), the ODOE arranged for WREGIS to create RECs retroactively for stranded electricity. Uploaded electricity includes the early 2007 period of generation as well as early test generation and generation from hydropower efficiency upgrades. Under this arrangement, all RECs created through this process must be exclusively used for Oregon RPS compliance.

http://www.oregon.gov/energy/RENEW/Pages/RPS_Stranded_Electricity.aspx.

procurement amounts that were allocated to Nevada are listed in Sierra Pacific's 2008 – 2010 RPS-Appendix tables in Appendix A.

Coordinating With the Voluntary Renewable Energy Credit Market to Ensure Against Double-Counting

In addition to working with other states to protect against double counting, Energy Commission staff coordinated with Green-e Energy[41] (Green-e) to verify that California RPS procurement claims for 2008-2010 were not being counted on the voluntary REC market.

Analysis With Green-e Data for Renewables Portfolio Standard Facilities Located in California

Below is the process used to compare RPS claims from facilities located in California against Green-e voluntary REC claims. As requested by Energy Commission staff, Green-e staff provided a list of all in-state generating facilities that participate in the Green-e program along with the facilities' Green-e certified generation amounts. The list includes about 250 facilities, and identifies various facility related information, including: facility location, fuel type, nameplate capacity, and EIA ID or Qualifying Facility (QF) ID number, if available.

Energy Commission staff used the list of Green-e certified facilities to determine which facilities are also RPS-certified. It is often difficult to determine if a Green-e-certified facility and an RPS-certified facility are the same facility, because many facilities have similar names, fuel types, and locations.

Once staff confirmed which facilities are both Green-e and RPS-certified, staff determined which of those facilities had RPS procurement claims in 2008, 2009, and/or 2010. Staff then made a table for each of the 28 facilities that combined all the RPS procurement claims, PSDP procurement, and the Green-e-certified amounts to determine the facility's total procurement claim amount. This total claim amount was then compared with the facility's generation amount, which was acquired from other reporting sources such as the Energy Commission's Electricity Analysis Office, U.S. EIA, or the Energy Commission's RPS program via the CEC-RPS-GEN form and/or CEC-RPS-Multifuel forms. The percentage difference between the generation amount and the total procurement claim amount was calculated for each facility. If the result showed that the total procurement was over the generation amount by 5 percent or more, it was considered an overclaim.

Because Green-e's transaction data are confidential, Energy Commission staff created a table listing all the overclaims and sent it to Green-e for review of the final Green-e-certified purchaser amounts. Green-e was able to determine which purchasing entities acquired the Green-e-certified generation. In 2008, there were four overclaims associated with Green-e-certified facilities, and for each of the overclaims, the same retail seller who had made the RPS

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41 Green-e Energy, a program of the Center for Resource Solutions, is an independent consumer protection program for the sale of renewable energy in the voluntary retail market, see www.green-e.org. Green-e Energy does not require the use of WREGIS.

or PSDP claims also purchased the Green-e-certified generation. For these claims, the Green-e-certified claim was no longer included in the total procurement calculation, and the overclaims were resolved. The same is the case with the 2009 and 2010 analyses; in 2009 there were four overclaims, each of which was resolved after receiving feedback from Green-e about the final Green-e purchaser, and in 2010 there were also four overclaims that were resolved in the same manner.

Analysis With Green-e Data for RPS Facilities Located Outside California

In 2009 and 2010, many more RPS procurement claims from out-of-state facilities were made by retail sellers than in previous years., Staff requested that Green-e provide data for out-of-state facilities as well. Staff sent Green-e a list with all of the out-of-state RPS facilities for which there were 2008-2010 RPS procurement claims, a list totaling 92 facilities. Staff asked Green-e to provide Energy Commission staff Green-e data for all the facilities on the list that also participated in the Green-e program, as was done for the in-state facilities. Out of the original list of 92 out-of-state facilities with RPS procurement claims, Green-e provided Energy Commission staff a list of 72 facilities, which were both RPS and Green-e certified. Staff performed the same analysis, as explained in detail above, to determine if there were any overclaims. Staff identified four facilities in 2009 and two facilities in 2010 that had overclaims. There were no overclaim issues identified for the 2008 data. A table with these overclaims was sent back to Green-e to confirm if the retail seller making the RPS or PSDP procurement claim was also the final purchaser of the Green-e-certified generation. Green-e had concerns with the total procurement amounts from two of the facilities, so Energy Commission staff contacted the facility representatives to obtain data on the end use of the generation. Staff reviewed the end-use data from each facility and determined that it matched the RPS procurement claims, resolving the overclaim concerns. Staff also shared the facility's generation end-use data with Green-e, and Green-e staff members confirmed that the data resolved the issues for them as well.

Finalizing Verified Data

Staff incorporated comments from the September 21, 2012, workshop into the staff draft *2008-2010 Verification Report.* Comments received on the staff draft version of the report were also considered and incorporated, as appropriate. No public comments were received on the *2008-2010 RPS Verification Draft Lead Commissioner Report*.

Addressing the transition from the 20 percent RPS by 2010 program to the 33 percent RPS by 2020, the CPUC issued Decision 12-06-038, directing retail sellers to file final RPS Compliance Reports for years prior to 2011 following the "closing report" process.[42] Within 30 days of the Energy Commission's adoption and posting of the final *2008-2010 RPS Verification Report*, retail sellers must file verified RPS compliance reports with the CPUC using Energy Commission-

42 CPUC Decision (D.) 12-06-038 http://docs.cpuc.ca.gov/WORD_PDF/FINAL_DECISION/169704.pdf.

verified RPS procurement data.[43] Retail seller's RPS compliance reports are served on the service list for the RPS proceeding and made publicly available on the CPUC's website.[44]

All WREGIS Certificates must be retired in WREGIS and reported to the Energy Commission before a final closing report may be filed with the CPUC.[45]

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43 CPUC, D. 12-06-038, June, 21, 2012. Decision Setting Compliance Rules for the Renewables Portfolio Standard Program Ordering Paragraph 1.
http://docs.cpuc.ca.gov/WORD_PDF/FINAL_DECISION/169704.pdf

44 http://www.cpuc.ca.gov/PUC/energy/Renewables/compliance.htm

45 CPUC, June, 21, 2012. Decision (D.) 12-06-038 Setting Compliance Rules for the Renewables Portfolio Standard Program. Ordering Paragraph 2.
http://docs.cpuc.ca.gov/WORD_PDF/FINAL_DECISION/169704.pdf

CHAPTER 3: Verification Issues

The Energy Commission's September 21, 2012, RPS Procurement Verification Data Review Workshop presented initial verification results and discussed RPS reporting requirements for years 2011 and thereafter.[46] Staff sought public input on three issues related to the verification results:

1. Verification of procurement date relative to the vintage of the renewable energy credits for 2008-2010 .
2. Verification of biomethane related claims for 2008-2010.
3. Verification of energy delivery for out-of state facilities for 2008-2010.

This section addresses these issues and describes in detail the verification process for multifuel facilities. While there are no outstanding issues associated with multifuel facilities, Energy Commission staff describes the multifuel verification process to highlight some of the issues initially identified and ultimately resolved.

Staff considered public comments during and after the workshop, which are reflected in staff's recommendation on the pending claims described later in this section.

Verification of Procurement Date Relative to the Vintage of the Renewable Energy Credits

During the Energy Commission's RPS procurement verification process, staff occasionally reviews certain information from retail sellers' RPS contracts needed for verification of claims. During the 2008-2010 RPS procurement verification assessment, staff identified instances where retail sellers were claiming generation relative to contracts executed after 2010. For example, in one case a retail seller claimed RECs for the 2009 compliance year that had a 2009 vintage, but the claims were associated with a contract signed in 2011.

For reporting 2008-2010 procurement data, the *RPS Eligibility Guidebook, Fourth Edition,*[47] states: "The CEC-RPS-TRACK forms and/or WREGIS Compliance Reports are due to the Energy Commission on June 1 (or the next business day) of each year for reporting data for the previous calendar year. For the 2008 compliance year, these reports are due February 1, 2011, and for the 2009 compliance year, the reports are due May 1, 2011."

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46 This report does not address RPS reporting and verification under SB X1-2. For more information about the RPS program for 2011 and thereafter, see the *RPS Eligibility Guidebook, Seventh Edition.*

47 *RPS Eligibility Guidebook, Fourth Edition,* http://www.energy.ca.gov/2012publications/CEC-300-2012-003/CEC-300-2012-003-CMF.pdf (p.67).

The *RPS Eligibility Guidebook, Fifth Edition,*[48] addressed the CPUC's decision[49] establishing initial rules for how retail sellers may use Tradable Renewable Energy Credits (TRECs) for RPS compliance, requirements for tracking TRECs in WREGIS, and that the generating facilities must be certified by the Energy Commission as RPS-eligible. The CPUC decision states that TRECs associated with RPS-eligible electricity generated on or after January 1, 2008, can be procured, traded, and used for RPS compliance. The *RPS Eligibility Guidebook* notes that TRECs cannot be used for RPS before the 2010 compliance year and directs retail sellers to submit supplemental WREGIS reports for 2010 procurement, as appropriate, to report TRECs from RPS-certified facilities tracked in WREGIS for 2010.

In the example above, the 2009 RECs were procured after the electricity was generated and, therefore, are considered unbundled RECs, or RECs without the associated electricity – commonly referred to as *TRECs*. In addition to not being claimed before 2010, per the CPUC decision, the contract date is the deciding factor as to the earliest time frame that the RECs may be used for the RPS.

In some cases, staff identified WREGIS certificates with a vintage year different than the reporting year. This situation may occur when there are mistakes in the meter data, resulting in more WREGIS certificates than there is actual generation. When errors are identified, they need to be corrected, and the QRE will need to input the adjustments amount in WREGIS. This adjusted amount should represent the total number of RECs for the period in question. In such situations, adjustment amounts are written to the WREGIS database, and any "increases" or "decreases" will be applied to the next available WREGIS generation period data. For example, 110 WREGIS certificates with a December 2009 vintage were created, but, after accounting for prior period adjustments, it was found that only 100 WREGIS certificates should have been created. The 10 excess December 2009 vintage certificates would need to be included as part of the January 2010 vintage certificates because WREGIS will withhold creation of 10 certificates in January to correct for the excess certificate error.

Another situation related to the verification of procurement data and the vintage of the renewable energy credits occurred when staff identified 2008 and 2009 vintage year certificates for claims reported for 2010. While this reporting strategy does not appear to violate any specific RPS requirements, it complicates the verification analysis. For example, the 2008 and 2009 vintage-year certificates for 2010 claims caused overclaims when compared to 2010 RPS-eligible generation that staff resolved by removing the 2008 and 2009 vintage amount from 2010 analysis and applying it to the year of generation, which was 2008 and 2009. Only then could staff conduct a complete analysis to determine if there were any overclaims for 2008 and 2009. This resolved the overclaim issues for 2010 and staff also verified that there were no 2008 or 2009 overclaims.

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48 *RPS Eligibility Guidebook, Fifth Edition,* http://www.energy.ca.gov/2012publications/CEC-300-2012-002/CEC-300-2012-002-CMF.pdf (p.70).

49 CPUC Decision 11-01-025, January 13, 2011. Rulemaking 06-02-012, Order E, updating D.10-03-021 Section 4.11. http://docs.cpuc.ca.gov/PUBLISHED/FINAL_DECISION/129517.htm.

Staff expects to have a more sophisticated verification system in the future, but until then, vintage-year certificates for claims reported for a different reporting year will continue to complicate verification efforts.

While both CPUC decisions regarding TRECs and Senate Bill X-1 2 allow for procurement from one year to be applied to a later year (or a compliance period), procurement from contracts executed after 2010 may not be used for compliance in years during the 2008-2010 reporting period. Therefore, 2009 vintage WREGIS certificates procured under a contract executed in 2011 may not be used for compliance until the first compliance period (2011-2013), and in no case can procurement made under a 2011 contract be applied to a compliance obligation prior to 2011.

The execution date of a contract represents the first year for which reporting entities can claim procurement, and, therefore, retail sellers should not report RECs for years that precede the contract execution date. If Energy Commission determines that such claims have been made, the verification results will be amended to count RECs claimed before the contract execution date as ineligible or eligible for another year, if appropriate.

For this 2008-2010 verification report staff determined that in cases where the contract date was 2011 or later, the retail seller was required to remove the claims. In cases where the reason for the mismatch vintage/reporting year was due to WREGIS functionality, staff accepted the claims. In cases where the vintage year and reporting year did not match, if staff was able to verify that there was no double-counting, staff accepted the claims.

Multifuel Analysis

RPS-certified multifuel facilities using a mix of fuels or energy resources including fossil fuels, other nonrenewable energy resources, or multiple RPS eligible renewable energy resources to generate electricity may be eligible for the RPS. If certain conditions are met, 100 percent of the electricity generated from the multifuel facility may be counted as RPS-eligible.[50] Staff determined the amount of renewable electricity that may be attributed to each multifuel facility by comparing the renewable and nonrenewable fuel usage amounts with the amount of allowable nonrenewable fuel usage per RPS-eligible facility.

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50 A "de minimis" amount of fossil fuel (in most cases it is 2 percent of total annual fuel usage amount) used and measured on an annual total energy input basis may be counted for the RPS. Until December 31, 2011, RPS-certified facilities participating in the Energy Commission's Existing Renewable Facilities Program could use up to 5 percent of all fuels used and measured on an annual energy input basis, and 100 percent of the fuel output could be counted for the RPS. In limited circumstances, such as if a facility was certified and operational as a renewable qualifying small power production facility (QF) under the federal Public Utility Regulatory Policies Act before January 1, 2002, and is currently certified as a renewable QF, the fossil fuel usage may not exceed 25 percent of the total energy input of the facility during a given calendar year. See the *RPS Eligibility Guidebook, Third Edition,* Section II, B, 6 - Renewable Facilities Using Multiple Fuels (p. 19) for more information. See also http://www.energy.ca.gov/2007publications/CEC-300-2007-006/CEC-300-2007-006-ED3-CMF.PDF.

Initially, there were 12 multifuel issues identified, where the nonrenewable fuel usage amount exceeded the allowable limit to count 100 percent of the generation as RPS eligible. When staff identifies claims as exceeding the allowable fossil fuel usage, staff notifies the facility owners and provides a multifuel data analysis. Because owners of the multifuel facilities at issue were able to provide additional supporting documentation to demonstrate that the nonrenewable fuel usage amount did not exceed the limit, staff accepted the claims.

In one instance, the multifuel analysis of a group of facilities owned by the same entity indicated that the fuel use of four of the facilities claimed in 2009 and three of the facilities claimed in 2010 exceeded the 25 percent limit.[51] However, after working with the facilities' fuel reporting staff, it was discovered that the Federal Energy Regulatory Commission (FERC) granted this group of facilities a special calculation method for its fossil fuel usage because of the facilities' unique circumstances, something of which Energy Commission staff was unaware. After staff reviewed supplemental documentation submitted in support of the FERC calculation method and updated its fuel use data analysis, staff determined that the nonrenewable fuel amount for each facility in the group was within the 25 percent allowance and did not exceed the multifuel limit.

In another case, the multifuel analysis showed that, in 2008, a facility used 23.85 percent nonrenewable fuel, which greatly exceeded the facility's multifuel limit of 5 percent.[52] The issue was complicated by the fact that three retail sellers were making procurement claims from the same facility in that year. This issue was resolved after staff collected supplemental documentation, including payment statements for the natural gas used by the facility, to determine the fuel use amounts. After reviewing the documentation and fuel use data collected by other agencies, staff determined that the fuel use data used in the initial calculation had been misreported. Recalculating the facility's percentage of nonrenewable fuel use with the fuel amounts from the supplemental documentation showed a nonrenewable fuel use of 0.33 percent, well under the facility's nonrenewable fuel use limit.

In a third example claimed in 2010, the percentage of nonrenewable fuel use of a facility with multifuel limit of 25 percent was calculated as 97.64 percent. After contacting the facility about the fuel use issue, the facility reviewed the data used to calculate the nonrenewable fuel percentage and informed staff that the amount of nonrenewable fuel used was correct, but that the renewable fuel usage amount had been misreported. When the percentage of nonrenewable fuel use was recalculated using the correct renewable fuel use amount, it showed that the facility's nonrenewable fuel use in 2010 was 7.43 percent, well under the facility's multifuel limit of 25 percent.

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51 These QF facilities met the requirements of allowing up to 25 percent fossil fuel usage to count 100 percent of the facility output as renewable.

52 This facility participated in the Energy Commission's Existing Renewable Facilities Program and, therefore, had a nonrenewable fuel use amount of 5 percent.

Of the initial 12 multifuel issues identified during this analysis, all were ultimately shown not to have exceeded the fossil fuel usage limits once staff reviewed additional supporting documentation with accurate fuel usage amounts, and recalculated the facility's percentage of nonrenewable fuel use. However, there was one outstanding issue with a facility that is RPS-certified as "renewable-only," which means that the facility can count only the generation attributable to the use of renewable fuel as RPS-eligible. Generation from this facility was claimed by PG&E in 2010. When staff requested that PG&E submit fuel-usage data for the facility, PG&E provided the data but also informed staff that PG&E had inadvertently retired and reported more WREGIS certificates from this facility than were eligible based on the amount of renewable fuel used by the facility. PG&E requested that the ineligible certificates be counted as withdrawn in the *Verification Report*, which is identified in Chapter 4: Verification Findings: in Table 5, PG&E's Summary of RPS Procurement.

Verification Requirements for Biomethane Claims

The *RPS Eligibility Guidebook, Third Edition,* establishes the following requirements for the use of biomethane delivered through the natural gas pipeline system:

1. The gas must be produced from an RPS-eligible resource, such as biomass or digester gas.
2. The gas must be injected into a natural gas pipeline system that is either within the WECC region or interconnected to a natural gas pipeline system in the WECC region that delivers gas into California.
3. The energy content of the gas produced and supplied to the transportation pipeline system must be measured monthly and reported annually, illustrated by month. Reporting shall be in units of energy (for example, million British Thermal Unit [MMBtu]), based on metering of gas volume and adjusted for measured heat content per volume of each gas. In addition, the total amount of gas used at the RPS-eligible facility must be reported in the same units measured over the same period, and the electricity production must be reported in MWh.
4. The gas must be used at a facility that has been certified as RPS-eligible. As part of the application for certification, the applicant must attest that the RPS-eligible gas will be nominated to that facility or nominated to the load-serving entity-owned pipeline serving the designated facility.
5. In its annual RPS procurement verification reports, the Energy Commission staff calculates the RPS-eligible energy produced using the same method discussed above.

In addition to these requirements, the RPS-certified facility, or the biomethane supplier, must enter into contracts for the delivery or storage of the gas with every pipeline or storage facility operator transporting or storing the gas from the injection point to California (or to the RPS-certified facility if the RPS-certified facility is located outside California). This reporting is required to support the analysis preventing natural gas from inadvertently being counted as RPS-eligible.

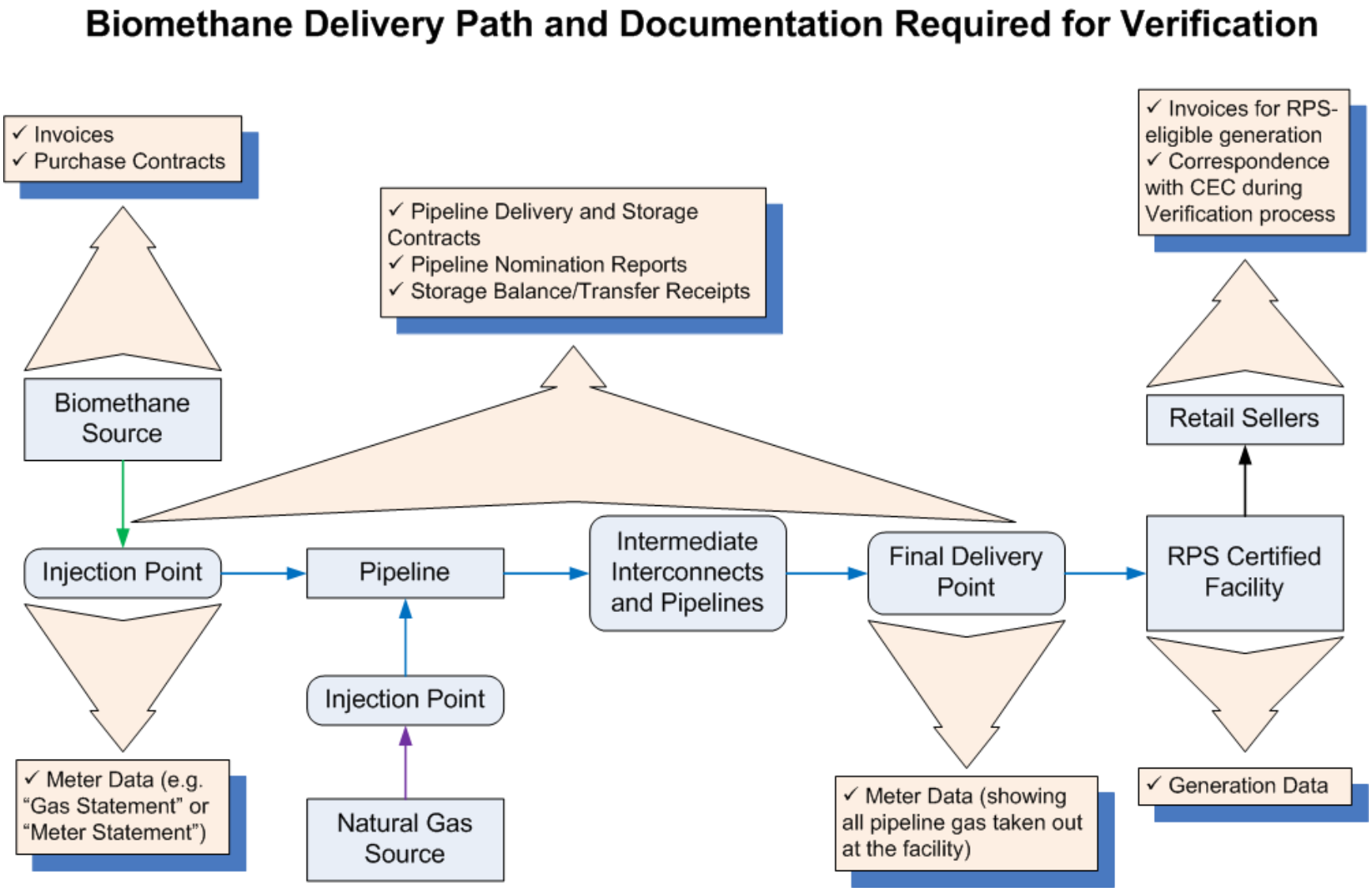
Requirements for biomethane verification include both physical and contractual verification requirements. The physical verification requirements must come from the biomethane source and from the RPS-certified facility. The contractual verification requirements include invoices for the injected biomethane and proof of the physical path for biomethane delivery. Staff confirmed that the biomethane used at an RPS-certified facility met these requirements by requesting, at a minimum, the following information from the RPS-certified facilities or retail seller:

1. The pipeline delivery path of the biomethane from the gas source to the RPS-certified facility.
2. Copies of contracts for each pipeline section of the delivery path, as well as the contract for the purchase of the biomethane.
3. Monthly energy content and volume meter data for the gas injected in the pipeline at the source as well as for the gas taken from the pipeline at the generating facility. Invoices cannot be substituted for meter data.
4. Invoices for the purchases of biomethane.
5. In the event that biomethane was stored for later use at the facility, contracts for storage with the pipeline operators and monthly storage statements for this gas.

Figure 1 on the following page shows the required documentation as it relates to the delivery path.

Some of the RPS claims included storage, which required additional documentation to verify. Other claims were made by two retail sellers from the same RPS-certified facility using two biomethane sources, requiring a comparative analysis to ensure RPS claims were not overclaimed by the two retail sellers.

Figure 1: Locations Along Biomethane Delivery Path Where Data Must Be Gathered



Source: Staff analysis based on documentation and comments supplied by load serving entities and other stakeholders.

Verification Process for Biomethane Claims

Staff worked closely with the retail sellers and, in one case, with the third party supplying the biomethane to the RPS-certified facility on behalf of the reporting entities as part of the verification analysis. All biomethane amounts were analyzed on an energy basis in units of MMBtu, and all electrical generation was analyzed in units of MWh.

First, staff analyzed the contractual requirements for the biomethane claims. Staff analyzed the gas delivery contracts to ensure that there was a physical path available during the time of delivery from the biomethane source to the RPS-certified generating facility. This analysis was done to help ensure that only the biomethane fuel that was purchased, delivered, and used by the RPS-certified facility could count toward the RPS claim amounts. Staff also analyzed the monthly invoices provided by the RPS-certified facility to ensure that the biomethane was purchased.

Next, staff analyzed the physical verification requirements. Staff compared the biomethane fuel purchase invoices, pipeline injection reports, and pipeline nomination reports showing delivery amounts on a monthly basis. The lesser value for each month from these three data sources was taken as the verifiable biomethane fuel amount for the month. Staff did not accept more than the lesser of the injected, delivered, or invoiced amounts on a monthly basis to ensure that no nonrenewable fuel was inadvertently counted as RPS-eligible.

After staff determined the total RPS-eligible amount of biomethane delivered to the RPS facility for the year, or contracted time frame (based on the monthly analysis described above), staff did not require a strict monthly correlation between the amounts of eligible biomethane fuel and the RPS-eligible generation. Instead, staff took the ratio of the total RPS-eligible amount of biomethane for the year and the total amount of fuel consumed at the RPS-certified electrical generation facility for the same year and multiplied it by the total electrical output of the RPS-certified electrical generation facility for the same year to derive the total amount of RPS-eligible generation that was produced that year, as shown in the equation below:

$$RPS\ Eligible\ Generation = \frac{RPS\ Eligible\ Biomethane\ (MMBtu)}{Total\ Fuel\ Use\ At\ RPS\ Certified\ Facility\ (MMBtu)} \times Total\ Generation\ (MWh)$$

However, in all cases, no more electricity generation than that corresponding to the total allowable amount of gas could be counted for the RPS. Allowing for some flexibility in the reporting of monthly RPS claims may help account for some WREGIS REC creation issues, where the number of RECs created in one month may be lower than the amount of verified RPS-eligible gas that was delivered to the RPS-certified electrical generation facility in that same month. Such accounting adjustments may occur in WREGIS, and then this lower amount could later be adjusted in a subsequent WREGIS REC creation cycle, resulting in REC amounts that may not mirror the monthly biomethane delivered amounts. Requiring RPS claims to match the amount of RPS-eligible gas amount delivered in a particular month would become a burdensome reporting and verification analysis and is not necessary as long as the total RPS-eligible biomethane amount does not exceed the amount of verified RPS-eligible biomethane delivered to the facility in a particular year or contracted time frame.

Verification Analysis of Specific Biomethane Claims

Only three retail sellers had biomethane claims from 2008 to 2010: PG&E, Noble, and Pilot. Each claim had its unique set of issues that were eventually resolved, as described below.

Noble Americas Energy Solutions, LLC and Pilot Power Group, Inc

Noble and Pilot both made REC claims from the same facility using biomethane fuel in 2010: Calpine Energy Services' Pastoria Energy facility. This RPS-certified facility used biomethane that was stored on the natural gas pipeline system. Pastoria was able to provide staff with storage contracts, storage balance receipts, and pipeline nomination reports that showed the biomethane amounts delivered from the biomethane source, being placed into storage, being later removed from storage, and then ultimately delivered to Pastoria. Pastoria produced more than enough eligible generation in 2010 to meet RPS claims for both Noble and Pilot, as seen in Table 1 below:

Table 1: Noble and Pilot 2008-2010 Biomethane Claim Analysis

Year	Net Generation (MWh)	RPS-Eligible Biomethane (MMBtu)	Total Fuel Use (MMBtu)	% Renewable Fuel Use	RPS-Eligible Generation (MWh)	Original WREGIS Claim (MWh)
2010	708,850	151,989	5,015,589	3.03%	21,481	21,462

Source: Noble and Pilot WREGIS Compliance Reports and supporting documentation.

Pacific Gas and Electric Company

PG&E had biomethane claims for 2008, 2009, and 2010 from the Humboldt Bay Power Plant 1, Humboldt Bay Power Plant 2, and Gateway facilities. These facilities share the same two biomethane sources through PG&E's natural gas pipeline system. Because they shared the same biomethane sources, were connected to the same pipeline, and were claimed only by PG&E, staff determined it was appropriate to analyze them as one large electrical generation facility. This approach eliminated the need for staff to go through the arduous and arbitrary task of allocating portions of gas from the biomethane sources to each facility. The results of the analysis are shown in Table 2 below.

Table 2: PG&E 2008-2010 Biomethane Claim Analysis

Year	Net Generation (MWh)	RPS-Eligible Biomethane (MMBtu)	Total Fuel Use (MMBtu)	RPS-Eligible Generation (MWh)	Original WREGIS Claim (MWh)	Percent Disallowed
2008	45,891	9,484	589,099	739	753	-1.89%
2009	2,501,405	388,201	19,288,292	50,344	52,256	-3.66%
2010	1,880,945	237,093	13,256,280	33,641	31,605	0%

Source: PG&E CEC-RPS-Track and WREGIS Compliance Reports and supporting biomethane documentation.

PG&E was notified of the above overclaims and reduced its RPS claim by the overclaimed amounts.

Verification of Energy Delivery for Out-of-State Facilities

Retail sellers claiming procurement from out-of-state facilities as RPS-eligible for 2008 to 2010 must demonstrate that such procurement complies with delivery requirements specified in the *RPS Eligibility Guidebook,* Third and Fourth Editions.[53] An annual matching quantity of electricity must be delivered to a point of delivery in California in a manner consistent with North American Electrical Reliability Corporation (NERC) rules and documented with an e-Tag.[54] Electricity may be delivered into California at a different time than when the RPS-certified facility generated electricity, under former Public Resources Code section 25741, subdivision (a).[55] As explained in the Third Edition *RPS Eligibility Guidebook*:[56]

> "Further, the electricity delivered into California may be generated at a different location than that of the RPS-certified facility. In practical terms, out-of-state energy may be 'firmed' or 'shaped' within the calendar year. Firming and

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53 Since the earliest version of the *RPS Eligibility Guidebook,* there has always been a delivery requirement associated with out-of-state facilities. The Third and Fourth *RPS Eligibility Guidebook* Editions apply to retail sellers for 2008-2010 data as the Third Edition was adopted December 19, 2007, and the Fourth was adopted on December 15, 2010. However, the Fourth Edition clarifies reporting instructions and includes the CEC-RPS-Delivery form that was used to report delivery data not available in WREGIS. Furthermore, e-Tag data were not available using WREGIS until 2009, so 2008 e-Tag data were accepted using the CEC-RPS-Delivery form. Furthermore, third parties are unable to transfer WREGIS e-tag data to other parties in WREGIS and until this issue is resolved, retail sellers may be allowed to report delivery information provided by third parties using the ITS. The Fourth Edition clarified reporting instructions when WREGIS e-Tag data are unavailable, such as in the case of third parties. The Third and Fourth *RPS Eligibility Guidebooks* are available at http://www.energy.ca.gov/renewables/documents/old_guidebooks.html.

54 The NERC is the entity responsible for the implementation of the first energy tagging process. E-Tags were formally referred to as "NERC e-Tags" but are now more widely referred to as "e-Tags." An *e-Tag* is an electronic record that contains the details of a transaction to transfer electricity from a seller to a buyer where the electricity is scheduled for transmission across one or more balancing authority area boundaries. The North American Energy Standards Board (NAESB) uses an Electric Industry Registry (EIR), known as the OATI webRegistry as the official source of e-Tag registry data. http://www.naesb.org/weq/weq_eir.asp. The previous EIR was the NERC TSIN Registry, which was expected to cease publishing of registry data on November 13, 2012, with the OATI webRegistry becoming the official source of registry data.

55 Former Public Resources Code section 25741(a), as enacted by SB 107, provided in pertinent part that "… electricity generated by an eligible renewable energy resource may be considered "delivered" regardless of whether the electricity is generated at a different time from consumption by California end-use retail customers."

56 Page 23, http://www.energy.ca.gov/2007publications/CEC-300-2007-006/CEC-300-2007-006-ED3-CMF.PDF.

shaping refers to the process by which resources with variable delivery schedules may be backed up or supplemented with delivery from another source to meet customer load."

Under the rules in place before implementation of SB X1-2, various contracting structures could be used to meet the RPS-delivery requirements, but every arrangement must account for both the RECs and energy delivery into California. The firming and shaping services could be provided by the facility, a third party, or the retail seller, provided both the energy and the RECs were originally procured together and energy delivery occurred within the same calendar year.

There are two processes for submitting e-Tag data for RPS verification of 2008-2010 delivery claims. The first process is part of the ITS and is used only when e-Tags are not available in WREGIS.[57] The retail seller must complete a CEC-RPS-Delivery form to report the data contained on the e-Tag, including the Purchasing Selling Entity (PSE) code, Point of Receipt (POR), Point of Delivery (POD), and the monthly and total annual amounts of energy procured. To verify that data reported on the CEC-RPS-Delivery form are acceptable, staff requested that retail sellers submit sample e-Tags associated with the energy delivery for each out-of-state claim. During this verification process, the majority of the delivery amounts were sufficient to match the REC claims. In cases where there were more RECs claimed than there was energy delivery, only the amount of RECs with sufficient energy delivery were determined to be eligible.

The second process for verification uses the e-Tag functionality in WREGIS and includes the retail seller's submission of a WREGIS NERC e-Tag Summary Report,[58] along with its WREGIS compliance report. This WREGIS NERC e-Tag Summary Report pulls data from e-Tags that are imported into WREGIS, which contain information used to verify delivery.

In 2009, the first year that WREGIS functionality allowed for the use of e-Tags, WREGIS NERC e-Tag Summary Reports were submitted by PG&E, SCE, and SDG&E for a total of 25 procurement claims. In 2010, CNE, Noble, Pilot, PG&E, SCE, and SDG&E submitted the reports for a total of 43 out-of-state claims. To verify that a sufficient amount of energy delivered to California was matched with the out-of-state procurement claims using the WREGIS NERC e-

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57 WREGIS provides information to verify delivery of energy into California from out-of-state facilities. This service, which uses data from e-Tags to report out-of-state delivery information, became available in WREGIS early 2009. However, WREGIS stakeholders identified a technical issue that precludes retail sellers from accessing the e-Tag in WREGIS if third-party importers schedule delivery into California. For 2009 and 2010, WREGIS must be used for reporting out-of-state facilities' delivery data; however, Energy Commission staff allowed submission of e-Tag information using the ITS, CEC-RPS-DELIVERY form. See *RPS Eligibility Guidebook, Fourth Edition* p. 64-65, http://www.energy.ca.gov/2010publications/CEC-300-2010-007/CEC-300-2010-007-CMF.PDF.

58 WREGIS intends to update its "NERC e-Tag Summary Report" to remove NERC but has not done so yet. This verification report will continue to refer to the WREGIS NERC e-Tag Summary Report as such but will use e-Tags with references not in connection with the WREGIS NERC e-Tag Summary Report.

Tag Summary Report, staff summed up the total annual amount of e-Tag MWh used as reported in the WREGIS NERC e-Tag Summary Report, and then compared that amount to the total annual amount of out-of-state RECs reported in the WREGIS Compliance Report for each retail seller. All of the WREGIS NERC e-Tag Summary Reports submitted showed that a sufficient amount of delivered energy was matched with the out-of-state procurement claims. For each of these claims, retail sellers also submitted at least one of the e-Tags matched with the certificates in WREGIS and reported in the WREGIS NERC e-Tag Summary Report. Staff used these e-Tags to verify the other delivery requirements, such as the PSE code, the POR, the POD, and that the RPS ID number of the RPS-certified facility that the e-Tag is matched with is in the miscellaneous field of the e-Tag. Staff also double checked that the data reported for the e-Tag in the WREGIS NERC e-Tag Summary Report was accurate.

Most of the retail sellers submitted sample e-Tags in the requested e-Tag format. However, some retail sellers stated they did not have access to the e-Tag data in the typical e-Tag format and instead submitted e-Tag documentation in different formats; most often this consisted of OATI screenshots of the e-Tag data. Such e-Tag documentation was considered acceptable by staff.

Pending Claims

Table 3 identifies the 2008-2010 claims made by three retail sellers that were reported as pending in the *2008-2010 Verification Staff and Lead Commissioner Draft Reports*, followed by an explanation of the pending procurement claims and staff's rationale for accepting these claims as RPS-eligible. At the November 14, 2013 business meeting, the Energy Commission accepted the pending claims as RPS eligible claims. These claims are no longer pending.

Table 3: Retail Sellers' Pending Claims – RPS ID Typographical Error or Not in Misc Field, but in Comment Field

Year	Retail Seller	Facility	Justification	Claim Amount kWh
2008	Direct Energy	White Creek Wind 1	2nd Edition of *RPS Eligibility Guidebook* required RPS ID in the comment section of the e-Tag	84,877,000
	CNE	White Creek Wind 1	2nd Edition of *RPS Eligibility Guidebook* required RPS ID in the comment section of the e-Tag	68,665,000
2009	CNE	Wheatfield Wind Farm	Incorrect RPS ID on the e-Tag (Typo)	31,400,000
	3Phases	Simpson Cogen	2nd Edition of *RPS Eligibility Guidebook* required RPS ID in the comment section of the e-Tag	9,600,000
			Total Pending	194,542,000

Source: RPS staff analysis of retail sellers' 2008-2010 CEC-RPS-DELIVERY and WREGIS NERC e-Tag Summary Reports, and additional supporting information, including individual e-Tags.

Direct Energy

Direct Energy's 2008 claim from White Creek Wind I did not have e-Tags with the RPS identification number in the Miscellaneous field of the e-Tag; however, the RPS ID number was in the comment field of the e-Tags. As allowed under the *RPS Eligibility Guidebooks,* Third and Fourth Editions, PowerEx, a third-party marketer of renewable energy products, provided the firming and shaping services.

Direct Energy provided information explaining that PowerEx inadvertently listed the RPS ID number of the facility in the Comment field of the e-Tag, rather than the Miscellaneous field. In doing so, PowerEx was following the delivery and verification requirements for out-of-state RPS-certified facilities as specified in the *RPS Eligibility Guidebook, Second Edition.* This edition states that the RPS ID number of the facility must be shown in the comment field of the e-tag. Subsequent *RPS Eligibility Guidebooks* specify that the RPS ID number must be in the Miscellaneous field.

Direct Energy provided a list of all the PowerEx 2008 e-Tags associated with Direct Energy's White Creek claim, along with six e-Tags from the list. Direct Energy also submitted a signed attestation with its 2008 CEC-RPS-Delivery form for this claim.

Constellation New Energy

CNE had four claims in 2008 and 2009 in which the e-Tags did not have the RPS ID number in the Miscellaneous field of the e-Tag. These claims are the 2008 White Creek Wind I claim and the 2009 Big Creek Wind, Goodnoe Hills, and Wheat Field Wind Farm claims.

PowerEx, as a third party, supplied CNE's 2008 claim from White Creek Wind I procurement and, as a result, provided both the explanation as to why the e-Tags failed to include White Creek's RPS ID number and the requested supplemental documentation. PowerEx explained that it followed the *RPS Eligibility Guidebook, Second Edition,* direction to place the RPS ID number in the Comment field rather than the Miscellaneous field, as was specified in the *RPS Eligibility Guidebook, Third Edition.*

On behalf of CNE, PowerEx provided supporting information that included a list of all the 2008 e-Tags associated with CNE's White Creek claim and copies of nine e-Tags from the list. CNE submitted a revised CEC-RPS-Delivery form correcting the POR and POD listings and a signed attestation. As described in detail in Chapter 4: Verification Findings, CNE requested that 10,091,000 kWh be withdrawn from its White Creek claim.

CNE's 2009 claim from Wheatfield Wind Farm did have e-Tags with an RPS ID number in the Miscellaneous field; however, the number on the e-Tags was 6075A, and Wheatfield Wind Farms RPS ID number is 60750A. CNE submitted an e-mail to staff explaining that the incorrect RPS ID number entered on the e-Tag was a typographical error carried over from the original purchase contract which was subsequently carried forward into subsequent contracts and used for scheduling/tagging purposes. CNE provided a list of e-Tags demonstrating delivery into California sufficient to cover the Wheatfield Wind Farm claim along with a delivery form attesting to the delivery amount.

3Phases Energy Services

The 3Phases 2009 claim from the Simpson Cogen facility did not have e-Tags with the RPS ID number in the Miscellaneous field; however, the Simpson Cogen facility's RPS ID number was in the comment section of the e-Tag. 3Phases explained that its supplier, Iberdrola Renewables, acknowledged that it incorrectly placed the RPS ID in the "Comment" field rather than the "Miscellaneous" field of the NERC e-Tags in question because of an oversight surrounding revised language in the California *RPS Eligibility Guidebook* in place at the time. However, Iberdrola noted that the oversight was corrected in mid-2010, and that subsequent e-Tags reflect RPS ID numbers in the "Miscellaneous" field.

In addition to the list of e-Tags, 3Phases also submitted a signed attestation with its 2009 CEC-RPS-Delivery form.

Table 4: Retail Sellers' 2008-2010 Pending RPS-Procurement Claims – No RPS ID on e-Tag

Year	Retail Seller	Facility	Justification	Amount (kWh)
2008	PG&E	Rattlesnake Road	Test Energy – facility did not yet have full certification.	4,837,000
	Shell	White Creek Wind 1	Trader/scheduler failed to enter RPS ID.	1,171,000
2009	CNE	Big Horn Wind; Goodnoe Hills	Trader/scheduler did not have the capability to get the RPS ID into the e-Tags at the time.	103,158,147
	Shell	Klondike Wind III; White Creek Wind 1	Trader/scheduler failed to enter RPS ID.	19,077,000
2010	Shell	Klondike Wind III; White Creek Wind 1; Harvest Wind Project	Trader/scheduler failed to enter RPS ID	122,580,000
			Total Pending	250,823,147

Source: RPS staff analysis of retail sellers' 2008-2010 CEC-RPS-DELIVERY and WREGIS NERC e-Tag Summary Reports, and additional supporting information including individual e-Tags.

PG&E

PG&E's 2008 e-Tags for Rattlesnake Road Wind Farm (Rattlesnake Road) did not include the facility's RPS ID number. PG&E requested that its 2008 energy delivery still count as eligible and explained that the RPS ID numbers were missing because the November and December 2008 generation was test energy and that the facility was not yet RPS-certified. (The facility was precertified in 2007.) Rattlesnake Road achieved full commercial operations in December 2008, and PG&E began including Rattlesnake Road's RPS ID number on its e-Tags in January 2009. To demonstrate that PG&E did match energy imported into the state in 2008 with the Rattlesnake Road RECs, PG&E submitted a list of all the e-Tags and associated information that represented

the imported energy, an e-Tag from that list, and the signed attestation from the CEC-RPS-Delivery form.

Shell Energy North America, L.P.

Shell Energy's 2008 and 2009 e-Tags did not include the RPS ID numbers in the "Miscellaneous" field. When submitting its sample of 2008 e-Tags, Shell Energy informed staff of the issue and requested that its energy deliveries still be considered eligible. Shell Energy explained that the trader/scheduler failed to enter the RPS ID on the e-Tags. When submitting 2009 energy delivery data to the Energy Commission, Shell Energy reminded staff of this issue and reiterated that, although the e-Tags did not have the RPS ID number in the Miscellaneous field, the energy amounts delivered were intended to be associated with its 2009 RPS procurement. Shell's reported vintage 2010 procurement did have the correct RPS ID numbers in the Miscellaneous field of the associated e-Tags for the out-of-state procurement claims.

Shell has claims with vintage 2008 procurement from White Creek Wind I in 2008 and 2010, and claims with vintage 2009 procurement from four facilities (Klondike Wind Power III, Klondike Wind Power IIIA, White Creek Wind I [as referenced above], and Harvest Wind Project) that did not satisfy the guidebook requirement of having the RPS ID number in the Miscellaneous field. To support its claims, Shell submitted, for each claim, a list of all the e-Tags, a random e-Tag from the list of e-Tags, and an attestation explaining that all the out-of-state renewable claims were matched with generation delivered from an existing out-of-state contract. Shell submitted documentation for each of the five vintage 2008 and 2009 procurement contracts.

Constellation New Energy

CNE's 2009 Big Horn Wind claims were procured from Shell Energy. CNE provided documentation explaining that Shell, acting as a third party, imported energy into California to match with the RECs purchased from the Big Horn Wind Project. Shell did not yet have a process in place to ensure that the RPS ID numbers were entered on all of the import e-Tags for the replacement energy delivered to California. A list of e-Tags associated with the Big Horn energy delivery, and an e-Tag from the list of e-Tags was provided.

For CNE's 2009 claim from Goodnoe Hills, CNE explained that it was unclear why the energy supplier omitted the RPS ID number from the e-Tags; however, CNE provided the CEC-RPS-Delivery form and a signed attestation supporting its claim. CNE also submitted a list of e-Tags for the claim. However, the list of e-Tags showed an insufficient amount of energy delivery into California to cover the Goodnoe Hills procurement claim. CNE requested that the portion of the claim unsupported by the list of e-Tag be counted as withdrawn. Due to this, CNE's pending Goodnoe Hills claim is reduced by 4,267,147 kWh.

Recommendation to Accept Pending Claims

Energy Commission staff audited all out-of-state claims to verify that there were sufficient e-Tags to support the requirement that energy be delivered into California. Those that provided e-Tags that did not meet the guidebook requirements then provided additional supporting documentation. The different circumstances in which verification of energy delivery did not meet the *RPS Eligibility Guidebook* requirements are described in detail in the sections above.

In all cases, the e-Tags used to demonstrate delivery into California did not include the RPS ID number in the Miscellaneous field of the e-Tag as specified in the *RPS Eligibility Guidebook*. The requirement to include the RPS ID number on an e-Tag is a way to virtually commit energy delivery and associate the delivered energy with generation claimed from a particular RPS-certified facility. Entities may include up to 10 RPS ID numbers on an e-Tag, but WREGIS will not allow an e-Tag to be used more than once. Moreover, WREGIS will not import e-Tag data without an RPS ID number in the Miscellaneous field. Any typos or similar errors can prohibit the e-Tag data from transferring into WREGIS. Furthermore, WREGIS will not import e-Tag data if the same RPS ID number is listed on the e-Tag twice.

As summarized in Table 3, 3Phases, CNE and Direct Energy had e-Tags that included the a typo in the RPS ID number, or the RPS ID number in the Comment field instead of the Miscellaneous field of the e-Tag. The *RPS Eligibility Guidebook, Second Edition,* directed retail sellers to include the RPS ID number in the Comment field of the e-Tag. Affected parties explained that there was a lag in switching to the new *RPS Eligibility Guidebook, Third Edition,* requirements. However, the presence of the RPS ID number on the e-Tag essentially demonstrates the intention to associate the e-Tag with generation from the RPS-eligible facility. The retail sellers also provided lists of the e-Tags and the CEC-RPS-Delivery forms, which include signed attestations stating that there was sufficient energy delivered into California to cover the claims and that the energy used for delivery was not used for reasons other than to comply with California's RPS.

In Table 4 above, while there was no RPS ID number on the e-Tags, in all cases, the retail sellers provided lists of e-Tags used to meet the firming and shaping requirements. Furthermore, the CEC-RPS-Delivery forms include signed attestations stating that sufficient energy was delivered into California to match the REC claims and that the energy used for this delivery requirement was not used for reasons other than to comply with California's RPS.

As explained above, there are various reasons why the RPS ID numbers were not in the Miscellaneous field of the e-Tags, or not on the e-Tags at all. Each retail seller in this situation provided additional supporting documentation to demonstrate adequate and timely energy delivery into California to match the out-of-state RPS claims. Moreover, with each CEC-RPS-Delivery form, retail sellers attested that the energy deliveries met the Energy Commission's RPS energy delivery requirements, the energy delivered for RPS compliance was not delivered elsewhere or used to satisfy obligations in jurisdictions other than California, and they were not used for reasons other than to comply with California's RPS. Accordingly, staff recommended that, without evidence to the contrary, the pending out-of-state claims that did not have the RPS ID number in the Miscellaneous field of the e-Tag be accepted as RPS-eligible in the final Energy Commission-approved *2008-2010 RPS Verification Report* and the Energy Commission adopted this recommendation. This *2008-2010 Verification Report* does not have any pending claims; these previously pending amounts are now included as part of the eligible RPS procurement claim amounts for each retail seller as applicable.

CHAPTER 4: Verification Findings

This chapter presents procurement verification findings for retail sellers (IOUs, MJUs, ESPs, and CCAs) and updates findings presented in the *2007 Verification Report* for SCE and Noble. A facility must be certified by the Energy Commission for its generation to be eligible for the RPS. Staff has identified RPS claim amounts that are disallowed, pending, withdrawn, and/or eligible, along with a brief description of the particular issue affecting these claims. In some cases, the retail seller requested that Energy Commission staff withdraw an ineligible claim amount. In some cases, as described in the retail seller's section below, this withdrawal is made to address claims expected to be made in future verification reports.

The following subsections provide the verified data necessary for the CPUC to determine retail seller's compliance with RPS procurement obligations for years prior to 2011. Specifically, the subsections compare procurement claims from each retail seller with available generation data for 2008-2010 and reports on the eligibility of those RPS claims. For Noble, updates for 2007 are provided; for SCE, updates for 2001 and 2003-2010 are provided.

Renewables Portfolio Standard Verification Results

Following the discussion of pending claims are tables with staff's verification determinations of the retail sellers organized by IOUs, MJUs, ESPs, and one CCA.

Summary Tables

The following summary tables show RPS procurement for 2008-2010 and include:

- Total RPS Procurement Claimed.
- Disallowances.
- Total Disallowances.
- Pending Allowances.
- Total Pending Allowances.
- Withdrawn Procurement Claims (included only on tables with withdrawn claims).
- Total Withdrawn Procurement (included only on tables with withdrawn claims).
- Verified Procurement Eligible Toward the RPS.

Table 5 through Table 8 summarize each IOU's 2008-2010 RPS procurement claims, with the exception of SCE, which includes updates for 2001 and 2003-2010. Table 9 and Table 10 are summaries of each MJU's 2008-2010 RPS procurement claims, while Table 11 through Table 21 summarize ESP and CCA 2008-2010 RPS procurement claims, with the exception of Noble, which includes an update for 2007.

For ease of viewing, Figure 2 provides a template of the RPS procurement summary table with footnotes explaining the headers for each row title in the tables that follow. However, only retail sellers requesting that procurement be withdrawn have the "Withdrawn Procurement Claims"

section on their tables. These retail sellers are PG&E, SDG&E, SCE, and Pilot. Appendix A: Retail Sellers' Modified RPS Track Forms and WREGIS Reports provide modified CEC-RPS-Track forms and WREGIS Report data for all retail sellers. The appendix shows each retail seller's procurement claim for each facility with the generation totals from each facility, when available. Please note, that earlier verification reports included the retail sellers' annual retail sales amounts for informational purposes and to assist in CPUC staff's RPS compliance analysis. However, because the retail sales amounts are reported in the CPUC's current RPS compliance spreadsheet, the Energy Commission staff is not including the retail sales amounts in the *2008-2010 Verification Report*.

