

**California Energy Commission  
STAFF REPORT**

**POWER SOURCE DISCLOSURE  
PROGRAM PRE-RULEMAKING  
DRAFT REGULATIONS**



CALIFORNIA  
ENERGY COMMISSION  
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# **CALIFORNIA ENERGY COMMISSION**

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## ABSTRACT

Senate Bill 1305 (Sher, Chapter 796, Statutes of 1997) requires retail electricity providers to disclose quarterly and annual fuel mix information to retail customers in the form of Power Content Labels. The *Power Content Label* identifies the mix of electricity fuel and technology types of the retail suppliers' sources of power and includes a column listing net system power data as a representation of California's power mix. *Net system power* is the fuel mix of all the power consumed in California minus the power that is specifically identified by retail suppliers as provided to their customers. Retail suppliers who make claims about the environmental, fuel, or technology characteristics of their power must disclose their actual mix to customers; those who do not make claims may identify their sources as net system power.

On October 11, 2009, Governor Schwarzenegger signed into law Assembly Bill 162 (AB 162, Ruskin, Chapter 313, Statutes of 2009). This legislation makes several changes to the Power Source Disclosure Program. It removes the requirement that retail suppliers provide net system power on customer disclosures and instead requires retail suppliers to disclose total California system electricity, which is the sum of all in-state generation and net electricity imports, designated by fuel type, and is a more accurate representation of California's power mix. The legislation also amends various reporting requirements.

The proposed amendments to the California Energy Commission regulations will ensure compliance with existing law. Although most of the proposed changes to the existing power source disclosure regulations are the direct result of the AB 162 requirements, proposed amendments to Commission regulations also include changes to improve Commission practice and implementation of the original statute.

**Keywords:** California Energy Commission, Power Source Disclosure Program, SB 1305, AB 162, regulations, rulemaking, net system power, total California system electricity, power content label, customer disclosure, power mix, fuel mix

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# CHAPTER 1: Proposed Text of Draft Regulations for the Power Source Disclosure Program

*The following text is proposed to add, amend, and delete certain language currently found in existing regulations located in the California Code of Regulations, Title 20, Sections 1390-1394.*

## Article 5: Electricity Source Generation Disclosure

### Section 1390. Scope.

The regulations in this article implement the disclosure and reporting requirements established in Article 14 (commencing with Section 398.1) of Chapter 2.3 of Part 1 of Division 1 of the Public Utilities Code.

Note: Authority cited: Section 25213, Public Resources Code; and Sections 398.3-398.5, Public Utilities Code. Reference: Sections 25216, 25216.5, Public Resources Code; and Sections 398.1-398.5, Public Utilities Code.

### Section 1391. Definitions.

~~(a) "Claim that identifies any of a retail provider's electricity sources as different from net system power" or "claim of specific purchases" means any statement that is made to consumers by a retail provider for the purpose of marketing any electricity product and that contains either:~~

~~(1) a reference to use of an eligible renewable to generate, in part or in whole, the electricity product offered for sale by the retail provider, other than disclosure of net system power; or~~

~~(2) a statement that a specific attribute of the electricity product related to the generator creates an environmental effect.~~

(a) "Balancing authority" as defined in Public Utilities Code Section 399.12, subdivision

(b), means the responsible entity that integrates load-serving entity resources plans ahead of time, maintains load-interchange-generation balance within a balancing authority area, and supports interconnection frequency in real time.

(b) "Electricity product" means the electrical energy produced by a generating facility that a retail seller offers to sell to consumers in California under terms and conditions specific to an offer or to a tariff. It does not include the provision of electric services on site, sold through an over-the-fence transaction, as defined in Section 218 of the Public

Utilities Code, or sold or transferred to an affiliate, as defined in Section 372, subdivision (a) of the Public Utilities Code.

(c) “Eligible renewable energy resources” or “eligible renewable” means a technology other than a conventional power source, as defined in Section 2805 of the Public Utilities Code, that uses one of the following energy sources, provided that a power source ~~using~~utilizing more than 25 percent fossil fuel may not be included:

(1) Biomass and biowaste. ~~For purposes of these regulations,~~ “Biomass and biowaste” means the power source that ~~consists~~is comprised of combustible residues or gasses from logging, forest products manufacturing, agricultural and orchard crops, waste products from livestock and poultry operations and food processing, urban wood waste, municipal solid waste, municipal liquid waste treatment operations, landfill, and waste tires converted to electrical energy.