Figure 2: Template Summary of RPS Procurement (kWh)

DRAFT Template Summary of RPS Procurement (kWh)
Total RPS Procurement Claimed[1]
Disallowances
Procurement From Facilities Without RPS-Certification[2]
Procurement From Facilities in Which Procurement Claims Exceed Generation by 5 Percent or Greater[3]
Procurement From Distributed Generation Facilities[4]
Procurement of Energy Only[5]
Procurement From Facilities That Exceeded Fossil Fuel Usage Limit[6]
Procurement Claimed Before the Facility's Beginning On Date[7]
Procurement with Insufficient Energy Delivery[8]
Total Disallowances
Pending Allowances
Procurement With Outstanding Issues Regarding Electricity Delivery Verification[9]
Procurement With Outstanding Issues Regarding Biomethane Gas Delivery Verification[10]
Total Pending Allowances
Withdrawn Procurement Claims[11]
Procurement Amount Requested to be Withdrawn from LSE's RPS Filing via Letter. Excess REC Amount to be Reduced in WREGIS in a Future Year. LSE submitted a letter Requesting Amount to be Readjusted into LSE's Future Verification Report so as to not be Discredited Twice.
Procurement Amount Requested to be Withdrawn from LSE's RPS Filing via Letter. Fossil Fuel RECs Not Eligible for CA RPS – Retired and Removed from Circulation in WREGIS.
Total Withdrawn Procurement
Procurement Eligible Toward the RPS[12]
1 This amount was reported to the Energy Commission by the retail seller in the WREGIS State/Provincial/voluntary Compliance Report and/or RPS-Track form.
2 Facilities must be certified as RPS-eligible with the California Energy Commission for procurement to be counted toward the RPS.
3 Procurement from each facility was compared to generation reported for that facility to either the United States Energy Information Administration or various reporting programs at the Energy Commission. For facilities with more than one data source available for the generation amount, the highest amount was selected. In cases where the RPS claims exceed generation by 5 percent or greater, unless the retail seller provides documentation to support the RPS procurement claim, such as an invoice, the procurement amount exceeding the generation amount is not counted as RPS-eligible. Energy Commission staff requires supporting documentation for claims exceeding generation by 5 percent or greater.

4 Procurement from distributed generation facilities was not eligible during 2008-2010. Page 4 of the *RPS Eligibility Guidebook*, Fourth Edition, states, "The Energy Commission will certify distributed generation as RPS-eligible only if and when the CPUC authorizes applying tradable RECs toward RPS obligation." The Fifth Edition of the *RPS Eligibility Guidebook,* which was adopted May 9, 2012, was updated to allow for distributed generation facilities to apply for RPS certification.
5 Energy without the RECs is not eligible for the RPS program. To be eligible, the generation must come from an RPS-certified facility and, in accordance with CPUC Decision 11-01-025, until reporting year 2010, RPS claims must have included both the REC and energy to count for the RPS. When there are competing claims for RECs, staff verifies that the retail seller has the right to claim the REC and does not own just the energy alone.
6 Page 19 of the *RPS Eligibility Guidebook, Fourth Edition,* states that "If the annual fossil fuel use at the facility does NOT exceed a *de minimus* amount, then 100 percent of the electricity production from the facility may count as RPS-eligible."
7 Page 42 of the *RPS Eligibility Guidebook, Fourth Edition*, states, "Procurement may count toward a retail seller's RPS obligation if the generating facility was RPS certified at the time of procurement or applied for RPS certification or precertification at the time of procurement. The electricity will not be considered eligible, however, and will not be counted toward meeting an RPS obligation until the facility is actually certified by the Energy Commission as being eligible for the RPS."
8 Page 71 of the *RPS Eligibility Guidebook, Fourth Edition,* states, "The Energy Commission will compare the total amount generated in the previous calendar year with the total amount delivered in the previous calendar year, and the lesser of the two may be accounted for as RPS-eligible," and "if the amount generated exceeds the annual amount that was delivered as demonstrated by the NERC e-Tag, the Energy Commission will assume some of the generation was delivered elsewhere and will count as RPS-eligible only the amount of procurement supported by the NERC e-Tag data."
9 Page 71 of the *RPS Eligibility Guidebook, Fourth Edition,* states, "The California RPS-certification number must be shown on the Miscellaneous filed of the NERC e-Tag." This requirement is to help ensure that the e-Tag data gets transferred into WREGIS and to identify e-Tags as being designated for a particular RPS claim requiring delivery verification. Claims that did not follow this requirement were initially considered pending; however staff recommended that these claims be considered eligible. This recommendation was approved with the adoption of this report at the November 14, 2013 Business Meeting.
10 Page 20 of the *RPS Eligibility Guidebook, Fourth Edition*, states that any production or acquisition of biomethane that is directly supplied to the gas transportation pipeline system and used to produce electricity may generate RPS-eligible electricity if various requirements have been met.
11 Retail Seller requested that this amount be removed from "Total RPS Procurement Claimed" because this amount cannot be withdrawn from the retail seller's WREGIS Compliance Report filing. In cases in which WREGIS reduces the amount of certificates available in a future year to correct an error, as appropriate, this amount will be added in as eligible RPS procurement in the year that WREGIS reduces certificates.
12 This is the total RPS procurement for each year that excludes ineligible RPS procurement claims.

Source: RPS staff description of the Summary of RPS Procurement table footnotes.

Verification Results for Investor-Owned Utilities

Pacific Gas and Electric Company

Table 5: PG&E Summary of RPS Procurement (kWh)

	2008	2009	2010
Total RPS Procurement Claimed[1]	9,808,584,095	11,486,389,000	12,336,777,606
Disallowances			
Procurement From Facilities Without RPS-Certification[2]	0	0	0
Procurement From Facilities in Which Procurement Claims Exceed Generation by 5 Percent or Greater[3]	0	0	
Procurement From Distributed Generation Facilities[4]	0	0	0
Procurement of Energy Only[5]	0	0	0
Procurement From Facilities That Exceeded Fossil Fuel Usage Limit[6]	0	0	0
Procurement Claimed Before the Facility's Beginning-On Date[7]	0	0	0
Procurement with Insufficient Energy Delivery[8]	0	0	0
Total Disallowances	0	0	0
Pending Allowances			
Procurement With Outstanding Issues Regarding Electricity Delivery Verification[9]	0	0	0
Total Pending Allowances	0	0	0
Withdrawn Procurement Claims[11]			
Procurement Amount Requested to be withdrawn due to erroneous certificate creation in WREGIS. Amount to be reduced in WREGIS in a future year and reapplied by PG&E for RPS credit when this WREGIS readjustment occurs	3,896,000	127,160	1,609,890
Procurement Amount Requested to be Withdrawn due to Fossil Fuel RECs Not Eligible for CA RPS – Retired and Removed from Circulation in WREGIS.	0	0	18,000
Procurement Amount Requested to be withdrawn due to insufficient supporting documentation for verification related to the delivery of biomethane.	14,000	1,912,000	0
Total Withdrawn Procurement	3,910,000	2,039,160	1,627,890
Procurement Eligible Toward the RPS[12]	**9,804,674,095**	**11,484,349,840**	**12,335,149,716**

Source: RPS staff analysis of PG&E's 2008-2010 CEC-RPS-Track Forms, WREGIS Compliance Reports and supporting documentation.

During the verification process for 2008-2010, PG&E revised its procurement amounts claimed in the RPS Track forms and WREGIS reports for different reasons, such as removing

procurement from its 2008, 2009, and 2010 CEC-RPS-Track forms that were found to be available in WREGIS, and resubmitting the WREGIS Reports to add the procurement that was removed from the CEC-RPS-Track forms. Staff found some procurement that PG&E retired and claimed in its WREGIS Reports to be ineligible, but since the WREGIS certificates had been retired more than 12 months prior to that determination, PG&E could not unretire and remove the RECs from its WREGIS Reports. As a result, PG&E requested that the ineligible procurement be withdrawn from its claim. These procurement amounts are shown in the Withdrawn Procurement Claims section of PG&E's Summary of RPS Procurement Table above.

Five of the claims in which a portion of the procurement was requested to be withdrawn involved RECs that, for various reasons, were erroneously created in WREGIS. To correct the errors, WREGIS will withhold creation of an equal number of RECs for each facility's 2011 or 2012 REC amounts. Energy Commission staff determined that PG&E could correct the error in a future year by requesting to apply the "withdrawn "claim amount in a future year to account for when WREGIS reduces the amount of RECs created for these particular facilities. This process allows the *RPS Verification Report* to reflect the eligible claim amounts by vintage year, regardless if the vintage date indicated on the certificate is not correct. Moreover, by allowing the withdrawn amount to be counted in a future *Verification Report*, this process prevents PG&E from being doubly discredited through the verification process when WREGIS withholds creation of an equivalent amount of RECs from the specific facilities to correct the error. WREGIS will make a prior period adjustment and the RECs determined ineligible in the table below, although with a vintage date showing 2008, 2009 and 2010, will actually represent the future generation for which there will be no RECs. The CPUC should consider the withdrawn RECs reported below to represent actual 2011 and 2012 generation, but for which there are no WREGIS certificates. The withdrawn claims in Table 6 below show the amounts to be reduced per facility by WREGIS in future years. These withdrawn claim amounts will be credited to PG&E in a future *Verification Report*.

Table 6: PG&E Withdrawn Claims to Be Added In Future Verification Reports (kWh)

Year	Facility Name	RPS ID	PG&E's Original Claim (kWh)	Amount Withdrawn (kWh)	Amount Eligible (kWh)	Amount Eligible for Future Verification Report (kWh)	Year that WREGIS Reduced Certificate Amounts
2008	Waste Management Renewable Energy	60096	46,511,218	3,896,000	42,615,218	3,896,000	2011
2009	Amedee Geothermal Venture I	60111	3,819,000	1,510	3,817,490	1,510	2012
2009	Wineagle Developers 1	60193	3,078,000	125,650	2,952,350	125,650	2012
2010	Amedee Geothermal Venture I	60111	1,070,050	336,280	733,770	336,280	2012
2010	Wineagle Developers 1	60193	4,052,000	1,273,610	2,778,390	1,273,610	2012

Source: RPS staff analysis of PG&E's 2008-2010 WREGIS Compliance Reports and PG&E documentation requesting these RPS amounts be withdrawn and applied to PG&E in a future verification report due to WREGIS prior period adjustments.

PG&E requested that a portion of the procurement amount be withdrawn from a facility originally certified as a multifuel facility but later corrected to be certified as a renewable-only facility. During the 2007 RPS Procurement Verification process, staff discovered that the facility was using more fossil fuel than what would have been allowable to count the facility's entire generation amount as renewable. The facility's certification status has been changed to allow only generation from renewable fuel to count as RPS-eligible. However, the change to the facility's multifuel status was not made in WREGIS until after 2010. During the multifuel analysis of the RPS procurement verification process, PG&E informed staff it had inadvertently claimed more RECs than were eligible. Since these RECs could not be unretired and removed from PG&E's WREGIS Compliance Report, PG&E requested that the Energy Commission report the procurement as withdrawn.

PG&E had claims from three facilities during 2008 – 2010 that used pipeline biomethane, as discussed in detail in Chapter 3: Verification Issues. Energy Commission staff determined that a portion of the amount claimed for all three years is disallowed because there was not sufficient documentation to verify the full claim amounts. PG&E agreed to withdraw the disallowed claim amount.

PG&E has pending procurement claims because the e-Tags associated with its out-of-state claims did not have the RPS ID number of the RPS-certified facility listed in the Miscellaneous field of the e-Tags, as required by the *RPS Eligibility Guidebooks, Third and Fourth Editions*. As discussed in Chapter 3: Verification Issues, PG&E submitted a list of the e-Tags to show energy delivery into California, along with the CEC-RPS-Delivery form and the signed attestation. The Energy Commission accepted the recommendation to count the pending claims as eligible and these amounts are included as part of the eligible RPS procurement claim amount.

San Diego Gas & Electric Company

Table 7 summarizes SDG&E's 2008 – 2010 procurement eligible to count for the RPS. In 2009, SDG&E inadvertently retired WREGIS RECs with generation (vintage) dates that were before the facilities' RPS eligibility beginning-on dates. When staff informed SDG&E that the procurement was ineligible, SDG&E requested to report the procurement as "withdrawn" in the *RPS Verification Report* because the RECs had been retired for more than 12 months and could not be unretired from SDG&E's WREGIS Report, as SDG&E would have been preferred.

Table 7: SDG&E Summary of RPS Procurement (kWh)

	2008	2009	2010
Total RPS Procurement Claimed[1]	1,047,427,926	2,098,398,000	2,229,190,000
Disallowances			
Procurement From Facilities Without RPS-Certification[2]	0	0	
Procurement From Facilities in Which Procurement Claims Exceed Generation by 5 Percent or Greater[3]	0	0	
Procurement From Distributed Generation Facilities[4]	0	0	0
Procurement of Energy Only[5]	0	0	0
Procurement From Facilities That Exceeded Fossil Fuel Usage Limit[6]	0	0	0
Procurement Claimed Before the Facility's Beginning-On Date[7]	0	0	0
Procurement with Insufficient Energy Delivery[8]	0	0	0
Total Disallowances	0	0	0
Pending Allowances			
Procurement With Outstanding Issues Regarding Electricity Delivery Verification[9]	0	0	0
Procurement With Outstanding Issues Regarding Biomethane Gas Delivery Verification[10]	0	0	0
Total Pending Allowances	0	0	0
Withdrawn Procurement Claims[11]			
Procurement Amount Requested to be Withdrawn from LSE's RPS Filing via Letter. Procurement Claimed Before the Facility's Beginning On Date[7]		101,000	0
Total Withdrawn Procurement	0	101,000	0
Procurement Eligible Toward the RPS[12]	**1,047,427,926**	**2,098,297,000**	**2,229,190,000**

Source: RPS staff analysis of SDG&Es 2008-2010 CEC-RPS-Track Forms, WREGIS Compliance Reports and supporting documentation.

Southern California Edison Company

Table 8 summarizes SCE's 2008 – 2010 procurement eligible to count toward the RPS.

Table 8: SCE Summary of RPS Procurement (kWh)

	2008	2009	2010
Total RPS Procurement Claimed[1]	12,486,567,655	13,581,066,384	14,604,252,010
Disallowances			
Procurement From Facilities Without RPS-Certification[2]	0	0	0
Procurement From Facilities in Which Procurement Claims Exceed Generation by 5 Percent or Greater[3]	0	0	0
Procurement From Distributed Generation Facilities [4]	0	0	0
Procurement of Energy Only[5]	0	0	0
Procurement From Facilities That Exceeded Fossil Fuel Usage Limit[6]	0	0	0
Procurement Claimed Before the Facility's Beginning-On Date[7]	0	0	0
Procurement with Insufficient Energy Delivery[8]	0	0	0
Total Disallowance	0	0	0
Pending Allowances			
Procurement With Outstanding Issues Regarding Electricity Delivery Verification[9]	0	0	0
Procurement With Outstanding Issues Regarding Biomethane Gas Delivery Verification[10]	0	0	0
Total Pending Allowances	0	0	0
Withdrawn Procurement Claims[11]			
Procurement Amount Requested to be Withdrawn from LSE's RPS Filing via Letter. Procurement Claimed Before the Facility's Beginning On Date [7]	66,606,000	71,095,000	116,112,000
Procurement Amount Requested to be Withdrawn from LSE's RPS Filing via Letter due to on-site load not eligible for the RPS – Retired and Removed from Circulation in WREGIS.	8,590	14,719	18,128
Procurement Amount Requested to be Withdrawn from LSE's RPS Filing via Letter due to capacity adjustments of the facilities – Retired and Removed from Circulation in WREGIS	9,734,569	44,101,000	44,092,000
Total Withdrawn Procurement	76,349,159	115,210,719	160,222,128
Procurement Eligible Toward the RPS[12]	**12,410,218,496**	**13,465,855,665**	**14,444,029,882**

Source: RPS staff analysis of SCE's 2008-2010 CEC-RPS-Track Forms, WREGIS Compliance Reports and supporting documentation.

During the 2008-2010 RPS procurement verification process, SCE revised its 2008 – 2010 CEC-RPS-Track and WREGIS Reports by removing claims staff deemed ineligible and by adding additional procurement originally not included. Some ineligible procurement could not be removed from SCE's 2008-2010 WREGIS Reports because the RECs had been retired for more than 12 months prior to the ineligible determination. SCE requested that this procurement be counted as withdrawn in the *Verification Report*. This includes the 2008 – 2010 procurement claims from the Geo East Mesa facility and 2009 – 2010 procurement claims from Royal Farms #2 from which SCE inadvertently retired WREGIS RECs with generation (vintage) dates that were before the facilities' RPS eligibility beginning-on dates. SCE also updated the RPS certifications of Ormesa Geothermal I and Ormesa Geothermal II to correct the nameplate capacities, and as a result, reduced the 2008 – 2010 procurement claims from these facilities. None of the withdrawn procurement involves corrections made in WREGIS, so the withdrawn procurement amounts listed in Table 8 above will not be added back into RPS procurement totals in future years.

One of SCE's 2008 – 2010 withdrawn procurement claims was from an RPS-certified facility, "Section 7 Trust"(RPS ID 60389), and revisions to the procurement claims from this facility were from 2001 and 2003 – 2007. SCE resubmitted its earlier years' CEC-RPS-Track forms to remove the ineligible procurement. This issue was discovered while conducting the 2008 overclaim analysis. SCE was asked to provide documentation to support an overclaim from Section 7 Trust, in which SCE's claim was 29 percent greater than the generation data provided by EIA for the facility. However, the documentation that SCE submitted showed that two RPS-certified facilities, Section 7 Trust and San Gorgonio Farms Wind Farm (RPS ID 60371), connect to the grid at the same point before a shared meter and serve each other's onsite load. Initially, these were two wind facilities that were located very close together but were not physically connected to each other. After Section 7 Trust was built, the decision was made to connect the two facilities together and make one facility. However, this decision has resulted in two RPS-certified facilities that connect to the grid at the same point before a shared meter, which enabled them to serve each other's onsite load.

SCE initially claimed the generation that went to onsite load was RPS-eligible because it offset electricity that otherwise would have been pulled from the grid. However, WREGIS rules require that to claim any such generation, it must be separately metered and verified. These two facilities have no such metering arrangement, so such generation cannot be counted, and SCE has agreed to not claim any generation that was used to serve onsite load. Staff determined that the only way to verify the eligible procurement amounts from both facilities was to treat them as one facility and require that the generation claimed from both facilities together cannot exceed what actually went to the grid. SCE agreed to follow this approach and revise its claims from Section 7 Trust to remove the generation used onsite from its claim. SCE was able to remove the ineligible 2008 procurement from the amounts claimed on the 2008 CEC-RPS-Track form; however, the 2009 and 2010 claims were both made through WREGIS. Since the time had passed in which SCE could request that the WREGIS RECs be unretired, SCE requested that the ineligible amounts be withdrawn in the *Verification Report*.

SCE also updated its Total RPS Procurement Claimed amounts for 2001 and 2003-2007 by submitting revised 2001 and 2003-2007 CEC-RPS-Track forms, which removed all its procurement claims determined to be ineligible in the 2006 and 2007 *Verification Reports,* including ineligible procurement from Section 7 Trust. Details of the procurement claims and SCE's updated 2001 and 2003 – 2007 Procurement Eligible for the RPS can be found in Tables 22 and 23.

Verification Results for Small and Multijurisdictional Utilities

PacifiCorp

Table 9 summarizes PacifiCorp's 2008 – 2010 procurement eligible to count toward the RPS.

Table 9: PacifiCorp Summary of RPS Procurement (kWh)

	2008	2009	2010
Total RPS Procurement Claimed[1]	66,025,707	91,314,755	123,999,873
Disallowances			
Procurement From Facilities Without RPS-Certification[2]	0	0	0
Procurement From Facilities in Which Procurement Claims Exceed Generation by 5 Percent or Greater[3]	0	0	0
Procurement From Distributed Generation Facilities[4]	0	0	0
Procurement of Energy Only[5]	0	0	0
Procurement From Facilities That Exceeded Fossil Fuel Usage Limit[6]	0	0	0
Procurement Claimed Before the Facility's Beginning-On Date[7]	0	0	0
Procurement with Insufficient Energy Delivery[8]	0	0	0
Total Disallowances	0	0	0
Pending Allowances			
Procurement With Outstanding Issues Regarding Electricity Delivery Verification[9]	0	0	0
Procurement With Outstanding Issues Regarding Biomethane Gas Delivery Verification[10]	0	0	0
Total Pending Allowances	0	0	0
Procurement Eligible Toward the RPS[12]	**66,025,707**	**91,314,755**	**123,999,873**

Source: RPS staff analysis of PacifiCorp's 2008-2010 CEC-RPS-Track Forms, WREGIS Compliance Reports and supporting documentation.

Sierra Pacific Power Company

Table 10 summarizes Sierra Pacific's 2008 – 2010 procurement eligible to count toward the RPS.

Table 10: Sierra Pacific Summary of RPS Procurement (kWh)

	2008	2009	2010
Total RPS Procurement Claimed[1]	85,685,393	117,346,000	99,499,000
Disallowances			
Procurement From Facilities Without RPS-Certification[2]	0	0	0
Procurement From Facilities in Which Procurement Claims Exceed Generation by 5 Percent or Greater[3]	0	0	0
Procurement From Distributed Generation Facilities[4]	0	0	0
Procurement of Energy Only[5]	0	0	0
Procurement From Facilities That Exceeded Fossil Fuel Usage Limit[6]	0	0	0
Procurement Claimed Before the Facility's Beginning-On Date[7]	0	0	0
Procurement with Insufficient Energy Delivery[8]	0	0	0
Total Disallowances	0	0	0
Pending Allowances			
Procurement With Outstanding Issues Regarding Electricity Delivery Verification[9]	0	0	0
Procurement With Outstanding Issues Regarding Biomethane Gas Delivery Verification[10]	0	0	0
Total Pending Allowances	0	0	0
Procurement Eligible Toward the RPS[12]	**85,685,393**	**117,346,000**	**99,499,000**

Source: RPS staff analysis of Sierra Pacific's 2008-2010 CEC-RPS-Track Forms, WREGIS Compliance Reports and supporting documentation.

Verification Results for Electric Service Providers and Community Choice Aggregation

APS Energy Services

Table 11 summarizes ASPES 2008 procurement eligible to count toward the RPS. APSES exited the California electric retail market on June 30, 2008. In addition, APSES was sold to another company in August 2011 and is now doing business as Ameresco Southwest.

Table 11: APSES Summary of RPS Procurement (kWh) for 2008

	2008
Total RPS Procurement Claimed[1]	4,121,000
Disallowances	
Procurement From Facilities Without RPS-Certification[2]	0
Procurement From Facilities in Which Procurement Claims Exceed Generation by 5 Percent or Greater[3]	0
Procurement From Distributed Generation Facilities[4]	0
Procurement of Energy Only[5]	0
Procurement From Facilities That Exceeded Fossil Fuel Usage Limit[6]	0
Procurement Claimed Before the Facility's Beginning-On Date[7]	0
Procurement with Insufficient Energy Delivery[8]	0
Total Disallowances	0
Pending Allowances	
Procurement With Outstanding Issues Regarding Electricity Delivery Verification[9]	0
Procurement With Outstanding Issues Regarding Biomethane Gas Delivery Verification[10]	0
Total Pending Allowances	0
Procurement Eligible Toward the RPS[12]	**4,121,000**

Source: RPS staff analysis of APS's 2008-2010 CEC-RPS-Track Forms and supporting documentation.

3Phases Energy Services

Table 12 summarizes 3Phases' 2008 and 2009 procurement eligible to count toward the RPS.

Table 12: 3Phases Summary of RPS Procurement (kWh)

	2008	2009
Total RPS Procurement Claimed[1]	38,196,600	10,100,000
Disallowances		
Procurement From Facilities Without RPS-Certification[2]	0	0
Procurement From Facilities in Which Procurement Claims Exceed Generation by 5 Percent or Greater[3]	0	0
Procurement From Distributed Generation Facilities[4]	0	0
Procurement of Energy Only[5]	0	0
Procurement From Facilities That Exceeded Fossil Fuel Usage Limit[6]	0	0
Procurement Claimed Before the Facility's Beginning-On Date[7]	0	0
Procurement with Insufficient Energy Delivery[8]	0	0
Total Disallowances	0	0
Pending Allowances		
Procurement With Outstanding Issues Regarding Electricity Delivery Verification[9]	0	0
Procurement With Outstanding Issues Regarding Biomethane Gas Delivery Verification[10]	0	0
Total Pending Allowances	0	0
Procurement Eligible Toward the RPS[12]	**38,196,600**	**10,100,000**

Source: RPS staff analysis of 3Phases' 2008-2009 CEC-RPS-Track Forms, WREGIS Compliance Reports and supporting documentation.

3Phases did not submit RPS procurement claims for 2010. 3Phases has pending procurement claims because the e-Tags associated with its out-of-state claims did not have the RPS ID number of the RPS-certified facility listed in the miscellaneous field of the e-Tags, as required by the *RPS Eligibility Guidebooks, Third and Fourth Editions*. The e-Tags did have the RPS ID number listed in the comment section of the e-Tag, which was the requirement in the *RPS Eligibility Guidebook, Second Edition*.

As discussed in Chapter 3, 3Phases submitted a list of the e-Tags to show energy delivery into California, along with the CEC-RPS-Delivery form and signed attestation. The Energy Commission accepted the recommendation to accept the pending claims as eligible and these amounts are included as part of the eligible RPS procurement claim amount.

Calpine PowerAmerica-CA, LLC,

Table 13 summarizes Calpine's 2009 and 2010 procurement eligible to count toward the RPS. Calpine did not report RPS procurement claims for 2008.

Table 13: Calpine Summary of RPS Procurement (kWh)

	2009	**2010**
Total RPS Procurement Claimed[1]	79,999,000	118,180,000
Disallowances		
Procurement From Facilities Without RPS-Certification[2]	0	0
Procurement From Facilities in Which Procurement Claims Exceed Generation by 5 Percent or Greater[3]	0	0
Procurement From Distributed Generation Facilities[4]	0	0
Procurement of Energy Only[5]	0	0
Procurement From Facilities That Exceeded Fossil Fuel Usage Limit[6]	0	0
Procurement Claimed Before the Facility's Beginning-On Date[7]	0	0
Procurement with Insufficient Energy Delivery[8]	0	0
Total Disallowances	0	0
Pending Allowances		
Procurement With Outstanding Issues Regarding Electricity Delivery Verification[9]	0	0
Procurement With Outstanding Issues Regarding Biomethane Gas Delivery Verification[10]	0	0
Total Pending Allowances	0	0
Procurement Eligible Toward the RPS[12]	**79,999,000**	**118,180,000**

Source: RPS staff analysis of Calpine's 2009-2010 CEC-RPS-Track Forms, WREGIS Compliance Reports and supporting documentation.

Constellation New Energy, Inc.

CNE's 2008 – 2010 procurement eligible to count for the RPS is shown in Table 14 CNE has pending procurement claims because the e-Tags associated with its out-of-state claims did not have the RPS ID number of the RPS-certified facility listed in the Miscellaneous field of the e-Tags, as required by the *RPS Eligibility Guidebooks, Third and Fourth Editions*. In two cases, the e-Tags provided did have the RPS ID number listed in the comment section of the e-Tag, which was the requirement in the Second Edition of the *RPS Eligibility Guidebook*.

As discussed in Chapter 3: Verification Issues, CNE agreed to submit a list of the e-Tags to show energy delivery into California, along with the CEC-RPS-Delivery form and the signed attestation. Energy Commission staff received this information from CNE. The Energy Commission accepted the recommendation to accept the pending claims as eligible and these amounts are included as part of the eligible RPS procurement claim amount.

As part of the energy delivery verification process, Energy Commission staff determined that only 68,665 MWh of CNE's 2008 procurement claim from White Creek Wind is RPS-eligible. According to CNE's Confirmation Agreement, executed on June 22, 2009, CNE contracted for 30,381 MWh in 2008, and received a portion of this amount, 20,290 MWh, in 2008. The amount purchased consisted of 20,290 MWh of RECs from an RPS-certified facility matched with 30,381 MWh of electricity scheduled into California. The difference in these quantities,10,091 MWh represents the difference between imported energy and the resource production during 2008. The June 22, 2009, Confirmation Agreement indicates that this difference of 10,091 MWh of energy was "not associated with Green Attributes and, therefore, does not constitute Renewable Energy." According to CNE, the June 22, 2009 Confirmation Agreement was intended to amend an earlier 2008 confirmation agreement between CNE and its counterparty to cover the 10,091 MWh of bundled product delivery shortfall with firmed and shaped production held by the counterparty.

Based on its review of the June 22, 2009 Confirmation Agreement, Energy Commission staff determined that the 10,091 MWh of RECs purchased by CNE under this confirmation agreement is effectively a separate, unbundled REC transaction. This 2009 unbundled REC transaction is not eligible to be matched with energy purchased and delivered into California in 2008. CNE's Confirmation Agreement for RECs in June 2009 is not consistent with the *RPS Eligibility Guidebook, Third Edition*, which permits firming and shaping but only within the same calendar year. Although CNE disagrees with staff's assessment of the June 22, 2009 Confirmation Agreement, it nevertheless has requested that Energy Commission staff withdraw the ineligible amount associated with this claim.

For some of CNE's claims requiring energy delivery, the delivery amount associated with the e-Tags did not match the total amount of the REC claims due to missing references to the RPS resource. Consequently, only the portion of the procurement claim supported by the e-Tag MWh amounts is RPS eligible. The difference between the RPS procurement claim and the total MWh amount reported in the list of e-Tags was determined ineligible for each claim in which the total MWh amount in the list of e-Tags did not equal or exceed the procurement claim

amount, consistent with the *PRS Eligibility Guidebook, Third Edition.*[59,60] CNE requested that these ineligible amounts be withdrawn.

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59 *PRS Eligibility Guidebook, Third Edition* see http://www.energy.ca.gov/2007publications/CEC-300-2007-006/CEC-300-2007-006-ED3-CMF.PDF Pages 24. "The Energy Commission will compare the amount of RPS-eligible electricity generated by the RPS-eligible facility per calendar year with the amount of electricity delivered into California for the same calendar year and the lesser of the two amounts may be counted as RPS-eligible procurement."

60 See: *PRS Eligibility Guidebook, Third Edition* see http://www.energy.ca.gov/2007publications/CEC-300-2007-006/CEC-300-2007-006-ED3-CMF.PDF p. 26. "Additionally, the applicable parties (the Generation Providing Entity and Load Service Entities) must agree to make available upon request documentation of the NERC E-Tags to the Energy Commission."

Table 14: CNE Summary of RPS Procurement (kWh)

	2008	2009	2010
Total RPS Procurement Claimed[1]	190,203,000	1,091,304,000	531,193,000
Disallowances			
Procurement From Facilities Without RPS-Certification[2]	0	0	0
Procurement From Facilities in Which Procurement Claims Exceed Generation by 5 Percent or Greater[3]	0	0	0
Procurement From Distributed Generation Facilities[4]	0	0	0
Procurement of Energy Only[5]		0	0
Procurement From Facilities That Exceeded Fossil Fuel Usage Limit[6]	0	0	0
Procurement Claimed Before the Facility's Beginning-On Date[7]	0	0	0
Procurement with Insufficient Energy Delivery[8]	0	0	0
Total Disallowances	0	0	0
Withdrawn Procurement Claims[11]			
Procurement amount requested to be withdrawn from LSE's RPS filing via letter due to Energy Commission determination of procurement of energy only[5]	10,091,000	0	0
Procurement amount requested to be withdrawn from LSE's RPS filing via letter due to Energy Commission determination of procurement with insufficient energy delivery[8]	0	21,660,000	0
Total Withdrawn Procurement Claims	10,091,000	21,660,000	0
Pending Allowances			
Procurement With Outstanding Issues Regarding Electricity Delivery Verification[9]	0	0	0
Procurement With Outstanding Issues Regarding Biomethane Gas Delivery Verification[10]	0	0	0
Total Pending Allowances	0	0	0
Procurement Eligible Toward the RPS[12]	**180,112,000**	**1,069,644,000**	**531,193,000**

Source: CNE's 2008-2010 CEC-RPS Track, WREGIS Compliance Reports, and supporting documentation.

Commerce Energy, Inc.

Table 15 summarizes Commerce's 2008 – 2010 procurement eligible to count toward the RPS.

Table 15: Commerce Summary of RPS Procurement (kWh)

	2008	2009	2010
Total RPS Procurement Claimed[1]	9,373,000	38,986,000	74,200,000
Disallowances			
Procurement From Facilities Without RPS-Certification[2]	0	0	0
Procurement From Facilities in Which Procurement Claims Exceed Generation by 5 Percent or Greater[3]	0	0	0
Procurement From Distributed Generation Facilities[4]	0	0	0
Procurement of Energy Only[5]	0	0	0
Procurement From Facilities That Exceeded Fossil Fuel Usage Limit[6]	0	0	0
Procurement Claimed Before the Facility's Beginning-On Date[7]	0	0	0
Procurement with Insufficient Energy Delivery[8]	0	0	0
Total Disallowances	0	0	0
Pending Allowances			
Procurement With Outstanding Issues Regarding Electricity Delivery Verification[9]	0	0	0
Procurement With Outstanding Issues Regarding Biomethane Gas Delivery Verification[10]	0	0	0
Total Pending Allowances	0	0	0
Procurement Eligible Toward the RPS[12]	**9,373,000**	**38,986,000**	**74,200,000**

Source: Commerce's 2008-2010 CEC-RPS Track, WREGIS Compliance Reports, and supporting documentation.

Direct Energy Business, LLC

Table 16 summarizes Direct Energy's 2008 – 2010 procurement eligible to count toward the RPS. Direct Energy has a 2008 pending procurement claim because the e-Tags used in the energy delivery of the claim did not have the RPS ID number of the RPS-certified facility listed in the Miscellaneous field of the e-Tags, as required by the *RPS Eligibility Guidebooks, Third and Fourth Editions*. The e-Tags did have the RPS ID number listed in the comment section of the e-Tag, which was the requirement in the Second Edition of the *RPS Eligibility Guidebook.*

Table 16: Direct Energy Business, LLC, Summary of RPS Procurement (kWh)

	2008	**2009**	**2010**
Total RPS Procurement Claimed[1]	84,877,000	444,587,000	293,219,000
Disallowances			
Procurement From Facilities Without RPS-Certification[2]	0	0	0
Procurement From Facilities in Which Procurement Claims Exceed Generation by 5 Percent or Greater[3]	0	0	0
Procurement From Distributed Generation Facilities[4]	0	0	0
Procurement of Energy Only[5]	0	0	0
Procurement From Facilities That Exceeded Fossil Fuel Usage Limit[6]	0	0	0
Procurement Claimed Before the Facility's Beginning-On Date[7]	0	0	0
Procurement with Insufficient Energy Delivery[8]	0	0	0
Total Disallowances	0	0	0
Pending Allowances			
Procurement With Outstanding Issues Regarding Electricity Delivery Verification[9]	0	0	0
Procurement With Outstanding Issues Regarding Biomethane Gas Delivery Verification[10]	0	0	0
Total Pending Allowances	0	0	0
Procurement Eligible Toward the RPS[12]	**84,877,000**	**444,587,000**	**293,219,000**

Source: RPS staff analysis of Direct Energy 2008-2010 CEC-RPS-Track Forms, WREGIS Compliance Reports and supporting documentation.

As discussed in Chapter 3, Direct Energy submitted a list of the e-Tags to show energy delivery into California, along with the CEC-RPS-Delivery form and signed attestation. The Energy Commission accepted the recommendation to accept the pending claims as eligible and these amounts are included it as part of the eligible RPS procurement claim amount.

Marin Energy Authority (Community Choice Aggregation)

Table 17 summarizes MEA's 2010 procurement eligible to count toward the RPS.

Table 17: MEA Summary of RPS Procurement (kWh)

	2010
Total RPS Procurement Claimed[1]	24,182,000
Disallowances	
Procurement From Facilities Without RPS-Certification[2]	0
Procurement From Facilities in Which Procurement Claims Exceed Generation by 5 Percent or Greater[3]	0
Procurement From Distributed Generation Facilities[4]	0
Procurement of Energy Only[5]	0
Procurement From Facilities That Exceeded Fossil Fuel Usage Limit[6]	0
Procurement Claimed Before the Facility's Beginning-On Date[7]	0
Procurement with Insufficient Energy Delivery[8]	0
Total Disallowances	0
Pending Allowances	
Procurement With Outstanding Issues Regarding Electricity Delivery Verification[9]	0
Procurement With Outstanding Issues Regarding Biomethane Gas Delivery Verification[10]	0
Total Pending Allowances	0
Procurement Eligible Toward the RPS[12]	**24,182,000**

Source: MEA's 2010 WREGIS Compliance Reports, and supporting documentation.

Noble Americas Energy Solutions, LLC

Table 18 summarizes Noble's 2008 – 2010 procurement eligible to count toward the RPS.

Table 18: Noble's Summary of RPS Procurement (kWh)

	2008	2009	2010
Total RPS Procurement Claimed[1]	98,165,000	307,132,000	923,102,000
Disallowances			
Procurement From Facilities Without RPS-Certification[2]	0	0	0
Procurement From Facilities in Which Procurement Claims Exceed Generation by 5 Percent or Greater[3]	0	0	0
Procurement From Distributed Generation Facilities[4]	0	0	0
Procurement of Energy Only[5]	0	0	0
Procurement From Facilities That Exceeded Fossil Fuel Usage Limit[6]	0	0	0
Procurement Claimed Before the Facility's Beginning-On Date[7]	0	0	0
Procurement with Insufficient Energy Delivery[8]	0	0	0
Total Disallowances	0	0	0
Pending Allowances			
Procurement With Outstanding Issues Regarding Electricity Delivery Verification[9]	0	0	0
Procurement With Outstanding Issues Regarding Biomethane Gas Delivery Verification[10]	0	0	0
Total Pending Allowances	0	0	0
Procurement Eligible Toward the RPS[12]	**98,165,000**	**307,132,000**	**923,102,000**

Source: Noble's 2008-2010 CEC-RPS Track, WREGIS Compliance Reports, and supporting documentation.

Noble had a 2010 procurement claim from Pastoria Energy Facility (Pastoria), a facility that uses biomethane. Energy Commission staff reported the Pastoria claim as a pending claim at the 2008 – 2010 RPS Procurement Verification Workshop, in which Energy Commission staff presented the initial verification findings and discussed outstanding issues. However, after thorough review of documentation detailing the pipeline path and biomethane delivery amounts, staff determined Noble's 2010 procurement claim from Pastoria to be RPS-eligible, and it is no longer listed as pending.

Noble also updated its Total RPS Procurement Claimed amounts for 2007 to add procurement not reported during the 2007 RPS procurement verification process. Noble submitted a revised 2007 CEC-RPS-Track form with the additional procurement claim, as well as a copy of the contract for the procurement to confirm that the contract date and generation term of the procurement were in 2007, thus making the procurement eligible to be claimed for 2007. Details

of the procurement claim and Noble's updated 2007 Procurement Eligible for the RPS can be found in Table 18 and Table 24 in the section Revisions to Previous Years' Procurement Claims.

Pilot Power Group, Inc

Table 19 summarizes Pilot Power's 2008 – 2010 procurement eligible to count toward the RPS.

Table 19: Pilot Summary of RPS Procurement (kWh)

	2008	2009	2010
Total RPS Procurement Claimed[1]	47,642,900	90,546,000	137,128,000
Disallowances			
Procurement From Facilities Without RPS-Certification[2]	0	0	0
Procurement From Facilities in Which Procurement Claims Exceed Generation by 5	0	0	0
Procurement From Distributed Generation Facilities[4]	0	0	0
Procurement of Energy Only[5]	0	0	0
Procurement From Facilities That Exceeded Fossil Fuel Usage Limit[6]	0	0	0
Procurement Claimed Before the Facility's Beginning-On Date[7]	0	0	0
Procurement with Insufficient Energy Delivery[8]	0	0	0
Total Disallowances	0	0	0
Pending Allowances			
Procurement With Outstanding Issues Regarding Electricity Delivery Verification[9]	0	0	0
Procurement With Outstanding Issues Regarding Biomethane Gas Delivery Verification[10]	0	0	0
Total Pending Allowances	0	0	0
Withdrawn Procurement Claims[11]			
Procurement Amount Requested to be Withdrawn from LSE's RPS Filing via Letter. Hopkins Ridge Wind Project, RPS ID 60745 Procurement Claimed Before the Contract Execution Date – to Be Credited to Pilot in a future Verification Report	0	43,000,000	0
Total Withdrawn Procurement	0	43,000,000	0
Procurement Eligible Toward the RPS[12]	**47,642,900**	**47,546,000**	**137,128,000**

Source: Pilot Power's 2008-2010 CEC-RPS Track, WREGIS Compliance Reports, and supporting documentation.

Pilot had a 2009 procurement claim from the out-of-state facility Hopkins Ridge Wind Project, RPS ID 60745. In verifying that the energy delivery requirements met the Third Edition of the *RPS Eligibility Guidebook*, staff discovered that the contract execution date of this procurement

claim occurred in 2011. Energy Commission staff determined that this claim was ineligible for RPS procurement in 2009. Pilot Power requested that the procurement be counted as "withdrawn" instead of "disallowed" because the claim was made through WREGIS and the certificates could not be unretired. Although the claim is not eligible for 2009, it may be eligible to be claimed for reporting year 2011 or later (within the CPUC's 36 month retirement requirement). Upon request from Pilot, Energy Commission staff will add the withdrawn amount into a future *RPS Verification Report*.

Pilot also had a 2010 procurement claim from Pastoria Energy Facility, a facility that uses biomethane as discussed in detail in Chapter 3: Verification Issues, Verification Requirements for Biomethane Claims. Pilot's claim from Pastoria was initially reported as a pending claim in the 2008 – 2010 RPS Procurement Verification Workshop. After thorough review of documentation detailing the pipeline path and biomethane delivery amounts, staff determined Pilot's 2010 procurement claim from Pastoria Energy Facility to be RPS-eligible, so it is no longer listed as pending.

Praxair Plainfield Inc.

Table 20 summarizes Praxair's 2008 procurement eligible to count toward the RPS.

Table 20: Praxair Summary of RPS Procurement (kWh)

	2008
Total RPS Procurement Claimed[1]	3,700,000
Disallowances	
Procurement From Facilities Without RPS-Certification[2]	0
Procurement From Facilities in Which Procurement Claims Exceed Generation by 5 Percent or Greater[3]	0
Procurement From Distributed Generation Facilities[4]	0
Procurement of Energy Only[5]	0
Procurement From Facilities That Exceeded Fossil Fuel Usage Limit[6]	0
Procurement Claimed Before the Facility's Beginning-On Date[7]	0
Procurement with Insufficient Energy Delivery[8]	0
Total Disallowances	0
Pending Allowances	
Procurement With Outstanding Issues Regarding Electricity Delivery Verification[9]	0
Procurement With Outstanding Issues Regarding Biomethane Gas Delivery Verification[10]	0
Total Pending Allowances	0
Procurement Eligible Toward the RPS[12]	**3,700,000**

Source: Praxair's 2008 WREGIS Compliance Reports, and supporting documentation.

Shell Energy North America L.P

Table 21 summarizes Shell's 2008 – 2010 procurement eligible to count toward the RPS.

Table 21: Shell Energy Summary of RPS Procurement (kWh)

	2008	2009	2010
Total RPS Procurement Claimed[1]	9,251,000	19,077,000	550,705,000
Disallowances			
Procurement From Facilities Without RPS-Certification[2]	0	0	0
Procurement From Facilities in Which Procurement Claims Exceed Generation by 5 Percent or Greater[3]	0	0	0
Procurement From Distributed Generation Facilities[4]	0	0	0
Procurement of Energy Only[5]	0	0	0
Procurement From Facilities That Exceeded Fossil Fuel Usage Limit[6]	0	0	0
Procurement Claimed Before the Facility's Beginning-On Date[7]	0	0	0
Procurement with Insufficient Energy Delivery[8]	0	0	0
Total Disallowances	0	0	0
Pending Allowances			
Procurement With Outstanding Issues Regarding Electricity Delivery Verification[9]	0	0	0
Procurement With Outstanding Issues Regarding Biomethane Gas Delivery Verification[10]	0	0	0
Total Pending Allowances	0	0	0
Procurement Eligible Toward the RPS[12]	**9,251,000**	**19,077,000**	**550,705,000**

Source: Shell's 2008-2010 CEC-RPS Track, WREGIS Compliance Reports, and supporting documentation.

Shell's 2010 procurement eligible toward the RPS contains a significant amount of 2008 and 2009 procurement for energy with a generation (vintage) date of 2008 and 2009. These claims can be found in Shell's 2010 RPS-Appendix table in Appendix A of this report. In all, Shell's 2010 procurement claims contain three claims for 2008 vintage generation and four claims for 2009 vintage generation. Shell's procurement was not because of adjustments and corrections in WREGIS; Shell decided to apply the different vintage claim amounts in this manner.

Although the 2008-2010 RPS requirements do not prohibit Shell from claiming generation for a year different than the vintage, it did complicate the verification process as discussed in Chapter 3: Verification Issues, Verification of Procurement Date Relative to the Vintage of the Renewable Energy Credits. In verifying these claims, Shell submitted copies of the contract for each claim, so that staff was able to verify the contract execution date and that the amounts had not been claimed for a year earlier than they were procured.

Shell has procurement claims in 2008, 2009, and 2010 that are pending because the e-Tags used in the energy delivery did not have the RPS ID number of the RPS-certified facility listed in the Miscellaneous field of the e-Tags, as required by the *RPS Eligibility Guidebooks, Third and Fourth Editions*.

As discussed in Chapter 3: Verification Issues, Shell submitted a list of the e-Tags to show energy delivery into California, along with the CEC-RPS-Delivery form and the signed attestation. The Energy Commission accepted the recommendation to accept the pending claims as eligible and these amounts are included it as part of the eligible RPS procurement claim amount.

Revisions to Previous Years' Procurement Claims

During the verification process, two retail sellers, SCE and Noble, contacted Energy Commission staff to request that updates be made to their earlier year procurement claims amounts. Both SCE and Noble revised their previous years' RPS-Track forms to make the requested updates. Because these changes affect procurement claims from previously reported years, staff is including tables showing the changes to the data for previous years. Furthermore, SCE and Noble should adjust these values in their closing reports filed with the CPUC pursuant to D.12-06-038 to account for these changes.

Southern California Edison Company

As mentioned above, SCE removed ineligible procurement from its Section 7 Trust (RPS ID 60389) claims that was found to be onsite generation, which did not meet the WERGIS and Energy Commission eligibility requirements. This issue also affected SCE's 2001 and 2003 – 2007 Section 7 Trust claims, and as a result, SCE revised its 2001 and 2003 – 2007 CEC-RPS-Track forms to remove the ineligible generation.

Moreover, SCE informed staff that since it is updating its 2001 and 2003 – 2007 CEC-RPS-Track forms to remove the ineligible Section 7 Trust generation, it will also remove the procurement claims that were counted as ineligible in the 2006 and 2007 *Verification Reports*. These claims include the 2003 – 2007 ineligible procurement from the Mountain View I and II facilities, the 2007 ineligible procurement from Colmac Energy Mecca, and the 2007 ineligible procurement from Geo East Mesa (GEM). SCE also updated the certifications of Ormesa Geothermal I and Ormesa Geothermal II to correct the nameplate capacities of each, and as a result, SCE also updated the 2007 procurement claims from these facilities to reflect the name plate capacity corrections. In the tables below, Table 22 lists SCE's updated procurement claims by year for each of these facilities, and Table 23 lists SCE's initial and updated RPS Procurement amounts as eligible to count toward SCE's APT. SCE should adjust the values in its closing report filed with the CPUC to account for these changes.

Table 22: Southern California Edison's Updated RPS Procurement Claims by Year (kWh)

Facility Name	RPS ID number	Fuel Type	2001	2003	2004	2005	2006	2007
Section 7 Trust	60398	Wind	81,282,701	61,632,866	57,086,529	61,664,796	59,274,021	60,337,845
Mountain View I	60284	Wind	N/A	0	0	0	0	0
Mountain View II	60285	Wind	N/A	N/A	0	0	0	0
Colmac Energy Mecca Plant	60286	Biomass	N/A	N/A	N/A	N/A	N/A	316,323,580
Ormesa Geothermal I	60311	Geothermal	N/A	N/A	N/A	N/A	N/A	222,448,467
Ormesa Geothermal II	60312	Geothermal	N/A	N/A	N/A	N/A	N/A	85,730,358
GEM			N/A	N/A	N/A	N/A	N/A	0

Source: RPS staff analysis of SCE's 2001 and 2003-2007 CEC-RPS-Track Forms. N/A is used for years in which SCE did not claim procurement from the facility or when there was no change to the procurement claim amount.

Table 23: Southern California Edison's Updated 2001 and 2003-2007 RPS-Eligible Procurement

	2001	2003	2004	2005	2006	2007
Total RPS Procurement Claimed as Reported in 2006 and 2007 RPS Procurement Verification Reports	11,129,330,344	12,615,019,955	13,375,487,396	13,041,778,881	12,707,592,146	12,466,867,294
Procurement Eligible Toward the APT as Reported in 2006 and 2007 RPS Procurement Verification Reports	11,129,330,344	12,421,140,554	13,182,062,223	12,822,188,624	12,485,998,397	12,170,251,873
Updated Total RPS Procurement Claimed	11,129,295,651	12,421,136,541	13,182,058,213	12,821,920,025	12,485,993,807	12,065,685,548
Updated Procurement Eligible Toward the RPS	11,129,295,651	12,421,136,541	13,182,058,213	12,821,920,025	12,485,993,807	12,065,685,548

Source: RPS staff analysis of SCE's 2001 and 2003-2007 CEC-RPS-Track Forms.

Noble Americas Energy Solutions, LLC

While submitting supporting documentation during the 2008 – 2010 RPS verification process, Noble informed staff that it recently became aware of 2007 procurement from Calpine Geothermal Units 5 & 6 that it did not report on its 2007 RPS Track form and requested that staff accept the additional 2007 RPS procurement claim. To support the claim, Noble submitted a copy of the purchase contract. Staff reviewed the contract and included the procurement amount in with other 2007 procurement claims from Calpine Geothermal Units 5 & 6 to compare with the facility's generation data and determined that the additional procurement did not cause an overclaim. After reviewing the documentation, staff determined that the procurement claim is eligible for the RPS. Noble submitted a revised 2007 CEC-RPS-Track form with the claim added in. Table 24 lists Noble's initial 2007 RPS procurement amount claimed, the additional procurement claim, Noble's updated 2007 RPS procurement amount claimed, and updated procurement eligible toward the APT. Noble should adjust the values in its closing report filed with the CPUC pursuant to D. 12-06-038 to account for this change.

Table 24: Noble Americas Energy Solutions, LLC's Updated 2007 RPS-Eligible Procurement

	2007
Total RPS Procurement Claimed as reported in 2006 and 2007 *RPS Procurement Verification Reports*	180,084,068
Calpine Geothermal Unit 5/6 (RPS ID 60002) procurement claim	18,600,000
Updated Total RPS Procurement Claimed	198,684,068
Updated Procurement Eligible Toward the RPS	198,684,068

Source: RPS staff analysis of Noble's 2007 CEC-RPS-Track Forms, and supplemental documentation.

CHAPTER 5: Verification Analysis

Energy Commission staff verifies the accuracy of RPS procurement claims with generation data reported to various programs within the Energy Commission and/or to the U.S. Energy Information Administration (EIA). This chapter analyzes the RPS procurement claim data to demonstrate RPS-eligible procurement by resource type, including a chart specific to the use of various RPS-eligible biofuels. The subsections also include information on the amount of 2008-2010 RPS claims from new and repowered RPS-certified facilities and the dramatic reduction in ITS reporting from 2008-2010.

RPS-Eligible Procurement by Resource Type

Increasing the diversity of California's energy mix is an important goal of the RPS program.[61] For those interested in which resources are being used to meet the RPS, Table 25 below presents the amounts of renewable by year for each resource.[62]

A list of RPS-eligible resource types can be found on page 14 in the *RPS Eligibility Guidebook, Fourth Edition*. The majority of these resources are listed in Table 25 below. Other RPS-eligible resources not listed in Table 25 include biodiesel, Municipal Solid Waste conversion, ocean wave, ocean thermal, and tidal current. There were no procurement claims using these resource types during 2008-2010. Table 25 lists 2008-2010 resource types as procured by the retail sellers. The ESP and CCA amounts have been aggregated for ease of viewing.

Staff's data analysis demonstrates a diverse renewable resource mix used to satisfy retail sellers' RPS requirements over the years. Proportionally, the total amounts by fuel type have remained fairly consistent, with geothermal remaining the largest renewable fuel type used in each year. Wind went from making up 20 percent of the renewable fuel mix in 2008 to 34 percent of the renewable fuel mix by 2010.

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61 Public Utilities Code section 399.11.

62 For 2001 and 2003-2004 see the *2006 RPS Procurement Verification Repor*t. For years 2005-2007 see the *2007 RPS Procurement Verification Report*.

Table 25: 2008-2010 RPS-Eligible Procurement by Resource Type (MWh[63])

	PG&E	SCE	SDG&E	PacifiCorp	Sierra Pacific	ESPs and CCA[64]	Total[65]
Biomass	2,830,676	364,741	318,941	2,426	6,543	33,818	3,557,146
Biomethane	739	0	0	0	0	0	739
Conduit Hydro	60,782	115,624	30,883	7,957	3,625	17,824	236,695
Digester Gas	4,518	1,366	12,917	0	0	0	18,800
Geothermal	3,337,612	7,674,125	0	4,461	71,650	136,227	11,224,075
Landfill Gas	141,227	539,942	195,318	0	0	67,923	944,410
MSW, Combustion	119,449	0	0	0	0	0	119,449
Photovoltaic	445	438	0	0	0	0	883
Small Hydroelectric	1,882,835	411,759	0	31,025	0	60,253	2,385,871
Solar Thermal	0	730,258	0	0	3,867	0	734,125
Wind	1,421,555	2,545,243	489,368	20,157	0	159,394	4,635,717
2008 Total	**9,799,837**	**12,383,496**	**1,047,428**	**66,026**	**85,685**	**475,439**	**23,857,910**
Biomass	3,128,907	408,584	341,361	2,843	0	13,835	3,895,530
Biomethane	50,344	0	0	0	0	0	50,344
Conduit Hydro	33,000	80,105	24,439	7,064	0	21,677	166,285
Digester Gas	3,774	1,390	13,516	0	0	0	18,680
Geothermal	3,410,602	7,625,051	0	4,850	117,346	431,479	11,589,328
Landfill Gas	135,720	492,553	191,505	0	0	65,189	884,967
MSW, Combustion	132,644	0	0	0	0	0	132,644
Photovoltaic	22,201	5,412	809	0	0	0	28,422
Small Hydroelectric	2,011,469	484,673	0	34,698	0	225,701	2,756,541
Solar Thermal	0	839,799	0	0	0	0	839,799
Wind	2,555,689	3,528,288	1,526,667	41,860	0	1,287,764	8,940,268
2009 Total	**11,484,350**	**13,465,856**	**2,098,297**	**91,315**	**117,346**	**2,045,645**	**29,302,808**
Biomass	2,996,126	437,158	339,899	3,154	0	42,923	3,819,260
Biomethane	31,605	0	0	0	0	21,462	53,067
Conduit Hydro	34,678	94,980	22,367	5,898	0	22,986	180,909
Digester Gas	4,264	1,470	21,986	0	0	0	27,720
Geothermal	3,764,967	7,587,817	183,000	4,639	99,499	197,481	11,837,403
Landfill Gas	131,749	513,999	188,081	0	0	121,101	954,930
MSW, Combustion	123,090	0	0	0	0	0	123,090
Photovoltaic	62,979	54,475	1,577	0	0	0	119,031
Small Hydro	2,222,752	601,328	0	48,820	0	184,994	3,057,894
Solar Thermal	0	879,080	0	0	0	0	879,080
Wind	2,962,939	4,253,386	1,472,280	61,489	0	1,899,555	10,649,649
2010 Total	**12,335,150**	**14,423,693**	**2,229,190**	**124,000**	**99,499**	**2,490,502**	**31,702,034**

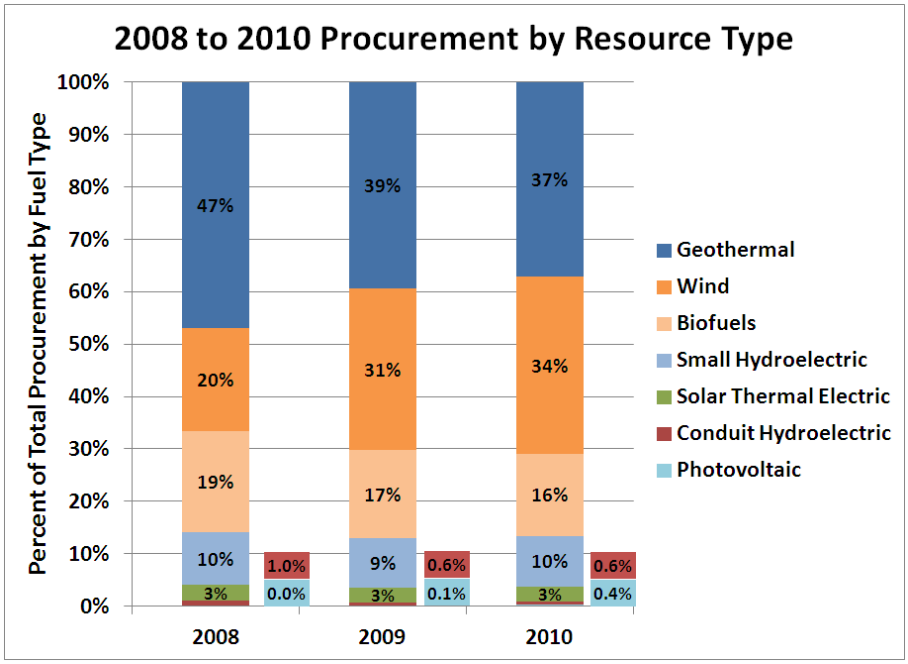
Source: RPS staff analysis of 2008-2010 CEC-RPS-Track Forms and WREGIS Reports.

63 Amounts converted from kWh to MWh. Rounding may result in total amounts listed differing slightly from the total procurement eligible toward the RPS in retail sellers' Summary of RPS Procurement table.

64 Aggregated ESPs and CCA procurement claims for 2008, 2009, and 2010.

66 For purposes of the RPS-Eligible Procurement by Resource Type analysis, generation that was claimed in a year other than the year it was generated is included with the resource type for the year generated not the year claimed.

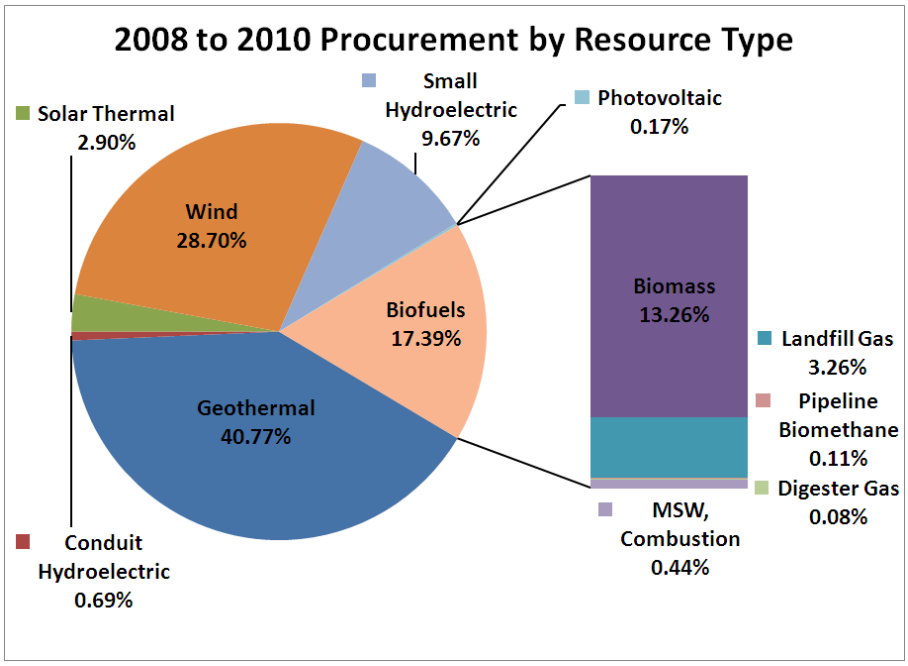
Figure 3: Annual Procurement by Fuel Type for 2008 to 2010



Source: RPS staff analysis of 2008-2010 CEC-RPS-Track Forms and WREGIS Reports.

While there was much focus on the use of pipeline biomethane for purposes of the RPS, it made up only 0.11 percent of the total 2008-2010 renewable resource mix. The pie chart below lists the retail sellers' aggregated procurement from each resource type.

Figure 4: Total Procurement for Entire Compliance Period (2008 to 2010) by Fuel Type



Source: RPS staff analysis of 2008-2010 CEC-RPS-Track Forms and WREGIS Reports.

New and Repowered Facilities

Beginning on January 1, 2007, amendments to Public Resources Code sections 25741 and 25743 by SB 107 changed the definition of new and repowered renewable facilities to require an initial operation of repowering date of January 1, 2005, from the previous initial operation of repowering date of January 1, 2002.

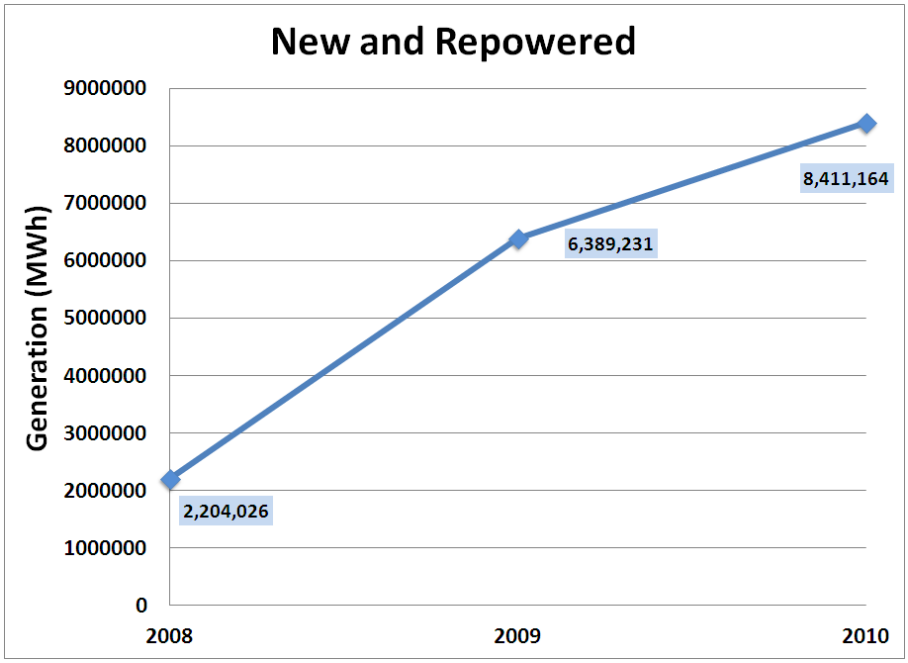
Based on the information submitted using the CEC-RPS-Track and WREGIS Compliance reporting forms for procurement of generation that staff determined to be RPS-eligible (including claims listed in this draft report as pending), the table below shows the amount of new and repowered renewable procurement. This table shows 2008-2010 procurement from new and repowered facilities. New and repowered RPS procurement increased significantly each year.

Table 26: New and Repowered RPS Procurement

Utility	2008 Procurement (MWh)	2009 Procurement (MWh)	2010 Procurement (MWh)
3Phases	10,188	10,098	0
Calpine	0	14,945	49,547
Commerce	0	372	74,200
CNE	117,854	960,874	531,193
Direct Energy	84,877	298,060	144,287
MEA	0	0	19,265
Noble	8,179	9,264	780,578
Pilot	0	0	27,891
Praxair	20	0	0
Shell	6,079	19,077	389,298
PacifiCorp	17,451	40,062	59,787
Sierra Pacific	31,914	48,035	41,556
PG&E	696,603	2,289,296	2,815,414
SCE	980,151	1,718,565	2,428,351
SDG&E	250,710	980,583	1,049,798
Total	2,204,026	6,389,231	8,411,164
Amounts have been converted from kWh to MWh for ease of reading As a result of rounding, the total amounts listed in this table may differ slightly from the total procurement eligible toward the RPS listed in the retail sellers' Summary of RPS Procurement table..			

Source: RPS staff analysis of 2008-2010 CEC-RPS-Track Forms and WREGIS Reports.

Figure 5: Chart Showing the Amount of Generation (MWh) Procured From New and Repowered Facilities for Each Year From 2008 to 2010.

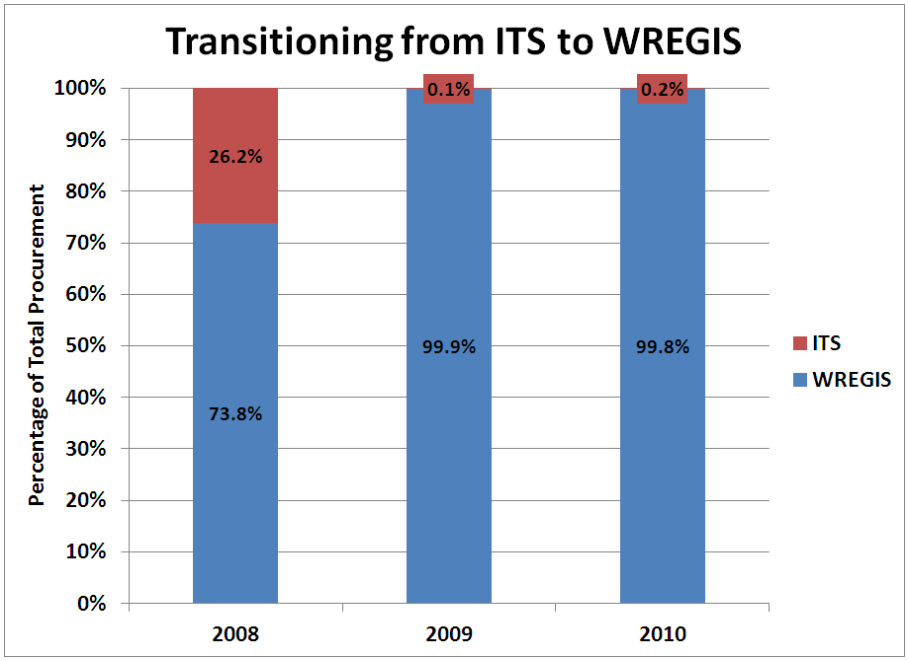


Source: RPS staff analysis of 2008-2010 CEC-RPS-Track Forms and WREGIS Reports.

Transitioning From Interim Tracking System to the Western Renewable Energy Generation Information System

As discussed throughout this *Verification Report*, there were two reporting systems: the transitional ITS and WREGIS. The years covered in this report represent the transitional period from the ITS to WREGIS for retail sellers. In 2009 and 2010 nearly all claims were reported using WREGIS. However, there were a few minor exceptions which allowed retail sellers to report using the ITS. PacifiCorp and SCE reported procurement claims using the ITS in 2009, and PG&E, PacifiCorp, and SCE reported procurement on the ITS in 2010. Each retail seller submitted confirmation letters from WREGIS for each of the claims reported on the ITS stating that the generation reported on the ITS was not, and will never be, available in WREGIS. The use of the ITS for reporting amounts to less than 0.1 percent of all reported procurement in 2009, and 0.2 percent of all reported procurement in 2010.

Figure 6: Usage of Each Reporting System as a Percentage of Total Procurement



Source: RPS staff analysis of 2008-2010 CEC-RPS-Track Forms and WREGIS Reports.

Renewable Energy Certificate Vintage and Retirement Date

During the verification of the 2008-2010 RPS procurement data, staff checked the time between the vintage date, which is the month and year in which the generation occurred, and the retirement date, which is the month and year each batch of WREGIS certificates is retired. This analysis is simplified with the use of WREGIS because both dates are reported for each batch of WREGIS certificates in the WREGIS Compliance Report.

Table 27 below shows the batches of WREGIS certificates in which the date of retirement exceeded the allowable time frame.[66] Each quantity listed in the tables represents a portion of the retail seller's claim from the facility. The CPUC is responsible for compliance determinations, which include application of any applicable REC retirement rules.

Table 27: WREGIS Claims That Exceeded REC Retirement Requirement Limits

Year	Retail Seller	Generator Name	WREGIS ID	RPS ID	WREGIS Certificate Quantity (MWh)	Vintage Year/Month	Retirement Action Date
2009	Commerce	Calistoga Power Plant	W486	60117	6,144	2/1/2009	6/21/2012
2009	Commerce	Calistoga Power Plant	W486	60117	1,440	4/1/2009	6/21/2012
2009	SCE	Kern River 1	W330	60455	3,151	8/1/2009	8/1/2012

Source: RPS staff analysis of retail sellers' 2008-2010 RPS-Track and 2008-2010 WREGIS Compliance Reports.

Staff did this same retirement date check for claims reported on the CEC-RPS-Track form. Because the CEC-RPS-Track form does not report a separate retirement date for each monthly claim, staff used the date that the CEC-RPS-Track form attestation was signed as the retirement date for all the monthly claims reported on the form. Staff considers the attestation date the "worst case scenario" for purposes of reporting REC retirement, since REC retirement can be no later than the date of the report identifying such retirement. All 2008 CEC-RPS-Track form attestations had signature dates of February 28, 2011 or earlier, with the exception of PacifiCorp's 2008 CEC-RPS-Track form, which had an attestation date of March 18, 2011.

However, the circumstances surrounding the submission of PacifiCorp's 2008 CEC-RPS-Track form justify special treatment. On January 27, 2011, in advance of the February 28, 2011 reporting due date for 2008 RPS procurement reports, PacifiCorp requested that Energy Commission staff grant an extension for reporting using the 2008 CEC-RPS-Track reporting form. At that time, there was an outstanding eligibility issue with PacifiCorp's procurement claims from the Hills Air Force Base facility. Energy Commission staff agreed to this time extension request to allow PacifiCorp to remove claims from this facility, which were ultimately determined to be ineligible. This extension enabled PacifiCorp to remove Hills Air Force Base

66 The CPUC set a limit on the amount of time a REC may be traded before being retired for RPS compliance. See Decisions (D.)10-03-021, Section 4.9.1, Ordering Paragraph 10, D.11-01-025, Ordering Paragraph 10, and D.12-06-038, Ordering Paragraph 23. For 2008 vintage RECs, the retirement date was extended from December 31, 2010, to February 28, 2011 (by the CPUC's Executive Director letter, dated February 18, 2011).

facility claims from its 2008 CEC-RPS-Track form and avoid having to revise and resubmit its 2008 CEC-RPS-Track forms after the claim was ultimately determined in eligible.

The issue with PacifiCorp's RPS procurement claims from Hills Air Force Base is discussed in detail in the *2007 Verification Report*. Due to this pending eligibility issue at the time, Energy Commission staff accepted PacifiCorp's request for an extension until Energy Commission staff made a final determination regarding the eligibility of the Hills Air Force Base procurement. Further, PacifiCorp submitted its 2008 WREGIS report on January 28, 2011 well before the February 28, 2011 due date. And, if not for approval from Energy Commission staff to delay reporting using the 2008 CEC-RPS-Track form, PacifiCorp would have submitted the 2008 CEC-RPS-Track form in accordance with the reporting due date. This reporting delay was a mutually agreed upon approach for more efficient reporting and verification. At the November 14, 2013 Business Meeting, the Energy Commission approved staff's recommendation that the Energy Commission, in this particular case, determine that PacifiCorp's 2008 CEC-RPS-Track form as effectively submitted on January 27, 2011 for purposes of determining the REC retirement date. Using this date is consistent with PacifiCorp's intention to report its 2008 RPS procurement accurately and in a timely manner.

If the "worst case scenario" approach were used for PacifiCorp, several claims reported in its 2008 CEC-RPS-Track form would be disallowed, because the attestation date on this form is March 18, 2011, and exceeds the CPUC's February 28, 2011 retirement date for 2008 vintage RECs. Claims reported on PacifiCorp's CEC-RPS-Track form include RECs with vintage dates of January, February, and March 2008.

CHAPTER 6: Verification Limitations and Future Efforts

This chapter describes limitations associated with the Interim Tracking System and describes how future verification efforts will change as a result of SB X1-2.

Limitations of the Interim Tracking System

This report presents Energy Commission staff's verified RPS procurement data results; however, some limitations should be noted.

The Interim Tracking System restricts the extent to which the Energy Commission staff can cross-reference California RPS procurement with other specific purchases. As discussed in Chapter 2, Energy Commission staff coordinates with staff from energy agencies in Washington, Oregon, and Nevada to cross-reference California RPS procurement with retail claims made in these states. Coordination with Oregon and Washington has focused largely on an energy information tracking system that was funded by a U.S. Department of Energy grant.

This interstate tracking system was developed to support administration of the Power Source Disclosure Program by enabling participating states to determine if generation was claimed in more than one of these states. Energy Commission staff was able to obtain energy procurement data for 2007 produced by this tracking system; however, the state of Washington is no longer able to operate the tracking system. Starting with the 2008 compliance year, Energy Commission staff primarily used WREGIS to track generation and procurement and no longer relies on the tracking system mentioned above. However, Energy Commission staff continues to coordinate with staff from Oregon and Washington, where possible.

Staff also collaborated with the Public Utilities Commission of Nevada to confirm that procurement from the 18 facilities located in Nevada and being claimed for California RPS purposes did not exceed generation when Nevada procurement amounts were combined with California procurement amounts.

In addition, staff's ability to protect against double-counting is limited to the reporting requirements for each state and the availability of data from these states. With PacifiCorp and Sierra Pacific submitting procurement claims for this report and more procurement anticipated from out of state, coordination with other states is important for verification. Fortunately, staff anticipates concerns about double-counting of RPS procurement claimed in California and in other states will be reduced with the switch from the Interim Tracking System to WREGIS.

Further, staff has limited information about specific purchases made in which RECs are sold separately from the associated electricity.[67] "Unbundled" RECs were determined eligible for

67 RECs represent the "renewable" quality of electricity generated from a renewable facility. A REC is created when a specific amount of renewable energy is generated; 1 MWh of renewable energy represents 1 REC. The voluntary REC market is not regulated in California. RECs are also commonly referred to as "renewable attributes" and "green tags."

RPS compliance in California with the CPUC's January 2011 T-REC decision. [68,69] Energy Commission staff updated *RPS Guidebooks* to incorporate this decision, as well as to implement the RPS reporting and procurement requirements of SB X1-2.

In other regulatory and nonregulatory markets, however, generators, marketers, or brokers may sell unbundled RECs as a separate commodity to individuals, companies, utilities, or other organizations. The Energy Commission does not track these voluntary transactions but collaborates with Green-e Energy, one of the leading voluntary REC organizations.[70] As a result of this collaboration, Energy Commission staff is able to cross-check some, but not all, RPS procurement claims with unbundled RECs sold in the voluntary market, as Green-e Energy does not certify the entire voluntary REC market.

The robustness of the ITS is also limited by the quality of the generation data. In most cases, the generation data used for this report are self-reported and not independently verified by third parties. WREGIS helps address many of these data limitations because it tracks renewable energy transactions throughout the WECC (not just California, Nevada, Oregon, and Washington) and is supported in most cases by generation data from qualified reporting entities, rather than self-reported generation data. For retail sellers, WREGIS will be used for RPS verification for years 2011 and forward. POUs will transition from the ITS to WREGIS for RPS claims not tracked in WREGIS before October 31, 2012.

Another challenge with the ITS is the ability of staff to analyze energy delivery documentation when data is not available in WREGIS. Third parties providing energy delivery services to retail sellers are currently unable to match e-Tag data with WREGIS Certificates. Until this problem is fixed in WREGIS, retail sellers may report using the CEC-RPS-Delivery form. Energy Commission staff audits information on the CEC-RPS-Delivery form by requesting randomly selected e-Tags and, in some cases, the entire list of e-tags associated with the energy delivery amounts. Because WREGIS prevents against the matching e-Tags more than once, Energy Commission staff expects verification using e-Tag data to be better streamlined once the WREGIS e-Tag Summary reports are fully available in WREGIS.

Procurement Verification

Staff developed an Access® database that allows for more accurate and efficient verification of RPS procurement claims. Using the database, if staff found a discrepancy in which the total annual procurement from a specific facility appeared to exceed total annual generation from that facility by 5 percent or greater, staff requested supporting information from the retail seller(s) making the procurement claim(s).

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68 Public Utilities Code Section 399.16, as enacted by SB 107, allows the CPUC to authorize the use of unbundled RECs once a tracking system is developed and other conditions are met.

69 See: D.11-01-025 http://docs.cpuc.ca.gov/word_pdf/FINAL_DECISION/129517.pdf

70 Green-e Energy, a program of the Center for Resource Solutions, is an independent consumer protection program for the sale of renewable energy in the voluntary retail market. www.green-e.org/.

Following this approach, Energy Commission staff requested supporting information from the retail sellers and received supplemental information in all of these cases. In some cases, staff adjusted the procurement claims downward to match the invoices; in cases where the supporting data matched the procurement claim, the claims were accepted.

Conversely, Energy Commission staff's comparison of generation and procurement found that in some cases the generation exceeded procurement claims by 5 percent or greater. In such cases, staff did not conduct further research to identify the source of the discrepancy, but rather was satisfied that the available generation data supported the specific purchase claim; the facility produced as much or more energy than was claimed by the retail seller for that year.

Possible explanations for generation discrepancies may include excess generation being sold to another utility, trader, or other entity. Also, the amount procured may reflect line losses such that more energy is generated than is delivered to the load. Furthermore, verifying procurement claims with generation data is especially difficult for wind facilities. For example, wind turbines within a group of turbines that collectively comprise a wind facility are sometimes sold to new parties. This sale leads to difficulties locating owners of facilities who could provide generation data and can result in variances in recordkeeping by the retail sellers and the facility owners. Some wind facilities report to the EIA differently than they report the generation to the retail sellers. In some cases, multiple facilities report under one EIA ID number. Further, for all resources, the comparison of generation and procurement requires an element of professional judgment. For example, the retail seller may report a project by one name, but sources of generation data may identify a project by a different name. Energy Commission staff must be able to determine which facilities use multiple names by cross-referencing various ID numbers.

While the Energy Commission recognizes the limitations of the ITS, it is important to recognize that this verification report reflects staff's review of more than 1,770 RPS claims reported by retail sellers and checked against entities with RPS claims in other states and entities participating in the voluntary REC market for 2008-2010. The method and results have benefited from public input, and staff believes they are as accurate as possible at this time.

Upon notice of availability of this verification report, reporting retail sellers must submit Verified Compliance Reports to the CPUC within 30 days.

For information regarding retail sellers' official RPS progress and status, interested parties should refer to the CPUC's website.[71]

Long-Term Verification

The *RPS Eligibility Guidebook, Seventh Edition,*[72] clarifies the RPS reporting requirements for retail sellers and POUs starting in 2011. For retail sellers, the RECs retired for the 2011 reporting

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71 http://www.cpuc.ca.gov/PUC/energy/Renewables/index.htm

72 See http://www.energy.ca.gov/2013publications/CEC-300-2013-005/CEC-300-2013-005-ED7-CMF.pdf Section V. Reporting Tracking Systems, Reporting and Verification.

year[73] must be reported to the Energy Commission within 90 days after the adoption of the guidebook, and RECs reported for 2012 must be reported within 120 days after the adoption of the guidebook For 2013 forward, the due date for reporting RECs retired for the previous year is July 1 of the following year.

POUs must report RECs claimed for the 2011 and 2012 reporting years and all other required information (as described in the Energy Commission's regulations establishing *Enforcement Procedures for the Renewables Portfolio Standard for Local Publicly Owned Electric Utilities*)[74] by 30 calendar days after the effective date of these POU regulations. The regulations take effect on October 1, 2013, so POU reports were due October 31, 2013. For 2013 and thereafter, RPS procurement retired for the previous reporting year must be reported by July 1 of the following year.

Because e-Tag data are necessary to determine RPS compliance with the portfolio content categories,[75] beginning with the 2011 reporting year Energy Commission staff will review e-Tag data for POUs, while CPUC staff will review e-Tag data for retail sellers. RPS verification reports for retail sellers will continue to verify the amount of eligible claims made from RPS-certified facilities but will not address portfolio content categories or specific procurement requirements. The CPUC will use the Energy Commission's *Verification Report* to determine retail sellers' RPS compliance. The Energy Commission will determine RPS compliance for the POUs, which will include analyzing e-Tag data related to the portfolio content categories. Energy Commission staff will produce a separate *RPS Verification and Compliance Report* for POUs. If, in conjunction with the preparation of this report, Energy Commission staff determines a POU has failed to comply with an RPS requirement, staff will recommend that a

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73 The *RPS Eligibility Guidebook, Seventh Edition,* (see link above, p.125) provides the following definition for the term "reporting year:" "Reporting Year — refers to a particular year within a compliance period for which the annual generation has already occurred and for which the RECs are being retired and used for RPS compliance. The reporting year is not the year in which the retired RECs are reported; it is the year for which the retired RECs are reported and, on an annual basis, represents the calendar year preceding the July 1 reporting due date."

74 The Energy Commission's adopted POU Regulations are codified in Title 20 of the California Code of Regulations sections 1240, and 3200-3208. These regulations are posted at this link: http://www.energy.ca.gov/portfolio/pou_rulemaking/documents/

75 The *RPS Eligibility Guidebook, Seventh Edition,* provides the following explanation for PCC 1 e-Tag data: "RPS-certified facilities with generation scheduled into a CBA may use another source to provide the real-time ancillary services required to maintain an hourly or subhourly import schedule into a CBA, but only the fraction of the schedule actually generated by the RPS facility may count toward PCC 1. The final schedule amount as indicated on an e-Tag may be larger than the actual generation amount from the facility; however, only the amount actually generated by the facility and scheduled into a CBA may be classified as PCC 1 in accordance with the *Enforcement Procedures for the RPS for POUs*." (pg. 102).For PCC2, contractual information along with e-Tag data is used to demonstrate incremental electricity used to firm and shape RECs. (pgs.107-108).

complaint be filed against the POU in accordance with the *Enforcement Procedures for the RPS for POUs.*[76]

Because of the technical complexity of SB X1-2, the Energy Commission has made interim improvements to its current database system, which will assist staff with 2011 and future RPS data analyses while steps are being taken to develop a more robust, streamlined, and user-friendly RPS certification and verification/compliance database for RPS data analysis well into the future.

Outlook for Future Reports

The Energy Commission intends to verify RPS procurement claims for each retail seller and POU annually for each year of a multiyear compliance period. This process will begin with an Energy Commission staff analysis of annual procurement data as submitted by the retail seller or POU for the preceding reporting year.

The Energy Commission will verify whether procurement is consistent with the requirements of the current edition of the *RPS Guidebook* and other applicable *RPS Guidebooks* and, for POUs only, consistent with the Energy Commission's regulations for *Enforcement Procedures for the RPS for POUs*.

Staff will work with each retail seller and POU to verify the reported procurement claims and conduct an annual public workshop to present staff findings and discuss outstanding issues. It is yet to be determined if the workshop will combine the findings for both retail sellers and POUs, or if there will be two workshops, one for retail sellers and one for POUs. The Energy Commission plans to post the findings on its website.

Following the end of each compliance period, the Energy Commission staff will combine the verification results of the intervening years with those for the final year of the compliance period and prepare RPS verification reports summarizing the results. Because reporting for 2011 and 2012 was delayed, Energy Commission staff may initially combine the verification results for multiple years in a single workshop, particularly if it will lead to overall efficiencies in processing and presenting the data.

The Energy Commission expects to prepare two RPS reports per compliance period, one for retail sellers, *RPS Verification Report for Retail Sellers,* and one for POUs, *RPS Verification and Compliance Report for POUs*.

76 Refer to section 1240 of the POU regulations.

Glossary

AB — Assembly Bill − A Chaptered Bill that is part of the California Code that originated in the California State Assembly. To become law, an assembly bill must win majority approval in both the California State Assembly and the California State Senate. If the bill requires an appropriation or takes effect immediately, then it require 54 votes in the California State Assembly and 27 votes in the California State Senate to be passed. If both houses approve a bill, it then goes to the Governor. The Governor has three choices. The Governor can sign the bill into law, allow it to become law without his or her signature, or veto it. A governor's veto can be overridden by a two thirds vote in both houses. Most bills go into effect on the first day of January of the next year. Urgency measures take effect immediately after they are signed or allowed to become law without signature.

APT — annual procurement target – Up until 2011, a retail seller's APT is the amount of renewable generation the retail seller must procure in that year. Generally an APT is calculated using the following equation:

$$Current\ Year\ APT = Current\ Year\ IPT + Prior\ Year\ APT$$

CCA — community choice aggregator − As defined in Public Utilities Code Section 331.1, a community choice aggregator refers to any of the following entities, if that entity is not within the jurisdiction of a local publicly owned electric utility that provided electrical service as of January 1, 2003: any city, county, or city and county whose governing board elects to combine the loads of its residents, businesses, and municipal facilities in a communitywide electricity buyers' program or any group of cities, counties, or cities and counties whose governing boards have elected to combine the loads of their programs, through the formation of a joint powers agency established under Chapter 5 (commencing with Section 6500) of Division 7 of Title 1 of the Government Code.

CPUC — California Public Utilities Commission − an agency that regulates privately owned public utilities California, including electric power, telecommunications, natural gas, and water companies. Energy Commission and the California Public Utilities Commission staff have been designated as having special status to work collaboratively and participate in confidential deliberations concerning decision-making on the implementation of the Renewables Portfolio Standard.

DG — distributed generation − a small-scale electricity generation facility that is interconnected to a distribution network and is generally 20 MW or smaller.

DG facilities may serve on-site load or off-site load or both.

e-Tag — electronic tag – an electronic record created under the policies of the North American Electric Reliability Corporation that contains the details of a transaction to transfer electricity from a seller to a buyer where the electricity is scheduled for transmission across one or more balancing authority area boundaries.

ERFP — Existing Renewable Facilities Program — an Energy Commission program that allocated funds collected from investor-owned utility ratepayers through a public goods charge to increase the competitiveness of existing (operational on or prior to September 26, 1996) in-state renewable generating facilities. The ERFP funded existing facilities from 1998 through 2011. Authority to collect funding for the ERFP ended on December 31, 2011. Under continued authority to spend remaining funds, the Energy Commission continued to provide incentive payments to eligible facilities for electricity generated in 2011, until the annual funding cap was reached.

ESP — electric service provider − as defined in Public Utilities Code Section 218.3, refers to an entity that offers electrical service to customers within the service territory of an electrical corporation but does not include an entity that offers electrical service solely to service customer load consistent with Public Utilities Code Section 218, Subdivision (b), and does not include an electrical corporation or a public agency that offers electrical service to residential and small commercial customers within its jurisdiction, or within the service territory of a local publicly owned electric utility. ESP include the unregulated affiliates and subsidiaries of an electrical corporation.

FERC — Federal Energy Regulatory Commission − an independent agency that regulates the interstate transmission of natural gas, oil, and electricity.

ITS — interim tracking system – the process that the Energy Commission used to verify RPS procurement claims during the development of the Western Renewable Energy Generation Information System. This approach used available generation data to check against procurement claims, and account for renewable energy procurement claims on the voluntary market and other renewable energy reporting programs, such as those in other states, and also used energy delivery documentation to verify Renewables Portfolio Standard claims from out-of-state.

IOU — investor-owned utility – an electrical corporation, which for the purposes of the RPS, refers collectively to Pacific Gas and Electric Company, Southern California Edison Company, and San Diego Gas & Electric Company.

IPT — interim procurement target − the amount of procurement eligible for the

Renewables Portfolio Standard that the retail seller must purchase, in a given year, above the total amount the retail seller was required to procure in the prior year. A retail seller's IPT equals at least 1 percent of the previous year's total electric retail sales, up to 2009.

kWh — kilowatt-hour − the most commonly used unit of measure telling the amount of electricity consumed over time. It means one kilowatt of electricity supplied for one hour. A typical California household consumes about 500 kWh in an average month.

LSE — Load-serving entity − an entity that provides electric service to end users and wholesale customers.

MJU — multijurisdictional utility − an electrical corporation with 60,000 or fewer customer accounts in California as of January 1, 2010, and that serves retail end-use customers outside California, is located in a control area that is not under the control of a California balancing authority, receives the majority of its electrical requirements from generating facilities located outside California, and is subject to the provisions of Public Utilities Code Section 399.17. Sierra Pacific Power and PacifiCorp are the only MJUs covered in this report.

MW — Megawatt − 1,000 kilowatts. One megawatt is about the amount of power required to meet the peak demand of a large hotel.

MWh — Megawatt hour − a unit of measure describing the amount of electricity consumed over time. It means 1 megawatt of electricity supplied for one hour. Two typical California households consume a combined total of about 1 MWh in an average month, one household consumes about 0.5 MWh.

NERC — North American Electric Reliability Corporation − a not-for-profit entity whose mission is to ensure the reliability of the Bulk-Power System in North America, including the continental United States, Canada and the northern portion of Baja California, Mexico. NERC was responsible for the implementation of the e-Tag system, but transferred responsibility for the e-Tag system to the North American Energy Standards Board on October 27, 2009.

PG&E — Pacific Gas and Electric Company – a California IOU that operates in the northern two-thirds of California. PG&E has reported renewable energy procurement to the Renewables Portfolio Standard program since 2001.

PSDP — Power Source Disclosure Program – a program implemented under Public Utilities Code Section 398.1, et seq., as enacted by Senate Bill 1305 (Sher, Chapter 796, Statutes of 1997), and the Energy Commission's regulations as set forth in Title 20 of the California Code of Regulations, Sections 1390-

1394. This law requires retail suppliers of electricity to disclose to consumers "accurate, reliable and simple to understand information on the sources of energy that are (being) used..." (Public Utilities Code Section 398.1[B]).

PURPA — Public Utilities Regulatory Policies Act – an act of Congress passed as part of the National Energy Act in 1978 to promote greater use of domestic renewable energy by requiring regulated electric utilities to buy power from other more efficient producers, if that cost was less than the utility's own "avoided cost" rate to the consumer. PURPA was amended in 2005 by the federal Energy Policy Act of 2005 by sections 1251 through 1254.

QF — Qualifying Small Power Production Facility – a facility eligible for certification under Section 292.207 of Title 18 of the Code of Federal Regulations.

REC — Renewable Energy Credit/Certificate – as defined in Public Utilities Code Section 399.12, Subdivision (h)(1), to mean a certificate of proof, issued through the accounting system established by the Energy Commission under Section 399.25, that one unit of electricity was generated and delivered by an eligible renewable energy resource. As specified in Section 399.12, Subdivision (h)(2), a REC includes all renewable and environmental attributes associated with the production of electricity from an eligible renewable energy resource, except for an emissions reduction credit issued pursuant to Section 40709 of the Health and Safety Code and any credits or payments associated with the reduction of solid waste and treatment benefits created by the use of biomass or biogas fuels. As specified in Section 399.12, Subdivision (h)(3), electricity generated by an eligible renewable energy resource attributable to the use of nonrenewable fuels, beyond a de minimis quantity, as determined by the Energy Commission, shall not result in the creation of a REC.

As defined by the CPUC in Decision D.08-08-028, a REC for compliance with the California Renewables Portfolio Standard is “a certificate of proof, issued through the Western Renewable Generation Information System [sic], that one megawatt-hour of electricity was generated by an RPS-eligible renewable energy resource and delivered for consumption by California end-use retail customers. A REC includes all renewable and environmental attributes associated with the production of electricity from the eligible renewable energy resource, including any avoided emission of pollutants to the air, soil or water; any avoided emissions of carbon dioxide, methane, nitrous oxide, hydrofluorocarbons, perfluorocarbons, sulfur hexafluoride, or any other greenhouse gases that have been determined by the United Nations Intergovernmental Panel on Climate Change, or otherwise by law, to contribute to the actual or potential threat of global

climate change; and the reporting rights to these avoided emissions, such as Green Tag reporting rights. A REC does not include any emissions reduction credit issued pursuant to § 40709 of the Health and Safety Code or any credits or payments associated with the reduction of solid waste or treatment benefits created by the utilization of biomass or biogas fuels. A REC also does not include any energy, capacity, reliability or other power attributes of the generation; any tax credits or other financial incentives in the form of credits, reductions, or allowances associated with the generation that are applicable to a state or federal income taxation obligation; any fuel-related subsidies or "tipping fees" or local subsidies received by the generator for the destruction of particular preexisting pollutants or the promotion of local environmental benefits; or emission reduction credits (whether issued pursuant to § 40709 of the Health and Safety Code or any other authority) that are encumbered or used by the generator for compliance with local, state, or federal operating and/or air quality permits.

In accordance with Public Utilities Code Section 399.21, Subdivision (a)(4), no REC may be created based on any electricity generated pursuant to any contract with a California retail seller or a local publicly owned electric utility executed before January 1, 2005, unless the contract contains explicit terms and conditions specifying the ownership or disposition of the RECs. In accordance with Public Utilities Code Section 399.21, Subdivision (a)(4), a REC may not be created based on any electricity generated pursuant to a contract with a qualifying facility pursuant to the Public Utility Regulatory Policies Act of 1978 that was executed after January 1, 2005. A REC cannot be created with respect to electricity generated by an eligible renewable energy resource attributable to the use of nonrenewable fuels, beyond a *de minimis* quantity as determined by the CEC."

REP — Renewable Energy Program – a program implemented by the Energy Commission's Renewable Energy Office.

RPS — Renewables Portfolio Standard – California's Renewables Portfolio Standard as established in Public Utilities Code Section 399.11, et seq. and defined in Public Utilities Code Section 399.12, Subdivision (i), to mean the specified percentage of electricity generated by eligible renewable energy resources that a retail seller or local publicly owned electric utility is required to procure pursuant to Public Utilities Code Section 399.11 et seq. Under the RPS, a retail seller or local publicly owned electric utility must increase its total procurement of eligible renewable energy resources so that 33 percent of its retail sales are procured from eligible energy resources no later than December 31, 2020.

SB — Senate Bill – A Chaptered Bill that is part of the California Code that originated in the California State Senate. To become law, a senate bill must

win majority approval in both the California State Senate and the California State Assembly. (See Assembly Bill above for more details on process).

SCE — Southern California Edison Company – a California IOU that is the primary electricity supply company for much of Southern California. SCE has reported renewable energy procurement to the RPS program since 2001.

SDG&E — San Diego Gas & Electric Company – a California IOU that provides natural gas and electricity to San Diego County and southern Orange County. SDG&E has reported renewable energy procurement to the RPS program since 2001.

SMJU — small and multijurisdictional utility – an electrical corporation with 60,000 or fewer customer accounts in California as of January 1, 2010. Sierra Pacific Power and PacifiCorp are the only SMJU's covered in this report.

WECC — Western Electricity Coordinating Council – formed on April 18, 2002, by the merger of the Western Systems Coordinating Council, Southwest Regional Transmission Association, and Western Regional Transmission Association. WECC is responsible for coordinating and promoting electric system reliability, assuring open and nondiscriminatory transmission access among members, and providing a forum for resolving transmission access disputes.

WREGIS — Western Renewable Energy Generation Information System – The Western Governors' Association developed the WREGIS in association with the Energy Commission and using Energy Commission funding. WREGIS is an independent renewable energy tracking system for the region covered by the WECC. WREGIS electronically tracks RECs (WREGIS Certificates) representing renewable energy generation and, beginning with 2008 data, is used for RPS reporting and verification.

APPENDIX A:
Retail Sellers' Modified RPS Track Forms and WREGIS Reports

Appendix A is the Individual Retail Sellers' Modified RPS Track Forms and WREGIS Reports. It includes modified versions of the CEC-RPS-Track form and WREGIS Report filings for retail sellers with 2008, 2009, and/or 2010 RPS claims. Examples of the modifications include a column that was added to the tables to show procurement from generating facilities by other retail sellers, such as ESPs and POUs that reported to the Power Source Disclosure Program (PSDP) and voluntary market programs. The sum of the information reported to the PSDP, voluntary market programs, and the procurement information reported to the Energy Commission in the CEC-RPS-Track forms and WREGIS Reports was compared to generation totals reported to the Energy Commission and/or the EIA. Another example is that a column was added to indicate the source of the generation data used for this comparison.

The modified CEC-RPS-Track form and WREGIS Report filings compare each retail sellers' procurement claim for each facility with the generation totals as available. For utility-certified facilities, an asterisk is listed with the RPS ID numbers indicating that it is a utility-certified facility. As provided in the *RPS Guidebook,* CEC-RPS-Track form claims are accepted as the reported generation for utility-certified facilities.

For ease of viewing, staff has provided the template below with footnotes explaining the headers for each column title in the tables that follow. This template was used for every retail seller, with the exception of PacifiCorp and Sierra Pacific Power where staff compared RPS procurement claims with public disclosure statements made in other states. For PacifiCorp and Sierra Pacific Power, the column titled Procurement Reported to PSDP/ Voluntary Programs (kWh) is titled "Procurement Reported to PSDP/ Voluntary Programs/ RECs Allocated to Other States." As necessary, there are some individualized footnotes found on specific tables.

2008-2010 RPS Procurement Claims Appendix Table Template

CEC RPS ID Number[1]	Facility Name[2]	Fuel Type[3]	Annual Generation Procured (kWh)[4]	RPS Claims by Other Retail Sellers (kWh)[5]	Procurement Reported to PSDP/ Voluntary Programs (kWh)[6]	Generation Data Compared With Procurement (kWh)[7]	% Difference Between Generation and Procurement[8]	Generation Data Source[9]	Facility's Beginning On Date[10]
1 The California Energy Commission assigns this RPS Certification identification number to the generating facility when it certifies the facility as RPS-eligible.									
* RPS identification numbers that show No Data in the column "Generation Data Used for Comparison with Procurement" are utility-certified facilities with no independently reported generation. As stated on page 68 in the RPS Eligibility Guidebook, Fourth Edition, with the use of the interim tracking system (ITS) the retail seller is responsible for reporting the generation data for the facilities it certifies. This reporting requirement will be satisfied though the CEC-RPS-Track forms and WREGIS State/Provincial/Voluntary Compliance Reports. Therefore, the asterisk indicates that the facility is utility-certified and that the procurement amount reported is accepted as reported on the RPS-Track form and/or WREGIS State/Provincial/Voluntary Compliance Report.									
2 This is the facility name as listed on the California's Renewables Portfolio Standard (RPS) Eligible Facilities database, which can be found at: http://www.energy.ca.gov/portfolio/documents/LIST_RPS_CERT.PDF. In some cases the facility name may be different than what was reported on the RPS-Track form. Energy Commission staff has attempted to match the name of the facility to match the name in the Energy Commission RPS Certification Database.									
3 This is the fuel type as listed on the California's Renewables Portfolio Standard (RPS) Eligible Facilities database, which can be found at: http://www.energy.ca.gov/portfolio/documents/LIST_RPS_CERT.PDF In some cases, the fuel type may be different than what was reported in the WREGIS State/Provincial/Voluntary Compliance Report and/or CEC-RPS-Track form. Energy Commission staff has attempted to match the fuel type to match with what is listed in the Energy Commission RPS Certification Database.									
4 The procurement amount shown in this column is the amount reported by the retail seller to the Energy Commission in the WREGIS State/Provincial/Voluntary Compliance Report and/or CEC-RPS-Track form.									
5 The figures reported in this column are the total specific purchases reported in the WREGIS State/Provincial/Voluntary Compliance Report and/or CEC-RPS-Track form from other retail sellers.									

6 This column lists procurement claims from specific purchases from other load serving entities for the same facilities, if applicable. Claims were reported to the Energy Commission's Power Source Disclosure Program, which collects Annual Reports from load serving entities, including Publicly Owned Utilities. Energy Commission staff compare the sources of power retailers claimed to the actual sources used for electricity that is consumed in California. Energy Commission also collaborates with the Voluntary REC market, where possible. Additionally, the Energy Commission collaborates with other states. Please note that for PacifiCorp and Sierra Pacific, the header includes "Procurement Reported to Other States for Power Source Disclosure Programs."
7 The generation totals in this column are taken from various sources that collect facility-level generation information. These agencies are listed in the footnote under "Generation Data Sources." If multiple sources had generation data for the same facility, the highest generation total was used for comparison with the procurement claim(s).
8 The percentages that appear in this column represent the differences between the data source with the highest generation amount and the annual procurement claim.
9 Energy Commission staff the Energy Commission compares RPS procurement claims with generation data obtained from the various sources listed below: United States Electricity Information Association (EIA); Energy Commission's Electricity Analysis Office (EAO); Energy Commission's Public Interest Energy Research (PIER) Renewable Wind Program; Invoice or Supporting Documentation (Inv/SD); Energy Commission's Existing Renewable Funding Program (ERFP).
10 This is the date at which procurement from a facility becomes RPS eligible. Because the Energy Commission receives monthly data, once certified, generation from the entire month that the application is received is considered RPS eligible.

Source: RPS staff definitions for 2008-2010 RPS Procurement Claims Appendix Table.

3Phases Energy Services RPS Procurement Claims Analysis

2008 RPS Procurement Claims

CEC RPS ID Number[1]	Facility Name[2]	Fuel Type[3]	Annual Generation Procured (kWh)[4]	RPS Claims by Other Retail Sellers (kWh)[5]	Procurement Reported to PSDP/ Voluntary Programs (kWh)[6]	Generation Data Compared With Procurement (kWh)[7]	% Difference Between Generation and Procurement[8]	Generation Data Source[9]	Facility's Beginning On Date[10]
60471	Chowchilla II	Biomass	10,998,000	6,126,000	0	20,702,000	21%	EAO	7/25/2005
60473	El Nido	Biomass	10,188,000	20,000	0	14,502,000	42%	EAO	7/25/2005
60576	SPI – Sonora	Biomass	8,932,000	0	0	40,645,910	355%	EIA	4/23/2007
60023	Central Disposal Site LFG Power Plant Phase 3	Landfill Gas	124,600	0	0	3,855,000	2994%	EIA	8/19/2004
60107	Monterey Regional Waste Mgt Dist	Landfill Gas	7,954,000	16,665,887	0	31,573,000	28%	EIA	12/17/2004

2009 RPS Procurement Claims

CEC RPS ID Number[1]	Facility Name[2]	Fuel Type[3]	Annual Generation Procured (kWh)[4]	RPS Claims by Other Retail Sellers (kWh)[5]	Procurement Reported to PSDP/ Voluntary Programs (kWh)[6]	Generation Data Compared With Procurement (kWh)[7]	% Difference Between Generation and Procurement[8]	Generation Data Source[9]	Facility's Beginning On Date[10]
60473	El Nido	Biomass	498,000	48,314,000	0	48,811,707	0%	RPS	7/25/2005
60697[A]	Simpson Cogen	Biomass	9,600,000	0	9,600,000	164,357,000	756%	EIA	6/2/2008
60005	Calpine Geothermal Unit 13	Geothermal	2,000	469,127,000	1,729	484,391,000	3%	EAO	6/14/2004

A This claim was initially considered a pending claim due to outstanding issues regarding energy delivery. However, in support of staff's recommendation, the Energy Commission accepted this claim as RPS-eligible at the November 14, 2013 Business Meeting.