(2) Geothermal. ~~For purposes of these regulations,~~ “Geothermal” means the power source that is thermal energy naturally produced within the earth that is converted into electrical energy in boilers and/or turbines.

(3) Small hydroelectric. ~~For purposes of these regulations,~~ “Small hydroelectric” means the power source created when water flows from a higher elevation to a lower elevation and that is converted into electrical energy in one or more generators at a single facility, the sum capacity of which does not exceed 30 megawatts.

(4) Solar. ~~For purposes of these regulations,~~ “Solar” means the power source that is composed ~~of~~driven by radiation from the sun that is directly or indirectly converted into electrical energy.

(5) Wind. ~~For purposes of these regulations,~~ “Wind” means the power source created by movement of air that is converted into electrical energy in a wind turbine.

~~(6d)~~ “Other renewable” means those resources that are not biomass and biowaste, geothermal, small hydroelectric, solar, or wind.

(7) REC Only. “REC only” means a certificate of proof issued through the accounting system established by the Energy Commission pursuant to 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 Renewable Energy Credit (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.

(d) “Energy Commission” means the State Energy Resources Conservation and Development Commission.



(e) "Facility" means ~~one or all generating units at~~ an electric generating station with one or more generating units.

(f) "Fuel type attribute" means the fuel or technology type used to generate a quantity of kilowatt hours, specified using the categories identified in ~~subdivision sections~~ ~~(d)(1)(A) and (B) of Section 1393 of this chapter,~~ and ~~subdivision section (b)(3)(C) of Section 1392 of this chapter.~~

(g) "Generating facility output" means the electrical energy and/or fuel type attribute, denominated in kilowatt hours that is produced by a specific generating facility.

(h) "Generating unit" means a device that converts mechanical, chemical, electromagnetic, or thermal energy into electricity and that:

(1) has an electric output capable of being separately identified and metered;

(2) is located within the Western Electricity Systems Coordinating Council (WECC) interconnected grid; ~~and~~

(3) is capable of producing electrical energy in excess of the internal power requirements of a generation station's ~~internal power requirements.~~

(i) "Generator" means the initial seller of electrical energy produced by a generating unit.

(j) "Independent System Operator" or "ISO" means the entity that is subject to the requirements of Section 345 et seq. of the Public Utilities Code.

(k) "Large hydroelectric" means the power source created when water flows from a higher elevation to a lower elevation and that is converted to electrical energy in one or more generators at a single facility, the sum capacity of which exceeds 30 megawatts .

(l) "Local publicly owned electric utility that does not ~~use~~ utilize the Independent System Operator" means any of the following entities that owns generation facilities that are not individually metered by the ISO: (1) a municipality or municipal corporation operating as a public utility district furnishing electric services; (2) an irrigation district furnishing electric services; or (3) a joint powers authority that includes one or more of the entities identified in (1) or (2) and that owns generation or transmission facilities, or furnishes electric services over its own or its members' electric distribution system.

(m) "Multijurisdictional retail supplier" means a retail supplier that offers an electricity product to retail customers in California and one or more other regions.

~~(nn)~~ "Net electricity generated" means electricity generated by any generating facility, less any generation used on-site, sold through an over-the-fence transaction, as defined in Section 218 of the Public Utilities Code, or sold or transferred to an affiliate as defined

in Section 372 subdivision (a) of the Public Utilities Code.

~~(n)~~ “Out-of-state power” means power generated entirely outside the state, ~~which~~ that is sold for wholesale or retail purposes in California.

~~(o)~~ “Pool” means an entity into which multiple generators deliver generating facility output and out of which multiple retail ~~providers~~ suppliers purchase generating facility output, such that buyer and seller may not have knowledge of each other’s identities. The amount of electrical energy delivered into and purchased from the pool must be equal, and the amount of fuel type attribute delivered into the pool must be equal to or greater than the amount of fuel type attribute purchased from the pool.

~~(p)~~ “Product-specific written promotional materials that are distributed to consumers” means any paper, electronic, or other media that contain words pertaining to a specific electricity product being advertised or offered and that are distributed to consumers or made available over the Internet. It does not include advertisements and notices in general circulation media.

~~(q)~~ “Report electronically” means to provide files in either a database or spreadsheet format that can be read by the most recent version of either Microsoft® Excel or Microsoft® Access.