APS Energy Services RPS Procurement Claims Analysis

2008 RPS Procurement Claims

CEC RPS ID Number[1]	Facility Name[2]	Fuel Type[3]	Annual Generation Procured (kWh)[4]	RPS Claims by Other Retail Sellers (kWh)[5]	Procurement Reported to PSDP/ Voluntary Programs (kWh)[6]	Generation Data Compared With Procurement (kWh)[7]	% Difference Between Generation and Procurement[8]	Generation Data Source[9]	Facility's Beginning On Date[10]
60107	Monterey Regional Waste Mgt Dist	Landfill Gas	4,121,000	20,498,887	0	31,573,000	28%	EIA	12/17/2004

Calpine Power America-CA RPS Procurement Claims Analysis

2009 RPS Procurement Claims

CEC RPS ID Number[1]	Facility Name[2]	Fuel Type[3]	Annual Generation Procured (kWh)[4]	RPS Claims by Other Retail Sellers (kWh)[5]	Procurement Reported to PSDP/ Voluntary Programs (kWh)[6]	Generation Data Compared With Procurement (kWh)[7]	% Difference Between Generation and Procurement[8]	Generation Data Source[9]	Facility's Beginning On Date[10]
60002	Calpine Geothermal Unit 5/6	Geothermal	880,000	678,253,000	10,624	689,755,000	2%	EAO	6/14/2004
60003	Calpine Geothermal Unit 7-8	Geothermal	1,261,000	588,277,000	0	589,537,000	0%	EAO	6/14/2004
60004	Calpine Geothermal Unit 12	Geothermal	2,288,000	423,525,000	0	425,812,000	0%	EAO	6/14/2004
60005	Calpine Geothermal Unit 13	Geothermal	18,608,000	450,521,000	1,729	484,391,000	3%	EAO	6/14/2004
60006	Calpine Geothermal Unit 16	Geothermal	1,702,000	405,793,000	0	407,496,000	0%	EAO	6/14/2004
60007	Calpine Geothermal Unit 17	Geothermal	922,000	369,448,000	32,016	402,386,000	9%	EAO	6/14/2004
60008	Calpine Geothermal Unit 18	Geothermal	6,734,000	345,990,000	38,600	394,321,000	12%	EAO	6/14/2004
60009	Calpine Geothermal Unit 20	Geothermal	16,199,000	288,893,000	36,883	341,974,000	12%	EAO	6/14/2004
60010	Sonoma/Calpine Geyser	Geothermal	3,501,000	239,441,000	56,488	299,430,000	23%	EAO	6/14/2004
60025	Calpine Geothermal Unit 11	Geothermal	13,381,000	493,797,000	17,644	524,822,000	3%	EAO	6/14/2004
60026	Calpine Geothermal Unit 14	Geothermal	1,564,000	419,415,000	0	420,978,000	0%	EAO	6/14/2004
60112	Bear Canyon Power Plant	Geothermal	1,094,000	107,514,000	0	108,608,000	0%	EIA	12/17/2004
60114	West Ford Flat Power Plant	Geothermal	1,000	222,484,000	0	222,486,000	0%	EIA	12/17/2004

60115	Aidlin Power Plant	Geothermal	1,000	144,097,000	0	144,099,000	0%	EAO	12/17/2004
60117	Calistoga Power Plant	Geothermal	11,863,000	450,725,000	0	493,339,000	7%	EAO	12/17/2004

2010 RPS Procurement Claims

CEC RPS ID Number[1]	Facility Name[2]	Fuel Type[3]	Annual Generation Procured (kWh)[4]	RPS Claims by Other Retail Sellers (kWh)[5]	Procurement Reported to PSDP/ Voluntary Programs (kWh)[6]	Generation Data Compared With Procurement (kWh)[7]	% Difference Between Generation and Procurement[8]	Generation Data Source[9]	Facility's Beginning On Date[10]
60003	Calpine Geothermal Unit 7-8	Geothermal	2,000	636,486,000	0	636,489,000	0%	EAO	6/14/2004
60005	Calpine Geothermal Unit 13	Geothermal	1,550,000	485,561,000	0	487,108,000	0%	EAO	6/14/2004
60008	Calpine Geothermal Unit 18	Geothermal	4,288,000	377,485,000	0	381,773,000	0%	EAO	6/14/2004
60009	Calpine Geothermal Unit 20	Geothermal	17,590,000	312,076,000	0	329,676,000	0%	EAO	6/14/2004
60010	Sonoma/Calpine Geyser	Geothermal	18,979,000	290,071,000	0	309,051,000	0%	EAO	6/14/2004
60025	Calpine Geothermal Unit 11	Geothermal	8,747,000	467,975,000	0	476,738,000	0%	EAO	6/14/2004
60117	Calistoga Power Plant	Geothermal	184,000	538,581,000	0	538,765,000	0%	EIA	12/17/2004
60908	Geothermal 1, Unit 1	Geothermal	9,043,000	8,913,000	15,936,000	251,093,000	641%	RPS	11/5/2009
60909	Geothermal 1, Unit 2	Geothermal	915,000	2,171,000	12,899,000	203,530,000	1173%	RPS	11/5/2009
60910	Geothermal 2, Unit 3	Geothermal	30,000	0	5,332,000	84,630,000	1478%	RPS	11/5/2009
60911	Geothermal 2, Unit 4	Geothermal	16,052,000	25,541,000	19,467,000	306,858,000	403%	RPS	11/5/2009
61034	Elkhorn Valley Wind Farm	Wind	40,800,000	0	0	312,848,000	667%	EIA	11/20/2007

Commerce Energy, Inc., RPS Procurement Claims Analysis

2008 RPS Procurement Claims

CEC RPS ID Number[1]	Facility Name[2]	Fuel Type[3]	Annual Generation Procured (kWh)[4]	RPS Claims by Other Retail Sellers (kWh)[5]	Procurement Reported to PSDP/ Voluntary Programs (kWh)[6]	Generation Data Compared With Procurement (kWh)[7]	% Difference Between Generation and Procurement[8]	Generation Data Source[9]	Facility's Beginning On Date[10]
60005	Calpine Geothermal Unit 13	Geothermal	4,634,000	390,274,265	22,053	435,641,000	10%	EAO	6/14/2004
60009	Calpine Geothermal Unit 20	Geothermal	1,504,000	254,792,614	83,087	358,231,000	40%	EAO	6/14/2004
60117	Calistoga Power Plant	Geothermal	3,235,000	538,544,494	0	555,134,000	2%	EIA	12/17/2004

2009 RPS Procurement Claims

CEC RPS ID Number[1]	Facility Name[2]	Fuel Type[3]	Annual Generation Procured (kWh)[4]	RPS Claims by Other Retail Sellers (kWh)[5]	Procurement Reported to PSDP/ Voluntary Programs (kWh)[6]	Generation Data Compared With Procurement (kWh)[7]	% Difference Between Generation and Procurement[8]	Generation Data Source[9]	Facility's Beginning On Date[10]
60004	Calpine Geothermal Unit 12	Geothermal	3,648,000	422,165,000	0	425,812,000	0%	EAO	6/14/2004
60005	Calpine Geothermal Unit 13	Geothermal	12,912,000	458,711,000	1,729	484,391,000	3%	EAO	6/14/2004
60007	Calpine Geothermal Unit 17	Geothermal	454,000	369,916,000	32,016	402,386,000	9%	EAO	6/14/2004
60009	Calpine Geothermal Unit 20	Geothermal	1,488,000	303,604,000	36,883	341,974,000	12%	EAO	6/14/2004
60117	Calistoga Power Plant	Geothermal	7,584,000	462,588,000	0	493,339,000	5%	EAO	12/17/2004

60026	Calpine Geothermal Unit 14	Geothermal	372,000	420,607,000	0	420,978,000	0%	EAO	6/14/2004
60071	Tulloch Powerhouse	Small Hydro	12,528,000	73,396,000	0	95,374,000	11%	EAO	12/27/2004

2010 RPS Procurement Claims

CEC RPS ID Number[1]	Facility Name[2]	Fuel Type[3]	Annual Generation Procured (kWh)[4]	RPS Claims by Other Retail Sellers (kWh)[5]	Procurement Reported to PSDP/ Voluntary Programs (kWh)[6]	Generation Data Compared With Procurement (kWh)[7]	% Difference Between Generation and Procurement[8]	Generation Data Source[9]	Facility's Beginning On Date[10]
60942	Cassia Gulch Facility	Wind	34,800,000	0	0	45,889,000	32%	RPS	11/25/2009
60943	Cassia Wind Facility	Wind	15,000,000	0	0	26,268,000	75%	RPS	11/25/2009
60991	Tuolumne Wind Project	Wind	24,400,000	0	302,151,000	376,519,000	15%	EIA	7/13/2007

Constellation NewEnergy, Inc. RPS Procurement Claims Analysis

2008 RPS Procurement Claims

CEC RPS ID Number[1]	Facility Name[2]	Fuel Type[3]	Annual Generation Procured (kWh)[4]	RPS Claims by Other Retail Sellers (kWh)[5]	Procurement Reported to PSDP/ Voluntary Programs (kWh)[6]	Generation Data Compared With Procurement (kWh)[7]	% Difference Between Generation and Procurement[8]	Generation Data Source[9]	Facility's Beginning On Date[10]
60004	Calpine Geothermal Unit 12	Geothermal	1,905,000	379,270,930	7,986	389,217,000	2%	EAO	6/14/2004
60005	Calpine Geothermal Unit 13	Geothermal	5,147,000	389,761,265	22,053	435,641,000	10%	EAO	6/14/2004
60008	Calpine Geothermal Unit 18	Geothermal	393,000	386,133,511	19,803	406,347,000	5%	EAO	6/14/2004
60009	Calpine Geothermal Unit 20	Geothermal	25,342,000	230,954,614	83,087	358,231,000	40%	EAO	6/14/2004
60010	Sonoma/Calpine Geyser	Geothermal	2,265,000	76,998,000	260,016	341,543,000	329%	EAO	6/14/2004
60025	Calpine Geothermal Unit 11	Geothermal	44,508,000	399,723,948	46,256	512,842,000	15%	EAO	6/14/2004
60117	Calistoga Power Plant	Geothermal	27,206,000	514,573,494	0	555,134,000	2%	EIA	12/17/2004
60553	Rattlesnake Road Wind Farm	Wind	4,681,000	4,837,000	0	9,518,900	0%	RPS	11/27/2006
60721[A]	White Creek Wind I	Wind	78,756,000	77,429,000	0	643,486,600	312%	RPS	2/28/2008

A A portion of the procurement claim from White Creek Wind 1 (RPS ID 60721) was determined ineligible for the RPS due to the procurement of energy without RECs. Only 68,665,000 kWh of the total procurement claim is eligible for the RPS. This claim was also initially considered a pending claim due to outstanding issues regarding energy delivery. However, in support of staff's recommendation, the Energy Commission accepted this claim as RPS-eligible at the November 14, 2013 Business Meeting.

2009 RPS Procurement Claims

CEC RPS ID Number[1]	Facility Name[2]	Fuel Type[3]	Annual Generation Procured (kWh)[4]	RPS Claims by Other Retail Sellers (kWh)[5]	Procurement Reported to PSDP/ Voluntary Programs (kWh)[6]	Generation Data Compared With Procurement (kWh)[7]	% Difference Between Generation and Procurement[8]	Generation Data Source[9]	Facility's Beginning On Date[10]
60505	Mid-Valley	Landfill Gas	9,493,000	4,510,000	0	13,415,000	-4%	EAO	6/27/2006
60506	Milliken	Landfill Gas	8,150,000	3,570,000	0	12,542,000	7%	EAO	6/27/2006
60071	Tulloch Powerhouse	Small Hydro	52,654,000	39,892,000	0	95,374,000	3%	EAO	12/27/2004
60072	Beardsley Powerhouse	Small Hydro	31,569,000	28,086,000	0	59,753,000	0%	EIA	12/27/2004
60562[A]	Leaning Juniper	Wind	12,162,000	172,474,000	0	258,672,000	40%	EIA	11/1/2006
60564[B]	Wolverine Creek	Wind	10,920,000	80,954,000	0	153,791,000	67%	EIA	6/7/2007
60721	White Creek Wind I	Wind	120,219,000	200,763,000	5,366,000	551,471,000	69%	EIA	2/28/2008
60724	Hay Canyon Wind	Wind	23,537,000	0	0	198,472,000	743%	EIA	9/8/2008
60729[C]	Marengo	Wind	26,792,000	188,986,000	0	474,831,000	120%	EIA	10/21/2008
60730[D]	Marengo II	Wind	13,407,000	93,225,000	0	474,831,000	345%	EIA	10/21/2008
60743	Blue Trail Wind Farm	Wind	27,463,000	0	0	27,463,740	0%	RPS	12/3/2008
60750[E]	Wheat Field Wind Farm	Wind	31,400,000	142,978,000	0	173,576,000	0%	EIA	12/12/2008
60775[F]	Spring Canyon Energy	Wind	109,868,000	0	0	197,114,140	79%	RPS	1/30/2009
60776[G]	Big Horn Wind Project	Wind	98,891,000	75,000,000	69,075,000	512,480,560	111%	EIA	1/5/2009
60803	Nine Canyon Wind Project-Nine Canyon Phase 3	Wind	6,904,000	0	0	233,636,000	3284%	EIA	1/9/2009
60804[H]	Glenrock III	Wind	7,618,000	34,558,000	0	337,581,000	700%	EIA	2/5/2009
60805[I]	Glenrock I	Wind	53,038,000	64,513,000	0	337,581,000	187%	EIA	2/5/2009

60806[J]	Rolling Hills	Wind	128,483,000	27,877,000	0	206,185,000	32%	EIA	1/26/2009
60816[K]	Peetz Table Wind Energy Center	Wind	137,963,000	0	0	640,107,000	364%	EIA	2/12/2009
60817[L]	Logan Wind Energy	Wind	176,244,000	0	0	612,446,000	247%	EIA	2/12/2009
60819[M]	Goodnoe Hills	Wind	4,529,000	3,133,000	0	229,035,000	2889%	EIA	4/22/2009

A CNE requested that 703,169 kWh of the procurement claim from Leaning Juniper (RPS ID 60562) be withdrawn RPS procurement due to having insufficient delivery.

B CNE requested that 631,361 kWh of the procurement claim from Wolverine Creek (RPS ID 60564) be withdrawn RPS procurement due to having insufficient delivery.

C CNE requested that 1,549,031 kWh of the procurement claim from Marengo (RPS ID 60729) be withdrawn RPS procurement due to having insufficient delivery.

D CNE requested that 775,151 kWh of the procurement claim from Marengo II (RPS ID 60730) be withdrawn RPS procurement due to having insufficient delivery.

E This claim was initially considered a pending claim due to outstanding issues regarding energy delivery. However, in support of staff's recommendation, the Energy Commission accepted this claim as RPS-eligible at the November 14, 2013 Business Meeting.

F CNE requested that 3,686,000 kWh of the procurement claim from Spring Canyon Energy (RPS ID 60775) be withdrawn RPS procurement due to having insufficient delivery.

G This claim was initially considered a pending claim due to outstanding issues regarding energy delivery. However, in support of staff's recommendation, the Energy Commission accepted this claim as RPS-eligible at the November 14, 2013 Business Meeting.

H CNE requested that 440,449 kWh of the procurement claim from Glenrock III (RPS ID 60804) be withdrawn RPS procurement due to having insufficient delivery.

I CNE requested that 3,066,494 kWh of the procurement claim from Glenrock I (RPS ID 60805) be withdrawn RPS procurement due to having insufficient delivery.

J CNE requested that 7,428,491 kWh of the procurement claim from Rolling Hills (RPS ID 60806) be withdrawn RPS procurement due to having insufficient delivery.

K CNE requested that 63,000 kWh of the procurement claim from Peetz Table Wind Energy (RPS ID 60816) be withdrawn RPS procurement due to having insufficient delivery.

L CNE requested that 3,055,000 kWh of the procurement claim from Logan Wind Energy (RPS ID 60817) be withdrawn RPS procurement due to having insufficient delivery.

M CNE requested that 261,853 kWh of the procurement claim from Goodnoe Hills (RPS ID 60816) be withdrawn RPS procurement due to having insufficient delivery. This claim was also initially considered a pending claim due to outstanding issues regarding energy delivery. However, in support of staff's recommendation, the Energy Commission accepted this claim as RPS-eligible at the November 14, 2013 Business Meeting.

2010 RPS Procurement Claims

CEC RPS ID Number[1]	Facility Name[2]	Fuel Type[3]	Annual Generation Procured (kWh)[4]	RPS Claims by Other Retail Sellers (kWh)[5]	Procurement Reported to PSDP/ Voluntary Programs (kWh)[6]	Generation Data Compared With Procurement (kWh)[7]	% Difference Between Generation and Procurement[8]	Generation Data Source[9]	Facility's Beginning On Date[10]
60739	Evergreen BioPower LLC	Biomass	42,923,000	0	0	42,925,000	0%	RPS	11/25/2008
60721	White Creek Wind I	Wind	116,268,000	140,998,000	0	532,124,000	107%	EIA	2/28/2008
60743	Blue Trail Wind Farm	Wind	100,000,000	0	0	152,461,640	52%	RPS	12/3/2008
60822	Cedar Creek Wind Energy	Wind	37,174,000	449,590,000	0	841,207,317	73%	RPS	2/12/2009
60890	Star Point Wind Project	Wind	30,983,000	0	151,097,000	219,793,000	21%	EIA	9/29/2009
60944	Vansycle II Wind Energy Center	Wind	203,845,000	0	26,638,000	261,094,000	13%	EIA	12/1/2009

Direct Energy Business, LLC RPS Procurement Claims Analysis

2008 RPS Procurement Claims

CEC RPS ID Number[1]	Facility Name[2]	Fuel Type[3]	Annual Generation Procured (kWh)[4]	RPS Claims by Other Retail Sellers (kWh)[5]	Procurement Reported to PSDP/ Voluntary Programs (kWh)[6]	Generation Data Compared With Procurement (kWh)[7]	% Difference Between Generation and Procurement[8]	Generation Data Source[9]	Facility's Beginning On Date[10]
60721[A]	White Creek Wind I	Wind	84,877,000	84,835,000	0	643,486,600	279%	RPS	2/28/2008
A This claim was initially considered a pending claim due to outstanding issues regarding energy delivery. However, in support of staff's recommendation, the Energy Commission accepted this claim as RPS-eligible at the November 14, 2013 Business Meeting.									

2009 RPS Procurement Claims

CEC RPS ID Number[1]	Facility Name[2]	Fuel Type[3]	Annual Generation Procured (kWh)[4]	RPS Claims by Other Retail Sellers (kWh)[5]	Procurement Reported to PSDP/ Voluntary Programs (kWh)[6]	Generation Data Compared With Procurement (kWh)[7]	% Difference Between Generation and Procurement[8]	Generation Data Source[9]	Facility's Beginning On Date[10]
60473	El Nido	Biomass	3,737,000	44,577,000	498,000	48,811,707	0%	RPS	7/25/2005
60005	Calpine Geothermal Unit 13	Geothermal	5,518,000	463,611,000	1,729	484,391,000	3%	EAO	6/14/2004
60009	Calpine Geothermal Unit 20	Geothermal	71,016,000	234,076,000	36,883	341,974,000	12%	EAO	6/14/2004
60010	Sonoma/Calpine Geyser	Geothermal	36,288,000	206,654,000	56,488	299,430,000	23%	EAO	6/14/2004
60025	Calpine Geothermal Unit 11	Geothermal	243,000	506,935,000	17,644	524,822,000	3%	EAO	6/14/2004
60071	Tulloch Powerhouse	Small	20,742,000	71,804,000	0	95,374,000	3%	EAO	12/27/2004

		Hydro							
60072	Beardsley Powerhouse	Small Hydro	12,963,000	46,692,000	0	59,753,000	0%	EIA	12/27/2004
60721	White Creek Wind I	Wind	144,102,000	176,880,000	5,366,000	551,471,000	69%	EIA	2/28/2008
60745	Hopkins Ridge Wind Project	Wind	7,000,000	304,218,000	0	379,078,000	22%	EIA	8/26/2009
60750	Wheat Field Wind Farm	Wind	142,978,000	31,400,000	0	173,576,000	0%	EIA	12/12/2008

2010 RPS Procurement Claims

CEC RPS ID Number[1]	Facility Name[2]	Fuel Type[3]	Annual Generation Procured (kWh)[4]	RPS Claims by Other Retail Sellers (kWh)[5]	Procurement Reported to PSDP/ Voluntary Programs (kWh)[6]	Generation Data Compared With Procurement (kWh)[7]	% Difference Between Generation and Procurement[8]	Generation Data Source[9]	Facility's Beginning On Date[10]
60071	Tulloch Powerhouse	Small Hydro	94,324,000	0	0	95,627,030	1%	EAO	12/27/2004
60072	Beardsley Powerhouse	Small Hydro	54,608,000	0	0	54,763,000	0%	EAO	12/27/2004
60721	White Creek Wind I	Wind	89,197,000	168,069,000	0	532,124,000	107%	EIA	2/28/2008
60857	Harvest Wind Project	Wind	55,090,000	10,023,000	0	253,377,000	289%	EIA	8/26/2009

Marin Energy Authority RPS Procurement Claims Analysis

2010 RPS Procurement Claims

CEC RPS ID Number[1]	Facility Name[2]	Fuel Type[3]	Annual Generation Procured (kWh)[4]	RPS Claims by Other Retail Sellers (kWh)[5]	Procurement Reported to PSDP/ Voluntary Programs (kWh)[6]	Generation Data Compared With Procurement (kWh)[7]	% Difference Between Generation and Procurement[8]	Generation Data Source[9]	Facility's Beginning On Date[10]
60994	Columbia Ridge Landfill Electric Generating Facility	Landfill Gas	19,265,000	9,953,000	0	50,955,000	74%	RPS	1/14/2010
60803	Nine Canyon Wind Project-Nine Canyon Phase 3	Wind	4,917,000	0	0	222,903,000	4433%	EIA	1/9/2009

Noble Americas Energy Solutions LLC RPS Procurement Claims Analysis

2008 RPS Procurement Claims

CEC RPS ID Number[1]	Facility Name[2]	Fuel Type[3]	Annual Generation Procured (kWh)[4]	RPS Claims by Other Retail Sellers (kWh)[5]	Procurement Reported to PSDP/ Voluntary Programs (kWh)[6]	Generation Data Compared With Procurement (kWh)[7]	% Difference Between Generation and Procurement[8]	Generation Data Source[9]	Facility's Beginning On Date[10]
60520	Angels Unit	Conduit Hydro	4,957,000	0	0	4,957,000	0%	EIA	4/19/2006
60521	Murphys Unit	Conduit Hydro	12,867,000	0	0	12,868,000	0%	EIA	4/19/2006
60006	Calpine Geothermal Unit 16	Geothermal	8,059,000	416,397,610	0	424,557,000	0%	EAO	6/14/2004
60009	Calpine Geothermal Unit 20	Geothermal	3,850,000	252,446,614	83,087	358,231,000	40%	EAO	6/14/2004
60025	Calpine Geothermal Unit 11	Geothermal	8,179,000	436,052,948	46,256	512,842,000	15%	EAO	6/14/2004
60601	El Dorado Powerhouse (Akin Powerhouse)	Small Hydro	60,253,000	0	0	60,253,593	0%	RPS	2/23/2007

2009 RPS Procurement Claims

CEC RPS ID Number[1]	Facility Name[2]	Fuel Type[3]	Annual Generation Procured (kWh)[4]	RPS Claims by Other Retail Sellers (kWh)[5]	Procurement Reported to PSDP/ Voluntary Programs (kWh)[6]	Generation Data Compared With Procurement (kWh)[7]	% Difference Between Generation and Procurement[8]	Generation Data Source[9]	Facility's Beginning On Date[10]
60520	Angels Unit	Conduit Hydro	6,197,000	0	0	6,195,000	0%	EIA	4/19/2006
60521	Murphys Unit	Conduit Hydro	15,480,000	0	0	15,479,000	0%	EIA	4/19/2006
60005	Calpine Geothermal Unit 13	Geothermal	11,427,000	457,702,000	1,729	484,391,000	3%	EAO	6/14/2004
60007	Calpine Geothermal Unit 17	Geothermal	7,991,000	362,379,000	32,016	402,386,000	9%	EAO	6/14/2004
60008	Calpine Geothermal Unit 18	Geothermal	14,990,000	337,734,000	38,600	394,321,000	12%	EAO	6/14/2004
60009	Calpine Geothermal Unit 20	Geothermal	54,496,000	250,596,000	36,883	341,974,000	12%	EAO	6/14/2004
60010	Sonoma/Calpine Geyser	Geothermal	89,293,000	153,649,000	56,488	299,430,000	23%	EAO	6/14/2004
60025	Calpine Geothermal Unit 11	Geothermal	9,264,000	497,914,000	17,644	524,822,000	3%	EAO	6/14/2004
60117	Calistoga Power Plant	Geothermal	24,494,000	438,094,000	0	493,339,000	7%	EAO	12/17/2004
60601	El Dorado Powerhouse (Akin Powerhouse)	Small Hydro	73,500,000	0	0	73,259,174	0%	RPS	2/23/2007

2010 RPS Procurement Claims

CEC RPS ID Number[1]	Facility Name[2]	Fuel Type[3]	Annual Generation Procured (kWh)[4]	RPS Claims by Other Retail Sellers (kWh)[5]	Procurement Reported to PSDP/ Voluntary Programs (kWh)[6]	Generation Data Compared With Procurement (kWh)[7]	% Difference Between Generation and Procurement[8]	Generation Data Source[9]	Facility's Beginning On Date[10]
61064	Pastoria Energy Facility	Biogas	13,296,000	8,166,000	0	4,383,185,000	20323%	EIA	4/20/2010
60520	Angels Unit	Conduit Hydro	6,658,000	0	0	6,658,000	0%	EAO	4/19/2006
60521	Murphys Unit	Conduit Hydro	16,328,000	0	0	16,327,000	0%	EAO	4/19/2006
60008	Calpine Geothermal Unit 18	Geothermal	7,462,000	374,311,000	0	381,773,000	0%	EAO	6/14/2004
60009	Calpine Geothermal Unit 20	Geothermal	8,441,000	321,225,000	0	329,676,000	0%	EAO	6/14/2004
60010	Sonoma/Calpine Geyser	Geothermal	67,573,000	241,477,000	0	309,051,000	0%	EAO	6/14/2004
60866	Calabasas Gas-To-Energy Facility	Landfill Gas	19,271,000	0	0	19,271,000	0%	Inv	12/7/2009
60601	El Dorado Powerhouse (Akin Powerhouse)	Small Hydro	36,062,000	33,605,000	0	79,792,664	15%	RPS	2/23/2007
60816	Peetz Table Wind Energy Center	Wind	65,255,000	154,059,000	0	618,409,495	182%	RPS	2/12/2009
60817	Logan Wind Energy	Wind	128,527,000	72,358,000	0	582,146,000	190%	EIA	2/12/2009
60822	Cedar Creek Wind Energy	Wind	449,590,000	37,174,000	0	841,207,317	73%	RPS	2/12/2009
60898	Northern Colorado Wind 1	Wind	104,639,000	0	35,412,000	432,413,017	209%	RPS	10/7/2009

Pilot Power Group, Inc. RPS Procurement Claims Analysis

2008 RPS Procurement Claims

CEC RPS ID Number[1]	Facility Name[2]	Fuel Type[3]	Annual Generation Procured (kWh)[4]	RPS Claims by Other Retail Sellers (kWh)[5]	Procurement Reported to PSDP/ Voluntary Programs (kWh)[6]	Generation Data Compared With Procurement (kWh)[7]	% Difference Between Generation and Procurement[8]	Generation Data Source[9]	Facility's Beginning On Date[10]
60480	MM Lopez Energy LLC	Landfill Gas	47,642,900	0	0	47,188,000	-1%	EIA	9/8/2005

2009 RPS Procurement Claims

CEC RPS ID Number[1]	Facility Name[2]	Fuel Type[3]	Annual Generation Procured (kWh)[4]	RPS Claims by Other Retail Sellers (kWh)[5]	Procurement Reported to PSDP/ Voluntary Programs (kWh)[6]	Generation Data Compared With Procurement (kWh)[7]	% Difference Between Generation and Procurement[8]	Generation Data Source[9]	Facility's Beginning On Date[10]
60480	MM Lopez Energy LLC	Landfill Gas	47,546,000	0	0	47,475,000	0%	EIA	9/8/2005
60745[A]	Hopkins Ridge Wind Project	Wind	43,000,000	268,218,000	120,000,000	379,078,000	-12%	EIA	11/26/2008
A Pilot Power has requested that this procurement claim be withdrawn due to the procurement being claimed before the contract execution date. Therefore, the procurement claim amount of 43,000,000 kWh is not included in Pilot Power's Procurement Eligible Toward the RPS reported in the Summary of RPS Procurement table in Chapter 4 of this report.									

2010 RPS Procurement Claims

CEC RPS ID Number[1]	Facility Name[2]	Fuel Type[3]	Annual Generation Procured (kWh)[4]	RPS Claims by Other Retail Sellers (kWh)[5]	Procurement Reported to PSDP/ Voluntary Programs (kWh)[6]	Generation Data Compared With Procurement (kWh)[7]	% Difference Between Generation and Procurement[8]	Generation Data Source[9]	Facility's Beginning On Date[10]
61064	Pastoria Energy Facility	Biogas	8,166,000	0	13,296,000	4,383,185,000	20323%	EIA	4/20/2010
60908	Geothermal 1, Unit 1	Geothermal	8,913,000	9,043,000	15,936,000	251,093,000	641%	RPS	11/5/2009
60909	Geothermal 1, Unit 2	Geothermal	2,171,000	915,000	12,899,000	203,530,000	1173%	RPS	11/5/2009
60911	Geothermal 2, Unit 4	Geothermal	25,541,000	16,052,000	19,467,000	306,858,000	403%	RPS	11/5/2009
60480	MM Lopez Energy LLC	Landfill Gas	46,648,000	0	0	46,625,000	0%	EAO	9/8/2005
60505	Mid-Valley	Landfill Gas	13,833,000	0	0	13,314,000	-4%	EAO	6/27/2006
60506	Milliken	Landfill Gas	12,131,000	0	0	11,703,000	-4%	EAO	6/27/2006
60602 & 60694	Klondike Wind Power III & Klondike Wind Power IIIA	Wind	9,702,000	545,594,000	0	735,364,000	32%	EIA	7/5/2007 & 5/2/2008
60857	Harvest Wind Project	Wind	10,023,000	55,090,000	0	253,377,000	289%	EIA	8/26/2009

Praxair Plainfield, Inc. RPS Procurement Claims Analysis

2008 RPS Procurement Claims

CEC RPS ID Number[1]	Facility Name[2]	Fuel Type[3]	Annual Generation Procured (kWh)[4]	RPS Claims by Other Retail Sellers (kWh)[5]	Procurement Reported to PSDP/ Voluntary Programs (kWh)[6]	Generation Data Compared With Procurement (kWh)[7]	% Difference Between Generation and Procurement[8]	Generation Data Source[9]	Facility's Beginning On Date[10]
60471	Chowchilla II	Biomass	3,680,000	13,444,000	0	20,702,000	21%	EAO	7/25/2005
60471	El Nido	Biomass	20,000	10,188,000	0	14,502,000	42%	EAO	7/25/2005

Shell Energy RPS Procurement Claims Analysis

2008 RPS Procurement Claims

CEC RPS ID Number[1]	Facility Name[2]	Fuel Type[3]	Annual Generation Procured (kWh)[4]	2008 Vintage Procurement Claimed in 2010 (kWh)*	RPS Claims by Other Retail Sellers (kWh)[5]	Procurement Reported to PSDP/ Voluntary Programs (kWh)[6]	Generation Data Compared With Procurement (kWh)[7]	% Difference Between Generation and Procurement[8]	Generation Data Source[9]	Facility's Beginning On Date[10]
60505	Mid-Valley	Landfill Gas	4,510,000		0	0	13,048,000	189%	EAO	6/27/2006
60506	Milliken	Landfill Gas	3,570,000		0	0	9,030,000	153%	EAO	6/27/2006
60721[A]	White Creek Wind I	Wind	1,171,000	4,908,000	150,106,000	0	643,486,600	312%	RPS	2/28/2008

*The amount shown in this column is 2008 vintage procurement that is being claimed in 2010.

A This claim was initially considered a pending claim due to outstanding issues regarding energy delivery. However, in support of staff's recommendation, the Energy Commission accepted this claim as RPS-eligible at the November 14, 2013 Business Meeting.

2009 RPS Procurement Claims

CEC RPS ID Number[1]	Facility Name[2]	Fuel Type[3]	Annual Generation Procured (kWh)[4]	2009 Vintage Procurement Claimed in 2010 (kWh)*	RPS Claims by Other Retail Sellers (kWh)[5]	Procurement Reported to PSDP/ Voluntary Programs (kWh)[6]	Generation Data Compared With Procurement (kWh)[7]	% Difference Between Generation and Procurement[8]	Generation Data Source[9]	Facility's Beginning On Date[10]
60602 & 60694[A]	Klondike Wind Power III & Klondike Wind Power IIIA	Wind	15,882,000	116,527,000	440,123,000	0	766,641,850	34%	EIA	7/5/2007 & 5/2/2008
60721[B]	White Creek Wind I	Wind	3,195,000		316,616,000	5,366,000	551,471,000	70%	EIA	2/28/2008

*The amount shown in this column is 2009 vintage procurement that is being claimed in 2010.

A This claim was initially considered a pending claim due to outstanding issues regarding energy delivery. However, in support of staff's recommendation, the Energy Commission accepted this claim as RPS-eligible at the November 14, 2013 Business Meeting.

B This claim was initially considered a pending claim due to outstanding issues regarding energy delivery. However, in support of staff's recommendation, the Energy Commission accepted this claim as RPS-eligible at the November 14, 2013 Business Meeting.

2008 Vintage RPS Procurement Claimed in 2010

CEC RPS ID[1]	Facility Name[2]	Fuel Type[3]	Annual Generation Procured (kWh)[4]	2008 & 2009 Vintage Procurement Claimed in Year of Generation (kWh)*	RPS Claims by Other Retail Sellers (kWh)[5]	Procurement Reported to PSDP/ Voluntary Programs (kWh)[6]	Generation Data Compared With Procurement (kWh)[7]	% Difference Between Generation and Procurement[8]	Generation Data Source[9]	Facility's Beginning On Date[10]	Vinatge Year**
60721[A]	White Creek Wind I	Wind	4,908,000	1,171,000	150,106,000	0	643,486,600	312%	EIA	2/28/2008	2008
60736	Cabazon Wind Partners	Wind	9,623,000	0	0	0	114,780,000	1093%	EIA	11/19/2008	2008
60737	Whitewater Hill Wind Partners	Wind	7,459,000	0	0	0	146,035,000	1858%	EIA	11/19/2008	2008

2009 Vintage RPS Procurement Claimed in 2010

CEC RPS ID[1]	Facility Name[2]	Fuel Type[3]	Annual Generation Procured (kWh)[4]	2008 & 2009 Vintage Procurement Claimed in Year of Generation (kWh)*	RPS Claims by Other Retail Sellers (kWh)[5]	Procurement Reported to PSDP/ Voluntary Programs (kWh)[6]	Generation Data Compared With Procurement (kWh)[7]	% Difference Between Generation and Procurement[8]	Generation Data Source[9]	Facility's Beginning On Date[10]	Vinatge Year**
60071	Tulloch Powerhouse	Small Hydro	6,622,000	0	85,924,000	0	95,374,000	3%	EAO	12/27/2004	2009
60072	Beardsley Powerhouse	Small Hydro	15,123,000	0	44,532,000	0	59,753,000	0%	EAO	12/27/2004	2009
60857[B]	Harvest Wind Project	Wind	1,145,000	0	0	0				8/26/2009	2009
60602 & 60694[C]	Klondike Wind Power III & Klondike Wind Power IIIA	Wind	116,527,000	15,882,000	440,123,000		766,641,850	34%	EIA	7/5/2007 & 5/2/2008	2009

RPS Procurement Claimed in 2010

CEC RPS ID Number[1]	Facility Name[2]	Fuel Type[3]	Annual Generation Procured (kWh)[4]	2008 & 2009 Vintage Procurement Claimed in Year of Generation (kWh)*	RPS Claims by Other Retail Sellers (kWh)[5]	Procurement Reported to PSDP/ Voluntary Programs (kWh)[6]	Generation Data Compared With Procurement (kWh)[7]	% Difference Between Generation and Procurement[8]	Generation Data Source[9]	Facility's Beginning On Date[10]	Vinatge Year**
60994	Columbia Ridge Landfill Electric Generating Facility	Biogas	9,953,000	0	19,265,000	0	50,955,000	74%	RPS	1/14/2010	2010
60775	Spring Canyon Energy	Wind	34,626,000	0	0	0	202,348,663	484%	RPS	1/30/2009	2010
60816	Peetz Table Wind Energy Center	Wind	154,059,000	0	65,255,000	0	618,409,495	182%	RPS	2/12/2009	2010
60817	Logan Wind Energy	Wind	72,358,000	0	128,527,000	0	582,146,000	190%	EIA	2/12/2009	2010
60818	Twin Buttes Wind	Wind	56,915,000	0	0		269,833,127	374%	RPS	3/5/2009	2010
60857	Harvest Wind Project	Wind	25,975,000	0	66,258,000	0	253,377,000	175%	EIA	8/27/2009	2010

60897	Northern Colorado Wind II	Wind	35,412,000	0	0	0	72,668,514	105%	RPS	10/14/2009	2010
*The amount shown in this column is 2008 and 2009 vintage procurement that is being claimed for the year in which the procurement was generated.											
**This is the year in which the procurement was generated.											
A This claim was initially considered a pending claim due to outstanding issues regarding energy delivery. However, in support of staff's recommendation, the Energy Commission accepted this claim as RPS-eligible at the November 14, 2013 Business Meeting.											
B This claim was initially considered a pending claim due to outstanding issues regarding energy delivery. However, in support of staff's recommendation, the Energy Commission accepted this claim as RPS-eligible at the November 14, 2013 Business Meeting.											
C This claim was initially considered a pending claim due to outstanding issues regarding energy delivery. However, in support of staff's recommendation, the Energy Commission accepted this claim as RPS-eligible at the November 14, 2013 Business Meeting.											

PacifiCorp RPS Procurement Claims Analysis

2008 RPS Procurement Claims

CEC RPS ID Number[1]	Facility Name[2]	Fuel Type[3]	Annual Generation Procured (kWh)[4]	RPS Claims by Other Retail Sellers (kWh)[5]	Procurement Reported to PSDP/ Voluntary Programs (kWh)[6]	Generation Data Compared With Procurement (kWh)[7]	% Difference Between Generation and Procurement[8]	Generation Data Source[9]	Facility's Beginning On Date[10]
60510	Dillard Cogeneration Facility	Biomass	2,426,077	0	0	172,563,430	7013%	RPS	6/12/2006
60509	Eagle Point	Conduit Hydro	304,000	0	0	17,350,000	5607%	EIA	7/19/2006
60537	Copco 1	Conduit Hydro	1,708,000	0	0	97,312,000	5597%	EIA	11/1/2006
60538	Copco 2	Conduit Hydro	2,109,000	0	0	120,286,000	5603%	EIA	11/1/2006
60540	Iron Gate	Conduit Hydro	2,200,000	0	0	125,383,000	5599%	EIA	11/1/2006
60582*	Fountain Green	Conduit Hydro	8,000	0	0	N/A	N/A	No Data	10/27/2006
60583	Granite	Conduit Hydro	110,000	0	0	6,341,000	5665%	EIA	10/27/2006
60584*	Gunlock	Conduit Hydro	16,000	0	0	N/A	N/A	No Data	10/27/2006
60588*	Sand Cove	Conduit Hydro	15,000	0	0	N/A	N/A	No Data	10/27/2006
60593*	Veyo	Conduit Hydro	12,000	0	0	N/A	N/A	No Data	10/27/2006
60594	Viva Naughton	Conduit	13,000	0	0	6,819,000	52354%	EIA	10/27/2006

		Hydro							
60779*	Ralphs Ranch	Conduit Hydro	240,060	0	0	N/A	N/A	No Data	4/27/2009
60780*	Bogus Creek - Lower Cold Springs	Conduit Hydro	769,905	0	0	N/A	N/A	No Data	4/27/2009
60781*	Bogus Creek - Upper Cold Springs	Conduit Hydro	165,959	0	0	N/A	N/A	No Data	4/27/2009
60782*	Luckey, Paul	Conduit Hydro	286,160	0	0	N/A	N/A	No Data	4/27/2009
60820	Blundell I	Geothermal	3,289,000	0	0	254,277,000	7631%	EIA	5/1/2009
60821	Blundell II	Geothermal	1,172,000	0	0	254,277,000	21596%	EIA	5/1/2009
60507	Clearwater 1	Small Hydro	741,000	0	0	104,503,000	14003%	EAO	7/19/2006
60508	Clearwater 2	Small Hydro	761,000	0	0	43,375,000	5600%	EIA	7/19/2006
60513	Fish Creek	Small Hydro	571,000	0	0	32,544,000	5599%	EIA	7/19/2006
60514	Prospect 3	Small Hydro	720,000	0	0	41,051,000	5602%	EIA	7/19/2006
60515	Slide Creek	Small Hydro	1,570,000	0	0	89,523,000	5602%	EIA	7/19/2006
60516	Soda Springs	Small Hydro	996,000	0	0	56,787,000	5602%	EIA	7/19/2006
60517	Wallowa Falls	Small Hydro	118,000	0	0	6,819,000	5679%	EIA	7/19/2006
60522	Bend	Small Hydro	52,000	0	0	2,917,000	5510%	EIA	10/19/2006
60523	Condit	Small Hydro	1,523,928	0	0	86,883,000	5601%	EIA	10/19/2006

60524	Eastside	Small Hydro	94,000	0	0	5,350,000	5591%	EIA	10/19/2006
60530	Prospect 1	Small Hydro	579,000	0	0	33,064,000	5611%	EIA	10/19/2006
60531	Prospect 4	Small Hydro	106,000	0	0	6,034,000	5592%	EIA	10/19/2006
60532*	Westside	Small Hydro	12,980	0	0	N/A	N/A	No Data	10/19/2006
60539	Fall Creek	Small Hydro	240,000	0	0	13,723,000	5618%	EIA	11/1/2006
60578	Ashton	Small Hydro	562,000	0	0	32,051,000	5603%	EIA	10/27/2006
60579	Big Fork	Small Hydro	484,000	0	0	27,562,000	5595%	EIA	10/27/2006
60581	Cutler	Small Hydro	953,000	0	0	53,882,000	5554%	EIA	10/27/2006
60585	Oneida	Small Hydro	608,000	0	0	34,616,000	5593%	EIA	10/27/2006
60586*	Paris	Small Hydro	40,000	0	0	N/A	N/A	No Data	10/27/2006
60587	Pioneer	Small Hydro	258,000	0	0	14,734,000	5611%	EIA	10/27/2006
60589	Snake Creek	Small Hydro	61,000	0	0	3,406,000	5484%	EIA	10/27/2006
60590	Soda	Small Hydro	253,000	0	0	14,013,000	5439%	EIA	10/27/2006
60591	Stairs	Small Hydro	105,000	0	0	5,921,000	5539%	EIA	10/27/2006
60595	Weber	Small	290,000	0	0	16,470,000	5579%	EIA	10/27/2006

		Hydro							
60777	Slate Creek	Small Hydro	6,646,094	0	0	8,657,000	30%	EAO	4/27/2009
60778*	Lake Siskiyou	Small Hydro	12,312,545	0	0	N/A	N/A	No Data	4/27/2009
60791	Last Chance	Small Hydro	46,000	0	0	2,488,000	5309%	EIA	5/12/2009
60792	Olmstead	Small Hydro	321,000	0	0	18,229,000	5579%	EIA	5/12/2009
60561	Foote Creek 1	Wind	1,125,000	0	0	136,107,000	11998%	EIA	11/1/2006
60562	Leaning Juniper	Wind	5,485,000	0	0	376,243,000	6759%	EIA	11/1/2006
60563*	Rock River 1	Wind	2,753,000	0	0	N/A	N/A	No Data	6/7/2007
60564	Wolverine Creek	Wind	2,987,000	0	0	170,268,000	5600%	EIA	6/7/2007
60729	Marengo	Wind	7,020,000	0	0	478,702,000	6719%	EIA	10/21/2008
60730	Marengo II	Wind	787,000	0	0	478,702,000	60726%	EIA	10/21/2008

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2009 RPS Procurement Claims

CEC RPS ID Number[1]	Facility Name[2]	Fuel Type[3]	Annual Generation Procured (kWh)[4]	RPS Claims by Other Retail Sellers (kWh)[5]	Procurement Reported to PSDP/ Voluntary Programs (kWh)[6]	Generation Data Compared With Procurement (kWh)[7]	% Difference Between Generation and Procurement[8]	Generation Data Source[9]	Facility's Beginning On Date[10]
60510	Dillard Cogeneration Facility	Biomass	2,843,000	0	0	145,580,000	5021%	EIA	6/12/2006
60509	Eagle Point	Conduit Hydro	302,000	0	0	17,375,000	5653%	EIA	7/19/2006
60537	Copco 1	Conduit Hydro	1,386,000	0	0	79,739,000	5653%	EIA	11/1/2006
60538	Copco 2	Conduit Hydro	1,702,000	0	0	97,920,000	5653%	EIA	11/1/2006
60540	Iron Gate	Conduit Hydro	1,958,000	0	0	112,647,000	5653%	EIA	11/1/2006
60582*	Fountain Green	Conduit Hydro	13,000	0	0	N/A	N/A	No Data	10/27/2006
60583	Granite	Conduit Hydro	128,000	0	0	7,339,000	5634%	EIA	10/27/2006
60584*	Gunlock	Conduit Hydro	27,000	0	0	N/A	N/A	No Data	10/27/2006
60588*	Sand Cove	Conduit Hydro	23,000	0	0	N/A	N/A	No Data	10/27/2006
60593*	Veyo	Conduit Hydro	18,000	0	0	N/A	N/A	No Data	10/27/2006
60594	Viva Naughton	Conduit Hydro	15,000	0	0	6,656,000	44273%	EIA	10/27/2006

60779*	Ralphs Ranch	Conduit Hydro	198,480	0	0	N/A	N/A	No Data	4/27/2009
60780*	Bogus Creek - Lower Cold Springs	Conduit Hydro	709,360	0	0	N/A	N/A	No Data	4/27/2009
60781*	Bogus Creek - Upper Cold Springs	Conduit Hydro	296,640	0	0	N/A	N/A	No Data	4/27/2009
60782*	Luckey, Paul	Conduit Hydro	287,400	0	0	N/A	N/A	No Data	4/27/2009
60820	Blundell I	Geothermal	3,404,000	0	0	279,121,000	8100%	EIA	5/1/2009
60821	Blundell II	Geothermal	1,446,000	0	0	279,121,000	19203%	EIA	5/1/2009
60507	Clearwater 1	Small Hydro	621,000	0	0	96,210,000	15393%	EAO	7/19/2006
60508	Clearwater 2	Small Hydro	730,000	0	0	41,993,000	5652%	EIA	7/19/2006
60513	Fish Creek	Small Hydro	581,000	0	0	33,450,000	5657%	EIA	7/19/2006
60514	Prospect 3	Small Hydro	619,000	0	0	35,639,000	5658%	EIA	7/19/2006
60515	Slide Creek	Small Hydro	1,397,000	0	0	80,364,000	5653%	EIA	7/19/2006
60516	Soda Springs	Small Hydro	888,000	0	0	51,112,000	5656%	EIA	7/19/2006
60517	Wallowa Falls	Small Hydro	116,000	0	0	6,656,000	5638%	EIA	7/19/2006
60522	Bend	Small Hydro	55,000	0	0	3,169,000	5662%	EIA	10/19/2006
60523	Condit	Small Hydro	1,421,637	0	0	81,802,000	5654%	EIA	10/19/2006

60524	Eastside	Small Hydro	133,000	0	0	7,656,000	5656%	EIA	10/19/2006
60530	Prospect 1	Small Hydro	504,000	0	0	29,008,000	5656%	EIA	10/19/2006
60531	Prospect 4	Small Hydro	41,000	0	0	2,379,000	5702%	EIA	10/19/2006
60532*	Westside	Small Hydro	18,769	0	0	N/A	N/A	No Data	10/19/2006
60539	Fall Creek	Small Hydro	255,000	0	0	14,701,000	5665%	EIA	11/1/2006
60578	Ashton	Small Hydro	586,000	0	0	33,735,000	5657%	EIA	10/27/2006
60579	Big Fork	Small Hydro	504,000	0	0	28,977,000	5649%	EIA	10/27/2006
60581	Cutler	Small Hydro	1,547,000	0	0	88,528,000	5623%	EIA	10/27/2006
60585	Oneida	Small Hydro	579,000	0	0	33,079,000	5613%	EIA	10/27/2006
60586*	Paris	Small Hydro	49,000	0	0	N/A	N/A	No Data	10/27/2006
60587	Pioneer	Small Hydro	429,000	0	0	24,695,000	5656%	EIA	10/27/2006
60589	Snake Creek	Small Hydro	62,000	0	0	3,588,000	5687%	EIA	10/27/2006
60590	Soda	Small Hydro	216,000	0	0	11,824,000	5374%	EIA	10/27/2006
60591	Stairs	Small Hydro	113,000	0	0	6,477,000	5632%	EIA	10/27/2006

60595	Weber	Small Hydro	263,000	0	0	15,154,000	5662%	EIA	10/27/2006
60777	Slate Creek	Small Hydro	7,860,826	0	0	7,857,000	0%	EAO	4/27/2009
60778*	Lake Siskiyou	Small Hydro	14,593,643	0	0	N/A	N/A	No Data	4/27/2009
60791	Last Chance	Small Hydro	70,000	0	0	4,034,000	5663%	EIA	5/12/2009
60792	Olmstead	Small Hydro	445,000	0	0	25,606,000	5654%	EIA	5/12/2009
60561	Foote Creek 1	Wind	901,000	0	0	110,452,000	12159%	EIA	11/1/2006
60562	Leaning Juniper	Wind	4,497,000	180,139,000	0	258,672,000	40%	EIA	11/1/2006
60563*	Rock River 1	Wind	2,343,000	0	0	N/A	N/A	No Data	6/7/2007
60564	Wolverine Creek	Wind	2,672,000	89,202,000	0	153,791,000	67%	EIA	6/7/2007
60729	Marengo	Wind	5,501,000	210,277,000	0	474,831,000	120%	EIA	10/21/2008
60730	Marengo II	Wind	2,751,000	103,881,000	0	474,831,000	345%	EIA	10/21/2008
60804	Glenrock III	Wind	1,397,000	40,779,000	0	337,581,000	700%	EIA	2/5/2009
60805	Glenrock I	Wind	4,198,000	113,353,000	0	337,581,000	187%	EIA	2/5/2009
60806	Rolling Hills	Wind	3,612,000	152,748,000	0	206,185,000	32%	EIA	1/26/2009
60807	Seven Mile Hill I	Wind	4,761,000	111,803,000	0	369,520,000	217%	EIA	2/12/2009
60808	Seven Mile Hill II	Wind	995,000	22,569,000	0	369,520,000	1468%	EIA	2/12/2009
60811	Mountain Wind I	Wind	1,446,000	0	0	128,331,000	8775%	EIA	5/22/2009
60812	Mountain Wind II	Wind	2,037,000	0	0	202,844,000	9858%	EIA	5/22/2009
60819	Goodnoe Hills	Wind	3,133,000	4,529,000	0	229,035,000	2889%	EIA	4/22/2009
60896*	McFadden Ridge	Wind	353,000	0	0	N/A	N/A	No Data	10/12/2009
60899*	High Plains	Wind	1,263,000	0	0	N/A	N/A	No Data	9/28/2009

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2010 RPS Procurement Claims

CEC RPS ID Number[1]	Facility Name[2]	Fuel Type[3]	Annual Generation Procured (kWh)[4]	RPS Claims by Other Retail Sellers (kWh)[5]	Procurement Reported to PSDP/ Voluntary Programs (kWh)[6]	Generation Data Compared With Procurement (kWh)[7]	% Difference Between Generation and Procurement[8]	Generation Data Source[9]	Facility's Beginning On Date[10]
60501	Weed Generator Project	Biomass	303,000	0	0	302,493	0%	RPS	5/26/2006
60510	Dillard Cogeneration Facility	Biomass	2,851,000	0	0	150,961,000	5195%	EIA	6/12/2006
60509*	Eagle Point	Conduit Hydro	291,000	0	0	N/A	N/A	No Data	7/19/2006
60537	Copco 1	Conduit Hydro	1,142,000	0	0	67,544,000	5815%	EAO	11/1/2006
60538	Copco 2	Conduit Hydro	1,501,000	0	0	88,801,010	5816%	EAO	11/1/2006
60540*	Iron Gate	Conduit Hydro	1,627,000	0	0	N/A	N/A	No Data	11/1/2006
60582*	Fountain Green	Conduit Hydro	11,000	0	0	N/A	N/A	No Data	10/27/2006
60583*	Granite	Conduit Hydro	108,000	0	0	N/A	N/A	No Data	10/27/2006

60584*	Gunlock	Conduit Hydro	26,000	0	0	N/A	N/A	No Data	10/27/2006
60588*	Sand Cove	Conduit Hydro	26,000	0	0	N/A	N/A	No Data	10/27/2006
60593*	Veyo	Conduit Hydro	19,000	0	0	N/A	N/A	No Data	10/27/2006
60594*	Viva Naughton	Conduit Hydro	24,000	0	0	N/A	N/A	No Data	10/27/2006
60779*	Ralphs Ranch	Conduit Hydro	26,760	0	0	N/A	N/A	No Data	4/27/2009
60780*	Bogus Creek - Lower Cold Springs	Conduit Hydro	651,800	0	0	N/A	N/A	No Data	4/27/2009
60781*	Bogus Creek - Upper Cold Springs	Conduit Hydro	190,760	0	0	N/A	N/A	No Data	4/27/2009
60782*	Luckey, Paul	Conduit Hydro	253,360	0	0	N/A	N/A	No Data	4/27/2009
60820	Blundell I	Geothermal	3,362,000	0	0	274,358,000	8061%	EIA	5/1/2009
60821	Blundell II	Geothermal	1,277,000	0	0	274,358,000	21385%	EIA	5/1/2009
60507	Clearwater 1	Small Hydro	532,000	0	0	7,155,100	1245%	EAO	7/19/2006
60508*	Clearwater 2	Small Hydro	502,000	0	0	N/A	N/A	No Data	7/19/2006
60513*	Fish Creek	Small Hydro	634,000	0	0	N/A	N/A	No Data	7/19/2006
60514*	Prospect 3	Small Hydro	597,000	0	0	N/A	N/A	No Data	7/19/2006
60515*	Slide Creek	Small Hydro	1,337,000	0	0	N/A	N/A	No Data	7/19/2006

60516*	Soda Springs	Small Hydro	877,000	0	0	N/A	N/A	No Data	7/19/2006
60517*	Wallowa Falls	Small Hydro	134,000	0	0	N/A	N/A	No Data	7/19/2006
60522*	Bend	Small Hydro	41,000	0	0	N/A	N/A	No Data	10/19/2006
60523*	Condit	Small Hydro	1,609,885	0	0	N/A	N/A	No Data	10/19/2006
60524*	Eastside	Small Hydro	74,000	0	0	N/A	N/A	No Data	10/19/2006
60530*	Prospect 1	Small Hydro	380,000	0	0	N/A	N/A	No Data	10/19/2006
60531*	Prospect 4	Small Hydro	66,000	0	0	N/A	N/A	No Data	10/19/2006
60532*	Westside	Small Hydro	5,309	0	0	N/A	N/A	No Data	10/19/2006
60539*	Fall Creek	Small Hydro	187,000	0	0	N/A	N/A	No Data	11/1/2006
60578*	Ashton	Small Hydro	384,000	0	0	N/A	N/A	No Data	10/27/2006
60579*	Big Fork	Small Hydro	545,000	0	0	N/A	N/A	No Data	10/27/2006
60581*	Cutler	Small Hydro	853,000	0	0	N/A	N/A	No Data	10/27/2006
60585*	Oneida	Small Hydro	482,000	0	0	N/A	N/A	No Data	10/27/2006
60586*	Paris	Small Hydro	38,000	0	0	N/A	N/A	No Data	10/27/2006

60587*	Pioneer	Small Hydro	262,000	0	0	N/A	N/A	No Data	10/27/2006
60589*	Snake Creek	Small Hydro	52,000	0	0	N/A	N/A	No Data	10/27/2006
60590*	Soda	Small Hydro	236,000	0	0	N/A	N/A	No Data	10/27/2006
60591*	Stairs	Small Hydro	94,000	0	0	N/A	N/A	No Data	10/27/2006
60595*	Weber	Small Hydro	259,000	0	0	N/A	N/A	No Data	10/27/2006
60777	Slate Creek	Small Hydro	15,289,000	0	0	15,766,000	3%	EAO	4/27/2009
60778*	Lake Siskiyou	Small Hydro	22,983,000	0	0	N/A	N/A	No Data	4/27/2009
60791*	Last Chance	Small Hydro	55,000	0	0	N/A	N/A	No Data	5/12/2009
60792*	Olmstead	Small Hydro	312,000	0	0	N/A	N/A	No Data	5/12/2009
60561*	Foote Creek 1	Wind	945,000	0	0	N/A	N/A	No Data	11/1/2006
60562	Leaning Juniper	Wind	3,780,000	161,057,000	0	223,558,000	36%	EIA	11/1/2006
60563*	Rock River 1	Wind	2,337,000	0	0	N/A	N/A	No Data	6/7/2007
60564*	Wolverine Creek	Wind	2,741,000	60,173,000	0	N/A	N/A	No Data	6/7/2007
60729*	Marengo	Wind	5,595,000	232,421,000	0	N/A	N/A	No Data	10/21/2008

60730*	Marengo II	Wind	2,798,000	107,288,000	0	N/A	N/A	No Data	10/21/2008
60804	Glenrock III	Wind	1,690,000	48,139,000	0	387,908,000	678%	EIA	2/5/2009
60805	Glenrock I	Wind	4,868,000	156,395,000	0	387,908,000	141%	EIA	2/5/2009
60806	Rolling Hills	Wind	4,272,000	210,868,000	0	252,669,000	17%	EIA	1/26/2009
60807	Seven Mile Hill I	Wind	5,480,000	150,033,000	0	391,845,000	152%	EIA	2/12/2009
60808	Seven Mile Hill II	Wind	1,145,000	47,820,000	0	391,845,000	700%	EIA	2/12/2009
60811	Mountain Wind I	Wind	2,526,000	0	0	149,424,000	5815%	EIA	5/22/2009
60812	Mountain Wind II	Wind	3,416,000	0	0	202,072,000	5815%	EIA	5/22/2009
60819	Goodnoe Hills	Wind	3,589,000	150,016,000	0	212,268,000	38%	EIA	4/22/2009
60896*	McFadden Ridge	Wind	1,308,000	0	0	N/A	N/A	No Data	10/12/2009
60899*	High Plains	Wind	4,351,000	0	0	N/A	N/A	No Data	9/28/2009
60975*	Chevron Casper Wind Farm	Wind	652,000	0	0	N/A	N/A	No Data	1/19/2010
61017*	Campbell Hill - Three Buttes	Wind	5,072,000	0	0	N/A	N/A	No Data	1/7/2010
61188*	Dunlap I	Wind	1,732,000	0	0	N/A	N/A	No Data	9/1/2010

61199*	Top of the World	Wind	3,192,000	0	0	N/A	N/A	No Data	9/1/2010

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Sierra Pacific Power RPS Procurement Claims Analysis

2008 RPS Procurement Claims

CEC RPS ID Number[1]	Facility Name[2]	Fuel Type[3]	Annual Generation Procured (kWh)[4]	RPS Claims by Other Retail Sellers (kWh)[5]	Procurement Reported to PSDP/ Voluntary Programs (kWh)[6]	Generation Data Compared With Procurement (kWh)[7]	% Difference Between Generation and Procurement[8]	Generation Data Source[9]	Facility's Beginning On Date[10]
60677	Beowawe Power, LLC	Geothermal	9,535,000	0	19,814,485	111,811,000	281%	EIA	2/19/2008
60674	Brady	Geothermal	6,797,000	0	16,782,753	82,487,000	250%	EIA	2/19/2008
60668	Empire Farms	Geothermal	1,696,000	0	0	19,761,000	1065%	EIA	2/19/2008
60704	Fleish Hydroelectric Plant	Conduit Hydro	926,000	0	756,158	8,494,000	405%	EIA	2/26/2008
60696*	Frank Hooper	Conduit Hydro	136,999	0	465,229	N/A	N/A	No Data	2/26/2008
60764	Galena 3	Geothermal	13,141,000	0	12,307,983	144,007,000	466%	EIA	2/27/2009
60671	Homestretch I	Geothermal	274,000	0	559,160	6,211,000	645%	EIA	2/19/2008
60666	Homestretch II	Geothermal	271,000	0	674,886	6,211,000	557%	EIA	2/19/2008
60765	Nevada Solar One	Solar Thermal	3,867,000	0	17,621,620	123,598,000	475%	EIA	2/26/2009
60664	Richard Burdette Geothermal Plant	Geothermal	14,906,000	0	19,135,533	175,477,000	415%	EIA	2/20/2008
60672	Soda Lake 1 & 2	Geothermal	5,209,000	0	13,019,688	60,909,000	234%	EIA	2/19/2008
60570	SPI - Loyalton	Biomass	6,543,300	0	11,484,726	78,778,000	337%	EAO	4/11/2007
60673	Steamboat 1A	Geothermal	21,000	0	229,316	250,316	0%	Inv	2/19/2008
60676	Steamboat 2	Geothermal	5,212,000	0	7,444,296	60,870,000	381%	EIA	2/19/2008
60675	Steamboat 3	Geothermal	6,946,000	0	14,534,368	80,791,000	276%	EIA	2/19/2008

60667	Steamboat Hills	Geothermal	4,525,000	0	3,653,881	53,102,000	549%	EIA	2/19/2008
60669	Stillwater 1	Geothermal	3,117,094	0	11,867,071	36,550,000	144%	EIA	2/19/2008
60705	Verdi Hydroelectric Plant	Conduit Hydro	1,473,000	0	2,008,482	17,275,000	396%	EIA	2/26/2008
60706	Washoe Hydroelectric Plant	Conduit Hydro	1,089,000	0	688,799	3,604,000	103%	EIA	2/26/2008

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2009 RPS Procurement Claims

CEC RPS ID Number[1]	Facility Name[2]	Fuel Type[3]	Annual Generation Procured (kWh)[4]	RPS Claims by Other Retail Sellers (kWh)[5]	Procurement Reported to PSDP/ Voluntary Programs (kWh)[6]	Generation Data Compared With Procurement (kWh)[7]	% Difference Between Generation and Procurement[8]	Generation Data Source[9]	Facility's Beginning On Date[10]
60664	Richard Burdette Geothermal Plant	Geothermal	22,325,000	0	137,118,894	159,972,000	0%	EIA	2/20/2008
60667	Steamboat Hills	Geothermal	10,701,000	0	64,026,215	74,720,000	0%	EIA	2/19/2008
60674	Brady	Geothermal	11,843,000	0	71,289,356	84,198,000	1%	EIA	2/19/2008
60675	Steamboat 3	Geothermal	16,172,000	0	97,594,333	112,890,000	-1%	EIA	2/19/2008
60676	Steamboat 2	Geothermal	15,047,000	0	90,434,549	105,103,000	0%	EIA	2/19/2008
60677	Beowawe Power, LLC	Geothermal	15,548,000	0	95,492,263	111,043,000	0%	EIA	2/19/2008
60764	Galena 3	Geothermal	25,710,000	0	157,904,169	183,736,000	0%	EIA	2/27/2009

* RPS identification numbers that end in the suffix E and show No Data in the column "Generation Data Used for Comparison with Procurement"

are utility-certified facilities with no independently reported generation. As stated on page 47 in the RPS Eligibility Guidebook, Third Edition, the retail seller is responsible for reporting the generation data for the facilities it certifies. This reporting requirement will be satisfied through the CEC-RPS-Track forms and WREGIS State/Provincial/Voluntary Compliance Reports. Therefore, the asterisk indicates that the facility is utility-certified and that the procurement amount reported is accepted as reported on the RPS-Track form and/or WREGIS State/Provincial/Voluntary Compliance Report.

2010 RPS Procurement Claims

CEC RPS ID Number[1]	Facility Name[2]	Fuel Type[3]	Annual Generation Procured (kWh)[4]	RPS Claims by Other Retail Sellers (kWh)[5]	Procurement Reported to PSDP/ Voluntary Programs (kWh)[6]	Generation Data Compared With Procurement (kWh)[7]	% Difference Between Generation and Procurement[8]	Generation Data Source[9]	Facility's Beginning On Date[10]
60664	Richard Burdette Geothermal Plant	Geothermal	19,902,000	0	144,679,850	164,582,868	0%	RPS	2/20/2008
60667*	Steamboat Hills	Geothermal	9,465,000	0	68,809,148	N/A	N/A	No Data	2/19/2008
60674	Brady	Geothermal	9,154,000	0	66,542,748	75,697,000	0%	EIA	2/19/2008
60675*	Steamboat 3	Geothermal	13,457,000	0	97,823,655	N/A	N/A	No Data	2/19/2008
60676*	Steamboat 2	Geothermal	12,787,000	0	92,959,866	N/A	N/A	No Data	2/19/2008
60677	Beowawe Power, LLC	Geothermal	13,080,000	0	95,090,709	108,170,714	0%	RPS	2/19/2008
60764	Galena 3	Geothermal	21,654,000	0	157,413,047	179,067,000	0%	EIA	2/27/2009

* RPS identification numbers that end in the suffix E and show No Data in the column "Generation Data Used for Comparison with Procurement" are utility-certified facilities with no independently reported generation. As stated on page 47 in the RPS Eligibility Guidebook, Third Edition, the retail seller is responsible for reporting the generation data for the facilities it certifies. This reporting requirement will be satisfied through the CEC-RPS-Track forms and WREGIS State/Provincial/Voluntary Compliance Reports. Therefore, the asterisk indicates that the facility is utility-certified and that the procurement amount reported is accepted as reported on the RPS-Track form and/or WREGIS State/Provincial/Voluntary Compliance Report.

Pacific Gas and Electric RPS Procurement Claims Analysis

2008 RPS Procurement Claims

CEC RPS ID Number[1]	Facility Name[2]	Fuel Type[3]	Annual Generation Procured (kWh)[4]	RPS Claims by Other Retail Sellers (kWh)[5]	Procurement Reported to PSDP/ Voluntary Programs (kWh)[6]	Generation Data Compared With Procurement (kWh)[7]	% Difference Between Generation and Procurement[8]	Generation Data Source[9]	Facility's Beginning On Date[10]
60073	Burney Forest Products	Biomass	237,785,486	0	0	237,786,876	0%	ERFP	12/17/2004
60074	Collins Pine	Biomass	30,674,832	0	0	47,020,000	53%	EIA	12/17/2004
60076	DG Fairhaven Power Co	Biomass	114,422,898	0	0	114,792,000	0%	EIA	12/17/2004
60077	Honey Lake Power Company	Biomass	173,671,043	0	0	173,673,000	0%	EAO	12/17/2004
60078	Mendota Biomass Power Ltd	Biomass	174,237,901	0	0	172,148,000	-1%	EIA	12/17/2004
60079	Ogden Power Pacific, Inc. (Burney)	Biomass	79,978,021	0	0	79,976,000	0%	EIA	12/17/2004
60080	Ogden Power Pacific, Inc. (CS)	Biomass	118,540,201	0	0	118,460,000	0%	EIA	12/17/2004
60081	Ogden Power Pacific, Inc. (Mt Lsn)	Biomass	76,756,112	0	0	76,821,000	0%	EAO	12/17/2004
60082	Ogden Power Pacific, Inc. (Oroville)	Biomass	124,000,226	0	0	124,000,000	0%	EIA	12/17/2004
60083	Pacific Lumber Co.	Biomass	65,428,073	0	0	82,042,000	25%	EIA	12/17/2004
60084	Rio Bravo Fresno	Biomass	141,215,463	0	0	141,562,000	0%	EIA	12/17/2004
60085	Rio Bravo Rocklin	Biomass	162,786,450	0	0	163,041,000	0%	EAO	12/17/2004
60086	SPI Anderson I	Biomass	5,959,754	0	0	35,905,520	502%	EIA	12/17/2004
60087	SPI Burney	Biomass	96,930,037	0	0	114,988,000	19%	EAO	12/17/2004

60088	SPI Lincoln	Biomass	80,555,972	0	0	115,895,000	44%	EAO	12/17/2004
60089	SPI Quincy	Biomass	141,862,401	0	0	192,287,592	36%	EIA	12/17/2004
60091	Thermal Energy Development Corp.	Biomass	148,884,702	0	0	150,382,003	1%	EIA	12/17/2004
60092	Wadham Energy Limited Partnership	Biomass	130,947,546	0	0	131,110,000	0%	EIA	12/17/2004
60094	Wheelabrator Shasta Energy Co	Biomass	395,343,478	0	0	395,399,000	0%	EAO	12/17/2004
60095	Woodland Biomass Power, Ltd.	Biomass	166,388,324	0	0	165,312,000	-1%	EIA	12/17/2004
60272	Community Renewable Energy Service	Biomass	80,253,732	0	0	80,935,000	1%	EAO	12/17/2004
60273	Madera Power	Biomass	18,238,000	0	0	19,367,000	6%	EAO	12/17/2004
60274	Sierra Power Corporation	Biomass	32,886,058	0	0	36,526,000	11%	EIA	12/17/2004
60471	Chowchilla II	Biomass	2,446,000	14,678,000	0	20,702,000	21%	EAO	7/25/2005
60492	Big Valley Power	Biomass	30,483,199	0	0	30,483,921	0%	RPS	2/14/2006
60637[1]	Humboldt Bay Power Plant Unit 1	Biomethane	325,000	0	0	521,879,000	160478%	EAO	9/24/2007
60638[A]	Humboldt Bay Power Plant Unit 2	Biomethane	428,000	0	0	521,879,000	121834%	EAO	9/24/2007
60198	Calaveras Yuba Hydro #1	Conduit Hydro	394,174	0	0	450,827	14%	RPS	12/17/2004
60199	Calaveras Yuba Hydro #2	Conduit Hydro	371,052	0	0	376,681	2%	RPS	12/17/2004
60200	Calaveras Yuba Hydro #3	Conduit Hydro	212,561	0	0	212,730	0%	RPS	12/17/2004

60271	Etiwanda Small Conduit Hydroelectric Power Plant	Conduit Hydro	57,392,000	0	0	61,039,000	6%	EIA	12/17/2004
60607	Nacimiento Hydroelectric Project	Conduit Hydro	2,051,000	0	0	14,316,000	598%	EIA	5/29/2007
60567*	Buckeye Power Plant	Conduit Hydro	361,000	0	0	N/A	N/A	No Data	4/23/2007
60108	Monterey Regional Water	Digester Gas	351,461	0	0	7,948,000	2161%	EIA	12/17/2004
60101*	MWWTP Power Generation Station	Digester Gas	3,761,790	0	0	N/A	N/A	No Data	12/17/2004
60190*	City Of Watsonville	Digester Gas	33,287	0	0	N/A	N/A	No Data	12/17/2004
60191*	Langerwerf Dairy	Digester Gas	371,321	0	0	N/A	N/A	No Data	12/17/2004
60002	Calpine Geothermal Unit 5/6	Geothermal	681,677,363	0	0	681,675,000	0%	EAO	6/14/2004
60003	Calpine Geothermal Unit 7-8	Geothermal	600,217,079	0	0	600,706,000	0%	EAO	6/14/2004
60004	Calpine Geothermal Unit 12	Geothermal	33,348,300	347,825,300	7,986	389,217,000	2%	EAO	6/14/2004
60005	Calpine Geothermal Unit 13	Geothermal	379,416,765	15,491,500	22,053	435,641,000	10%	EAO	6/14/2004
60006	Calpine Geothermal Unit 16	Geothermal	4,995,643	419,460,600	0	424,557,000	0%	EAO	6/14/2004
60007	Calpine Geothermal Unit 17	Geothermal	386,000	426,215,150	0	427,360,000	0%	EAO	6/14/2004
60008	Calpine Geothermal Unit 18	Geothermal	336,568,511	49,958,000	19,803	406,347,000	5%	EAO	6/14/2004

60009	Calpine Geothermal Unit 20	Geothermal	166,042,317	90,252,700	83,087	358,231,000	40%	EAO	6/14/2004
60010	Sonoma/Calpine Geyser	Geothermal	48,071,000	31,192,000	260,016	341,543,000	329%	EAO	6/14/2004
60025	Calpine Geothermal Unit 11	Geothermal	6,593,000	437,637,680	46,256	512,842,000	15%	EAO	6/14/2004
60026	Calpine Geothermal Unit 14	Geothermal	1,053,023	423,988,070	0	425,088,000	0%	EAO	6/14/2004
60111	Amedee Geothermal Venture I	Geothermal	4,903,254	0	0	4,903,655	0%	Inv	12/17/2004
60112	Bear Canyon Power Plant	Geothermal	87,350,607	0	0	115,664,000	32%	EIA	12/17/2004
60113	Calpine Geysers Company (KW #2)	Geothermal	27,998,244	0	0	115,663,000	313%	EAO	12/17/2004
60114	West Ford Flat Power Plant	Geothermal	209,613,708	0	0	209,614,000	0%	EAO	12/17/2004
60115	Aidlin Power Plant	Geothermal	137,022,139	0	0	136,980,000	0%	EIA	12/17/2004
60117	Calistoga Power Plant	Geothermal	511,338,494	30,441,000	0	555,134,000	2%	EIA	12/17/2004
60193*	Wineagle Developers 1	Geothermal	2,702,082	0	0	N/A	N/A	No Data	12/17/2004
60604	Bottle Rock Power Plant	Geothermal	98,314,097	0	0	99,625,713	1%	RPS	7/26/2007
60096[B]	Waste Management Renewable Energy	Landfill Gas	46,511,218	0	0	48,149,000	4%	EIA	12/17/2004
60098	Covanta Pacific Power (Salinas)	Landfill Gas	7,727,334	0	0	7,999,000	4%	EIA	12/17/2004
60100*	Covanta Pacific Power (Stockton)	Landfill Gas	5,086,335	0	0	N/A	N/A	No Data	12/17/2004
60102	Gas Recovery System-American Canyon	Landfill Gas	7,424,503	0	0	7,403,000	0%	EIA	12/17/2004

60103	Gas Recovery System-Guadalupe	Landfill Gas	17,826,090	0	0	17,818,000	0%	EIA	12/17/2004
60104	Gas Recovery System-Menlo Park	Landfill Gas	10,403,584	0	0	10,405,000	0%	EIA	12/17/2004
60105	Gas Recovery System-Newby Island II	Landfill Gas	32,396,643	0	0	32,412,000	0%	EAO	12/17/2004
60106*	Gas Recovery System-Santa Cruz	Landfill Gas	5,202,629	0	0	N/A	N/A	No Data	12/17/2004
60107	Monterey Regional Waste Mgt Dist	Landfill Gas	12,544,887	12,075,000	0	31,573,000	28%	EIA	12/17/2004
60110	Stanislaus Resource Recovery Facility	MSW, Combustion	119,449,155	0	0	119,748,000	0%	EAO	12/17/2004
60255*	Robin Williams Solar Power Gen	Photovoltaic	326	0	0	N/A	N/A	No Data	12/17/2004
60634*	AT&T Park Solar Arrays	Photovoltaic	160,378	0	0	N/A	N/A	No Data	9/24/2007
60635*	San Francisco Service Center Solar Array 1	Photovoltaic	103,280	0	0	N/A	N/A	No Data	9/24/2007
60636*	San Francisco Service Center Solar Array 2	Photovoltaic	181,152	0	0	N/A	N/A	No Data	9/24/2007
60032	A.G. Wishon PH	Small Hydro	46,168,435	0	0	49,418,000	7%	EIA	12/21/2004
60033	Alta PH	Small Hydro	3,585,352	0	0	3,563,000	-1%	EIA	12/21/2004
60034	Centerville PH	Small Hydro	11,726,825	0	0	11,727,000	0%	EIA	12/21/2004
60035	Chili Bar PH	Small Hydro	17,597,329	0	0	17,591,000	0%	EIA	12/21/2004

60037	Coleman PH	Small Hydro	55,229,089	0	0	55,236,000	0%	EAO	12/21/2004
60038	Cow Creek PH	Small Hydro	5,582,289	0	0	5,566,000	0%	EIA	12/21/2004
60039*	Crane Valley PH	Small Hydro	2,130,729	0	0	N/A	N/A	No Data	12/21/2004
60040	Deer Creek PH	Small Hydro	20,939,132	0	0	20,918,000	0%	EIA	12/21/2004
60041	De Sabla PH	Small Hydro	64,118,423	0	0	64,124,000	0%	EAO	12/21/2004
60042	Dutch No. 1 PH	Small Hydro	69,283,597	0	0	66,554,000	-4%	EAO	12/21/2004
60043	Halsey PH	Small Hydro	46,377,850	0	0	46,351,000	0%	EIA	12/21/2004
60044	Hamilton Branch PH	Small Hydro	7,689,980	0	0	7,670,000	0%	EIA	12/21/2004
60045	Hat Creek No. 1 PH	Small Hydro	33,009,322	0	0	33,010,000	0%	EIA	12/21/2004
60046	Hat Creek No. 2 PH	Small Hydro	46,030,349	0	0	46,029,000	0%	EIA	12/21/2004
60047	Inskip PH	Small Hydro	36,027,122	0	0	36,029,000	0%	EIA	12/21/2004
60048	Kern Canyon PH	Small Hydro	36,675,446	0	0	36,680,000	0%	EAO	12/21/2004
60049	Kilarc PH	Small Hydro	12,879,660	0	0	12,877,000	0%	EIA	12/21/2004
60050	Lime Saddle PH	Small Hydro	4,814,736	0	0	4,809,000	0%	EAO	12/21/2004

60051	Merced Falls PH	Small Hydro	8,976,055	0	0	8,926,000	-1%	EIA	12/21/2004
60052	Narrows No. 1 PH	Small Hydro	41,871,035	0	0	41,813,000	0%	EAO	12/21/2004
60053	Newcastle PH	Small Hydro	17,731,051	0	0	17,731,000	0%	EIA	12/21/2004
60054	Phoenix PH	Small Hydro	10,416,169	0	0	10,412,000	0%	EIA	12/21/2004
60055	Potter Valley PH	Small Hydro	23,084,640	0	0	23,084,000	0%	EIA	12/21/2004
60056*	San Joaquin No. 1-A PH	Small Hydro	3,249,000	0	0	N/A	N/A	No Data	12/21/2004
60057	San Joaquin No. 2 PH	Small Hydro	6,335,537	0	0	6,337,000	0%	EIA	12/21/2004
60058	San Joaquin No. 3 PH	Small Hydro	9,173,008	0	0	9,175,000	0%	EIA	12/21/2004
60059	South PH	Small Hydro	43,108,822	0	0	43,113,000	0%	EIA	12/21/2004
60060	Spaulding No. 1 PH	Small Hydro	21,337,034	0	0	24,825,000	16%	EIA	12/21/2004
60061	Spaulding No. 2 PH	Small Hydro	12,101,889	0	0	12,158,000	0%	EAO	12/21/2004
60062	Spaulding No. 3 PH	Small Hydro	26,291,265	0	0	26,285,000	0%	EAO	12/21/2004
60063	Spring Gap PH	Small Hydro	33,873,181	0	0	33,866,000	0%	EAO	12/21/2004
60064	Toadtown PH	Small Hydro	3,507,251	0	0	3,483,000	-1%	EIA	12/21/2004

60065	Tule PH	Small Hydro	20,388,860	0	0	20,369,000	0%	EIA	12/21/2004
60066	Volta No. 1 PH	Small Hydro	36,723,201	0	0	36,727,000	0%	EIA	12/21/2004
60067	Volta No. 2 PH	Small Hydro	3,755,922	0	0	3,755,000	0%	EAO	12/21/2004
60068	West Point PH	Small Hydro	63,804,585	0	0	63,794,000	0%	EIA	12/21/2004
60069	Wise No. 1 PH	Small Hydro	75,149,677	0	0	83,102,000	11%	EAO	12/21/2004
60070	Wise No. 2 PH	Small Hydro	7,983,623	0	0	83,102,000	941%	EAO	12/21/2004
60071	Tulloch Powerhouse	Small Hydro	88,473,376	0	0	93,297,000	5%	EIA	12/27/2004
60072	Beardsley Powerhouse	Small Hydro	38,078,625	0	0	37,196,000	-2%	EIA	12/27/2004
60150*	American Energy, Inc. (San Luis Byp)	Small Hydro	112	0	0	N/A	N/A	No Data	12/17/2004
60151*	American Energy, Inc (Wolfsen)	Small Hydro	1,990,712	0	0	N/A	N/A	No Data	12/17/2004
60152*	Baker Station Associates L.P.	Small Hydro	3,329,780	0	0	N/A	N/A	No Data	12/17/2004
60153	Calaveras City Water District	Small Hydro	7,057,311	0	0	8,235,000	17%	EAO	12/17/2004
60154	El Dorado (Montgomery Crk)	Small Hydro	6,300,908	0	0	6,302,000	0%	EIA	12/17/2004
60155	Far West Power Corporation	Small Hydro	53	0	0	11,720,000	22146536%	EAO	12/17/2004

60156	Friant Power Authority	Small Hydro	48,789,995	0	0	49,486,000	1%	EAO	12/17/2004
60157	Haypress Hydroelectric (LWR)	Small Hydro	5,294,806	0	0	10,835,000	105%	EIA	12/17/2004
60158	Haypress Hydroelectric (MDDL)	Small Hydro	5,539,392	0	0	10,835,000	96%	EAO	12/17/2004
60159	Humboldt Bay Muni Water Dist	Small Hydro	5,000,908	0	0	4,904,000	-2%	EAO	12/17/2004
60160	Hypower, Inc.	Small Hydro	27,688,778	0	0	27,689,000	0%	EIA	12/17/2004
60161	Indian Vly Hydro Elec Ptrn.	Small Hydro	5,066,716	0	0	5,067,000	0%	EIA	12/17/2004
60162	Kern Hydro Partners (Olcese)	Small Hydro	32,640,813	0	0	32,623,000	0%	EIA	12/17/2004
60163	Madera Chowchilla	Small Hydro	3,679,359	0	0	6,650,000	81%	EAO	12/17/2004
60164	Malacha Hydro Ltd. Partnership	Small Hydro	42,392,152	0	0	42,392,000	0%	EIA	12/17/2004
60165	Mega Renewables (Bidwell Ditch)	Small Hydro	12,574,138	0	0	12,574,000	0%	EIA	12/17/2004
60166	Mega Renewables (Hatchet Crk)	Small Hydro	14,276,413	0	0	14,277,000	0%	EIA	12/17/2004
60167	Mega Renewables (Roaring Crk)	Small Hydro	4,578,996	0	0	5,274,000	15%	EAO	12/17/2004
60168	Merced ID (Parker)	Small Hydro	4,581,473	0	0	4,580,000	0%	EAO	12/17/2004
60169	Monterey County Water Res Agency	Small Hydro	12,266,280	0	0	14,452,000	18%	EAO	12/17/2004

60170	Nelson Creek Power Inc.	Small Hydro	2,513,787	0	0	2,444,000	-3%	EIA	12/17/2004
60171	Nevada Power Authority	Small Hydro	8,019,714	0	0	8,067,000	1%	EIA	12/17/2004
60172	NID/Combie South	Small Hydro	3,256,153	0	0	3,256,000	0%	EIA	12/17/2004
60173	Scotts Flat Powerhouse	Small Hydro	3,142,200	0	0	3,142,000	0%	EIA	12/17/2004
60175	Olsen Power Partners, Inc.	Small Hydro	3,849,664	0	0	4,175,000	8%	EAO	12/17/2004
60176	Rock Creek Limited Partnership	Small Hydro	650,422	0	0	633,000	-3%	EIA	12/17/2004
60177	Snow Mountain Hydro LLC (Burney)	Small Hydro	2,203,774	0	0	2,203,000	0%	EIA	12/17/2004
60178	Snow Mountain Hydro LLC (Cove)	Small Hydro	10,966,341	0	0	10,996,000	0%	EAO	12/17/2004
60179	Lost Creek 1	Small Hydro	5,930,515	0	0	5,975,000	1%	EAO	12/17/2004
60180*	Lost Creek 2	Small Hydro	2,823,085	0	0	N/A	N/A	No Data	12/17/2004
60181	Snow Mntn Hydro LLC (Ponderosa)	Small Hydro	573,281	0	0	573,000	0%	EIA	12/17/2004
60182	Sonoma County Water Agency	Small Hydro	14,018,985	0	0	14,020,000	0%	EIA	12/17/2004
60183	South S J ID (Frankenheimer)	Small Hydro	15,715,610	0	0	15,716,000	0%	EAO	12/17/2004
60184	South San Joaquin ID (Woodward)	Small Hydro	5,719,553	0	0	5,720,000	0%	EAO	12/17/2004

60185	STS Hydropower Ltd. (Kanaka)	Small Hydro	527,219	0	0	514,000	-3%	EIA	12/17/2004
60186	STS Hydropower Ltd. (Kekawaka)	Small Hydro	5,799,419	0	0	5,800,000	0%	EIA	12/17/2004
60187	TKO Power (South Fork Bear)	Small Hydro	2,530,349	0	0	2,536,000	0%	EIA	12/17/2004
60188	Tri-Dam Authority (Sandbar)	Small Hydro	51,992,200	0	0	54,140,000	4%	EIA	12/17/2004
60189	Yuba County Water	Small Hydro	375,392	0	0	375,378	0%	Inv	12/17/2004
60194*	Arbuckle Mountain Hydro	Small Hydro	299,059	0	0	N/A	N/A	No Data	12/17/2004
60195*	Bailey Creek Ranch	Small Hydro	876,220	0	0	N/A	N/A	No Data	12/17/2004
60196*	Bertha Wright Bertillion	Small Hydro	5,226	0	0	N/A	N/A	No Data	12/17/2004
60197*	Browns Valley ID	Small Hydro	1,482,879	0	0	N/A	N/A	No Data	12/17/2004
60201*	Canal Creek Power Plant (Reta)	Small Hydro	446,000	0	0	N/A	N/A	No Data	12/17/2004
60202*	Charcoal Ravine	Small Hydro	13,014	0	0	N/A	N/A	No Data	12/17/2004
60206*	Digger Creek Ranch	Small Hydro	2,535,660	0	0	N/A	N/A	No Data	12/17/2004
60207*	E J M McFadden	Small Hydro	264,535	0	0	N/A	N/A	No Data	12/17/2004
60208*	Eagle Hydro	Small Hydro	1,400,833	0	0	N/A	N/A	No Data	12/17/2004

60209*	Eric and Debbie Watternburg	Small Hydro	74,408	0	0	N/A	N/A	No Data	12/17/2004
60210*	Fairfield Power Plant	Small Hydro	1,575,666	0	0	N/A	N/A	No Data	12/17/2004
60211*	Five Bears Hydroelectric	Small Hydro	107,727	0	0	N/A	N/A	No Data	12/17/2004
60214*	Vecino Vineyards LLC	Small Hydro	163,636	0	0	N/A	N/A	No Data	12/17/2004
60215*	Hat Creek Hereford Ranch	Small Hydro	303,250	0	0	N/A	N/A	No Data	12/17/2004
60216*	Henwood Associates	Small Hydro	1,250,085	558,000	0	N/A	N/A	No Data	12/17/2004
60217*	Jackson Valley Irrigation Dist	Small Hydro	202,504	0	0	N/A	N/A	No Data	12/17/2004
60218*	James B. Peter	Small Hydro	97,485	0	0	N/A	N/A	No Data	12/17/2004
60219*	James Crane Hydro	Small Hydro	6,165	0	0	N/A	N/A	No Data	12/17/2004
60220*	John Neerhout Jr.	Small Hydro	5,060	0	0	N/A	N/A	No Data	12/17/2004
60221*	Kings River Hydro Co.	Small Hydro	1,603,816	0	0	N/A	N/A	No Data	12/17/2004
60222*	Lassen Station Hydro	Small Hydro	2,816,434	0	0	N/A	N/A	No Data	12/17/2004
60223*	Lofton Ranch	Small Hydro	917,966	0	0	N/A	N/A	No Data	12/17/2004
60224*	Madera Canal (1174 + 84)	Small Hydro	1,015,594	0	0	N/A	N/A	No Data	12/17/2004
60225*	Madera Canal (1923)	Small	1,249,000	0	0	N/A	N/A	No Data	12/17/2004

		Hydro							
60226*	Madera Canal Station 1302	Small Hydro	706,397	0	0	N/A	N/A	No Data	12/17/2004
60227*	Mega Hydro #1 (Clover Creek)	Small Hydro	2,823,492	0	0	N/A	N/A	No Data	12/17/2004
60228*	Mega Hydro (Goose Valley Ranch)	Small Hydro	308,920	0	0	N/A	N/A	No Data	12/17/2004
60229*	Mega Renewables (Silver Springs)	Small Hydro	1,578,948	0	0	N/A	N/A	No Data	12/17/2004
60230*	Mill & Sulphur Creek	Small Hydro	1,728,597	0	0	N/A	N/A	No Data	12/17/2004
60231*	NID/Combie North	Small Hydro	477,843	0	0	N/A	N/A	No Data	12/17/2004
60232	Orange Cove Irrigation District - Friant Fishwater Release Hydroelectric Facility	Small Hydro	3,241,055	0	0	3,240,683	0%	RPS	12/17/2004
60234*	Placer County Water Agency	Small Hydro	3,442,917	0	0	N/A	N/A	No Data	12/17/2004
60236*	Rock Creek Water District	Small Hydro	1,115,776	0	0	N/A	N/A	No Data	12/17/2004
60238	Schaads Hydro	Small Hydro	450,443	0	0	450,817	0%	Inv	12/17/2004
60239*	Shamrock Utilities (Cedar Flat)	Small Hydro	1,059,245	0	0	N/A	N/A	No Data	12/17/2004
60240*	Shamrock Utilities (Clover Leaf)	Small Hydro	408,250	0	0	N/A	N/A	No Data	12/17/2004
60242	Sierra Energy	Small Hydro	8,867	0	0	3,442,000	38720%	EAO	12/17/2004

60243*	South Sutter Water	Small Hydro	516,447	0	0	N/A	N/A	No Data	12/17/2004
60244*	Steve & Bonnie Tetrick	Small Hydro	192,133	0	0	N/A	N/A	No Data	12/17/2004
60246*	Sutter's Mill	Small Hydro	669,875	0	0	N/A	N/A	No Data	12/17/2004
60247*	Swiss America	Small Hydro	325,903	0	0	N/A	N/A	No Data	12/17/2004
60249	Tom Benninghoven	Small Hydro	74,513	0	0	N/A	N/A	No Data	12/17/2004
60250*	Water Wheel Ranch	Small Hydro	2,179,811	0	0	N/A	N/A	No Data	12/17/2004
60251*	Youth with a Mission/Spgs Of Lv Wat	Small Hydro	160,077	0	0	N/A	N/A	No Data	12/17/2004
60252*	Yuba County Water Agency	Small Hydro	719,114	0	0	N/A	N/A	No Data	12/17/2004
60263	MID (McSwain)	Small Hydro	20,377,525	0	0	20,503,000	1%	EIA	12/17/2004
60264	NID (Dutch Flat #2)	Small Hydro	75,754,555	0	0	75,769,000	0%	EIA	12/17/2004
60265	NID (Rollins)	Small Hydro	57,815,414	0	0	57,824,000	0%	EIA	12/17/2004
60266	Kelly Ridge Powerhouse	Small Hydro	68,408,297	0	0	68,640,000	0%	EIA	12/17/2004
60267	Sly Creek Powerhouse	Small Hydro	21,236,975	0	0	21,196,000	0%	EIA	12/17/2004
60268	PCWA (French Meadows)	Small Hydro	31,978,703	0	0	31,979,783	0%	Inv	12/17/2004

60269	PCWA (Oxbow)	Small Hydro	16,064,992	0	0	15,911,000	-1%	EAO	12/17/2004
60270	SID (Monticello)	Small Hydro	40,284,134	0	0	40,235,000	0%	EAO	12/17/2004
60276	Oak Flat PH	Small Hydro	4,877,030	0	0	4,868,000	0%	EIA	1/13/2005
60502	Three Forks Water Power Project	Small Hydro	6,199,964	0	0	6,397,540	3%	RPS	3/7/2006
60030	Diablo Winds	Wind	61,444,602	0	0	61,444,000	0%	EIA	11/19/2004
60118	Altamont Midway Ltd	Wind	11,987,686	0	0	11,872,000	-1%	EIA	12/17/2004
60119*	Altamont Power LLC (3-4)	Wind	8,276,978	0	0	N/A	N/A	No Data	12/17/2004
60120*	Altamont Power LLC (4-4)	Wind	34,993,648	0	0	N/A	N/A	No Data	12/17/2004
60122*	Altamont Power LLC (6-4)	Wind	33,054,698	0	0	N/A	N/A	No Data	12/17/2004
60124	Buena Vista Wind Farm	Wind	100,761,000	0	0	100,762,000	0%	EIA	12/17/2004
60125*	Green Ridge Power LLC (10MW)	Wind	26,441,248	0	0	N/A	N/A	No Data	12/17/2004
60126*	Green Ridge Power LLC (100MW-A)	Wind	81,249,791	0	0	N/A	N/A	No Data	12/17/2004
60127*	Green Ridge Power LLC (100MW-B)	Wind	1,064,188	0	0	N/A	N/A	No Data	12/17/2004
60128*	Green Ridge Power LLC (100MW-C)	Wind	12,581,744	0	0	N/A	N/A	No Data	12/17/2004
60129*	Green Ridge Power LLC (100MW-D)	Wind	19,099,871	0	0	N/A	N/A	No Data	12/17/2004
60130*	Green Ridge Power LLC (110MW)	Wind	269,718,804	0	0	N/A	N/A	No Data	12/17/2004

60131*	Green Ridge Power LLC (23.8MW)	Wind	18,005,935	0	0	N/A	N/A	No Data	12/17/2004
60132*	Green Ridge Power LLC (30MW)	Wind	640,297	0	0	N/A	N/A	No Data	12/17/2004
60133*	Green Ridge Power LLC (5.9MW)	Wind	11,224,572	0	0	N/A	N/A	No Data	12/17/2004
60134*	Green Ridge Power LLC (70MW-A)	Wind	439,187	0	0	N/A	N/A	No Data	12/17/2004
60135*	Green Ridge Power LLC (70MW-B)	Wind	27,566,835	0	0	N/A	N/A	No Data	12/17/2004
60136*	Green Ridge Power LLC (70MW-C)	Wind	42,268,368	0	0	N/A	N/A	No Data	12/17/2004
60137*	Green Ridge Power LLC (70MW-D)	Wind	2,237,758	0	0	N/A	N/A	No Data	12/17/2004
60138*	Green Ridge Power LLC (70MW)	Wind	81,182,566	0	0	N/A	N/A	No Data	12/17/2004
60139	International Turbine Research	Wind	23,041,730	0	0	22,352,000	-3%	EIA	12/17/2004
60140	Northwind Energy Inc.	Wind	10,183,567	0	0	10,184,541	0%	Inv	12/17/2004
60141*	Patterson Pass Windfarm LLC	Wind	35,624,704	0	0	N/A	N/A	No Data	12/17/2004
60142*	Seawest Energy (Altech)	Wind	2,592,480	0	0	N/A	N/A	No Data	12/17/2004
60143*	Seawest Energy (CWES)	Wind	674,194	0	0	N/A	N/A	No Data	12/17/2004
60144*	Seawest Energy (Seawest)	Wind	27,170	0	0	N/A	N/A	No Data	12/17/2004
60145*	Seawest Energy (Taxvest)	Wind	4,807,632	0	0	N/A	N/A	No Data	12/17/2004
60146*	Seawest Energy (Viking)	Wind	701,126	0	0	N/A	N/A	No Data	12/17/2004

60147*	Seawest Energy (Western)	Wind	405,164	0	0	N/A	N/A	No Data	12/17/2004
60148*	Tres Vaqueros Wind Farms, LLC	Wind	12,828,285	0	0	N/A	N/A	No Data	12/17/2004
60257*	Donald R. Chenoweth	Wind	3,452	0	0	N/A	N/A	No Data	12/17/2004
60488	Shiloh I Wind Project	Wind	238,423,000	0	159,237,000	472,056,750	19%	EIA	11/16/2005
60553[C]	Rattlesnake Road Wind Farm	Wind	4,837,000	4,681,000	0	9,518,900	0%	RPS	11/27/2006
60602	Klondike Wind Power III	Wind	245,816,000	0	0	640,229,040	160%	EIA	7/5/2007
60639	Shiloh Wind Project 2, LLC	Wind	2,186,476	0	0	2,095,000	-4%	EIA	9/28/2007

* RPS identification numbers that end in the suffix E and show No Data in the column "Generation Data Used for Comparison with Procurement" are utility-certified facilities with no independently reported generation. As stated on page 47 in the RPS Eligibility Guidebook, Third Edition, the retail seller is responsible for reporting the generation data for the facilities it certifies. This reporting requirement will be satisfied through the CEC-RPS-Track forms and WREGIS State/Provincial/Voluntary Compliance Reports. Therefore, the asterisk indicates that the facility is utility-certified and that the procurement amount reported is accepted as reported on the RPS-Track form and/or WREGIS State/Provincial/Voluntary Compliance Report.

A PG&E has requested that 14,000 kWh from the procurement claims from Humboldt Bay Power Plant Unit 1 and 2 (RPS ID 60637 and 60638) be counted as withdrawn procurement.

B PG&E has requested that 3,896,000 kWh from the procurement claim from Waste Management Renewable Energy (RPS ID 60096) be counted as withdrawn procurement due to corrections in WREGIS. This procurement amount may be applied to PG&E's 2011 RPS procurement claims during a future verification process.

C This claim was initially considered a pending claim due to outstanding issues regarding energy delivery issues. However, in support of staff's recommendation, the Energy Commission accepted this claim as RPS-eligible at the November 14, 2013 Business Meeting.