~~(r)~~ “Retail supplier” ~~or “retail provider”~~ means an entity that offers an electricity product for sale to retail consumers in California.

~~(s)~~ “Scheduling coordinator” means any entity certified by the Independent System Operator for ~~the purposes of~~ undertaking the functions specified in Section 2.2.6 of the Independent System Operator Tariff. ~~(Restated and Amended Tariff of the California Independent System Operator Corporation, August 15, 1997.)~~

~~(t)~~ “Specific purchase” means electricity from a transactions in which generating facility output is that are traceable to specific generation sources by any auditable contract trail or equivalent, such as a tradable commodity system, that provides commercial verification that the electricity source generating facilities and which provides commercial verification that the generating facility output claimed has been sold once, and only once, to a retail consumers.

~~(v)~~ “System operator” for these regulations means the same as “balancing authority.”

~~(w)~~ “Total California system electricity” means the sum of all in-state generation and net electricity imports by fuel type.

~~(x)~~ “Unspecified sources of power” means electricity from transactions that are not traceable to specific generation sources by any auditable contract trail or equivalent.

such as a tradable commodity system, that provides commercial verification that the electricity source claimed has been sold once, and only once, to a retail customer.

(y) "WREGIS Certificate" means all renewable and environmental attributes from one megawatt hour (MWh) of electricity generation from a generating unit defined as renewable by any of the states or provinces in the WECC and registered with the Western Renewable Energy Generation Information System (WREGIS), or a certificate imported from a compatible registry and tracking system and converted to a WREGIS Certificate.

~~(u) "System Operator" means the Independent System Operator as defined in subsection (h) of this section, or a local publicly owned electric utility that does not utilize the Independent System Operator, as defined in subsection (j) of this section.~~

Note: Authority cited: Section 25213, Public Resources Code; and Sections 398.3-398.5, Public Utilities Code. Reference: Sections 25216 and 25216.5, Public Resources Code; and Sections 398.1-398.5, Public Utilities Code.

## Section 1392. Generation Disclosure.

### (a) Method and Timing of Submissions

(1) All submissions to the ~~System Operator~~ balancing authority required by subdivision ~~section (a)(2)~~ (a)(2) of this section must be provided to the balancing authority ~~System Operator~~ by the generator, either directly or through a scheduling coordinator.

(2) Each generator that provides meter data to a ~~System Operator~~ balancing authority, either directly or through a scheduling coordinator, shall report the information specified in subdivision ~~section (b)~~ (b) of this section to the balancing authority ~~System Operator~~ within ~~45~~ forty five days of the end of each calendar quarter beginning with the quarter ending December 31, 1998.

### (b) Content and Format of Submissions to the ~~System Operator~~ balancing authority:

#### (1) General Information:

(A) Name and telephone number of person to contact about the submission;

(B) Generator name, address, and an identification number provided by the ~~System Operator~~ balancing authority, or in the event that the ~~System Operator~~ balancing authority does not provide an identification number to the generator, by the Energy Commission;

(C) For each generating facility that generates electrical energy consumed in

California, the generating facility name, location, either by street address or by longitude and latitude, and an identification number provided by the U.S. Energy Information Agency, (EIA) or, in the event that the U.S. ~~Energy Information Agency~~ EIA does not provide an identification number to the generating facility, by the Energy Commission.

(2) Generation Information: Generators shall report electronically the electricity generated in kilowatt hours by hour by each generating facility, in each month of the preceding quarter.

(3) Fuel Information:

(A) For generating facilities using only one type of fuel, generators shall report electronically the type of fuel consumed in the preceding quarter.

(B) For generating facilities using more than one fuel type, generators shall report electronically the fuel consumed in each month of the preceding quarter as a percentage of the total fuel used for electricity generation.

(C) Fuel shall be reported in the following categories:

1. Eligible ~~renewable~~ energy resources, which shall be reported in the following subcategories:

~~a~~i. Biomass and Biowaste

~~b~~ii. Geothermal

~~e~~iii. Small ~~h~~Hydroelectric

~~d~~iv. Solar

~~e~~v. Wind

vi. Other Eligible Renewable

vii. REC Only

2. Coal

3. Natural ~~g~~Gas

4. Large ~~h~~Hydroelectric

5. Nuclear

6. Other

(D) Where fuel is reported under subdivision (b)(3)(C)(1)(a)(vi), (b)(3)(C)(1)(b), or

(b)(3)(C)(6) of this section, generators shall include a written description of the type of fuel used.