2009 RPS Procurement Claims

CEC RPS ID Number[1]	Facility Name[2]	Fuel Type[3]	Annual Generation Procured (kWh)[4]	RPS Claims by Other Retail Sellers (kWh)[5]	Procurement Reported to PSDP/ Voluntary Programs (kWh)[6]	Generation Data Compared With Procurement (kWh)[7]	% Difference Between Generation and Procurement[8]	Generation Data Source[9]	Facility's Beginning On Date[10]
60637[1]	Humboldt Bay Power Plant Unit 1	Biomethane	1,593,000	0	0	552,072,000	34556%	EAO	9/24/2007
60638[A]	Humboldt Bay Power Plant Unit 2	Biomethane	1,364,000	0	0	552,072,000	40374%	EAO	9/24/2007
60758[A]	Gateway Generating Station	Biomethane	49,299,000	0	0	2,490,206,000	4951%	EAO	1/20/2009
60073	Burney Forest Products	Biomass	229,430,000	0	0	229,802,000	0%	EIA	12/17/2004
60074	Collins Pine	Biomass	47,687,000	0	0	60,726,000	27%	EAO	12/17/2004
60076	DG Fairhaven Power Co	Biomass	114,433,000	0	0	114,433,417	0%	ERFP	12/17/2004
60077	Honey Lake Power Company	Biomass	169,672,000	0	0	169,674,000	0%	EAO	12/17/2004
60078	Mendota Biomass Power Ltd	Biomass	190,951,000	0	0	190,950,629	0%	ERFP	12/17/2004
60079	Ogden Power Pacific, Inc. (Burney)	Biomass	59,081,000	0	0	59,082,105	0%	ERFP	12/17/2004
60080	Ogden Power Pacific, Inc. (CS)	Biomass	126,857,000	0	0	128,401,469	1%	EIA	12/17/2004
60081	Ogden Power Pacific, Inc. (Mt Lsn)	Biomass	57,764,000	0	0	57,762,681	0%	ERFP	12/17/2004

60082	Ogden Power Pacific, Inc. (Oroville)	Biomass	130,558,000	0	0	130,560,000	0%	EAO	12/17/2004
60083	Pacific Lumber Co.	Biomass	77,097,000	0	0	117,094,182	52%	EIA	12/17/2004
60084	Rio Bravo Fresno	Biomass	182,715,000	0	0	183,116,000	0%	EAO	12/17/2004
60085	Rio Bravo Rocklin	Biomass	181,167,000	0	0	181,305,000	0%	EIA	12/17/2004
60086	SPI Anderson I	Biomass	8,955,000	0	0	30,954,000	246%	EIA	12/17/2004
60087	SPI Burney	Biomass	90,667,000	0	0	108,836,000	20%	EIA	12/17/2004
60088	SPI Lincoln	Biomass	86,513,000	0	0	124,860,000	44%	EAO	12/17/2004
60089	SPI Quincy	Biomass	120,122,000	0	0	159,598,980	33%	EIA	12/17/2004
60091	Thermal Energy Development Corp.	Biomass	132,632,000	0	0	133,366,000	1%	EIA	12/17/2004
60092	Wadham Energy Limited Partnership	Biomass	173,193,000	0	0	173,678,000	0%	EIA	12/17/2004
60094	Wheelabrator Shasta Energy Co	Biomass	394,720,000	0	0	395,383,000	0%	EAO	12/17/2004
60095	Woodland Biomass Power, Ltd.	Biomass	159,517,000	0	0	159,528,000	0%	EIA	12/17/2004
60272	Community Renewable Energy Service	Biomass	62,846,000	0	0	63,352,000	1%	EAO	12/17/2004
60273	Madera Power	Biomass	135,342,000	0	0	135,322,552	0%	ERFP	12/17/2004
60274	Sierra Power Corporation	Biomass	43,191,000	0	0	48,150,000	11%	EIA	12/17/2004
60471	Chowchilla II	Biomass	51,339,000	0	0	51,795,000	1%	EAO	7/25/2005
60473	El Nido	Biomass	44,577,000	4,235,000	498,000	48,811,707	-1%	RPS	7/25/2005
60492	Big Valley Power	Biomass	1,589,000	0	0	1,588,635	0%	RPS	2/14/2006
60576	SPI - Sonora	Biomass	17,870,000	0	7,959,700	34,947,160	65%	EIA	4/23/2007

60695	Mt. Poso Cogeneration Plant	Biomass	38,422,000	0	0	38,422,823	0%	Inv	5/12/2008
60198	Calaveras Yuba Hydro #1	Conduit Hydroelectric	361,000	0	0	361,194	0%	Inv	12/17/2004
60199	Calaveras Yuba Hydro #2	Conduit Hydroelectric	355,000	0	0	355,858	0%	RPS	12/17/2004
60200	Calaveras Yuba Hydro #3	Conduit Hydroelectric	181,000	0	0	182,283	1%	RPS	12/17/2004
60271	Etiwanda Small Conduit Hydroelectric Power Plant	Conduit Hydroelectric	28,664,000	0	0	30,426,000	6%	EIA	12/17/2004
60567	Buckeye Power Plant	Conduit Hydroelectric	1,651,000	0	0	1,665,013	1%	RPS	4/23/2007
60568	Tunnel Hill Power Plant	Conduit Hydroelectric	1,567,000	0	0	1,568,708	0%	RPS	4/23/2007
60814	Combie North Powerhouse	Conduit Hydroelectric	221,000	0	0	221,705	0%	RPS	7/13/2009
60101	MWWTP Power Generation Station	Digester Gas	2,627,000	0	0	34,920,064	1229%	RPS	12/17/2004
60108	Monterey Regional Water	Digester Gas	254,000	0	0	6,321,000	2389%	EIA	12/17/2004
60190*	City Of Watsonville	Digester Gas	63,000	0	0	N/A	N/A	No Data	12/17/2004
60191*	Langerwerf Dairy	Digester Gas	123,000	0	0	N/A	N/A	No Data	12/17/2004
60628	Castelanelli Bros Dairy	Digester Gas	707,000	0	0	685,000	-3%	RPS	8/2/2007
60002	Calpine Geothermal Unit 5/6	Geothermal	678,253,000	880,000	10,624	689,755,000	2%	EAO	6/14/2004
60003	Calpine Geothermal Unit 7-8	Geothermal	585,687,000	3,851,000	0	589,537,000	0%	EAO	6/14/2004

60004	Calpine Geothermal Unit 12	Geothermal	512,000	425,301,000	0	425,812,000	0%	EAO	6/14/2004
60005	Calpine Geothermal Unit 13	Geothermal	423,156,000	48,467,000	1,729	484,391,000	3%	EAO	6/14/2004
60006	Calpine Geothermal Unit 16	Geothermal	2,561,000	404,934,000	0	407,496,000	0%	EAO	6/14/2004
60007	Calpine Geothermal Unit 17	Geothermal	34,425,000	335,945,000	32,016	402,386,000	9%	EAO	6/14/2004
60008	Calpine Geothermal Unit 18	Geothermal	75,713,000	277,011,000	38,600	394,321,000	12%	EAO	6/14/2004
60009	Calpine Geothermal Unit 20	Geothermal	142,027,000	163,065,000	36,883	341,974,000	12%	EAO	6/14/2004
60010	Sonoma/Calpine Geyser	Geothermal	113,071,000	129,871,000	56,488	299,430,000	23%	EAO	6/14/2004
60025	Calpine Geothermal Unit 11	Geothermal	352,735,000	154,443,000	17,644	524,822,000	3%	EAO	6/14/2004
60026	Calpine Geothermal Unit 14	Geothermal	7,305,000	413,674,000	0	420,978,000	0%	EAO	6/14/2004
60111[B]	Amedee Geothermal Venture I	Geothermal	3,819,000	0	0	3,699,000	-3%	EIA	12/17/2004
60112	Bear Canyon Power Plant	Geothermal	107,514,000	1,094,000	0	108,608,000	0%	EIA	12/17/2004
60114	West Ford Flat Power Plant	Geothermal	222,484,000	1,000	0	222,486,000	0%	EIA	12/17/2004
60115	Aidlin Power Plant	Geothermal	144,097,000	1,000	0	144,099,000	0%	EAO	12/17/2004
60117	Calistoga Power Plant	Geothermal	426,231,000	43,941,000	0	493,339,000	5%	EAO	12/17/2004
60193*[C]	Wineagle Developers 1	Geothermal	3,078,000	0	0	N/A	N/A	No Data	12/17/2004
60604	Bottle Rock Power Plant	Geothermal	88,061,000	0	0	88,259,000	0%	RPS	7/26/2007

60096	Waste Management Renewable Energy	Landfill Gas	35,573,000	0	0	43,646,000	23%	EIA	12/17/2004
60098	Covanta Pacific Power (Salinas)	Landfill Gas	5,697,000	0	0	5,989,000	5%	EIA	12/17/2004
60100*	Covanta Pacific Power (Stockton)	Landfill Gas	5,345,000	0	0	N/A	N/A	No Data	12/17/2004
60102	Gas Recovery System-American Canyon	Landfill Gas	6,699,000	0	0	6,710,000	0%	EIA	12/17/2004
60103	Gas Recovery System-Guadalupe	Landfill Gas	17,574,000	0	0	17,568,000	0%	EIA	12/17/2004
60104	Gas Recovery System-Menlo Park	Landfill Gas	8,886,000	0	0	8,897,000	0%	EIA	12/17/2004
60105	Gas Recovery System-Newby Island II	Landfill Gas	31,852,000	0	0	31,854,000	0%	EAO	12/17/2004
60106	Gas Recovery System-Santa Cruz	Landfill Gas	707,000	0	0	1,861,018	163%	RPS	12/17/2004
60107	Monterey Regional Waste Mgt Dist	Landfill Gas	23,387,000	0	4,010,000	30,185,000	10%	EAO	12/17/2004
60110	Stanislaus Resource Recovery Facility	MSW, Combustion	132,644,000	0	0	132,372,000	0%	EAO	12/17/2004
60255*	Robin Williams Solar Power Gen	Photovoltaic	2,000	0	0	N/A	N/A	No Data	12/17/2004
60634*	AT&T Park Solar Arrays	Photovoltaic	165,000	0	0	N/A	N/A	No Data	9/24/2007
60635*	San Francisco Service Center Solar Array 1	Photovoltaic	102,000	0	0	N/A	N/A	No Data	9/24/2007
60636*	San Francisco Service Center Solar Array 2	Photovoltaic	186,000	0	0	N/A	N/A	No Data	9/24/2007

60713	El Dorado Energy (Solar Expansion)	Photovoltaic	21,695,000	0	0	21,695,120	0%	RPS	7/21/2008
60966*	Vaca Dixon Solar Station	Photovoltaic	51,000	0	0	N/A	N/A	No Data	12/21/2009
60032	A.G. Wishon PH	Small Hydro	40,267,000	0	0	41,121,000	2%	EIA	12/21/2004
60033	Alta PH	Small Hydro	4,131,000	0	0	4,129,000	0%	EIA	12/21/2004
60034	Centerville PH	Small Hydro	10,387,000	0	0	10,278,000	-1%	EIA	12/21/2004
60035	Chili Bar PH	Small Hydro	26,062,000	0	0	26,046,000	0%	EIA	12/21/2004
60037	Coleman PH	Small Hydro	48,068,000	0	0	48,069,000	0%	EAO	12/21/2004
60038	Cow Creek PH	Small Hydro	5,957,000	0	0	5,954,000	0%	EAO	12/21/2004
60039*	Crane Valley PH	Small Hydro	2,308,000	0	0	N/A	N/A	No Data	12/21/2004
60040	Deer Creek PH	Small Hydro	23,238,000	0	0	23,226,000	0%	EIA	12/21/2004
60041	De Sabla PH	Small Hydro	68,600,000	0	0	68,601,000	0%	EAO	12/21/2004
60042	Dutch No. 1 PH	Small Hydro	89,411,000	0	0	86,305,000	-3%	EAO	12/21/2004
60043	Halsey PH	Small Hydro	49,341,000	0	0	49,331,000	0%	EIA	12/21/2004
60044	Hamilton Branch PH	Small Hydro	8,076,000	0	0	8,052,000	0%	EIA	12/21/2004
60045	Hat Creek No. 1 PH	Small Hydro	30,643,000	0	0	30,643,000	0%	EIA	12/21/2004
60046	Hat Creek No. 2 PH	Small Hydro	41,807,000	0	0	41,802,000	0%	EIA	12/21/2004
60047	Inskip PH	Small Hydro	37,874,000	0	0	37,872,000	0%	EIA	12/21/2004
60048	Kern Canyon PH	Small Hydro	52,459,000	0	0	52,460,000	0%	EAO	12/21/2004
60049	Kilarc PH	Small Hydro	11,335,000	0	0	11,329,000	0%	EIA	12/21/2004
60050	Lime Saddle PH	Small Hydro	5,050,000	0	0	5,039,000	0%	EAO	12/21/2004
60051	Merced Falls PH	Small Hydro	10,932,000	0	0	10,890,000	0%	EIA	12/21/2004
60052	Narrows No. 1 PH	Small Hydro	77,135,000	0	0	77,128,000	0%	EAO	12/21/2004
60053	Newcastle PH	Small Hydro	21,839,000	0	0	21,839,030	0%	EAO	12/21/2004
60054	Phoenix PH	Small Hydro	9,429,000	0	0	9,416,000	0%	EIA	12/21/2004

60055	Potter Valley PH	Small Hydro	19,715,000	0	0	19,712,000	0%	EIA	12/21/2004
60056*	San Joaquin No. 1-A PH	Small Hydro	855,000	0	0	N/A	N/A	No Data	12/21/2004
60057	San Joaquin No. 2 PH	Small Hydro	8,811,000	0	0	8,810,000	0%	EIA	12/21/2004
60058	San Joaquin No. 3 PH	Small Hydro	11,099,000	0	0	11,097,000	0%	EIA	12/21/2004
60059	South PH	Small Hydro	42,665,000	0	0	42,665,000	0%	EIA	12/21/2004
60060	Spaulding No. 1 PH	Small Hydro	29,783,000	0	0	41,185,000	38%	EIA	12/21/2004
60061	Spaulding No. 2 PH	Small Hydro	15,745,000	0	0	15,178,000	-4%	EAO	12/21/2004
60062	Spaulding No. 3 PH	Small Hydro	32,981,000	0	0	32,979,000	0%	EIA	12/21/2004
60063	Spring Gap PH	Small Hydro	38,579,000	0	0	38,573,000	0%	EIA	12/21/2004
60064	Toadtown PH	Small Hydro	3,347,000	0	0	3,312,000	-1%	EIA	12/21/2004
60065	Tule PH	Small Hydro	17,809,000	0	0	17,803,000	0%	EIA	12/21/2004
60066	Volta No. 1 PH	Small Hydro	31,279,000	0	0	31,279,000	0%	EIA	12/21/2004
60067	Volta No. 2 PH	Small Hydro	2,258,000	0	0	2,250,000	0%	EIA	12/21/2004
60068	West Point PH	Small Hydro	86,547,000	0	0	86,535,000	0%	EIA	12/21/2004
60069	Wise No. 1 PH	Small Hydro	76,873,000	0	0	80,470,060	5%	EAO	12/21/2004
60070	Wise No. 2 PH	Small Hydro	3,616,000	0	0	80,470,060	2125%	EAO	12/21/2004
60151*	American Energy, Inc (Wolfsen)	Small Hydro	843,000	0	0	N/A	N/A	No Data	12/17/2004
60152*	Baker Station Associates L.P.	Small Hydro	2,761,000	0	0	N/A	N/A	No Data	12/17/2004
60153	Calaveras City Water District	Small Hydro	5,000,000	0	0	5,127,000	3%	EAO	12/17/2004
60154	El Dorado (Montgomery Crk)	Small Hydro	6,442,000	0	0	6,427,000	0%	EAO	12/17/2004
60155	Far West Power Corporation	Small Hydro	87,000	0	0	22,145,000	25354%	EAO	12/17/2004

60156	Friant Power Authority	Small Hydro	97,858,000	0	0	97,853,000	0%	EAO	12/17/2004
60157	Haypress Hydroelectric (LWR)	Small Hydro	7,435,000	0	0	14,906,140	100%	EAO	12/17/2004
60158	Haypress Hydroelectric (MDDL)	Small Hydro	7,472,000	0	0	14,906,140	99%	EAO	12/17/2004
60159	Humboldt Bay Muni Water Dist	Small Hydro	4,107,000	0	0	4,107,231	0%	Inv	12/17/2004
60160	Hypower, Inc.	Small Hydro	31,446,000	0	0	39,604,000	26%	EAO	12/17/2004
60161	Indian Vly Hydro Elec Ptrn.	Small Hydro	1,309,000	0	0	1,309,000	0%	EIA	12/17/2004
60162	Kern Hydro Partners (Olcese)	Small Hydro	32,792,000	0	0	32,781,000	0%	EIA	12/17/2004
60163	Madera Chowchilla	Small Hydro	5,218,000	0	0	9,021,000	73%	EAO	12/17/2004
60164	Malacha Hydro Ltd. Partnership	Small Hydro	32,065,000	0	0	32,066,000	0%	EIA	12/17/2004
60165	Mega Renewables (Bidwell Ditch)	Small Hydro	11,654,000	0	0	11,654,316	0%	EAO	12/17/2004
60166	Mega Renewables (Hatchet Crk)	Small Hydro	12,436,000	0	0	12,423,000	0%	EIA	12/17/2004
60167	Mega Renewables (Roaring Crk)	Small Hydro	3,691,000	0	0	3,691,000	0%	EAO	12/17/2004
60168	Merced ID (Parker)	Small Hydro	5,821,000	0	0	5,816,000	0%	EAO	12/17/2004
60169	Monterey County Water Res Agency	Small Hydro	9,859,000	0	0	9,956,000	1%	EAO	12/17/2004
60170	Nelson Creek Power Inc.	Small Hydro	2,202,000	0	0	2,203,000	0%	EAO	12/17/2004
60171	Nevada Power Authority	Small Hydro	12,675,000	0	0	12,689,000	0%	EIA	12/17/2004

60172	NID/Combie South	Small Hydro	4,844,000	0	0	4,845,000	0%	EIA	12/17/2004
60173	Scotts Flat Powerhouse	Small Hydro	3,287,000	0	0	3,288,000	0%	EIA	12/17/2004
60175	Olsen Power Partners, Inc.	Small Hydro	4,561,000	0	0	5,061,000	11%	EAO	12/17/2004
60176	Rock Creek Limited Partnership	Small Hydro	1,276,000	0	0	1,289,000	1%	EAO	12/17/2004
60177	Snow Mountain Hydro LLC (Burney)	Small Hydro	3,827,000	0	0	3,828,000	0%	EIA	12/17/2004
60178	Snow Mountain Hydro LLC (Cove)	Small Hydro	9,759,000	0	0	9,759,000	0%	EIA	12/17/2004
60179	Lost Creek 1	Small Hydro	5,250,000	0	0	5,262,000	0%	EAO	12/17/2004
60180*	Lost Creek 2	Small Hydro	2,576,000	0	0	N/A	N/A	No Data	12/17/2004
60181	Snow Mntn Hydro LLC (Ponderosa)	Small Hydro	1,211,000	0	0	1,211,000	0%	EIA	12/17/2004
60182	Sonoma County Water Agency	Small Hydro	7,805,000	0	0	9,795,000	25%	EAO	12/17/2004
60183	South S J ID (Frankenheimer)	Small Hydro	15,137,000	0	0	15,135,000	0%	EAO	12/17/2004
60184	South San Joaquin ID (Woodward)	Small Hydro	5,223,000	0	0	5,225,000	0%	EAO	12/17/2004
60185	STS Hydropower Ltd. (Kanaka)	Small Hydro	757,000	0	0	770,000	2%	EIA	12/17/2004
60186	STS Hydropower Ltd. (Kekawaka)	Small Hydro	5,293,000	0	0	5,293,000	0%	EIA	12/17/2004
60187	TKO Power (South Fork Bear)	Small Hydro	1,870,000	0	0	1,852,000	-1%	EAO	12/17/2004
60188	Tri-Dam Authority (Sandbar)	Small Hydro	89,410,000	0	0	149,362,000	67%	EIA	12/17/2004

60189	Yuba County Water	Small Hydro	1,801,000	0	0	1,823,000	1%	EIA	12/17/2004
60194*	Arbuckle Mountain Hydro	Small Hydro	117,000	0	0	N/A	N/A	No Data	12/17/2004
60195*	Bailey Creek Ranch	Small Hydro	958,000	0	0	N/A	N/A	No Data	12/17/2004
60196*	Bertha Wright Bertillion	Small Hydro	36,000	0	0	N/A	N/A	No Data	12/17/2004
60197*	Browns Valley ID	Small Hydro	1,910,000	0	0	N/A	N/A	No Data	12/17/2004
60201*	Canal Creek Power Plant (Reta)	Small Hydro	1,152,000	0	0	N/A	N/A	No Data	12/17/2004
60202*	Charcoal Ravine	Small Hydro	17,000	0	0	N/A	N/A	No Data	12/17/2004
60206*	Digger Creek Ranch	Small Hydro	2,537,000	0	0	N/A	N/A	No Data	12/17/2004
60207*	E J M McFadden	Small Hydro	216,000	0	0	N/A	N/A	No Data	12/17/2004
60208*	Eagle Hydro	Small Hydro	2,027,000	0	0	N/A	N/A	No Data	12/17/2004
60209*	Eric and Debbie Watternburg	Small Hydro	188,000	0	0	N/A	N/A	No Data	12/17/2004
60210*	Fairfield Power Plant	Small Hydro	2,097,000	0	0	N/A	N/A	No Data	12/17/2004
60211*	Five Bears Hydroelectric	Small Hydro	258,000	0	0	N/A	N/A	No Data	12/17/2004
60214*	Vecino Vineyards LLC	Small Hydro	40,000	0	0	N/A	N/A	No Data	12/17/2004
60215*	Hat Creek Hereford Ranch	Small Hydro	292,000	0	0	N/A	N/A	No Data	12/17/2004
60216*	Henwood Associates	Small Hydro	1,678,000	171,000	0	N/A	N/A	No Data	12/17/2004
60217*	Jackson Valley Irrigation Dist	Small Hydro	210,000	0	0	N/A	N/A	No Data	12/17/2004
60218*	James B. Peter	Small Hydro	102,000	0	0	N/A	N/A	No Data	12/17/2004
60219*	James Crane Hydro	Small Hydro	5,000	0	0	N/A	N/A	No Data	12/17/2004
60220*	John Neerhout Jr.	Small Hydro	10,000	0	0	N/A	N/A	No Data	12/17/2004

60221*	Kings River Hydro Co.	Small Hydro	1,369,000	0	0	N/A	N/A	No Data	12/17/2004
60222*	Lassen Station Hydro	Small Hydro	2,506,000	0	0	N/A	N/A	No Data	12/17/2004
60223*	Lofton Ranch	Small Hydro	999,000	0	0	N/A	N/A	No Data	12/17/2004
60224*	Madera Canal (1174 + 84)	Small Hydro	1,152,000	0	0	N/A	N/A	No Data	12/17/2004
60225*	Madera Canal (1923)	Small Hydro	1,970,000	0	0	N/A	N/A	No Data	12/17/2004
60226*	Madera Canal Station 1302	Small Hydro	692,000	0	0	N/A	N/A	No Data	12/17/2004
60227*	Mega Hydro #1 (Clover Creek)	Small Hydro	2,532,000	0	0	N/A	N/A	No Data	12/17/2004
60228*	Mega Hydro (Goose Valley Ranch)	Small Hydro	175,000	0	0	N/A	N/A	No Data	12/17/2004
60229*	Mega Renewables (Silver Springs)	Small Hydro	1,877,000	0	0	N/A	N/A	No Data	12/17/2004
60230*	Mill & Sulphur Creek	Small Hydro	1,205,000	0	0	N/A	N/A	No Data	12/17/2004
60232	Orange Cove Irrigation District - Friant Fishwater Release Hydroelectric Facility	Small Hydro	3,503,000	0	0	3,504,329	0%	RPS	12/17/2004
60234*	Placer County Water Agency	Small Hydro	3,296,000	0	0	N/A	N/A	No Data	12/17/2004
60236*	Rock Creek Water District	Small Hydro	707,000	0	0	N/A	N/A	No Data	12/17/2004
60237*	Santa Clara Valley Water Dist.	Small Hydro	740,000	0	0	N/A	N/A	No Data	12/17/2004
60238	Schaads Hydro	Small Hydro	557,000	0	0	556,765	0%	RPS	12/17/2004
60239*	Shamrock Utilities (Cedar Flat)	Small Hydro	1,171,000	0	0	N/A	N/A	No Data	12/17/2004

60240*	Shamrock Utilities (Clover Leaf)	Small Hydro	478,000	0	0	N/A	N/A	No Data	12/17/2004
60242	Sierra Energy	Small Hydro	94,000	0	0	2,603,000	2669%	EAO	12/17/2004
60243*	South Sutter Water	Small Hydro	706,000	0	0	N/A	N/A	No Data	12/17/2004
60244*	Steve & Bonnie Tetrick	Small Hydro	183,000	0	0	N/A	N/A	No Data	12/17/2004
60246*	Sutter's Mill	Small Hydro	639,000	0	0	N/A	N/A	No Data	12/17/2004
60247*	Swiss America	Small Hydro	275,000	0	0	N/A	N/A	No Data	12/17/2004
60249	Tom Benninghoven	Small Hydro	66,000	0	0	N/A	N/A	No Data	12/17/2004
60250*	Water Wheel Ranch	Small Hydro	2,582,000	0	0	N/A	N/A	No Data	12/17/2004
60251*	Youth with a Mission/Spgs Of Lv Wat	Small Hydro	151,000	0	0	N/A	N/A	No Data	12/17/2004
60252*	Yuba County Water Agency	Small Hydro	1,055,000	0	0	N/A	N/A	No Data	12/17/2004
60263	MID (McSwain)	Small Hydro	24,670,000	0	0	105,396,000	327%	EAO	12/17/2004
60264	NID (Dutch Flat #2)	Small Hydro	82,618,000	0	0	82,615,000	0%	EIA	12/17/2004
60265	NID (Rollins)	Small Hydro	66,725,000	0	0	66,721,000	0%	EIA	12/17/2004
60266	Kelly Ridge Powerhouse	Small Hydro	72,137,000	0	0	72,385,000	0%	EIA	12/17/2004
60267	Sly Creek Powerhouse	Small Hydro	32,279,000	0	0	32,209,000	0%	EAO	12/17/2004
60268	PCWA (French Meadows)	Small Hydro	55,968,000	0	0	54,336,000	-3%	EAO	12/17/2004
60269	PCWA (Oxbow)	Small Hydro	26,631,000	0	0	26,668,000	0%	EIA	12/17/2004
60270	SID (Monticello)	Small Hydro	40,409,000	0	0	39,665,000	-2%	EIA	12/17/2004
60276	Oak Flat PH	Small Hydro	6,207,000	0	0	6,203,000	0%	EIA	1/13/2005
60502	Three Forks Water Power Project	Small Hydro	5,924,000	0	0	6,076,400	3%	RPS	3/7/2006

60030	Diablo Winds	Wind	65,570,000	0	0	67,607,000	3%	EIA	11/19/2004
60118	Altamont Midway Ltd	Wind	13,905,000	0	0	13,904,000	0%	EIA	12/17/2004
60119*	Altamont Power LLC (3-4)	Wind	7,594,000	0	0	N/A	N/A	No Data	12/17/2004
60120*	Altamont Power LLC (4-4)	Wind	32,561,000	0	0	N/A	N/A	No Data	12/17/2004
60122*	Altamont Power LLC (6-4)	Wind	29,078,000	0	0	N/A	N/A	No Data	12/17/2004
60124	Buena Vista Wind Farm	Wind	100,746,000	0	0	98,015,000	-3%	EIA	12/17/2004
60125*	Green Ridge Power LLC (10MW)	Wind	19,557,000	0	0	N/A	N/A	No Data	12/17/2004
60126*	Green Ridge Power LLC (100MW-A)	Wind	84,296,000	0	0	N/A	N/A	No Data	12/17/2004
60128*	Green Ridge Power LLC (100MW-C)	Wind	11,442,000	0	0	N/A	N/A	No Data	12/17/2004
60129*	Green Ridge Power LLC (100MW-D)	Wind	17,458,000	0	0	N/A	N/A	No Data	12/17/2004
60130*	Green Ridge Power LLC (110MW)	Wind	276,184,000	0	0	N/A	N/A	No Data	12/17/2004
60131*	Green Ridge Power LLC (23.8MW)	Wind	18,943,000	0	0	N/A	N/A	No Data	12/17/2004
60133*	Green Ridge Power LLC (5.9MW)	Wind	11,817,000	0	0	N/A	N/A	No Data	12/17/2004
60135*	Green Ridge Power LLC (70MW-B)	Wind	19,933,000	0	0	N/A	N/A	No Data	12/17/2004
60136*	Green Ridge Power LLC (70MW-C)	Wind	30,963,000	0	0	N/A	N/A	No Data	12/17/2004

60137*	Green Ridge Power LLC (70MW-D)	Wind	1,616,000	0	0	N/A	N/A	No Data	12/17/2004
60138*	Green Ridge Power LLC (70MW)	Wind	87,921,000	0	0	N/A	N/A	No Data	12/17/2004
60139	International Turbine Research	Wind	25,941,000	0	0	26,164,000	1%	EIA	12/17/2004
60140	Northwind Energy Inc.	Wind	15,261,000	0	0	15,260,000	0%	EIA	12/17/2004
60141*	Patterson Pass Windfarm LLC	Wind	40,003,000	0	0	N/A	N/A	No Data	12/17/2004
60142*	Seawest Energy (Altech)	Wind	6,010,000	0	0	N/A	N/A	No Data	12/17/2004
60143*	Seawest Energy (CWES)	Wind	2,000	0	0	N/A	N/A	No Data	12/17/2004
60144*	Seawest Energy (Seawest)	Wind	68,000	0	0	N/A	N/A	No Data	12/17/2004
60145*	Seawest Energy (Taxvest)	Wind	758,000	0	0	N/A	N/A	No Data	12/17/2004
60146*	Seawest Energy (Viking)	Wind	1,763,000	0	0	N/A	N/A	No Data	12/17/2004
60147*	Seawest Energy (Western)	Wind	2,814,000	0	0	N/A	N/A	No Data	12/17/2004
60148*	Tres Vaqueros Wind Farms, LLC	Wind	11,442,000	0	0	N/A	N/A	No Data	12/17/2004
60257*	Donald R. Chenoweth	Wind	11,000	0	0	N/A	N/A	No Data	12/17/2004
60488	Shiloh I Wind Project	Wind	197,999,000	0	132,160,590	395,797,880	20%	EIA	11/16/2005
60553	Rattlesnake Road Wind Farm	Wind	227,666,000	0	0	225,337,000	-1%	EIA	11/27/2006
60564	Wolverine Creek	Wind	24,570,000	67,304,000	0	153,791,000	67%	EIA	6/7/2007

60639	Shiloh Wind Project 2, LLC	Wind	408,052,000	0	0	407,961,000	0%	EIA	9/28/2007
60602 & 60694	Klondike Wind Power III & Klondike Wind Power IIIA	Wind	440,123,000	132,409,000	0	766,641,850	34%	EIA	7/5/2007
60721	White Creek Wind I	Wind	52,295,000	267,516,000	0	551,471,000	72%	EIA	2/28/2008
60776	Big Horn Wind Project	Wind	75,000,000	98,891,000	69,075,000	512,480,560	111%	EIA	1/5/2009
60804	Glenrock III	Wind	33,161,000	9,015,000	0	337,581,000	700%	EIA	2/5/2009
60805	Glenrock I	Wind	28,794,000	88,757,000	0	337,581,000	187%	EIA	2/5/2009
60807	Seven Mile Hill I	Wind	111,803,000	4,761,000	0	369,520,000	217%	EIA	2/12/2009
60808	Seven Mile Hill II	Wind	22,569,000	995,000	0	369,520,000	1468%	EIA	2/12/2009

* RPS identification numbers that end in the suffix E and show No Data in the column "Generation Data Used for Comparison with Procurement" are utility-certified facilities with no independently reported generation. As stated on page 47 in the RPS Eligibility Guidebook, Third Edition, the retail seller is responsible for reporting the generation data for the facilities it certifies. This reporting requirement will be satisfied through the CEC-RPS-Track forms and WREGIS State/Provincial/Voluntary Compliance Reports. Therefore, the asterisk indicates that the facility is utility-certified and that the procurement amount reported is accepted as reported on the RPS-Track form and/or WREGIS State/Provincial/Voluntary Compliance Report.

A PG&E has requested that 1,912,000 kWh from the procurement claims from Humboldt Bay Power Plant Unit 1 and 2 (RPS ID 60637 and 60638), and Gateway Generating Station (RPS ID 60758) be counted as withdrawn procurement.

B PG&E has requested that 1,510 kWh from the procurement claim from Amedee Geothermal Venture I (RPS ID 60111) be counted as withdrawn procurement due to corrections in WREGIS. This procurement amount may be applied to PG&E's 2012 RPS procurement claims during a future verification process.

C PG&E has requested that 125,650 kWh from the procurement claim from Wineagle Developers 1(RPS ID 60193) be counted as withdrawn procurement due to corrections in WREGIS. This procurement amount may be applied to PG&E's 2012 RPS procurement claims during a future verification process.

2010 RPS Procurement Claims

CEC RPS ID Number[1]	Facility Name[2]	Fuel Type[3]	Annual Generation Procured (kWh)[4]	RPS Claims by Other Retail Sellers (kWh)[5]	Procurement Reported to PSDP/ Voluntary Programs (kWh)[6]	Generation Data Compared With Procurement (kWh)[7]	% Difference Between Generation and Procurement[8]	Generation Data Source[9]	Facility's Beginning On Date[10]
60758	Gateway Generating Station	Biogas	31,605,000	0	0	3,099,375,000	9707%	EAO	1/20/2009
60073	Burney Forest Products	Biomass	222,269,000	0	0	222,269,132	0%	ERFP	12/17/2004
60074	Collins Pine	Biomass	43,604,000	0	0	57,565,000	32%	EAO	12/17/2004
60076	DG Fairhaven Power Co	Biomass	97,549,000	0	0	97,304,020	0%	EAO	12/17/2004
60077	Honey Lake Power Company	Biomass	168,804,000	0	0	168,834,000	0%	EAO	12/17/2004
60078	Mendota Biomass Power Ltd	Biomass	173,936,000	0	0	173,935,645	0%	ERFP	12/17/2004
60079	Ogden Power Pacific, Inc. (Burney)	Biomass	65,486,000	0	0	65,485,020	0%	EAO	12/17/2004
60080	Ogden Power Pacific, Inc. (CS)	Biomass	112,908,000	0	0	112,908,614	0%	ERFP	12/17/2004
60081	Ogden Power Pacific, Inc. (Mt Lsn)	Biomass	64,051,000	0	0	65,754,010	3%	EAO	12/17/2004
60082	Ogden Power Pacific, Inc. (Oroville)	Biomass	69,472,000	0	0	69,472,060	0%	EAO	12/17/2004
60083	Pacific Lumber Co.	Biomass	98,241,000	0	0	122,860,080	25%	EAO	12/17/2004
60084	Rio Bravo Fresno	Biomass	177,925,000	0	0	177,965,000	0%	EAO	12/17/2004
60085	Rio Bravo Rocklin	Biomass	172,137,000	0	0	172,275,000	0%	EAO	12/17/2004
60086	SPI Anderson I	Biomass	5,847,000	0	0	28,661,000	390%	EAO	12/17/2004

60087	Sierra Pacific Industry (Burney)	Biomass	93,386,000	0	0	112,021,000	20%	EIA	12/17/2004
60088	SPI Lincoln	Biomass	78,202,000	0	0	116,469,000	49%	EAO	12/17/2004
60089	SPI Quincy	Biomass	111,434,000	0	0	151,953,000	36%	EIA	12/17/2004
60091	Thermal Energy Development Corp.	Biomass	137,081,000	0	0	137,869,000	1%	EAO	12/17/2004
60092	Wadham Energy Limited Partnership	Biomass	175,190,000	0	0	175,653,000	0%	EAO	12/17/2004
60094	Wheelabrator Shasta Energy Co	Biomass	397,561,000	0	0	397,589,000	0%	EAO	12/17/2004
60095	Woodland Biomass Power, Ltd.	Biomass	175,668,000	0	0	175,584,000	0%	EAO	12/17/2004
60272	Community Renewable Energy Service	Biomass	79,977,000	0	0	80,552,000	1%	EAO	12/17/2004
60273	Madera Power	Biomass	123,060,000	0	0	123,058,000	0%	EAO	12/17/2004
60274	Sierra Power Corporation	Biomass	43,444,000	0	0	43,443,383	0%	ERFP	12/17/2004
60471	Chowchilla II	Biomass	16,778,000	0	0	16,828,060	0%	EAO	7/25/2005
60473	El Nido	Biomass	8,274,000	0	0	8,274,060	0%	EAO	7/25/2005
60492	Big Valley Power	Biomass	3,215,000	0	0	3,077,074	-4%	RPS	2/14/2006
60695	Mt. Poso Cogeneration Plant	Biomass	43,905,000	0	0	43,904,701	0%	Inv	5/12/2008
61060	Stockton Cogen Facility	Biomass	36,722,000	0	0	336,886,000	817%	EIA	4/15/2010
60198	Calaveras Yuba Hydro #1	Conduit Hydro	329,000	0	0	346,038	5%	RPS	12/17/2004
60199	Calaveras Yuba Hydro #2	Conduit Hydro	311,000	0	0	309,836	0%	RPS	12/17/2004
60200	Calaveras Yuba Hydro	Conduit	151,000	0	0	152,436	1%	RPS	12/17/2004

	#3	Hydro							
60271	Etiwanda Small Conduit Hydroelectric Power Plant	Conduit Hydro	28,282,000	0	0	30,141,000	7%	EAO	12/17/2004
60567	Buckeye Power Plant	Conduit Hydro	1,499,000	0	0	1,499,356	0%	RPS	4/23/2007
60568	Tunnel Hill Power Plant	Conduit Hydro	2,149,000	0	0	2,149,677	0%	RPS	4/23/2007
60814	Combie North Powerhouse	Conduit Hydro	1,922,000	0	0	1,922,513	0%	RPS	7/13/2009
60970	SGE Site #1	Conduit Hydro	35,000	0	0	35,590	2%	RPS	12/8/2009
60101	MWWTP Power Generation Station	Digester Gas	2,290,000	0	0	36,166,207	1479%	RPS	12/17/2004
60108	Monterey Regional Water	Digester Gas	378,000	0	0	7,623,000	1917%	EAO	12/17/2004
60190*[A]	City Of Watsonville	Digester Gas	92,000	0	0	N/A	N/A	No Data	12/17/2004
60191*	Langerwerf Dairy	Digester Gas	171,000	0	0	N/A	N/A	No Data	12/17/2004
60628	Castelanelli Bros Dairy	Digester Gas	1,327,000	0	0	1,327,000	0%	RPS	8/2/2007
61148	Blake's Landing Farms	Digester Gas	24,000	0	0	24,275	1%	Inv	9/14/2010
60002	Calpine Geothermal Unit 5/6	Geothermal	694,417,000	0	0	694,416,000	0%	EAO	6/14/2004
60003	Calpine Geothermal Unit 7-8	Geothermal	636,486,000	2,000	0	636,489,000	0%	EAO	6/14/2004
60004	Calpine Geothermal Unit 12	Geothermal	12,534,000	402,491,000	0	415,025,000	0%	EAO	6/14/2004
60005	Calpine Geothermal Unit 13	Geothermal	477,463,000	9,648,000	0	487,108,000	0%	EAO	6/14/2004

60006	Calpine Geothermal Unit 16	Geothermal	90,000	396,136,000	0	396,226,000	0%	EAO	6/14/2004
60008	Calpine Geothermal Unit 18	Geothermal	111,351,000	270,422,000	0	381,773,000	0%	EAO	6/14/2004
60009	Calpine Geothermal Unit 20	Geothermal	207,763,000	121,903,000	0	329,676,000	0%	EAO	6/14/2004
60010	Sonoma/Calpine Geyser	Geothermal	143,580,000	165,470,000	0	309,051,000	0%	EAO	6/14/2004
60025	Calpine Geothermal Unit 11	Geothermal	393,142,000	83,580,000	0	476,738,000	0%	EAO	6/14/2004
60026	Calpine Geothermal Unit 14	Geothermal	1,054,000	418,462,000	0	419,517,000	0%	EAO	6/14/2004
60111*[B]	Amedee Geothermal Venture I	Geothermal	1,070,000	0	0	N/A	N/A	No Data	12/17/2004
60112	Bear Canyon Power Plant	Geothermal	103,615,000	0	0	103,612,000	0%	EAO	12/17/2004
60114	West Ford Flat Power Plant	Geothermal	224,862,000	0	0	224,864,000	0%	EAO	12/17/2004
60115	Aidlin Power Plant	Geothermal	148,962,000	0	0	148,962,000	0%	EAO	12/17/2004
60117	Calistoga Power Plant	Geothermal	538,581,000	184,000	0	538,765,000	0%	EIA	12/17/2004
60193*[C]	Wineagle Developers 1	Geothermal	4,052,000	0	0	N/A	N/A	No Data	12/17/2004
60604	Bottle Rock Power Plant	Geothermal	67,555,000	0	0	67,544,000	0%	RPS	7/26/2007
60096	Waste Management Renewable Energy	Landfill Gas	36,581,000	0	0	50,177,000	37%	EAO	12/17/2004
60100*	Covanta Pacific Power (Stockton)	Landfill Gas	5,132,000	0	0	N/A	N/A	No Data	12/17/2004
60102	Gas Recovery System-American Canyon	Landfill Gas	5,895,000	0	0	5,890,010	0%	EAO	12/17/2004

60103	Gas Recovery System-Guadalupe	Landfill Gas	17,987,000	0	0	17,475,374	-3%	EAO	12/17/2004
60104	Gas Recovery System-Menlo Park	Landfill Gas	7,839,000	0	0	15,688,000	100%	EAO	12/17/2004
60105	Gas Recovery System-Newby Island II	Landfill Gas	22,418,000	0	0	22,448,000	0%	EAO	12/17/2004
60107	Monterey Regional Waste Mgt Dist	Landfill Gas	35,138,000	0	0	37,321,000	6%	EAO	12/17/2004
61052	Santa Maria II LFG Power Plant	Landfill Gas	759,391	0	0	759,390	0%	RPS	4/5/2010
60110	Stanislaus Resource Recovery Facility	MSW, Combustion	123,090,000	0	0	122,589,000	0%	EAO	12/17/2004
60255*	Robin Williams Solar Power Gen	Photovoltaic	1,000	0	0	N/A	N/A	No Data	12/17/2004
60475	CalRENEW-1	Photovoltaic	7,131,000	0	0	7,175,000	1%	RPS	9/9/2005
60634*	AT&T Park Solar Arrays	Photovoltaic	152,000	0	0	N/A	N/A	No Data	9/24/2007
60635*	San Francisco Service Center Solar Array 1	Photovoltaic	92,000	0	0	N/A	N/A	No Data	9/24/2007
60636*	San Francisco Service Center Solar Array 2	Photovoltaic	178,000	0	0	N/A	N/A	No Data	9/24/2007
60713	El Dorado Energy (Solar Expansion)	Photovoltaic	21,039,000	0	0	21,146,000	1%	RPS	7/21/2008
60786	Copper Mountain Solar I	Photovoltaic	30,166,000	0	0	29,776,000	-1%	EIA	3/25/2009
60966*	Vaca Dixon Solar Station	Photovoltaic	4,220,000	0	0	N/A	N/A	No Data	12/21/2009
60032	A.G. Wishon PH	Small Hydro	90,670,000	0	0	89,996,760	-1%	EAO	12/21/2004
60033	Alta PH	Small Hydro	3,612,000	0	0	3,611,970	0%	Inv	12/21/2004

60034*	Centerville PH	Small Hydro	8,959,000	0	0	N/A	N/A	No Data	12/21/2004
60035	Chili Bar PH	Small Hydro	31,796,000	0	0	31,785,000	0%	EAO	12/21/2004
60037	Coleman PH	Small Hydro	33,014,000	0	0	33,013,960	0%	EAO	12/21/2004
60038	Cow Creek PH	Small Hydro	1,266,000	0	0	1,251,000	-1%	EAO	12/21/2004
60039*	Crane Valley PH	Small Hydro	3,770,000	0	0	N/A	N/A	No Data	12/21/2004
60040	Deer Creek PH	Small Hydro	16,702,000	0	0	16,997,000	2%	EAO	12/21/2004
60041	De Sabla PH	Small Hydro	79,554,000	0	0	79,554,070	0%	EAO	12/21/2004
60042	Dutch No. 1 PH	Small Hydro	92,494,000	0	0	89,881,430	-3%	EAO	12/21/2004
60043	Halsey PH	Small Hydro	56,481,000	0	0	56,481,530	0%	EAO	12/21/2004
60044	Hamilton Branch PH	Small Hydro	15,530,000	0	0	15,516,000	0%	EAO	12/21/2004
60045	Hat Creek No. 1 PH	Small Hydro	29,340,000	0	0	29,339,000	0%	EAO	12/21/2004
60046	Hat Creek No. 2 PH	Small Hydro	37,618,000	0	0	37,605,000	0%	EAO	12/21/2004
60047	Inskip PH	Small Hydro	44,608,000	0	0	44,608,000	0%	EAO	12/21/2004
60048	Kern Canyon PH	Small Hydro	22,726,000	0	0	22,725,480	0%	EAO	12/21/2004
60049	Kilarc PH	Small Hydro	16,820,000	0	0	16,820,000	0%	EAO	12/21/2004
60050	Lime Saddle PH	Small Hydro	4,901,000	0	0	4,913,000	0%	EAO	12/21/2004
60051	Merced Falls PH	Small Hydro	12,526,000	0	0	12,495,000	0%	EAO	12/21/2004
60052	Narrows No. 1 PH	Small Hydro	56,024,000	0	0	55,947,190	0%	EAO	12/21/2004
60053	Newcastle PH	Small Hydro	32,344,000	0	0	32,337,920	0%	EAO	12/21/2004
60054	Phoenix PH	Small Hydro	10,084,000	0	0	10,078,000	0%	EAO	12/21/2004
60055	Potter Valley PH	Small Hydro	27,316,000	0	0	27,310,000	0%	EAO	12/21/2004
60056*	San Joaquin No. 1-A PH	Small Hydro	1,927,000	0	0	N/A	N/A	No Data	12/21/2004
60057	San Joaquin No. 2 PH	Small Hydro	13,960,000	0	0	13,691,000	-2%	EAO	12/21/2004
60058	San Joaquin No. 3 PH	Small Hydro	18,651,000	0	0	18,652,000	0%	EAO	12/21/2004
60059	South PH	Small Hydro	17,216,000	0	0	17,216,000	0%	EAO	12/21/2004

60060	Spaulding No. 1 PH	Small Hydro	31,332,000	0	0	31,331,843	0%	Inv	12/21/2004
60061	Spaulding No. 2 PH	Small Hydro	16,561,000	0	0	19,621,000	18%	EAO	12/21/2004
60062	Spaulding No. 3 PH	Small Hydro	32,390,000	0	0	32,381,000	0%	EAO	12/21/2004
60063	Spring Gap PH	Small Hydro	41,715,000	0	0	41,706,000	0%	EAO	12/21/2004
60064	Toadtown PH	Small Hydro	5,342,000	0	0	5,328,000	0%	EAO	12/21/2004
60065	Tule PH	Small Hydro	25,779,000	0	0	25,772,000	0%	EAO	12/21/2004
60066	Volta No. 1 PH	Small Hydro	41,742,000	0	0	41,742,000	0%	EAO	12/21/2004
60067	Volta No. 2 PH	Small Hydro	4,990,000	0	0	4,977,000	0%	EAO	12/21/2004
60068	West Point PH	Small Hydro	84,261,000	0	0	84,258,090	0%	EAO	12/21/2004
60069	Wise No. 1 PH	Small Hydro	80,896,000	0	0	87,553,690	8%	EAO	12/21/2004
60070	Wise No. 2 PH	Small Hydro	6,678,000	0	0	87,553,690	1211%	EAO	12/21/2004
60151*	American Energy, Inc (Wolfsen)	Small Hydro	956,000	0	0	N/A	N/A	No Data	12/17/2004
60152*	Baker Station Associates L.P.	Small Hydro	5,089,000	0	0	N/A	N/A	No Data	12/17/2004
60153	Calaveras City Water District	Small Hydro	607,000	0	3,516,001	4,305,000	4%	EAO	12/17/2004
60154	El Dorado (Montgomery Crk)	Small Hydro	12,077,000	0	0	12,380,000	3%	EAO	12/17/2004
60155	Far West Power Corporation	Small Hydro	251,000	0	0	27,786,000	10970%	EAO	12/17/2004
60156	Friant Power Authority	Small Hydro	76,031,000	0	0	76,343,240	0%	EAO	12/17/2004
60157	Haypress Hydroelectric (LWR)	Small Hydro	8,713,000	0	0	17,262,120	98%	EAO	12/17/2004
60158	Haypress Hydroelectric (MDDL)	Small Hydro	8,548,000	0	0	17,262,120	102%	EAO	12/17/2004

60159	Humboldt Bay Muni Water Dist	Small Hydro	7,300,000	0	0	6,970,000	-5%	EAO	12/17/2004
60160	Hypower, Inc.	Small Hydro	63,549,000	0	0	63,548,020	0%	EAO	12/17/2004
60161	Indian Vly Hydro Elec Ptrn.	Small Hydro	2,462,000	0	0	2,462,000	0%	EAO	12/17/2004
60162	Kern Hydro Partners (Olcese)	Small Hydro	34,739,000	0	0	34,111,010	-2%	EAO	12/17/2004
60163	Madera Chowchilla	Small Hydro	6,352,000	0	0	11,704,000	84%	EAO	12/17/2004
60164	Malacha Hydro Ltd. Partnership	Small Hydro	30,561,000	0	0	30,560,010	0%	EAO	12/17/2004
60165	Mega Renewables (Bidwell Ditch)	Small Hydro	10,583,000	0	0	10,583,000	0%	EAO	12/17/2004
60166	Mega Renewables (Hatchet Crk)	Small Hydro	25,785,000	0	0	25,785,000	0%	EAO	12/17/2004
60167	Mega Renewables (Roaring Crk)	Small Hydro	8,461,000	0	0	8,461,000	0%	EAO	12/17/2004
60168	Merced ID (Parker)	Small Hydro	5,301,000	0	0	5,293,000	0%	EAO	12/17/2004
60169	Monterey County Water Res Agency	Small Hydro	12,204,000	0	0	12,352,000	1%	EAO	12/17/2004
60170*	Nelson Creek Power Inc.	Small Hydro	4,080,000	0	0	N/A	N/A	No Data	12/17/2004
60171	Nevada Power Authority	Small Hydro	15,117,000	0	0	15,062,000	0%	EAO	12/17/2004
60172	NID/Combie South	Small Hydro	7,090,354	0	0	7,090,000	0%	EAO	12/17/2004
60173	Scotts Flat Powerhouse	Small Hydro	4,342,950	0	0	37,070,000	754%	EAO	12/17/2004
60175	Olsen Power Partners, Inc.	Small Hydro	9,421,000	0	0	9,421,000	0%	EAO	12/17/2004

60176	Rock Creek Limited Partnership	Small Hydro	3,865,000	0	0	3,850,000	0%	EAO	12/17/2004
60177	Snow Mountain Hydro LLC (Burney)	Small Hydro	4,580,000	0	0	4,596,086	0%	EAO	12/17/2004
60178	Snow Mountain Hydro LLC (Cove)	Small Hydro	19,441,000	0	0	19,404,668	0%	EAO	12/17/2004
60179	Lost Creek 1	Small Hydro	4,643,000	0	0	4,651,981	0%	EAO	12/17/2004
60180*	Lost Creek 2	Small Hydro	2,384,000	0	0	N/A	N/A	No Data	12/17/2004
60181	Snow Mntn Hydro LLC (Ponderosa)	Small Hydro	1,985,000	0	0	1,985,827	0%	EAO	12/17/2004
60183	South S J ID (Frankenheimer)	Small Hydro	13,776,000	0	0	13,775,000	0%	EAO	12/17/2004
60184	South San Joaquin ID (Woodward)	Small Hydro	5,000,000	0	0	5,000,000	0%	EAO	12/17/2004
60185	STS Hydropower Ltd. (Kanaka)	Small Hydro	1,614,000	0	0	1,614,000	0%	EAO	12/17/2004
60186	STS Hydropower Ltd. (Kekawaka)	Small Hydro	15,154,000	0	0	15,154,000	0%	EAO	12/17/2004
60187	TKO Power (South Fork Bear)	Small Hydro	1,760,000	0	0	1,814,000	3%	EAO	12/17/2004
60188	Tri-Dam Authority (Sandbar)	Small Hydro	78,144,000	0	0	78,623,000	1%	EIA	12/17/2004
60189*	Yuba County Water	Small Hydro	3,225,000	0	0	N/A	N/A	No Data	12/17/2004
60194*	Arbuckle Mountain Hydro	Small Hydro	698,000	0	0	N/A	N/A	No Data	12/17/2004
60195*	Bailey Creek Ranch	Small Hydro	1,453,000	0	0	N/A	N/A	No Data	12/17/2004
60196*	Bertha Wright Bertillion	Small Hydro	37,000	0	0	N/A	N/A	No Data	12/17/2004

60197*	Browns Valley Irrigation Dist.	Small Hydro	2,537,000	0	0	N/A	N/A	No Data	12/17/2004
60201*	Canal Creek Power Plant (Reta)	Small Hydro	1,703,000	0	0	N/A	N/A	No Data	12/17/2004
60202*	Charcoal Ravine	Small Hydro	38,000	0	0	N/A	N/A	No Data	12/17/2004
60205*	David O. Harde	Small Hydro	9,644	0	0	9,784	1%	Inv	12/17/2004
60206*	Digger Creek Ranch	Small Hydro	3,165,000	0	0	N/A	N/A	No Data	12/17/2004
60207*	E J M McFadden	Small Hydro	445,000	0	0	N/A	N/A	No Data	12/17/2004
60208*	Eagle Hydro	Small Hydro	2,624,000	0	0	N/A	N/A	No Data	12/17/2004
60209*	Eric and Debbie Watternburg	Small Hydro	163,000	0	0	N/A	N/A	No Data	12/17/2004
60210*	Fairfield Power Plant	Small Hydro	2,709,000	0	0	N/A	N/A	No Data	12/17/2004
60211*	Five Bears Hydroelectric	Small Hydro	155,000	0	0	N/A	N/A	No Data	12/17/2004
60214*	Vecino Vineyards LLC	Small Hydro	235,000	0	0	N/A	N/A	No Data	12/17/2004
60215*	Hat Creek Hereford Ranch	Small Hydro	296,000	0	0	N/A	N/A	No Data	12/17/2004
60216*	Henwood Associates	Small Hydro	2,342,000	0	0	N/A	N/A	No Data	12/17/2004
60217*	Jackson Valley Irrigation Dist	Small Hydro	418,000	0	0	N/A	N/A	No Data	12/17/2004
60218*	James B. Peter	Small Hydro	131,000	0	0	N/A	N/A	No Data	12/17/2004
60219*	James Crane Hydro	Small Hydro	11,000	0	0	N/A	N/A	No Data	12/17/2004
60220*	John Neerhout Jr.	Small Hydro	118,000	0	0	N/A	N/A	No Data	12/17/2004
60221*	Kings River Hydro Co.	Small Hydro	1,072,000	0	0	N/A	N/A	No Data	12/17/2004
60222*	Lassen Station Hydro	Small Hydro	3,000,000	0	0	N/A	N/A	No Data	12/17/2004
60223*	Lofton Ranch	Small Hydro	581,000	0	0	N/A	N/A	No Data	12/17/2004
60224*	Madera Canal (1174 +	Small Hydro	1,809,000	0	0	N/A	N/A	No Data	12/17/2004

	84)								
60225*	Madera Canal (1923)	Small Hydro	2,788,000	0	0	N/A	N/A	No Data	12/17/2004
60226*	Madera Canal Station 1302	Small Hydro	876,000	0	0	N/A	N/A	No Data	12/17/2004
60227*	Mega Hydro #1 (Clover Creek)	Small Hydro	4,524,000	0	0	N/A	N/A	No Data	12/17/2004
60228*	Mega Hydro (Goose Valley Ranch)	Small Hydro	325,000	0	0	N/A	N/A	No Data	12/17/2004
60229*	Mega Renewables (Silver Springs)	Small Hydro	2,040,000	0	0	N/A	N/A	No Data	12/17/2004
60230*	Mill & Sulphur Creek	Small Hydro	2,934,000	0	0	N/A	N/A	No Data	12/17/2004
60232	Orange Cove Irrigation District - Friant Fishwater Release Hydroelectric Facility	Small Hydro	3,330,000	0	0	3,329,983	0%	RPS	12/17/2004
60234*	Placer County Water Agency	Small Hydro	2,983,000	0	0	N/A	N/A	No Data	12/17/2004
60236*	Rock Creek Water District	Small Hydro	596,000	0	0	N/A	N/A	No Data	12/17/2004
60237*	Santa Clara Valley Water Dist.	Small Hydro	266,000	0	0	N/A	N/A	No Data	12/17/2004
60238	Schaads Hydro	Small Hydro	839,000	0	0	839,832	0%	RPS	12/17/2004
60239*	Shamrock Utilities (Cedar Flat)	Small Hydro	1,686,000	0	0	N/A	N/A	No Data	12/17/2004
60240*	Shamrock Utilities (Clover Leaf)	Small Hydro	833,000	0	0	N/A	N/A	No Data	12/17/2004
60242	Sierra Energy	Small Hydro	182,000	0	0	3,813,000	1995%	EAO	12/17/2004
60243*	South Sutter Water	Small Hydro	510,000	0	0	N/A	N/A	No Data	12/17/2004

60246*	Sutter's Mill	Small Hydro	725,000	0	0	N/A	N/A	No Data	12/17/2004
60247*	Swiss America	Small Hydro	273,000	0	0	N/A	N/A	No Data	12/17/2004
60249*	Tom Benninghoven	Small Hydro	101,000	0	0	N/A	N/A	No Data	12/17/2004
60250*	Water Wheel Ranch	Small Hydro	3,710,000	0	0	N/A	N/A	No Data	12/17/2004
60251*	Youth with a Mission/Spgs Of Lv Wat	Small Hydro	450,000	0	0	N/A	N/A	No Data	12/17/2004
60252*	Yuba County Water Agency	Small Hydro	1,105,000	0	0	N/A	N/A	No Data	12/17/2004
60263	MID (McSwain)	Small Hydro	32,647,000	0	0	32,500,000	0%	EAO	12/17/2004
60264	NID (Dutch Flat #2)	Small Hydro	105,785,000	0	0	105,818,000	0%	EAO	12/17/2004
60265	NID (Rollins)	Small Hydro	68,538,000	0	0	68,535,000	0%	EAO	12/17/2004
60266	Kelly Ridge Powerhouse	Small Hydro	77,392,000	0	0	77,678,000	0%	EAO	12/17/2004
60267	Sly Creek Powerhouse	Small Hydro	37,163,000	0	0	37,010,000	0%	EAO	12/17/2004
60268	PCWA (French Meadows)	Small Hydro	59,834,000	0	0	57,642,000	-4%	EAO	12/17/2004
60269	PCWA (Oxbow)	Small Hydro	31,558,000	0	0	31,724,000	1%	EAO	12/17/2004
60270	SID (Monticello)	Small Hydro	36,254,000	0	0	36,208,120	0%	EAO	12/17/2004
60276	Oak Flat PH	Small Hydro	5,547,000	0	0	5,545,000	0%	EAO	1/13/2005
60502	Three Forks Water Power Project	Small Hydro	8,895,000	0	0	9,142,540	3%	RPS	3/7/2006
60601	El Dorado Powerhouse (Akin Powerhouse)	Small Hydro	33,605,000	36,062,000	0	79,792,664	15%	RPS	2/23/2007
60900	Big Creek Water Works	Small Hydro	1,922,000	0	0	1,924,129	0%	RPS	10/23/2009
60030	Diablo Winds	Wind	61,277,000	0	0	61,252,775	0%	RPS	11/19/2004
60118*	Altamont Midway Ltd	Wind	9,783,000	0	0	N/A	N/A	No Data	12/17/2004

60119*	Altamont Power LLC (3-4)	Wind	6,038,000	0	0	N/A	N/A	No Data	12/17/2004
60120*	Altamont Power LLC (4-4)	Wind	29,547,000	0	0	N/A	N/A	No Data	12/17/2004
60122*	Altamont Power LLC (6-4)	Wind	24,301,000	0	0	N/A	N/A	No Data	12/17/2004
60124	Buena Vista Wind Farm	Wind	90,066,000	0	0	89,246,000	-1%	EIA	12/17/2004
60125*	Green Ridge Power LLC (10MW)	Wind	21,685,000	0	0	N/A	N/A	No Data	12/17/2004
60126*	Green Ridge Power LLC (100MW-A)	Wind	70,061,000	0	0	N/A	N/A	No Data	12/17/2004
60128*	Green Ridge Power LLC (100MW-C)	Wind	9,041,000	0	0	N/A	N/A	No Data	12/17/2004
60129*	Green Ridge Power LLC (100MW-D)	Wind	15,141,000	0	0	N/A	N/A	No Data	12/17/2004
60130*	Green Ridge Power LLC (110MW)	Wind	240,730,000	0	0	N/A	N/A	No Data	12/17/2004
60131*	Green Ridge Power LLC (23.8MW)	Wind	15,655,000	0	0	N/A	N/A	No Data	12/17/2004
60133*	Green Ridge Power LLC (5.9MW)	Wind	10,070,000	0	0	N/A	N/A	No Data	12/17/2004
60135*	Green Ridge Power LLC (70MW-B)	Wind	23,050,000	0	0	N/A	N/A	No Data	12/17/2004
60136*	Green Ridge Power LLC (70MW-C)	Wind	37,128,000	0	0	N/A	N/A	No Data	12/17/2004
60137*	Green Ridge Power LLC (70MW-D)	Wind	1,870,000	0	0	N/A	N/A	No Data	12/17/2004

60138*	Green Ridge Power LLC (70MW)	Wind	67,470,000	0	0	N/A	N/A	No Data	12/17/2004
60139*	International Turbine Research	Wind	22,877,000	0	0	N/A	N/A	No Data	12/17/2004
60140*	Northwind Energy Inc.	Wind	13,187,000	0	0	N/A	N/A	No Data	12/17/2004
60141*	Patterson Pass Windfarm LLC	Wind	31,014,000	0	0	N/A	N/A	No Data	12/17/2004
60142*	Seawest Energy (Altech)	Wind	5,217,000	0	0	N/A	N/A	No Data	12/17/2004
60144*	Seawest Energy (Seawest)	Wind	60,000	0	0	N/A	N/A	No Data	12/17/2004
60145*	Seawest Energy (Taxvest)	Wind	647,000	0	0	N/A	N/A	No Data	12/17/2004
60146*	Seawest Energy (Viking)	Wind	1,530,000	0	0	N/A	N/A	No Data	12/17/2004
60147*	Seawest Energy (Western)	Wind	2,445,000	0	0	N/A	N/A	No Data	12/17/2004
60257*	Donald R. Chenoweth	Wind	1,000	0	0	N/A	N/A	No Data	12/17/2004
60488	Shiloh I Wind Project	Wind	208,581,000	0	139,016,447	441,684,000	27%	EIA	11/16/2005
60543	Montezuma Wind Energy Center	Wind	2,865,000	0	0	2,795,000	-2%	EIA	12/21/2006
60553	Rattlesnake Road Wind Farm	Wind	204,167,000	0	0	202,325,000	-1%	EIA	11/27/2006
60564*	Wolverine Creek	Wind	23,436,000	39,478,000	0	N/A	N/A	No Data	6/7/2007
60639	Shiloh Wind Project 2, LLC	Wind	433,668,000	0	0	445,041,000	3%	EIA	9/28/2007
60602 & 60694	Klondike Wind Power III & Klondike Wind Power IIIA	Wind	421,779,000	133,517,000	0	735,364,000	32%	EIA	7/5/2007 & 5/2/2008

60712	Vantage Wind Project	Wind	46,256,267	0	0	63,759,835	38%	RPS	7/21/2008
60721	White Creek Wind I	Wind	51,801,000	205,465,000	0	532,124,000	107%	EIA	2/28/2008
60730*	Marengo II	Wind	7,270,000	102,816,000	0	N/A	N/A	No Data	10/21/2008
60741	Hatchet Ridge Wind Farm	Wind	53,731,000	0	0	53,571,805	0%	Inv	12/3/2008
60776	Big Horn Wind Project	Wind	75,000,000	0	60,367,000	484,570,000	258%	EIA	1/5/2009
60804	Glenrock III	Wind	48,139,000	1,690,000	0	387,908,000	678%	EIA	2/5/2009
60805	Glenrock I	Wind	47,159,000	114,104,000	0	387,908,000	141%	EIA	2/5/2009
60806	Rolling Hills	Wind	181,327,000	33,813,000	0	252,669,000	17%	EIA	1/26/2009
60807	Seven Mile Hill I	Wind	150,033,000	5,480,000	0	391,845,000	152%	EIA	2/12/2009
60808	Seven Mile Hill II	Wind	47,820,000	1,145,000	0	391,845,000	700%	EIA	2/12/2009
60819	Goodnoe Hills	Wind	150,016,000	3,589,000	0	212,268,000	38%	EIA	4/22/2009

* RPS identification numbers that end in the suffix E and show No Data in the column "Generation Data Used for Comparison with Procurement" are utility-certified facilities with no independently reported generation. As stated on page 47 in the RPS Eligibility Guidebook, Third Edition, the retail seller is responsible for reporting the generation data for the facilities it certifies. This reporting requirement will be satisfied through the CEC-RPS-Track forms and WREGIS State/Provincial/Voluntary Compliance Reports. Therefore, the asterisk indicates that the facility is utility-certified and that the procurement amount reported is accepted as reported on the RPS-Track form and/or WREGIS State/Provincial/Voluntary Compliance Report.

A PG&E has requested that 18,000 kWh from the procurement claim from City Of Watsonville (RPS ID 60190) be counted as withdrawn procurement due to non-renewable fuel use.

B PG&E has requested that 336,280 kWh from the procurement claim from Amedee Geothermal Venture I (RPS ID 60111) be counted as withdrawn procurement due to corrections in WREGIS. This procurement amount may be applied to PG&E's 2012 RPS procurement claims during a future verification process.

C PG&E has requested that 1,273,610 kWh from the procurement claim from Wineagle Developers 1 (RPS ID 60193) be counted as withdrawn procurement due to corrections in WREGIS. This procurement amount may be applied to PG&E's 2012 RPS procurement claims during a future verification process.

Southern California Edison RPS Procurement Claims Analysis

2008 RPS Procurement Claims

CEC RPS ID Number[1]	Facility Name[2]	Fuel Type[3]	Annual Generation Procured (kWh)[4]	RPS Claims by Other Retail Sellers (kWh)[5]	Procurement Reported to PSDP/ Voluntary Programs (kWh)[6]	Generation Data Compared With Procurement (kWh)[7]	% Difference Between Generation and Procurement[8]	Generation Data Source[9]	Facility's Beginning On Date[10]
60020	Imperial Valley Resource Recovery	Biomass	5,236,000	0	0	5,236,000	0%	RPS	8/11/2004
60286 & 60692	Colmac Energy Mecca Plant	Biomass	359,505,000	0	0	359,506,000	0%	EAO	6/2/2008
60327	Metropolitan Water District	Conduit Hydro	18,128,000	0	0	308,092,000	1600%	EIA	4/5/2005
60330*	Calleguas Municipal Water District - Conejo	Conduit Hydro	421,797	0	0	N/A	N/A	No Data	4/5/2005
60333*	Walnut Valley Water District - Unit 1	Conduit Hydro	949,245	0	0	N/A	N/A	No Data	4/5/2005
60335	Calleguas MWD - Unit 2 (East Portal)	Conduit Hydro	7,008,529	0	0	7,009,000	0%	EIA	4/5/2005
60340*	Daniel M. Bates, et al.	Conduit Hydro	520,225	0	0	N/A	N/A	No Data	4/5/2005
60341*	Richard Moss	Conduit Hydro	355,237	0	0	N/A	N/A	No Data	4/5/2005
60343*	Three Valleys MWD (Fulton Road)	Conduit Hydro	980,833	0	0	N/A	N/A	No Data	4/5/2005
60344*	Three Valleys MWD (Miramar)	Conduit Hydro	1,519,094	0	0	N/A	N/A	No Data	4/5/2005

60345*	Three Valleys MWD (Williams)	Conduit Hydro	1,574,817	0	0	N/A	N/A	No Data	4/5/2005
60347*	Picay Hydroelectric Project	Conduit Hydro	646,910	0	0	N/A	N/A	No Data	4/5/2005
60348*	Calleguas MWD - Unit 3 (Santa Rosa)	Conduit Hydro	1,345,752	0	0	N/A	N/A	No Data	4/5/2005
60349*	City Of Santa Ana	Conduit Hydro	4,241	0	0	N/A	N/A	No Data	4/5/2005
60350*	Goleta Water District	Conduit Hydro	507,426	0	0	N/A	N/A	No Data	4/5/2005
60354*	San Bernardino MWD (Unit 3)	Conduit Hydro	272,862	0	0	N/A	N/A	No Data	4/5/2005
60355*	American Energy, Inc. (Fullerton Hydro)	Conduit Hydro	694,280	0	0	N/A	N/A	No Data	4/5/2005
60356*	Monte Vista Water District	Conduit Hydro	1,218,689	0	0	N/A	N/A	No Data	4/5/2005
60358	Calleguas MWD (Springville Hydro)	Conduit Hydro	2,341,622	0	0	2,342,000	0%	EAO	4/5/2005
60618	Sepulveda Canyon Power Plant	Conduit Hydro	7,187,000	0	0	7,945,000	11%	EIA	3/30/2005
60619	Lake Perris Power Plant	Conduit Hydro	10,650,947	0	0	13,103,000	23%	EIA	3/30/2005
60621	Temescal Power Plant	Conduit Hydro	13,092,836	0	0	16,451,019	26%	RPS	3/30/2005
60622	Corona Power Plant	Conduit Hydro	12,809,896	0	0	15,984,000	25%	EAO	3/30/2005
60623	Rio Hondo Power Plant	Conduit Hydro	5,227,846	0	0	6,153,325	18%	RPS	3/30/2005

60624	Coyote Creek Power Plant	Conduit Hydro	10,783,302	0	0	16,361,209	52%	RPS	3/30/2005
60625	Red Mountain Power Plant	Conduit Hydro	16,160,525	0	0	41,962,000	160%	EAO	3/30/2005
61020	Mammoth Pool Fish Water Generator	Conduit Hydro	1,222,077	0	0	296,341,000	24149%	EIA	3/9/2010
60279*	Royal Farms	Digester Gas	92,549	0	0	N/A	N/A	No Data	4/5/2005
60294	Orange County Sanitation District	Digester Gas	76,780	0	0	49,420,000	64266%	EAO	4/5/2005
60295*	Inland Empire Utilities Agency	Digester Gas	1,196,369	0	0	N/A	N/A	No Data	4/5/2005
60004	Calpine Geothermal Unit 12	Geothermal	345,920,300	35,255,630	7,986	389,217,000	2%	EAO	6/14/2004
60005	Calpine Geothermal Unit 13	Geothermal	5,710,500	389,197,765	22,053	435,641,000	10%	EAO	6/14/2004
60006	Calpine Geothermal Unit 16	Geothermal	411,401,600	13,055,010	0	424,557,000	0%	EAO	6/14/2004
60007	Calpine Geothermal Unit 17	Geothermal	426,215,150	386,000	0	427,360,000	0%	EAO	6/14/2004
60008	Calpine Geothermal Unit 18	Geothermal	49,565,000	336,961,511	19,803	406,347,000	5%	EAO	6/14/2004
60009	Calpine Geothermal Unit 20	Geothermal	59,556,700	196,739,914	83,087	358,231,000	40%	EAO	6/14/2004
60010	Sonoma/Calpine Geyser	Geothermal	28,927,000	50,336,000	260,016	341,543,000	329%	EAO	6/14/2004
60025	Calpine Geothermal Unit 11	Geothermal	384,950,680	59,281,268	46,256	512,842,000	15%	EAO	6/14/2004
60026	Calpine Geothermal Unit 14	Geothermal	423,988,070	1,053,666	0	425,088,000	0%	EAO	6/14/2004

60305	Heber Geothermal Company	Geothermal	357,853,000	0	0	377,001,000	5%	EAO	4/5/2005
60306	Mammoth Pacific L. P. (MP1)	Geothermal	42,879,889	0	0	42,880,000	0%	EIA	4/5/2005
60307	Del Ranch, Ltd., (Niland #2)	Geothermal	334,143,000	0	0	322,178,000	-4%	EAO	4/5/2005
60308	Vulcan/BN Geothermal	Geothermal	283,181,000	0	0	272,865,000	-4%	EAO	4/5/2005
60309	Coso Finance Partners (Navy I)	Geothermal	624,161,040	0	0	625,568,000	0%	EAO	4/5/2005
60310	Elmore Ltd.	Geothermal	333,366,000	0	0	322,000,000	-3%	EIA	4/5/2005
60311[A]	Ormesa Geothermal I	Geothermal	170,709,789	0	0	215,907,000	26%	EAO	4/5/2005
60312[A]	Ormesa Geothermal II	Geothermal	124,676,780	0	0	154,851,000	24%	EIA	4/5/2005
60313	Caithness Dixie Valley, LLC.	Geothermal	382,296,912	0	0	387,669,560	1%	EIA	4/5/2005
60315	Mammoth Pacific L. P. I (Ples)	Geothermal	101,648,072	0	0	102,309,000	1%	EAO	4/5/2005
60316	Second Imperial Geothermal Co.	Geothermal	285,011,000	0	16,811,000	343,861,000	14%	EAO	4/5/2005
60317	Salton Sea Power Generation L.P. #3	Geothermal	411,267,000	0	0	400,000,000	-3%	EIA	4/5/2005
60318	Leathers L. P.	Geothermal	358,166,000	0	0	350,000,000	-2%	EIA	4/5/2005
60319	Mammoth Pacific L P II (MP2)	Geothermal	94,120,028	0	0	94,119,000	0%	EIA	4/5/2005
60320	Salton Sea Power Generation L.P. #2	Geothermal	134,087,000	0	0	140,000,000	4%	EIA	4/5/2005
60321	Coso Power Developers	Geothermal	580,976,526	0	0	580,976,560	0%	RPS	4/5/2005

60322	Coso Energy Developers	Geothermal	489,341,930	0	0	489,670,000	0%	EAO	4/5/2005
60323	Salton Sea Power Generation L.P. #1	Geothermal	81,055,000	0	0	80,000,000	-1%	EIA	4/5/2005
60324	Salton Sea IV	Geothermal	357,815,000	0	0	344,000,000	-4%	EIA	4/5/2005
60640	North Brawley	Geothermal	870,000	0	0	870,000	0%	Inv	10/16/2007
61431[B]	Ormesa Geothermal I (Geo East Mesa)	Geothermal	66,606,000	0	0	N/A	N/A	No Data	4/4/2011
60278	Generating Resource Recovery Partners, LP	Landfill Gas	14,606,622	0	0	15,052,000	3%	EIA	4/5/2005
60280	L.A. Co. Sanitation Dist CSD 2610	Landfill Gas	5,191,210	0	0	442,830,000	8430%	EIA	4/5/2005
60283	Toyon Landfill Gas Conversion	Landfill Gas	13,340,729	0	0	13,029,000	-2%	EIA	4/5/2005
60288	L.A. Co. Sanitation Dist Spadra	Landfill Gas	47,207,156	0	0	47,387,000	0%	EIA	4/5/2005
60289	L.A. Co. Sanitation Dist #C-2850	Landfill Gas	25,255,736	0	0	25,963,000	3%	EIA	4/5/2005
60290	L.A. Co. Sanitation Dist	Landfill Gas	388,179,966	0	0	442,830,000	14%	EIA	4/5/2005
60292	WM Energy Solutions, Inc. (El Sobrante)	Landfill Gas	10,406,602	0	0	10,407,000	0%	EAO	4/5/2005
60293	WM Energy Solutions, Inc. (Simi Valley)	Landfill Gas	10,991,081	0	0	10,992,000	0%	EAO	4/5/2005
60298	MM Tajiguas Energy LLC	Landfill Gas	22,400,847	0	0	22,580,000	1%	EAO	4/5/2005
60301*	MM Woodville Energy LLC	Landfill Gas	2,266,468	0	0	N/A	N/A	No Data	4/5/2005

60304*	Ventura Regional Sanitation District	Landfill Gas	96,034	0	0	N/A	N/A	No Data	4/5/2005
60707	SPVP001	Photovoltaic	438,000	0	0	N/A	N/A	No Data	5/28/2008
60216	Henwood Associates	Small Hydro	558,000	1,250,085	0			No Data	12/17/2004
60326	Hi Head Hydro Incorporated	Small Hydro	2,157,018	0	0	N/A	N/A	No Data	4/5/2005
60328	Henwood Associates	Small Hydro	253,851	0	0			No Data	4/5/2005
60329*	Desert Power Company	Small Hydro	1,283,978	0	0	N/A	N/A	No Data	4/5/2005
60332*	San Bernardino MWD	Small Hydro	446,563	0	0	N/A	N/A	No Data	4/5/2005
60334*	Irvine Ranch Water District	Small Hydro	210,040	0	0	N/A	N/A	No Data	4/5/2005
60336	Whitewater	Small Hydro	546,000	0	0	546,000	0%	EIA	4/5/2005
60337*	Snow Creek	Small Hydro	373,796	0	0	N/A	N/A	No Data	4/5/2005
60338	Success Dam Power Project	Small Hydro	873,798	0	0	874,334,000	99961%	Inv	4/5/2005
60339	San Gabriel Hydroelectric Project	Small Hydro	13,198,268	0	0	13,199,000	0%	EIA	4/5/2005
60342	Isabella Hydroelectric Project	Small Hydro	16,685,516	0	0	16,688,000	0%	EAO	4/5/2005
60346	Kaweah River Power Authority	Small Hydro	30,814,680	0	0	30,816,000	0%	EAO	4/5/2005
60351	United Water Conservation District	Small Hydro	728,000	0	0	741,000	2%	EAO	4/5/2005
60352*	Deep Springs College	Small Hydro	5,215	0	0	N/A	N/A	No Data	4/5/2005
60444	Bishop Creek No. 2	Small Hydro	22,276,503	0	0	22,279,000	0%	EIA	5/11/2005
60446	Bishop Creek No. 3	Small Hydro	23,923,073	0	0	23,924,000	0%	EIA	5/11/2005

60447	Bishop Creek No. 4	Small Hydro	32,964,426	0	0	32,827,000	0%	EIA	5/11/2005
60448	Bishop Creek No. 5	Small Hydro	12,083,088	0	0	12,083,000	0%	EIA	5/11/2005
60449	Bishop Creek No. 6	Small Hydro	6,993,358	0	0	6,983,000	0%	EIA	5/11/2005
60450	Borel	Small Hydro	45,368,145	0	0	45,358,000	0%	EIA	5/11/2005
60451	Fontana	Small Hydro	6,496,763	0	0	6,496,000	0%	EIA	5/11/2005
60452	Kaweah No. 1	Small Hydro	8,986,381	0	0	8,956,000	0%	EIA	5/11/2005
60453	Kaweah No. 2	Small Hydro	10,979,826	0	0	10,955,000	0%	EIA	5/11/2005
60454	Kaweah No. 3	Small Hydro	18,293,560	0	0	18,265,000	0%	EIA	5/11/2005
60455	Kern River No. 1	Small Hydro	44,255,000	0	0	44,255,000	0%	EIA	5/11/2005
60456	Lundy	Small Hydro	4,925,342	0	0	4,894,000	-1%	EIA	5/11/2005
60457	Lytle Creek	Small Hydro	3,080,043	0	0	3,080,000	0%	EAO	5/11/2005
60458	Mill Creek No. 1	Small Hydro	1,930,742	0	0	1,900,000	-2%	EAO	5/11/2005
60459	Mill Creek No. 3	Small Hydro	10,734,459	0	0	10,731,000	0%	EIA	5/11/2005
60460	Ontario No. 1	Small Hydro	4,477,740	0	0	4,478,000	0%	EAO	5/11/2005
60461	Ontario No. 2	Small Hydro	1,066,754	0	0	1,067,000	0%	EAO	5/11/2005
60462	Poole Plant	Small Hydro	22,115,226	0	0	22,113,000	0%	EIA	5/11/2005
60463	Portal Power Plant	Small Hydro	20,857,447	0	0	20,733,000	-1%	EAO	5/11/2005
60464	Rush Creek	Small Hydro	16,070,302	0	0	16,070,000	0%	EIA	5/11/2005
60465	Santa Ana No. 1	Small Hydro	5,181,872	0	0	5,160,000	0%	EIA	5/11/2005
60466	Santa Ana No. 3	Small Hydro	2,728,332	0	0	2,701,000	-1%	EIA	5/11/2005
60467	Sierra	Small Hydro	3,442,698	0	0	3,442,000	0%	EAO	5/11/2005
60468	Tule River	Small Hydro	14,393,092	0	0	34,756,000	141%	EIA	5/11/2005
60359	Sunray Energy, Inc.	Solar Thermal	43,029,846	0	0	59,045,000	37%	EIA	4/5/2005
60360	Luz Solar Partners Ltd. III	Solar Thermal	72,392,228	0	0	72,393,048	0%	ERFP	4/5/2005

60361	Luz Solar Partners Ltd. IV	Solar Thermal	72,294,828	0	0	72,516,000	0%	EIA	4/5/2005
60362	Luz Solar Partners Ltd. V	Solar Thermal	72,798,956	0	0	72,799,164	0%	ERFP	4/5/2005
60363	Luz Solar Partners Ltd. VI	Solar Thermal	76,851,384	0	0	76,851,540	0%	ERFP	4/5/2005
60364	Luz Solar Partners Ltd. VII	Solar Thermal	74,704,460	0	0	74,705,364	0%	ERFP	4/5/2005
60365	Luz Solar Partners Ltd. VIII	Solar Thermal	152,017,472	0	0	152,018,712	0%	ERFP	4/5/2005
60366	Luz Solar Partners Ltd. IX	Solar Thermal	166,168,504	0	0	166,168,800	0%	ERFP	4/5/2005
60027	Boom-Campbell Wind Farm	Wind	22,641,696	0	0	33,841,656	49%	RPS	10/10/2004
60028	Sirocco	Wind	7,487,158	0	0	11,243,293	50%	RPS	10/10/2004
60029	Cellc 7.5 MW Tehachapi Wind Project	Wind	18,541,384	0	0	28,010,000	51%	EIA	10/10/2004
60284 & 60285	Mountain View I & II	Wind	191,191,244	0	0	186,529,000	-2%	RPS	4/5/2005
60291*	Calwind Resources Inc. II	Wind	53,486,696	0	0	N/A	N/A	No Data	4/5/2005
60368	FPL Energy Cabazon Wind, LLC	Wind	57,405,696	0	0	57,082,000	-1%	EIA	4/5/2005
60369*	Mogul Energy Partnership I	Wind	11,632,280	0	0	N/A	N/A	No Data	4/5/2005
60370*	Mesa Wind Developers	Wind	52,016,442	0	0	N/A	N/A	No Data	4/5/2005
60371*	San Gorgonio Farms	Wind	7,274,490	0	0	N/A	N/A	No Data	4/5/2005

	Wind Farm								
60372	Boxcar I Power Purchase Contract Trust	Wind	10,804,464	0	0	31,837,000	195%	EIA	4/5/2005
60373*	Windsong Wind Park	Wind	4,820,480	0	0	N/A	N/A	No Data	4/5/2005
60374*	Zephyr Park, Ltd	Wind	9,402,176	0	0	N/A	N/A	No Data	4/5/2005
60375*	Ridgetop Energy, LLC (I)	Wind	161,817,688	0	0	N/A	N/A	No Data	4/5/2005
60376*	Coram Energy LLC (Ect)	Wind	13,224,000	0	0	N/A	N/A	No Data	4/5/2005
60377*	Windpower Partners 1993 L.P.	Wind	16,217,679	0	0	N/A	N/A	No Data	4/5/2005
60378*	EUI Management PH Inc.	Wind	43,036,064	0	0	N/A	N/A	No Data	4/5/2005
60379*	Windpower Partners 1993 L.P.	Wind	4,171,161	0	0	N/A	N/A	No Data	4/5/2005
60380*	Tehachapi Power Purchase Contract Trust	Wind	125,653,840	0	0	N/A	N/A	No Data	4/5/2005
60381*	Enron Wind Systems, LLC (VG # I)	Wind	13,151,792	0	0	N/A	N/A	No Data	4/5/2005
60382*	Enron Wind Systems, LLC (VG #2)	Wind	10,342,024	0	0	N/A	N/A	No Data	4/5/2005
60383*	Enron Wind Systems, LLC (VG #3)	Wind	9,243,784	0	0	N/A	N/A	No Data	4/5/2005
60384*	Enron Wind Systems, LLC (VG #4)	Wind	8,161,944	0	0	N/A	N/A	No Data	4/5/2005
60385*	Zond Wind Systems Partners, Series 85-A	Wind	21,476,368	0	0	N/A	N/A	No Data	4/5/2005

60386*	Zond Wind Systems Partners, Series 85-B	Wind	29,625,312	0	0	N/A	N/A	No Data	4/5/2005
60387	Section 20 Trust	Wind	37,528,068	0	0	37,528,560	0%	Inv	4/5/2005
60388*	NAWP Inc. [East Winds Proj]	Wind	7,219,816	0	0	N/A	N/A	No Data	4/5/2005
60389*	Difwind Farms Limited V	Wind	12,448,524	0	0	N/A	N/A	No Data	4/5/2005
60391	Edom Hills Project 1, LLC	Wind	5,685,914	0	0	5,686,506	0%	Inv	4/5/2005
60392*	Cameron Ridge LLC (III)	Wind	145,584,504	0	0	N/A	N/A	No Data	4/5/2005
60393	San Gorgonio Westwinds II, LLC	Wind	26,240,316	0	0	114,090,000	335%	EIA	4/5/2005
60394*	Calwind Resources Inc.	Wind	16,593,280	0	0	N/A	N/A	No Data	4/5/2005
60395*	Windridge Incorporated	Wind	1,564,756	0	0	N/A	N/A	No Data	4/5/2005
60396*	Energy Development & Const. Corp.	Wind	31,131,960	0	0	N/A	N/A	No Data	4/5/2005
60397*	Desert Winds I Ppc Trust	Wind	84,200,316	0	0	N/A	N/A	No Data	4/5/2005
60398[C]	Section 7 Trust	Wind	44,297,971	0	0	44,289,147	0%	EIA	4/5/2005
60399*	Sky River Partnership (Wilderness I)	Wind	83,863,940	0	0	N/A	N/A	No Data	4/5/2005
60400*	Sky River Partnership (Wilderness II)	Wind	46,597,164	0	0	N/A	N/A	No Data	4/5/2005
60401*	Sky River Partnership (Wilderness III)	Wind	50,123,080	0	0	N/A	N/A	No Data	4/5/2005

60402	Section 16-29 Trust (Altech III)	Wind	69,776,528	0	0	69,777,888	0%	Inv	4/5/2005
60403*	Difwind Partners	Wind	27,127,100	0	0	N/A	N/A	No Data	4/5/2005
60404*	CTV Power Purchase Contract Trust	Wind	11,199,000	0	0	N/A	N/A	No Data	4/5/2005
60405	Alta Mesa Pwr. Purch. Contract Trust	Wind	60,835,880	0	0	80,364,000	32%	EIA	4/5/2005
60406*	Cameron Ridge LLC (IV)	Wind	39,917,648	0	0	N/A	N/A	No Data	4/5/2005
60407	Ridgetop Energy, LLC (II)	Wind	85,687,488	0	0	85,688,136	0%	Inv	4/5/2005
60408*	Section 22 Trust [San Jacinto]	Wind	38,092,588	0	0	N/A	N/A	No Data	4/5/2005
60409*	Dutch Energy	Wind	19,125,130	0	0	N/A	N/A	No Data	4/5/2005
60410*	Westwind Trust	Wind	25,390,328	0	0	N/A	N/A	No Data	4/5/2005
60411	Boxcar II Power Purchase Contract Trst	Wind	21,032,672	0	0	31,837,000	51%	EIA	4/5/2005
60412*	BNY Western Trust Company	Wind	1,339,440	0	0	N/A	N/A	No Data	4/5/2005
60413*	Victory Garden Phase IV Partner - 6102	Wind	16,835,912	0	0	N/A	N/A	No Data	4/5/2005
60414*	Victory Garden Phase IV Partner - 6103	Wind	13,931,096	0	0	N/A	N/A	No Data	4/5/2005
60415*	Victory Garden Phase IV Partner - 6104	Wind	16,484,320	0	0	N/A	N/A	No Data	4/5/2005
60416*	Caithness 251 Wind, LLC (Monolith X)	Wind	9,642,320	0	0	N/A	N/A	No Data	4/5/2005
60417*	Caithness 251 Wind, LLC (Monolith XI)	Wind	9,668,568	0	0	N/A	N/A	No Data	4/5/2005

60418*	Caithness 251 Wind, LLC (Monolith XII)	Wind	11,260,448	0	0	N/A	N/A	No Data	4/5/2005
60419*	Caithness 251 Wind, LLC (Monolith XIII)	Wind	8,281,024	0	0	N/A	N/A	No Data	4/5/2005
60420*	Enron Wind Systems, LLC (Northwind)	Wind	8,984,904	0	0	N/A	N/A	No Data	4/5/2005
60421*	Painted Hills Wind Developers	Wind	33,602,144	0	0	N/A	N/A	No Data	4/5/2005
60422	Desert Winds II Pwr Purch Trst	Wind	221,274,970	0	0	221,298,000	0%	EIA	4/5/2005
60423	Desert Wind III PPC Trust	Wind	87,671,412	0	0	149,510,000	71%	EIA	4/5/2005
60424*	Windpower Partners 1993, L.P.	Wind	6,408,464	0	0	N/A	N/A	No Data	4/5/2005
60426*	S & L Ranch	Wind	2,385	0	0	N/A	N/A	No Data	4/5/2005
60428*	BNY Western Trust Company	Wind	24,242,696	0	0	N/A	N/A	No Data	4/5/2005
60429	Oak Creek Energy Systems Inc.	Wind	87,020,016	0	0	100,598,000	16%	EIA	4/5/2005
60542	Dillon Wind	Wind	121,234,027	0	0	117,990,000	-3%	RPS	11/13/2006

* RPS identification numbers that end in the suffix E and show No Data in the column "Generation Data Used for Comparison with Procurement" are utility-certified facilities with no independently reported generation. As stated on page 47 in the RPS Eligibility Guidebook, Third Edition, the retail seller is responsible for reporting the generation data for the facilities it certifies. This reporting requirement will be satisfied through the CEC-RPS-Track forms and WREGIS State/Provincial/Voluntary Compliance Reports. Therefore, the asterisk indicates that the facility is utility-certified and that the procurement amount reported is accepted as reported on the RPS-Track form and/or WREGIS State/Provincial/Voluntary Compliance Report.

A SCE has requested that 9,734,569 kWh from the procurement claims from Ormesa Geothermal I (RPS ID 60311 and Ormesa Geothermal II (RPS ID 60312))be counted as withdrawn procurement due to adjustment of the facilities' nameplate capacities.

B SCE has requested that the procurement claim from Ormesa Geothermal I (Geo East Mesa, RPS ID 61431) be counted as withdrawn

procurement due the facility not being RPS certified at the time of the procurement claim.
C SCE has requested that 8,590 kWh from the procurement claim from Section 7 Trust (RPS ID 60398) be counted as withdrawn procurement due to the procurement being attributed to on-site use.

2009 RPS Procurement Claims

CEC RPS ID Number[1]	Facility Name[2]	Fuel Type[3]	Annual Generation Procured (kWh)[4]	RPS Claims by Other Retail Sellers (kWh)[5]	Procurement Reported to PSDP/ Voluntary Programs (kWh)[6]	Generation Data Compared With Procurement (kWh)[7]	% Difference Between Generation and Procurement[8]	Generation Data Source[9]	Facility's Beginning On Date[10]
60020	Imperial Valley Resource Recovery	Biomass	51,567,000	0	0	51,567,000	0%	EIA	6/21/2004
60692	Colmac Energy Mecca Plant	Biomass	357,017,000	0	0	357,017,000	0%	EIA	12/4/2004
60330*	Calleguas Municipal Water District - Conejo	Conduit Hydro	48,000	0	0	N/A	N/A	No Data	8/5/2004
60333*	Walnut Valley Water District - Unit 1	Conduit Hydro	825,000	0	0	N/A	N/A	No Data	8/7/2004
60335	Calleguas MWD - Unit 2 (East Portal)	Conduit Hydro	6,675,000	0	0	6,675,000	0%	EIA	8/8/2004
60340*	Daniel M. Bates, et al.	Conduit Hydro	484,000	0	0	N/A	N/A	No Data	8/13/2004
60341*	Richard Moss	Conduit Hydro	379,000	0	0	N/A	N/A	No Data	8/14/2004
60343*	Three Valleys MWD (Fulton Road)	Conduit Hydro	1,228,000	0	0	N/A	N/A	No Data	8/16/2004
60344*	Three Valleys MWD (Miramar)	Conduit Hydro	1,379,000	0	0	N/A	N/A	No Data	8/17/2004

60345*	Three Valleys MWD (Williams)	Conduit Hydro	1,742,000	0	0	N/A	N/A	No Data	8/18/2004
60347*	Picay Hydroelectric Project	Conduit Hydro	579,000	0	0	N/A	N/A	No Data	8/20/2004
60348*	Calleguas MWD - Unit 3 (Santa Rosa)	Conduit Hydro	381,000	0	0	N/A	N/A	No Data	8/21/2004
60349*	City Of Santa Ana	Conduit Hydro	3,000	0	0	N/A	N/A	No Data	8/22/2004
60350*	Van Horne Turbine Generator	Conduit Hydro	113,000	0	0	N/A	N/A	No Data	8/23/2004
60354*	San Bernardino MWD (Unit 3)	Conduit Hydro	181,000	0	0	N/A	N/A	No Data	8/25/2004
60355*	American Energy, Inc. (Fullerton Hydro)	Conduit Hydro	793,000	0	0	N/A	N/A	No Data	8/26/2004
60356*	Monte Vista Water District	Conduit Hydro	18,000	0	0	N/A	N/A	No Data	8/27/2004
60358	Calleguas MWD (Springville Hydro)	Conduit Hydro	774,000	0	0	774,000	0%	EAO	8/28/2004
60620	Venice Power Plant	Conduit Hydro	11,268,000	0	0	11,268,000	0%	EIA	11/27/2004
60621	Temescal Power Plant	Conduit Hydro	18,330,000	0	0	18,372,000	0%	EIA	11/28/2004
60622	Corona Power Plant	Conduit Hydro	18,271,000	0	0	18,311,000	0%	EIA	11/29/2004
60625	Red Mountain Power Plant	Conduit Hydro	15,558,000	0	0	30,998,000	99%	EAO	11/30/2004
61020	Mammoth Pool Fish Water Generator	Conduit Hydro	1,076,028	0	0	541,892,010	50260%	EAO	12/15/2004
60279*[A]	Royal Farms	Digester Gas	125,000	0	0	N/A	N/A	No Data	6/29/2004

60294	Orange County Sanitation District	Digester Gas	20,000	0	0	42,312,000	211460%	EAO	7/9/2004
60295*	Inland Empire Utilities Agency	Digester Gas	1,269,356	0	0	N/A	N/A	No Data	7/10/2004
60003	Calpine Geothermal Unit 7-8	Geothermal	2,590,000	586,948,000	0	589,537,000	0%	EAO	6/14/2004
60004	Calpine Geothermal Unit 12	Geothermal	419,365,000	6,448,000	0	425,812,000	0%	EAO	6/15/2004
60006	Calpine Geothermal Unit 16	Geothermal	403,232,000	4,263,000	0	407,496,000	0%	EAO	6/16/2004
60007	Calpine Geothermal Unit 17	Geothermal	326,578,000	43,792,000	32,016	402,386,000	9%	EAO	6/17/2004
60008	Calpine Geothermal Unit 18	Geothermal	255,287,000	97,437,000	38,600	394,321,000	12%	EAO	6/18/2004
60009	Calpine Geothermal Unit 20	Geothermal	19,866,000	285,226,000	36,883	341,974,000	12%	EAO	6/19/2004
60010	Sonoma/Calpine Geyser	Geothermal	789,000	242,153,000	56,488	299,430,000	23%	EAO	6/20/2004
60025	Calpine Geothermal Unit 11	Geothermal	131,555,000	375,623,000	17,644	524,822,000	3%	EAO	6/22/2004
60026	Calpine Geothermal Unit 14	Geothermal	411,738,000	9,241,000	0	420,978,000	0%	EAO	6/23/2004
60305	Heber Geothermal Company	Geothermal	367,883,000	0	0	367,818,000	0%	EAO	7/14/2004
60306	Mammoth Pacific L. P. (MP1)	Geothermal	44,100,000	0	0	44,100,000	0%	EIA	7/15/2004
60307	Del Ranch, Ltd., (Niland #2)	Geothermal	357,241,000	0	0	350,000,000	-2%	EIA	7/16/2004
60308	Vulcan/BN Geothermal	Geothermal	314,132,000	0	0	301,532,000	-4%	EAO	7/17/2004

60309	Coso Finance Partners (Navy I)	Geothermal	598,744,000	0	0	599,516,000	0%	EAO	7/18/2004
60310	Elmore Ltd.	Geothermal	348,597,000	0	0	360,000,000	3%	EIA	7/19/2004
60311[B]	Ormesa Geothermal I	Geothermal	181,138,000	0	0	204,622,020	13%	EAO	7/20/2004
60312[B]	Ormesa Geothermal II	Geothermal	139,337,000	0	0	142,261,000	2%	EIA	7/21/2004
60313	Caithness Dixie Valley, LLC.	Geothermal	424,031,000	0	0	427,552,000	1%	EIA	7/22/2004
60315	Mammoth Pacific L. P. I (Ples)	Geothermal	103,731,000	0	0	103,731,000	0%	EIA	7/23/2004
60316	Second Imperial Geothermal Co.	Geothermal	258,480,000	0	0	393,195,000	52%	EAO	7/24/2004
60317	Salton Sea Power Generation Co #3	Geothermal	400,894,000	0	0	400,000,000	0%	EIA	7/25/2004
60318	Leathers L. P.	Geothermal	345,197,000	0	0	350,000,000	1%	EIA	7/26/2004
60319	Mammoth Pacific L P II (MP2)	Geothermal	93,419,000	0	0	93,679,000	0%	EAO	7/27/2004
60320	Salton Sea Power Generation L.P. #2	Geothermal	142,041,000	0	0	136,000,000	-4%	EIA	7/28/2004
60321	Coso Power Developers	Geothermal	585,633,000	0	0	580,823,000	-1%	EAO	7/29/2004
60322	Coso Energy Developers	Geothermal	505,958,000	0	0	510,566,000	1%	EAO	7/30/2004
60323	Salton Sea Power Generation Co #1	Geothermal	81,437,000	0	0	80,000,000	-2%	EIA	7/31/2004
60324	Salton Sea Power Generation Co #4	Geothermal	370,344,000	0	0	370,344,000	0%	Inv	8/1/2004
60640	North Brawley	Geothermal	35,815,000	0	0	34,694,000	-3%	EIA	12/1/2004

61431[C]	Ormesa Geothermal I (Geo East Mesa)	Geothermal	71,071,000	0	0	N/A	N/A	No Data	4/4/2011
60278	Generating Resource Recovery Partners, LP	Landfill Gas	12,447,000	0	0	12,918,000	4%	EIA	6/28/2004
60280	L.A. Co. Sanitation Dist CSD 2610	Landfill Gas	5,602,000	0	0	418,816,000	7376%	EIA	6/30/2004
60283	Toyon Landfill Gas Conversion	Landfill Gas	12,496,000	0	0	12,140,000	-3%	EIA	7/1/2004
60288	L.A. Co. Sanitation Dist Spadra	Landfill Gas	44,460,000	0	0	44,817,000	1%	EIA	7/4/2004
60290	L.A. Co. Sanitation Dist	Landfill Gas	361,765,000	0	0	418,816,000	16%	EIA	7/5/2004
60292	WM Energy Solutions, Inc. (El Sobrante)	Landfill Gas	12,935,000	0	0	13,358,000	3%	EAO	7/7/2004
60293	WM Energy Solutions, Inc. (Simi Valley)	Landfill Gas	11,254,000	0	0	11,833,000	5%	EAO	7/8/2004
60298	MM Tajiguas Energy LLC	Landfill Gas	23,758,000	0	0	23,355,000	-2%	EAO	7/11/2004
60301*	MM Woodville Energy LLC	Landfill Gas	1,049,000	0	0	N/A	N/A	No Data	7/12/2004
60304*	Ventura Regional Sanitation District	Landfill Gas	19,000	0	0	N/A	N/A	No Data	7/13/2004
60680	Badlands Landfill	Landfill Gas	4,218,000	0	2,177,000	6,311,294	-1%	RPS	12/3/2004
60770	Toland Landfill Gas to Energy Project	Landfill Gas	2,550,000	0	0	2,554,022	0%	Inv	12/12/2004
60655	NRG Solar Blythe LLC	Photovoltaic	2,613,000	0	0	2,613,888	0%	Inv	12/2/2004
60707*	SPVP001	Photovoltaic	2,709,000	0	0	N/A	N/A	No Data	12/5/2004
60757*	SPVP002	Photovoltaic	90,000	0	0	N/A	N/A	No Data	12/11/2004
60216*	Henwood Associates	Small Hydro	171,000	1,678,000	0	N/A	N/A	No Data	6/27/2004

60326*	Hi Head Hydro Incorporated	Small Hydro	1,909,000	0	0	N/A	N/A	No Data	8/2/2004
60328*	Henwood Associates	Small Hydro	637,000	0	0	N/A	N/A	No Data	8/3/2004
60329*	Desert Power Company	Small Hydro	1,249,000	0	0	N/A	N/A	No Data	8/4/2004
60332*	San Bernardino MWD	Small Hydro	309,000	0	0	N/A	N/A	No Data	8/6/2004
60336	Whitewater	Small Hydro	1,302,000	0	0	1,373,000	5%	EIA	8/9/2004
60337*	Snow Creek	Small Hydro	534,000	0	0	N/A	N/A	No Data	8/10/2004
60338	Success Dam Power Project	Small Hydro	1,220,000	0	0	1,221,000	0%	EAO	8/11/2004
60339	San Gabriel Hydroelectric Project	Small Hydro	4,423,000	0	0	4,434,010	0%	EAO	8/12/2004
60342	Isabella Hydroelectric Project	Small Hydro	12,760,000	0	0	12,764,000	0%	EAO	8/15/2004
60346	Kaweah River Power Authority	Small Hydro	34,771,000	0	0	34,772,000	0%	EAO	8/19/2004
60352*	Deep Springs College	Small Hydro	6,000	0	0	N/A	N/A	No Data	8/24/2004
60444	Bishop Creek No. 2	Small Hydro	27,921,000	0	0	27,915,000	0%	EIA	11/1/2004
60446	Bishop Creek No. 3	Small Hydro	29,142,000	0	0	29,142,000	0%	EIA	11/2/2004
60447	Bishop Creek No. 4	Small Hydro	40,972,000	0	0	40,972,000	0%	EIA	11/3/2004
60448	Bishop Creek No. 5	Small Hydro	12,364,000	0	0	12,364,000	0%	EIA	11/4/2004
60449	Bishop Creek No. 6	Small Hydro	9,225,000	0	0	9,217,000	0%	EIA	11/5/2004
60450	Borel	Small Hydro	55,091,000	0	0	54,713,000	-1%	EIA	11/6/2004
60451	Fontana	Small Hydro	5,430,000	0	0	5,430,000	0%	EIA	11/7/2004
60452	Kaweah No. 1	Small Hydro	7,137,000	0	0	7,070,000	-1%	EIA	11/8/2004
60453	Kaweah No. 2	Small Hydro	11,415,000	0	0	11,394,000	0%	EIA	11/9/2004
60454	Kaweah No. 3	Small Hydro	23,306,000	0	0	23,295,000	0%	EIA	11/10/2004

60455	Kern River No. 1	Small Hydro	54,412,000	0	0	54,411,977	0%	Inv	11/11/2004
60456	Lundy	Small Hydro	3,660,000	0	0	3,642,000	0%	EIA	11/12/2004
60457	Lytle Creek	Small Hydro	2,469,000	0	0	2,387,000	-3%	EAO	11/13/2004
60459	Mill Creek No. 3	Small Hydro	7,470,000	0	0	7,461,000	0%	EIA	11/14/2004
60460	Ontario No. 1	Small Hydro	3,175,000	0	0	3,174,000	0%	EAO	11/15/2004
60461	Ontario No. 2	Small Hydro	1,383,000	0	0	1,383,000	0%	EAO	11/16/2004
60462	Poole Plant	Small Hydro	29,084,000	0	0	29,078,000	0%	EIA	11/17/2004
60463	Portal Power Plant	Small Hydro	25,535,000	0	0	25,425,030	0%	EAO	11/18/2004
60464	Rush Creek	Small Hydro	56,088,000	0	0	56,088,000	0%	EIA	11/19/2004
60465	Santa Ana No. 1	Small Hydro	3,774,000	0	0	3,747,000	-1%	EIA	11/20/2004
60466	Santa Ana No. 3	Small Hydro	3,433,000	0	0	3,433,994	0%	Inv	11/21/2004
60467	Sierra	Small Hydro	2,604,000	0	0	2,603,000	0%	EAO	11/22/2004
60468	Tule River	Small Hydro	10,292,000	0	0	28,042,000	172%	EIA	11/23/2004
60359	Sunray Energy, Inc.	Solar Thermal	42,394,000	0	0	42,405,000	0%	EAO	8/29/2004
60360	Luz Solar Partners Ltd. III	Solar Thermal	83,768,000	0	0	83,767,716	0%	ERFP	8/30/2004
60361	Luz Solar Partners Ltd. IV	Solar Thermal	82,744,000	0	0	83,413,000	1%	EIA	8/31/2004
60362	Luz Solar Partners Ltd. V	Solar Thermal	77,574,000	0	0	77,574,960	0%	ERFP	9/1/2004
60363	Luz Solar Partners Ltd. VI	Solar Thermal	86,948,000	0	0	86,948,856	0%	ERFP	9/2/2004
60364	Luz Solar Partners Ltd. VII	Solar Thermal	82,707,000	0	0	82,706,868	0%	ERFP	9/3/2004
60365	Luz Solar Partners Ltd. VIII	Solar Thermal	186,881,000	0	0	187,034,000	0%	EIA	9/4/2004

60366	Luz Solar Partners Ltd. IX	Solar Thermal	196,759,000	0	0	197,056,000	0%	EIA	9/5/2004
60754	Sierra Suntower LLC	Solar Thermal	24,000	0	0	24,054	0%	Inv	12/10/2004
60027	Boom-Campbell Wind Farm	Wind	30,134,000	0	0	30,132,528	0%	RPS	6/24/2004
60028	Sirocco	Wind	11,326,000	0	0	11,327,000	0%	EIA	6/25/2004
60029	Cellc 7.5 MW Tehachapi Wind Project	Wind	28,697,000	0	0	28,697,000	0%	EIA	6/26/2004
60284 & 60285	Mountain View I & II	Wind	195,942,000	0	0	195,944,386	0%	Inv	4/5/2005
60291*	Calwind Resources Inc. II	Wind	51,135,000	0	0	N/A	N/A	No Data	7/6/2004
60368	FPL Energy Cabazon Wind, LLC	Wind	85,040,000	0	0	85,019,000	0%	EIA	9/6/2004
60369*	Mogul Energy Partnership I	Wind	9,234,000	0	0	N/A	N/A	No Data	9/7/2004
60370*	Mesa Wind Farm	Wind	57,228,000	0	0	N/A	N/A	No Data	9/8/2004
60371*	San Gorgonio Farms Wind Farm	Wind	7,483,000	0	0	N/A	N/A	No Data	9/9/2004
60372	Boxcar I Power Purchase Contract Trust	Wind	11,798,000	0	0	31,583,000	168%	EIA	9/10/2004
60373*	Windsong Wind Park	Wind	3,160,000	0	0	N/A	N/A	No Data	9/11/2004
60374*	Zephyr Park, Ltd	Wind	9,091,000	0	0	N/A	N/A	No Data	9/12/2004
60375*	Ridgetop Energy, LLC (I)	Wind	147,244,000	0	0	N/A	N/A	No Data	9/13/2004