(c) ~~System Operator~~Balancing authority Responsibilities

(1) Subject to the limitations described in ~~subsection~~ subdivision (c)(2) of this section, all data provided to the ~~System Operator~~balancing authority pursuant to ~~subdivision~~section (b) of this section will be reported electronically to the Energy Commission either by providing a computer disk containing the information, or by providing electronic access to the information. This access shall be provided to the Energy Commission within 60 days of the end of each calendar quarter.

(2) Limitations on Energy Commission Access:

(A) The ~~System Operator~~Balancing authority is not required to provide the Energy Commission with any information submitted under ~~subsection~~subdivision ~~(b)(3)~~(2) of this section that specifies the amount of fuel consumed at a generating facility.

(B) The ~~System Operator~~Balancing authority is not required to provide the Energy Commission with any information submitted under ~~subdivision~~section ~~(b)(3)~~(2) of this section for out-of-state power.

(d) The following requirements apply to generation and fuel information that is reported for any generation that is sold in an electricity product for which a ~~claim~~ disclosure of specific purchases is made.

(1) The generation and fuel information must be reported from individually metered generating facilities.

(2) If generation or fuel information for electrical energy that is sold in an electricity product for which a ~~claim~~ disclosure of specific purchases is made is not reported pursuant to ~~subsection~~ subdivision (a) of this section, the generator shall report electronically the information specified in ~~subdivision~~section (d)(2)(A)-(C) of this section to the Energy Commission by March 1 of each year ~~beginning in 1999~~ for each generating facility that generated such electrical energy in California. If the information is provided to the Energy Commission in another filing, the generator may submit a statement identifying the filing and section of the filing in which the information is contained in lieu of a separate filing pursuant to this ~~subdivision~~section.

(A) General Information:

1. Name and telephone number of person to contact about the submission
2. Generator name, address, and an identification number provided by the ~~System Operator~~Balancing authority or in the event that the ~~System Operator~~Balancing authority does not provide an identification number to the generator, by the Energy Commission;

3. For each generating facility, the generating facility name, location, either by street address or by longitude and latitude, and an identification number provided by the U.S. ~~Energy Information Agency EIA~~, or, in the event that the U.S. Energy Information Agency does not provide an identification number to the generating facility, by the Energy Commission.

(B) Net electricity generated by the generating facility in kilowatt hours in the previous calendar year; and

(C) Type of fuel consumed by the generating facility as a percentage of electricity generation in the previous calendar year, using the categories specified in ~~subdivision~~section (b)(3)(C) of this section.

(3) When a retail ~~provider's~~supplier's claim of specific purchases mandates that a generator comply with the reporting requirements of ~~subdivision~~section (d)(2) of this section, the retail ~~supplier~~provider shall inform the generator that he or she must comply with these reporting requirements.

Note: Authority cited: Section 25213, Public Resources Code; and Sections 398.3 and 398.5, Public Utilities Code. Reference: Sections 25216 and 25216.5, Public Resources Code; and Sections 398.3 and 398.5, Public Utilities Code.

## Section 1393. Retail Disclosure to Consumers.

(a) For purposes of this section, the following definitions apply:

(1) "Annual disclosure" means the annual disclosure required under Public Utilities Code Section 398.4(l).

~~(2) "General disclosures" means the disclosures required under Public Utilities Code section 398.4(b) and (c).~~

~~(3) "Marketing disclosure" means the disclosure required under Public Utilities Code Section 398.4(b).~~

~~(4) "Net system power" means the fuel mix adopted by the Energy Commission pursuant to Public Utilities Code section 398.5(f).~~

~~(5) "Power content label" means the information disclosed to consumers pursuant to the format requirements of this section.~~

~~(6) "Quarterly disclosure" means the disclosure required under Public Utilities Code section 398.4(c).~~

~~(7) "Eligible renewable" means eligible renewable as defined in section 1391 of this article.~~

~~(b) Pursuant to Section 398.4 of the Public Utilities Code, each retail provider shall disclose to consumers the fuel mix of each electricity product offered, using the schedule and format specified in this section. For each electricity product, the retail provider shall do the following:~~

~~(1) A retail provider that makes a claim of specific purchases shall:~~

~~(A) Disclose the projected fuel mix for the electricity product in the current calendar year in its general disclosures as described in subsection (c) of this section; and~~