60377*	San Gorgonio 1 - Aldrich	Wind	23,091,000	0	0	N/A	N/A	No Data	9/14/2004
60378*	EUI Management PH Inc.	Wind	48,947,000	0	0	N/A	N/A	No Data	9/15/2004
60379*	San Gorgonio 2 - Buckwind	Wind	9,680,000	0	0	N/A	N/A	No Data	9/16/2004
60380*	Tehachapi Power Purchase Contract Trust	Wind	115,500,000	0	0	N/A	N/A	No Data	9/17/2004
60381*	Enron Wind Systems, LLC (VG # I)	Wind	12,405,000	0	0	N/A	N/A	No Data	9/18/2004
60382*	Enron Wind Systems, LLC (VG #2)	Wind	11,206,000	0	0	N/A	N/A	No Data	9/19/2004
60383*	Enron Wind Systems, LLC (VG #3)	Wind	9,547,000	0	0	N/A	N/A	No Data	9/20/2004
60384*	Enron Wind Systems, LLC (VG #4)	Wind	9,155,000	0	0	N/A	N/A	No Data	9/21/2004
60385*	Zond Wind Systems Partners, Series 85-A	Wind	20,087,000	0	0	N/A	N/A	No Data	9/22/2004
60386*	Zond Wind Systems Partners, Series 85-B	Wind	27,565,000	0	0	N/A	N/A	No Data	9/23/2004
60387	Section 20 Trust	Wind	40,336,000	0	0	40,335,600	0%	Inv	9/24/2004
60388*	NAWP Inc. [East Winds Proj]	Wind	8,036,000	0	0	N/A	N/A	No Data	9/25/2004
60389*	Difwind Farms Limited V	Wind	14,191,000	0	0	N/A	N/A	No Data	9/26/2004
60391	Edom Hills Project 1, LLC	Wind	31,579,000	0	0	31,641,000	0%	EIA	9/27/2004

60392*	Cameron Ridge LLC (III)	Wind	137,624,000	0	0	N/A	N/A	No Data	9/28/2004
60393	San Gorgonio Westwinds II, LLC	Wind	29,118,000	0	0	128,525,440	341%	EIA	9/29/2004
60394*	Calwind Resources Inc.	Wind	15,125,000	0	0	N/A	N/A	No Data	9/30/2004
60395*	Windridge Incorporated	Wind	1,631,000	0	0	N/A	N/A	No Data	10/1/2004
60396*	Energy Development & Const. Corp.	Wind	33,388,000	0	0	N/A	N/A	No Data	10/2/2004
60397*	Desert Winds I Ppc Trust	Wind	77,926,000	0	0	N/A	N/A	No Data	10/3/2004
60398[D]	Section 7 Trust	Wind	55,890,000	0	0	55,874,619	0%	EIA	10/4/2004
60399*	Sky River Partnership (Wilderness I)	Wind	78,074,000	0	0	N/A	N/A	No Data	10/5/2004
60400*	Sky River Partnership (Wilderness II)	Wind	42,451,000	0	0	N/A	N/A	No Data	10/6/2004
60401*	Sky River Partnership (Wilderness III)	Wind	43,903,000	0	0	N/A	N/A	No Data	10/7/2004
60402	Section 16-29 Trust (Altech III)	Wind	79,379,000	0	0	79,405,656	0%	Inv	10/8/2004
60403*	Difwind Partners	Wind	28,639,000	0	0	N/A	N/A	No Data	10/9/2004
60405	Alta Mesa Pwr. Purch. Contract Trust	Wind	67,366,000	0	0	69,087,000	3%	EIA	10/10/2004
60406*	Cameron Ridge LLC (IV)	Wind	36,374,000	0	0	N/A	N/A	No Data	10/11/2004
60407	Ridgetop Energy, LLC (II)	Wind	77,895,000	0	0	83,555,522	7%	Inv	10/12/2004
60408*	Section 22 Trust [San Jacinto]	Wind	42,999,000	0	0	N/A	N/A	No Data	10/13/2004

60409*	Dutch Energy	Wind	20,939,000	0	0	N/A	N/A	No Data	10/14/2004
60410*	Westwind Trust	Wind	25,353,000	0	0	N/A	N/A	No Data	10/15/2004
60411	Boxcar II Power Purchase Contract Trst	Wind	19,794,000	0	0	31,583,000	60%	EIA	10/16/2004
60412*	San Gorgonio 3 - Carter	Wind	3,349,000	0	0	N/A	N/A	No Data	10/17/2004
60413*	Victory Garden Phase IV Partner - 6102	Wind	16,246,000	0	0	N/A	N/A	No Data	10/18/2004
60414*	Victory Garden Phase IV Partner - 6103	Wind	12,877,000	0	0	N/A	N/A	No Data	10/19/2004
60415*	Victory Garden Phase IV Partner - 6104	Wind	15,549,000	0	0	N/A	N/A	No Data	10/20/2004
60416*	Caithness 251 Wind, LLC (Monolith X)	Wind	9,968,000	0	0	N/A	N/A	No Data	10/21/2004
60417*	Caithness 251 Wind, LLC (Monolith XI)	Wind	8,784,000	0	0	N/A	N/A	No Data	10/22/2004
60418*	Caithness 251 Wind, LLC (Monolith XII)	Wind	10,401,000	0	0	N/A	N/A	No Data	10/23/2004
60419*	Caithness 251 Wind, LLC (Monolith XIII)	Wind	7,657,000	0	0	N/A	N/A	No Data	10/24/2004
60420*	Enron Wind Systems, LLC (Northwind)	Wind	8,995,000	0	0	N/A	N/A	No Data	10/25/2004
60421*	Painted Hills Wind Developers	Wind	36,333,000	0	0	N/A	N/A	No Data	10/26/2004
60422	Desert Winds II Pwr Purch Trst	Wind	199,358,000	0	0	196,567,000	-1%	EIA	10/27/2004
60423	Desert Wind III PPC Trust	Wind	77,885,000	0	0	157,218,000	102%	EIA	10/28/2004
60424*	San Gorgonio 4 - Renwind	Wind	8,582,000	0	0	N/A	N/A	No Data	10/29/2004

60428*	San Gorgonio 5 - Triad	Wind	31,586,000	0	0	N/A	N/A	No Data	10/30/2004
60429	Oak Creek Energy Systems Inc.	Wind	76,714,000	0	0	88,805,000	16%	EIA	10/31/2004
60542	Dillon Wind	Wind	154,468,000	0	0	154,175,920	0%	EIA	11/24/2004
60562	Leaning Juniper	Wind	14,060,000	170,576,000	0	258,672,000	40%	EIA	11/25/2004
60564	Wolverine Creek	Wind	9,868,000	82,006,000	0	153,791,000	67%	EIA	11/26/2004
60729	Marengo	Wind	20,427,000	195,351,000	0	474,831,000	120%	EIA	12/6/2004
60730	Marengo II	Wind	10,213,000	96,419,000	0	474,831,000	345%	EIA	12/7/2004
60745	Hopkins Ridge Wind Project	Wind	261,218,000	50,000,000	0	379,078,000	22%	EIA	12/8/2004
60746	Wild Horse Wind Project	Wind	535,274,000	0	0	555,156,000	4%	EIA	12/9/2004
60805	Glenrock I	Wind	31,521,000	86,030,000	0	337,581,000	187%	EIA	12/13/2004
60806	Rolling Hills	Wind	24,265,000	132,095,000	0	206,185,000	32%	EIA	12/14/2004

* RPS identification numbers that end in the suffix E and show No Data in the column "Generation Data Used for Comparison with Procurement" are utility-certified facilities with no independently reported generation. As stated on page 47 in the RPS Eligibility Guidebook, Third Edition, the retail seller is responsible for reporting the generation data for the facilities it certifies. This reporting requirement will be satisfied through the CEC-RPS-Track forms and WREGIS State/Provincial/Voluntary Compliance Reports. Therefore, the asterisk indicates that the facility is utility-certified and that the procurement amount reported is accepted as reported on the RPS-Track form and/or WREGIS State/Provincial/Voluntary Compliance Report.

A SCE has requested that 24,000 kWh from the procurement claims from Royal Farms (RPS ID 60279) be counted as withdrawn procurement due to the procurement being claimed before the facility's beginning on date.

B SCE has requested that 44,101,000 kWh from the procurement claims from Ormesa Geothermal I (RPS ID 60311 and Ormesa Geothermal II (RPS ID 60312) be counted as withdrawn procurement due to adjustment of the facilities' nameplate capacities.

C SCE has requested that the procurement claim from Ormesa Geothermal I (Geo East Mesa, RPS ID 61431) be counted as withdrawn procurement due the facility not being RPS certified at the time of the procurement.

D SCE has requested that 14,719 kWh from the procurement claim from Section 7 Trust (RPS ID 60398) be counted as withdrawn procurement due to the procurement being attributed to on-site use.

2010 RPS Procurement Claims

CEC RPS ID Number[1]	Facility Name[2]	Fuel Type[3]	Annual Generation Procured (kWh)[4]	RPS Claims by Other Retail Sellers (kWh)[5]	Procurement Reported to PSDP/ Voluntary Programs (kWh)[6]	Generation Data Compared With Procurement (kWh)[7]	% Difference Between Generation and Procurement[8]	Generation Data Source[9]	Facility's Beginning On Date[10]
60020	Imperial Valley Resource Recovery	Biomass	74,231,000	0	0	74,231,000	0%	EIA	8/11/2004
60692	Colmac Energy Mecca Plant	Biomass	362,927,000	0	0	362,924,000	0%	EIA	6/1/2008
60330*	Calleguas Municipal Water District - Conejo	Conduit Hydro	2,000	0	0	N/A	N/A	No Data	4/5/2005
60333*	Walnut Valley Water District - Unit 1	Conduit Hydro	767,000	0	0	N/A	N/A	No Data	4/5/2005
60335	Calleguas MWD - Unit 2 (East Portal)	Conduit Hydro	3,974,000	0	0	3,974,000	0%	EAO	4/5/2005
60340*	Daniel M. Bates, et al.	Conduit Hydro	1,230,000	0	0	N/A	N/A	No Data	4/5/2005
60341*	Richard Moss	Conduit Hydro	478,000	0	0	N/A	N/A	No Data	4/5/2005
60343*	Three Valleys MWD (Fulton Road)	Conduit Hydro	1,249,000	0	0	N/A	N/A	No Data	4/5/2005
60344*	Three Valleys MWD (Miramar)	Conduit Hydro	791,000	0	0	N/A	N/A	No Data	4/5/2005
60345*	Three Valleys MWD (Williams)	Conduit Hydro	1,844,000	0	0	N/A	N/A	No Data	4/5/2005
60347*	Picay Hydroelectric Project	Conduit Hydro	635,000	0	0	N/A	N/A	No Data	4/5/2005

60348*	Calleguas MWD - Unit 3 (Santa Rosa)	Conduit Hydro	436,000	0	0	N/A	N/A	No Data	4/5/2005
60349*	City Of Santa Ana	Conduit Hydro	20,000	0	0	N/A	N/A	No Data	4/5/2005
60354*	San Bernardino MWD (Unit 3)	Conduit Hydro	247,000	0	0	N/A	N/A	No Data	4/5/2005
60355*	American Energy, Inc. (Fullerton Hydro)	Conduit Hydro	694,000	0	0	N/A	N/A	No Data	4/5/2005
60356*	Monte Vista Water District	Conduit Hydro	487,000	0	0	N/A	N/A	No Data	4/5/2005
60357*	Ontario Hydroelectric Station (Station No. 1)	Conduit Hydro	141,000	0	0	N/A	N/A	No Data	4/5/2005
60358	Calleguas MWD (Springville Hydro)	Conduit Hydro	1,522,000	0	0	1,552,000	2%	EAO	4/5/2005
60620	Venice Power Plant	Conduit Hydro	8,671,000	0	0	8,663,080	0%	EAO	3/30/2005
60621	Temescal Power Plant	Conduit Hydro	19,518,000	0	0	19,519,000	0%	EAO	3/30/2005
60622	Corona Power Plant	Conduit Hydro	18,848,000	0	0	18,849,000	0%	EAO	3/30/2005
60625	Red Mountain Power Plant	Conduit Hydro	31,707,000	0	0	62,788,000	98%	EAO	3/30/2005
61020	Mammoth Pool Fish Water Generator	Conduit Hydro	1,719,000	0	0	708,586,000	41121%	EAO	3/9/2010
60279*[A]	Royal Farms	Digester Gas	95,000	0	0	N/A	N/A	No Data	4/5/2005
60294	Orange County Sanitation District	Digester Gas	10,000	0	0	40,765,100	407551%	EAO	4/5/2005
60295*	Inland Empire Utilities Agency	Digester Gas	1,268,000	0	0	N/A	N/A	No Data	4/5/2005

61021*	Royal Farms #2	Digester Gas	119,000	0	0	N/A	N/A	No Data	3/9/2010
60004	Calpine Geothermal Unit 12	Geothermal	402,491,000	12,534,000	0	415,025,000	0%	EAO	6/14/2004
60005	Calpine Geothermal Unit 13	Geothermal	8,098,000	479,013,000	0	487,108,000	0%	EAO	6/14/2004
60006	Calpine Geothermal Unit 16	Geothermal	396,136,000	90,000	0	396,226,000	0%	EAO	6/14/2004
60007	Calpine Geothermal Unit 17	Geothermal	418,833,000	0	89,249	418,833,000	0%	EAO	6/14/2004
60008	Calpine Geothermal Unit 18	Geothermal	258,672,000	123,101,000	0	381,773,000	0%	EAO	6/14/2004
60009	Calpine Geothermal Unit 20	Geothermal	4,672,000	324,994,000	0	329,676,000	0%	EAO	6/14/2004
60010	Sonoma/Calpine Geyser	Geothermal	60,918,000	248,132,000	0	309,051,000	0%	EAO	6/14/2004
60025	Calpine Geothermal Unit 11	Geothermal	1,033,000	475,689,000	0	476,738,000	0%	EAO	6/14/2004
60026	Calpine Geothermal Unit 14	Geothermal	418,462,000	1,054,000	0	419,517,000	0%	EAO	6/14/2004
60305	Heber Geothermal Company	Geothermal	336,313,000	0	0	335,962,120	0%	EAO	4/5/2005
60306	Mammoth Pacific L. P. (MP1)	Geothermal	49,143,000	0	0	48,609,250	-1%	EAO	4/5/2005
60307	Del Ranch, Ltd., (Niland #2)	Geothermal	355,423,000	0	0	341,489,000	-4%	EAO	4/5/2005
60308	Vulcan/BN Geothermal	Geothermal	309,252,000	0	0	296,903,000	-4%	EAO	4/5/2005
60309	Coso Finance Partners (Navy I)	Geothermal	545,535,000	0	0	545,065,000	0%	EIA	4/5/2005
60310	Elmore Ltd.	Geothermal	339,683,000	0	0	328,504,000	-3%	EAO	4/5/2005

60311[B]	Ormesa Geothermal I	Geothermal	181,100,000	0	0	178,127,120	-2%	EAO	4/5/2005
60312[B]	Ormesa Geothermal II	Geothermal	139,307,000	0	0	129,049,000	-7%	EAO	4/5/2005
60313	Caithness Dixie Valley, LLC.	Geothermal	428,002,000	0	0	437,372,000	2%	EIA	4/5/2005
60315	Mammoth Pacific L. P. I (Ples)	Geothermal	100,821,000	0	0	101,427,000	1%	EAO	4/5/2005
60316	Second Imperial Geothermal Co.	Geothermal	250,526,000	0	0	393,592,000	57%	EAO	4/5/2005
60317	Salton Sea Power Generation L.P. #3	Geothermal	393,320,000	0	0	380,141,000	-3%	EAO	4/5/2005
60318	Leathers L. P.	Geothermal	352,126,000	0	0	339,343,000	-4%	EAO	4/5/2005
60319	Mammoth Pacific L P II (MP2)	Geothermal	81,622,000	0	0	82,503,000	1%	EAO	4/5/2005
60320	Salton Sea Power Generation L.P. #2	Geothermal	127,746,000	0	0	121,824,000	-5%	EAO	4/5/2005
60321	Coso Power Developers	Geothermal	586,485,000	0	0	586,471,000	0%	EAO	4/5/2005
60322	Coso Energy Developers	Geothermal	468,879,000	0	0	469,283,000	0%	EIA	4/5/2005
60323	Salton Sea Power Generation L.P. #1	Geothermal	78,976,000	0	0	77,130,000	-2%	EAO	4/5/2005
60324	Salton Sea IV	Geothermal	355,050,000	0	0	355,050,000	0%	Inv	4/5/2005
60640	North Brawley	Geothermal	183,285,000	0	0	177,569,000	-3%	EIA	10/16/2007
61431[C]	Ormesa Geothermal I (Geo East Mesa)	Geothermal	116,090,000	0	0	N/A	N/A	No Data	4/4/2011
60280	L.A. Co. Sanitation Dist CSD 2610	Landfill Gas	6,286,000	0	0	446,098,000	6997%	EIA	4/5/2005

60283	Toyon Landfill Gas Conversion	Landfill Gas	5,841,000	0	0	10,150,000	74%	EAO	4/5/2005
60288	L.A. Co. Sanitation Dist Spadra	Landfill Gas	41,064,000	0	0	41,057,000	0%	EAO	4/5/2005
60290	L.A. Co. Sanitation Dist	Landfill Gas	388,576,000	0	0	446,098,000	15%	EIA	4/5/2005
60292	WM Energy Solutions, Inc. (El Sobrante)	Landfill Gas	20,912,000	0	0	20,884,980	0%	EAO	4/5/2005
60293	WM Energy Solutions, Inc. (Simi Valley)	Landfill Gas	13,292,000	0	0	13,297,000	0%	EAO	4/5/2005
60298	MM Tajiguas Energy LLC	Landfill Gas	24,431,000	0	0	23,991,000	-2%	EAO	4/5/2005
60680	Badlands Landfill	Landfill Gas	6,229,000	0	0	6,274,666	1%	RPS	2/19/2008
60770	Toland Landfill Gas to Energy Project	Landfill Gas	7,368,000	0	0	N/A	N/A	No Data	2/11/2009
60655	NRG Solar Blythe LLC	Photovoltaic	49,629,000	0	0	51,487,883	4%	RPS	3/10/2008
60707*	SPVP001	Photovoltaic	2,838,000	0	0	N/A	N/A	No Data	5/28/2008
60757*	SPVP002	Photovoltaic	1,454,000	0	0	N/A	N/A	No Data	2/12/2009
60879*	SPVP003	Photovoltaic	127,000	0	0	N/A	N/A	No Data	9/9/2009
61036*	SPVP008	Photovoltaic	8,998	0	0	N/A	N/A	No Data	3/1/2010
61038*	SPVP012	Photovoltaic	23	0	0	N/A	N/A	No Data	3/1/2010
61039*	SPVP022	Photovoltaic	389,632	0	0	N/A	N/A	No Data	3/2/2010
61235*	SPVP005	Photovoltaic	1,714	0	0	N/A	N/A	No Data	9/27/2010
61236*	SPVP007	Photovoltaic	5,942	0	0	N/A	N/A	No Data	9/27/2010
61241*	SPVP042	Photovoltaic	20,712	0	0	N/A	N/A	No Data	9/27/2010
60326*	Hi Head Hydro Incorporated	Small Hydro	1,709,000	0	0	N/A	N/A	No Data	4/5/2005
60329*	Desert Power	Small Hydro	1,616,000	0	0	N/A	N/A	No Data	4/5/2005

	Company								
60332*	San Bernardino MWD	Small Hydro	365,000	0	0	N/A	N/A	No Data	4/5/2005
60336	Whitewater	Small Hydro	4,154,000	0	0	4,153,536	0%	EAO	4/5/2005
60337*	Snow Creek	Small Hydro	360,000	0	0	N/A	N/A	No Data	4/5/2005
60338	Success Dam Power Project	Small Hydro	2,501,000	0	0	2,473,000	-1%	EAO	4/5/2005
60339	San Gabriel Hydroelectric Project	Small Hydro	22,782,000	0	0	22,782,000	0%	EAO	4/5/2005
60342	Isabella Hydroelectric Project	Small Hydro	40,478,000	0	0	40,474,060	0%	EAO	4/5/2005
60346	Kaweah River Power Authority	Small Hydro	52,794,000	0	0	52,795,030	0%	EAO	4/5/2005
60444	Bishop Creek No. 2	Small Hydro	35,104,000	0	0	35,105,000	0%	EAO	5/11/2005
60446	Bishop Creek No. 3	Small Hydro	33,060,000	0	0	33,057,000	0%	EAO	5/11/2005
60447	Bishop Creek No. 4	Small Hydro	50,196,000	0	0	50,197,000	0%	EAO	5/11/2005
60448	Bishop Creek No. 5	Small Hydro	15,498,000	0	0	15,496,000	0%	EAO	5/11/2005
60449	Bishop Creek No. 6	Small Hydro	3,705,000	0	0	3,666,000	-1%	EAO	5/11/2005
60450	Borel	Small Hydro	44,074,000	0	0	44,043,020	0%	EAO	5/11/2005
60451	Fontana	Small Hydro	7,794,000	0	0	7,793,000	0%	EAO	5/11/2005
60452	Kaweah No. 1	Small Hydro	7,955,000	0	0	7,903,000	-1%	EAO	5/11/2005
60453	Kaweah No. 2	Small Hydro	12,574,000	0	0	12,555,000	0%	EAO	5/11/2005
60454	Kaweah No. 3	Small Hydro	27,863,000	0	0	27,855,000	0%	EAO	5/11/2005
60455	Kern River No. 1	Small Hydro	96,842,000	0	0	76,953,898	-21%	Inv	5/11/2005
60456	Lundy	Small Hydro	9,192,000	0	0	9,190,000	0%	EAO	5/11/2005
60457	Lytle Creek	Small Hydro	3,208,000	0	0	3,206,000	0%	EAO	5/11/2005
60458	Mill Creek No. 1	Small Hydro	974,000	0	0	973,000	0%	EAO	5/11/2005

60459	Mill Creek No. 3	Small Hydro	10,971,000	0	0	10,960,000	0%	EAO	5/11/2005
60460	Ontario No. 1	Small Hydro	3,407,000	0	0	3,402,000	0%	EAO	5/11/2005
60461	Ontario No. 2	Small Hydro	1,855,000	0	0	1,854,000	0%	EAO	5/11/2005
60462	Poole Plant	Small Hydro	32,340,000	0	0	32,334,000	0%	EAO	5/11/2005
60463	Portal Power Plant	Small Hydro	23,833,000	0	0	23,730,010	0%	EAO	5/11/2005
60464	Rush Creek	Small Hydro	54,074,000	0	0	54,054,000	0%	EAO	5/11/2005
60465	Santa Ana No. 1	Small Hydro	6,885,000	0	0	6,861,000	0%	EAO	5/11/2005
60466	Santa Ana No. 3	Small Hydro	9,688,000	0	0	9,692,697	0%	Inv	5/11/2005
60467	Sierra	Small Hydro	3,814,000	0	0	3,813,000	0%	EAO	5/11/2005
60359	Sunray Energy, Inc.	Solar Thermal	48,160,000	0	0	48,159,756	0%	ERFP	4/5/2005
60360	Luz Solar Partners Ltd. III	Solar Thermal	72,915,000	0	0	72,948,000	0%	EIA	4/5/2005
60361	Luz Solar Partners Ltd. IV	Solar Thermal	75,837,000	0	0	75,894,000	0%	EIA	4/5/2005
60362	Luz Solar Partners Ltd. V	Solar Thermal	67,045,000	0	0	67,029,010	0%	EAO	4/5/2005
60363	Luz Solar Partners Ltd. VI	Solar Thermal	83,583,000	0	0	83,583,252	0%	ERFP	4/5/2005
60364	Luz Solar Partners Ltd. VII	Solar Thermal	78,516,000	0	0	78,516,864	0%	ERFP	4/5/2005
60365	Luz Solar Partners Ltd. VIII	Solar Thermal	219,847,000	0	0	219,846,600	0%	ERFP	4/5/2005
60366	Luz Solar Partners Ltd. IX	Solar Thermal	232,567,000	0	0	232,566,696	0%	ERFP	4/5/2005
60754	Sierra Suntower LLC	Solar Thermal	610,000	0	0	600,000	-2%	EAO	1/21/2009
60027	Boom-Campbell Wind	Wind	32,346,000	0	0	32,346,432	0%	RPS	10/10/2004

	Farm								
60028	Sirocco	Wind	11,012,000	0	0	11,011,298	0%	RPS	10/10/2004
60029	Cellc 7.5 MW Tehachapi Wind Project	Wind	29,495,000	0	0	29,495,690	0%	RPS	10/10/2004
60284 & 60285	Mountain View I & II	Wind	228,332,000	0	0	224,936,001	-1%	EIA	4/5/2005
60291*	Calwind Resources Inc. II	Wind	52,232,000	0	0	N/A	N/A	No Data	4/5/2005
60368	FPL Energy Cabazon Wind, LLC	Wind	87,926,000	0	0	87,921,000	0%	EIA	4/5/2005
60369*	Mogul Energy Partnership I	Wind	9,132,000	0	0	N/A	N/A	No Data	4/5/2005
60370*	Mesa Wind Developers	Wind	53,394,000	0	0	N/A	N/A	No Data	4/5/2005
60371*	San Gorgonio Farms Wind Farm	Wind	7,172,000	0	0	N/A	N/A	No Data	4/5/2005
60372*	Boxcar I Power Purchase Contract Trust	Wind	10,291,000	0	0	N/A	N/A	No Data	4/5/2005
60373*	Windsong Wind Park	Wind	490,000	0	0	N/A	N/A	No Data	4/5/2005
60374*	Zephyr Park, Ltd	Wind	8,987,000	0	0	N/A	N/A	No Data	4/5/2005
60375*	Ridgetop Energy, LLC (I)	Wind	145,971,000	0	0	N/A	N/A	No Data	4/5/2005
60377*	Windpower Partners 1993 L.P.	Wind	24,797,000	0	0	N/A	N/A	No Data	4/5/2005
60378*	EUI Management PH Inc.	Wind	46,174,000	0	0	N/A	N/A	No Data	4/5/2005
60379*	Windpower Partners 1993 L.P.	Wind	12,510,000	0	0	N/A	N/A	No Data	4/5/2005

60380*	Tehachapi Power Purchase Contract Trust	Wind	108,538,000	0	0	N/A	N/A	No Data	4/5/2005
60381*	Enron Wind Systems, LLC (VG # I)	Wind	12,131,000	0	0	N/A	N/A	No Data	4/5/2005
60382*	Enron Wind Systems, LLC (VG #2)	Wind	11,070,000	0	0	N/A	N/A	No Data	4/5/2005
60383*	Enron Wind Systems, LLC (VG #3)	Wind	9,795,000	0	0	N/A	N/A	No Data	4/5/2005
60384*	Enron Wind Systems, LLC (VG #4)	Wind	9,118,000	0	0	N/A	N/A	No Data	4/5/2005
60385*	Zond Wind Systems Partners, Series 85-A	Wind	21,314,000	0	0	N/A	N/A	No Data	4/5/2005
60386*	Zond Wind Systems Partners, Series 85-B	Wind	29,397,000	0	0	N/A	N/A	No Data	4/5/2005
60387*	Section 20 Trust	Wind	38,254,000	0	0	N/A	N/A	No Data	4/5/2005
60388*	NAWP Inc. [East Winds Proj]	Wind	8,475,000	0	0	N/A	N/A	No Data	4/5/2005
60389*	Difwind Farms Limited V	Wind	14,179,000	0	0	N/A	N/A	No Data	4/5/2005
60391	Edom Hills Project 1, LLC	Wind	48,048,000	0	0	48,048,378	0%	RPS	4/5/2005
60392*	Cameron Ridge LLC (III)	Wind	135,609,000	0	0	N/A	N/A	No Data	4/5/2005
60393	San Gorgonio Westwinds II, LLC	Wind	28,459,000	0	0	124,527,000	338%	EIA	4/5/2005
60394*	Calwind Resources Inc.	Wind	15,915,000	0	0	N/A	N/A	No Data	4/5/2005
60395*	Windridge Incorporated	Wind	1,582,000	0	0	N/A	N/A	No Data	4/5/2005

60396*	Energy Development & Const. Corp.	Wind	33,755,000	0	0	N/A	N/A	No Data	4/5/2005
60397*	Desert Winds I Ppc Trust	Wind	79,047,000	0	0	N/A	N/A	No Data	4/5/2005
60398*D	Section 7 Trust	Wind	61,716,000	0	0	N/A	N/A	No Data	4/5/2005
60399*	Sky River Partnership (Wilderness I)	Wind	83,417,000	0	0	N/A	N/A	No Data	4/5/2005
60400*	Sky River Partnership (Wilderness II)	Wind	44,388,000	0	0	N/A	N/A	No Data	4/5/2005
60401*	Sky River Partnership (Wilderness III)	Wind	45,107,000	0	0	N/A	N/A	No Data	4/5/2005
60402*	Section 16-29 Trust (Altech III)	Wind	76,004,000	0	0	N/A	N/A	No Data	4/5/2005
60403*	Difwind Partners	Wind	25,350,000	0	0	N/A	N/A	No Data	4/5/2005
60405*	Alta Mesa Pwr. Purch. Contract Trust	Wind	60,981,000	0	0	N/A	N/A	No Data	4/5/2005
60406*	Cameron Ridge LLC (IV)	Wind	36,040,000	0	0	N/A	N/A	No Data	4/5/2005
60407	Ridgetop Energy, LLC (II)	Wind	80,773,000	0	0	83,944,822	4%	Inv	4/5/2005
60408*	Section 22 Trust [San Jacinto]	Wind	41,939,000	0	0	N/A	N/A	No Data	4/5/2005
60409*	Dutch Energy	Wind	21,001,000	0	0	N/A	N/A	No Data	4/5/2005
60410*	Westwind Trust	Wind	25,416,000	0	0	N/A	N/A	No Data	4/5/2005
60411*	Boxcar II Power Purchase Contract Trst	Wind	19,844,000	0	0	N/A	N/A	No Data	4/5/2005
60412	BNY Western Trust Company	Wind	3,669,000	0	0	N/A	N/A	No Data	4/5/2005

60413	Victory Garden Phase IV Partner - 6102	Wind	16,140,000	0	0	N/A	N/A	No Data	4/5/2005
60414	Victory Garden Phase IV Partner - 6103	Wind	12,961,000	0	0	N/A	N/A	No Data	4/5/2005
60415	Victory Garden Phase IV Partner - 6104	Wind	15,827,000	0	0	N/A	N/A	No Data	4/5/2005
60416	Caithness 251 Wind, LLC (Monolith X)	Wind	10,537,000	0	0	N/A	N/A	No Data	4/5/2005
60417	Caithness 251 Wind, LLC (Monolith XI)	Wind	7,814,000	0	0	N/A	N/A	No Data	4/5/2005
60418	Caithness 251 Wind, LLC (Monolith XII)	Wind	9,874,000	0	0	N/A	N/A	No Data	4/5/2005
60419	Caithness 251 Wind, LLC (Monolith XIII)	Wind	7,515,000	0	0	N/A	N/A	No Data	4/5/2005
60420	Enron Wind Systems, LLC (Northwind)	Wind	8,861,000	0	0	N/A	N/A	No Data	4/5/2005
60421	Painted Hills Wind Developers	Wind	34,731,000	0	0	N/A	N/A	No Data	4/5/2005
60422	Desert Winds II Pwr Purch Trst	Wind	201,692,000	0	0	N/A	N/A	No Data	4/5/2005
60423	Desert Wind III PPC Trust	Wind	78,820,000	0	0	115,498,000	47%	EIA	4/5/2005
60424*	Windpower Partners 1993, L.P.	Wind	11,440,000	0	0	N/A	N/A	No Data	4/5/2005
60428*	BNY Western Trust Company	Wind	35,177,000	0	0	N/A	N/A	No Data	4/5/2005
60429	Oak Creek Energy Systems Inc.	Wind	78,560,000	0	0	87,548,000	11%	EIA	4/5/2005
60542	Dillon Wind	Wind	155,778,000	0	0	169,880,000	9%	EIA	11/13/2006

60564*	Wolverine Creek	Wind	34,997,000	27,917,000	0	N/A	N/A	No Data	6/7/2007
60602 & 60694	Klondike Wind Power III & Klondike Wind Power IIIA	Wind	123,815,000	431,481,000	-	735,364,000	32%	EIA	7/5/2007 & 5/2/2008
60691	Goshen Phase II	Wind	91,023,000	0	0			No Data	5/13/2008
60729*	Marengo	Wind	87,726,000	150,290,000	0	N/A	N/A	No Data	10/21/2008
60730*	Marengo II	Wind	66,100,000	43,986,000	0	N/A	N/A	No Data	10/21/2008
60745	Hopkins Ridge Wind Project	Wind	381,271,000	0	0	379,310,000	-1%	EIA	11/26/2008
60746	Wild Horse Wind Project	Wind	610,815,000	0	0	607,137,000	-1%	EIA	11/26/2008
60794	Alta Wind I Energy Center	Wind	24,551,000	0	0	24,544,395	0%	RPS	5/15/2009
60795	Alta Wind II Energy Center	Wind	17,557,000	0	0	17,557,347	0%	RPS	5/15/2009
60805	Glenrock I	Wind	109,236,000	52,027,000	0	387,908,000	141%	EIA	2/5/2009
60806	Rolling Hills	Wind	29,541,000	185,599,000	0	252,669,000	17%	EIA	1/26/2009
61092	Alta Wind III Energy Center	Wind	452,989	0	0	452,988	0%	RPS	6/8/2010

* RPS identification numbers that end in the suffix E and show No Data in the column "Generation Data Used for Comparison with Procurement" are utility-certified facilities with no independently reported generation. As stated on page 47 in the *RPS Eligibility Guidebook*, Third Edition, the retail seller is responsible for reporting the generation data for the facilities it certifies. This reporting requirement will be satisfied through the CEC-RPS-Track forms and WREGIS State/Provincial/Voluntary Compliance Reports. Therefore, the asterisk indicates that the facility is utility-certified and that the procurement amount reported is accepted as reported on the RPS-Track form and/or WREGIS State/Provincial/Voluntary Compliance Report.

A SCE has requested that 22,000 kWh from the procurement claims from Royal Farms (RPS ID 60279) be counted as withdrawn procurement due to the procurement being claimed before the facility's beginning on date.

B SCE has requested that 44,092,000 kWh from the procurement claims from Ormesa Geothermal I (RPS ID 60311 and Ormesa Geothermal II (RPS ID 60312) be counted as withdrawn procurement due to adjustment of the facilities' nameplate capacities.

C SCE has requested that the procurement claim from Ormesa Geothermal I (Geo East Mesa, RPS ID 61431) be counted as withdrawn procurement due the facility not being RPS certified at the time of the procurement claim.
D SCE has requested that 18,128 kWh from the procurement claim from Section 7 Trust (RPS ID 60398) be counted as withdrawn procurement due to the procurement being attributed to on-site use.

San Diego Gas & Electric RPS Procurement Claims Analysis

2008 RPS Procurement Claims

CEC RPS ID Number[1]	Facility Name[2]	Fuel Type[3]	Annual Generation Procured (kWh)[4]	RPS Claims by Other Retail Sellers (kWh)[5]	Procurement Reported to PSDP/ Voluntary Programs (kWh)[6]	Generation Data Compared With Procurement (kWh)[7]	% Difference Between Generation and Procurement[8]	Generation Data Source[9]	Facility's Beginning On Date[10]
60431	AES Delano, Inc.	Biomass	318,941,356	0	0	318,941,820	0%	ERFP	3/18/2005
60438	Badger Filtration Plant	Conduit Hydro	1,328,000	0	0	1,328,291	0%	Inv	4/26/2005
60439	Bear Valley Hydro	Conduit Hydro	5,544,216	0	0	5,545,000	0%	EIA	4/26/2005
60441*	Olivenhain Municipal Water District	Conduit Hydro	427,439	0	0	N/A	N/A	No Data	4/26/2005
60442*	San Francisco Peak Hydro Plant	Conduit Hydro	691,490	0	0	N/A	N/A	No Data	4/26/2005
60470	Rancho Penasquitos Pressure Control Hydroelectric Facility	Conduit Hydro	22,892,132	0	0	22,893,084	0%	RPS	5/24/2005
60551	Gas Utilization Facility	Digester Gas	12,916,796	0	0	32,309,000	150%	EAO	2/22/2007
60011 & 60486	Sycamore Energy 1 LLC & Sycamore Canyon 2	Landfill Gas	13,017,906		0	16,067,000	23%	EAO	7/26/2004 & 11/2/2005
60433 & 60434	Otay Landfill 1 & 2	Landfill Gas	24,398,696	0	0	25,398,000	4%	EAO	4/26/2005
60435	San Marcos Energy LLC	Landfill Gas	4,992,326	0	0	4,993,005	0%	Inv	4/26/2005
60436	Sycamore Landfill	Landfill Gas	2,431,823	0	0	16,067,000	561%	EAO	4/26/2005

60481	MM San Diego Energy (Miramar)	Landfill Gas	29,459,704	0	0	47,101,000	60%	EIA	9/8/2005
60482	MM San Diego Energy (North City)	Landfill Gas	3,542,361	0	0	30,224,000	753%	EIA	9/8/2005
60485	Gas Recovery Systems - Coyote Canyon	Landfill Gas	54,585,686	0	0	54,074,000	-1%	EIA	11/2/2005
60550*	Jamacha Landfill	Landfill Gas	2,909	0	0	N/A	N/A	No Data	3/1/2007
60552	MM Prima Deshecha Energy, LLC	Landfill Gas	38,214,515	0	0	38,215,000	0%	EAO	2/28/2007
60571	Covanta Otay 3 Company	Landfill Gas	24,672,206	0	0	25,008,827	1%	RPS	3/21/2007
60430	Mountain View III	Wind	70,852,402	0	0	70,854,000	0%	EIA	3/18/2005
60432	Kumeyaay Wind Energy Facility	Wind	152,042,993	0	0	152,733,000	0%	EIA	4/15/2005
60443	FPL Energy Green Power Wind LLC	Wind	24,662,377	0	0	30,809,000	25%	EIA	5/3/2005
60445	Phoenix Wind	Wind	5,589,082	0	0	5,587,000	0%	RPS	5/24/2005
60489	Oasis Power Partners, LLC	Wind	197,011,512	0	0	195,494,000	-1%	EIA	2/6/2006
60708	Glacier Wind Energy 1 Facility	Wind	39,210,000	0	0	39,210,000	0%	RPS	10/17/2008

* RPS identification numbers that end in the suffix E and show No Data in the column "Generation Data Used for Comparison with Procurement" are utility-certified facilities with no independently reported generation. As stated on page 47 in the RPS Eligibility Guidebook, Third Edition, the retail seller is responsible for reporting the generation data for the facilities it certifies. This reporting requirement will be satisfied through the CEC-RPS-Track forms and WREGIS State/Provincial/Voluntary Compliance Reports. Therefore, the asterisk indicates that the facility is utility-certified and that the procurement amount reported is accepted as reported on the RPS-Track form and/or WREGIS State/Provincial/Voluntary Compliance Report.

2009 RPS Procurement Claims

CEC RPS ID Number[1]	Facility Name[2]	Fuel Type[3]	Annual Generation Procured (kWh)[4]	RPS Claims by Other Retail Sellers (kWh)[5]	Procurement Reported to PSDP/ Voluntary Programs (kWh)[6]	Generation Data Compared With Procurement (kWh)[7]	% Difference Between Generation and Procurement[8]	Generation Data Source[9]	Facility's Beginning On Date[10]
60431	AES Delano, Inc.	Biomass	341,361,000	0	0	341,361,000	0%	EAO	3/18/2005
60438	Badger Filtration Plant	Conduit Hydro	582,000	0	0	582,248	0%	Inv	4/26/2005
60439	Bear Valley Hydro	Conduit Hydro	2,241,000	0	0	2,241,000	0%	EIA	4/26/2005
60441*	Olivenhain Municipal Water District	Conduit Hydro	605,000	0	0	N/A	N/A	No Data	4/26/2005
60442*	San Francisco Peak Hydro Plant	Conduit Hydro	665,000	0	0	N/A	N/A	No Data	4/26/2005
60470	Rancho Penasquitos Pressure Control Hydroelectric Facility	Conduit Hydro	20,346,000	0	0	20,349,000	0%	EIA	5/24/2005
60551	Gas Utilization Facility	Digester Gas	13,516,000	0	0	33,439,000	147%	EAO	2/22/2007
60011 & 60486	Sycamore Energy 1 LLC & Sycamore Canyon 2	Landfill Gas	15,513,000	0	0	15,494,000	0%	EIA	7/27/2004
60433 & 60434	Otay Landfill 1 & 2	Landfill Gas	22,169,000	0	0	23,284,000	5%	EAO	4/27/2005
60435	San Marcos Energy LLC	Landfill Gas	5,205,000	0	0	5,199,000	0%	EIA	4/26/2005
60481	MM San Diego Energy	Landfill Gas	28,391,000	0	0	50,219,000	77%	EIA	9/8/2005

	(Miramar)								
60482	MM San Diego Energy (North City)	Landfill Gas	4,413,000	0	0	30,147,000	583%	EIA	9/8/2005
60485	Gas Recovery Systems - Coyote Canyon	Landfill Gas	51,474,000	0	0	51,768,000	1%	EIA	11/2/2005
60550	Jamacha Landfill	Landfill Gas	5,000	0	0			No Data	3/1/2007
60552	MM Prima Deshecha Energy, LLC	Landfill Gas	40,002,000	0	0	40,151,000	0%	EAO	2/28/2007
60571	Covanta Otay 3 Company	Landfill Gas	24,333,000	0	0	24,333,580	0%	RPS	3/21/2007
60761*	SDG&E-owned PV system at Innovative Cold Storage Enterprises	Photovoltaic	617,000	0	0	N/A	N/A	No Data	3/17/2009
60762*	SDG&E-owned PV system at Del Sur Elementary School	Photovoltaic	45,000	0	0	N/A	N/A	No Data	3/17/2009
60881*[A]	SDG&E-Owned PV System at X-nth	Photovoltaic	33,000	0	0	N/A	N/A	No Data	9/14/2009
60882*[B]	SDG&E-Owned PV System at Ladera Ranch I	Photovoltaic	49,000	0	0	N/A	N/A	No Data	9/14/2009
60883*[C]	SDG&E-Owned PV System at Hunter Industries, Inc	Photovoltaic	91,000	0	0	N/A	N/A	No Data	9/14/2009
60884*[D]	SDG&E-Owned PV System at the Towers at Bressi Ranch	Photovoltaic	75,000	0	0	N/A	N/A	No Data	9/14/2009
60430	Mountain View III	Wind	82,995,000	0	0	82,794,000	0%	EIA	3/18/2005

60432	Kumeyaay Wind Energy Facility	Wind	143,583,000	0	0	143,354,000	0%	EIA	4/15/2005
60443	FPL Energy Green Power Wind LLC	Wind	36,718,000	0	0	35,555,000	-3%	EIA	5/3/2005
60445	Phoenix Wind	Wind	6,626,000	0	0	6,594,000	0%	EIA	5/24/2005
60489	Oasis Power Partners, LLC	Wind	162,109,000	0	0	162,132,000	0%	EIA	2/6/2006
60562	Leaning Juniper	Wind	153,917,000	30,719,000	0	258,672,000	40%	EIA	11/1/2006
60564	Wolverine Creek	Wind	43,844,000	48,030,000	0	153,791,000	67%	EIA	6/7/2007
60708	Glacier Wind Energy 1 Facility	Wind	257,187,000	0	0	249,079,000	-3%	EIA	10/17/2008
60709	Glacier Wind Energy 2 Facility	Wind	82,405,000	0	0	82,402,000	0%	Inv	5/30/2008
60729	Marengo	Wind	163,058,000	52,720,000	0	474,831,000	120%	EIA	10/21/2008
60730	Marengo II	Wind	80,261,000	26,371,000	0	474,831,000	345%	EIA	10/21/2008
60736	Cabazon Wind Partners	Wind	125,256,000	0	0	125,240,000	0%	EIA	11/19/2008
60737	Whitewater Hill Wind Partners	Wind	188,708,000	0	0	188,706,000	0%	EIA	11/19/2008

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A SDG&E requested that 12,000 kWh of the procurement claim from the SDG&E-Owned PV System at X-nth (RPS ID 60881) be counted as withdrawn due to the procurement being claimed before the facility's beginning on date.

B SDG&E requested that 19,000 kWh of the procurement claim from the SDG&E-Owned PV System at Ladera Ranch I (RPS ID 60882) be counted as withdrawn due to the procurement being claimed before the facility's beginning on date.

C SDG&E requested that 37,000 kWh of the procurement claim from the SDG&E-Owned PV System at Hunter Industries, Inc (RPS ID 60883) be counted as withdrawn due to the procurement being claimed before the facility's beginning on date.
D SDG&E requested that 33,000 kWh of the procurement claim from the SDG&E-Owned PV System at the Towers at Bressi Ranch (RPS ID 60884) be counted as withdrawn due to the procurement being claimed before the facility's beginning on date.

2010 RPS Procurement Claims

CEC RPS ID Number[1]	Facility Name[2]	Fuel Type[3]	Annual Generation Procured (kWh)[4]	RPS Claims by Other Retail Sellers (kWh)[5]	Procurement Reported to PSDP/ Voluntary Programs (kWh)[6]	Generation Data Compared With Procurement (kWh)[7]	% Difference Between Generation and Procurement[8]	Generation Data Source[9]	Facility's Beginning On Date[10]
60431	AES Delano, Inc.	Biomass	312,074,000	0	0	312,019,000	0%	EIA	3/18/2005
60690	Blue Lake Power LLC	Biomass	27,825,000	0	0	27,680,030	-1%	EAO	4/23/2008
60438*	Badger Filtration Plant	Conduit Hydro	235,000	0	0	N/A	N/A	No Data	4/26/2005
60439	Bear Valley Hydro	Conduit Hydro	452,000	0	0	450,000	0%	EAO	4/26/2005
60441*	Olivenhain Municipal Water District	Conduit Hydro	886,000	0	0	N/A	N/A	No Data	4/26/2005
60442*	San Francisco Peak Hydro Plant	Conduit Hydro	588,000	0	0	N/A	N/A	No Data	4/26/2005
60470	Rancho Penasquitos Pressure Control Hydroelectric Facility	Conduit Hydro	20,206,000	0	0	20,206,000	0%	EAO	5/24/2005
60551	Gas Utilization Facility	Digester Gas	21,986,000	0	0	36,177,000	65%	EAO	2/22/2007
60009	Calpine Geothermal	Geothermal	91,200,000	238,466,000	0	329,676,000	0%	EAO	6/14/2004

	Unit 20								
60010	Sonoma/Calpine Geyser	Geothermal	18,000,000	291,050,000	0	309,051,000	0%	EAO	6/14/2004
60025	Calpine Geothermal Unit 11	Geothermal	73,800,000	402,922,000	0	476,738,000	0%	EAO	6/14/2004
60011 & 60486	Sycamore Energy 1 LLC & Sycamore Canyon 2	Landfill Gas	13,266,000	0	0	13,292,000	0%	EAO	11/2/2005
60433 & 60434	Otay Landfill 1 & 2	Landfill Gas	21,766,000	0	0	21,489,000	-1%	EAO	4/27/2005
60435	San Marcos Energy LLC	Landfill Gas	3,539,000	0	0	3,553,000	0%	EAO	4/26/2005
60481	MM San Diego Energy (Miramar)	Landfill Gas	32,003,000	0	0	51,989,000	62%	EAO	9/8/2005
60482	MM San Diego Energy (North City)	Landfill Gas	4,746,000	0	0	28,817,000	507%	EAO	9/8/2005
60485	Gas Recovery Systems - Coyote Canyon	Landfill Gas	49,380,000	0	0	48,679,000	-1%	EAO	11/2/2005
60552	MM Prima Deshecha Energy, LLC	Landfill Gas	42,480,000	0	0	42,691,000	0%	EAO	2/28/2007
60571	Covanta Otay 3 Company	Landfill Gas	20,901,000	0	0	20,901,307	0%	RPS	3/21/2007
60761*	SDG&E-owned PV system at Innovative Cold Storage Enterprises	Photovoltaic	848,000	0	0	N/A	N/A	No Data	3/17/2009
60762*	SDG&E-owned PV system at Del Sur Elementary School	Photovoltaic	85,000	0	0	N/A	N/A	No Data	3/17/2009

60881*	SDG&E-Owned PV System at X-nth	Photovoltaic	69,000	0	0	N/A	N/A	No Data	9/14/2009
60882*	SDG&E-Owned PV System at Ladera Ranch I	Photovoltaic	91,000	0	0	N/A	N/A	No Data	9/14/2009
60883*	SDG&E-Owned PV System at Hunter Industries, Inc	Photovoltaic	188,000	0	0	N/A	N/A	No Data	9/14/2009
60884*	SDG&E-Owned PV System at the Towers at Bressi Ranch	Photovoltaic	143,000	0	0	N/A	N/A	No Data	9/14/2009
61249*	SDG&E-owned PB system at Amylin Pharmaceuticals	Photovoltaic	62,000	0	0	N/A	N/A	No Data	10/18/2010
61250*	SDG&E-owned PV system at SD Community College District- Skills Center	Photovoltaic	18,000	0	0	N/A	N/A	No Data	10/18/2010
61251*	SDG&E- owned PV system at Sanford-burnham Medical Research Institute I	Photovoltaic	73,000	0	0	N/A	N/A	No Data	10/18/2010
60430	Mountain View III	Wind	84,776,000	0	0	84,775,071	0%	Inv	3/18/2005
60432	Kumeyaay Wind Energy Facility	Wind	122,715,000	0	0	121,456,000	-1%	EIA	4/15/2005
60443	FPL Energy Green Power Wind LLC	Wind	37,075,000	0	0	36,415,010	-2%	RPS	5/3/2005
60445	Phoenix Wind	Wind	199,000	0	0	198,510	0%	RPS	5/24/2005
60489	Oasis Power Partners, LLC	Wind	138,272,000	0	0	137,574,000	-1%	EIA	2/6/2006

60562	Leaning Juniper	Wind	161,057,000	3,780,000	0	223,558,000	36%	EIA	11/1/2006
60564*	Wolverine Creek	Wind	1,740,000	61,174,000	0	N/A	N/A	No Data	6/7/2007
60708	Glacier Wind Energy 1 Facility	Wind	231,248,000	0	0	231,245,000	0%	Inv	10/17/2008
60709	Glacier Wind Energy 2 Facility	Wind	226,846,000	0	0	215,595,000	-5%	EIA	5/30/2008
60729*	Marengo	Wind	144,695,000	93,321,000	0	N/A	N/A	No Data	10/21/2008
60730*	Marengo II	Wind	33,918,000	76,168,000	0	N/A	N/A	No Data	10/21/2008
60736	Cabazon Wind Partners	Wind	125,931,000	0	0	125,927,000	0%	EIA	11/19/2008
60737	Whitewater Hill Wind Partners	Wind	163,808,000	0	0	163,805,000	0%	EIA	11/19/2008

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