~~(B) Separately disclose the fuel mix for net system power in its general disclosures, as described in subsection (c) of this section; and~~

~~(C) Disclose the fuel mix for the electricity product that was sold during the previous calendar year in its annual disclosure, as described in subsection (c) of this section.~~

~~(2) A retail provider that does not make any claims of specific purchases shall:~~

~~(A) Disclose the fuel mix for the electricity product to be sold in the current calendar year in its general disclosures as the fuel mix for net system power, as described in subsection (c) of this section; and~~

~~(B) Separately disclose the fuel mix for net system power in its general disclosures, as described in subsection (e) of this section; and~~

~~(C) Not make an annual disclosure.~~

(e) Each retail ~~provider~~ supplier shall disclose the information required in this section to consumers according to the following schedule:

(1) Marketing disclosures shall be provided in all product-specific written promotional materials that are distributed to consumers, as defined in ~~subsection~~ subdivision (p) of Section 1391 of these regulations.

~~(2) Quarterly disclosures shall be provided by United States mail to consumers of the electricity product and the Energy Commission by the end of the first complete billing cycle for each quarter, beginning with the January 1999 quarter, using the power content label. For purposes of this section, quarters shall begin in January, April, July, and October of each year. Retail providers may provide quarterly disclosures to consumers via the Internet provided that the consumer has consented to receiving Internet notice in lieu of service by United States mail.~~

~~(3) Annual disclosures shall be provided by United States U.S. mail to consumers of the electricity product and to the Energy Commission on or before April 15 October 1 of each year, beginning in 1999. Retail providers may provide annual disclosures to consumers by electronic mail via the Internet, provided that the consumer has consented to receiving Internet notice by electronic mail in lieu of service by United States U.S. mail and that the disclosures comply with the requirements of (d)(3) of this section.~~

(d) Each retail supplier ~~provider~~ shall ~~disclose the following information in all use a power content labels to provide marketing disclosures and annual disclosures for each electricity product offered. The retail supplier shall include the following information on power content labels: about the fuel mix of the electricity product and of net system power:~~

(1) The fuel type attribute of the specific electricity product procured during the previous calendar year. ~~The power content labels containing general disclosures shall meet the following requirements:~~

(A) Fuel mix information shall be provided using the following fuel type categories and in the following order, rounded to the nearest percentage:

1. Eligible ~~r~~Renewable
2. Coal
3. Large ~~h~~Hydroelectric
4. Natural ~~g~~Gas



5. Nuclear

6. Other

7. Unspecified Sources of Power

(B) The retail ~~supplier~~ provider shall include the following subcategories within the eligible renewable category; ~~provided however, that the retail provider is not required to display the fuel mix percentages for these subcategories in general disclosures for a product for which a claim of specific purchases was made:~~

1. Biomass and Biowaste

2. Geothermal

3. Small ~~h~~Hydroelectric

4. Solar

5. Wind

6. Other Renewable. For the power content label, other renewable shall include those resources identified in subdivisions (c)(6) of Section 1391 of this chapter.

7. REC Only

(C) ~~Calculation~~ For each electricity product, the percentage of each fuel type category or subcategory that is specified shall be calculated by dividing net purchases of each fuel type by total retail sales. If total net purchases differ from total retail sales, a ratio for the difference between total net purchases and total retail sales shall be applied to each fuel type category or subcategory, then the product divided by total retail sales, as shown in the following formula:  $[(\text{total retail sales}/\text{total net purchases})(\text{purchases for specific fuel type category})]/(\text{total retail sales})$ .

(D) Information included in the power content label from subdivision (c)(1)(A)(1-6) and subdivision (c)(1)(B)(1-6) of this section shall be derived from the specific purchases procured during the previous calendar year, subject to and as defined in subdivision (w) of Section 1391 of this chapter. Specific purchases shall be only from sources connected to the Western Electricity Coordinating Council-interconnected grid.

(E) Information included in the power content label from subdivision (c)(1)(A)(6) of this section shall be derived from all specific purchases procured during the previous calendar year that are not otherwise included in the calculation of the categories listed in subdivisions (c)(1)(A)(1-5).

(F) Information included in the power content label from subdivision (c)(1)(A)(7) of this section shall be derived from any unspecified sources of power procured during the previous calendar year, as defined in subdivision (y) of Section 1391 of this chapter, or

power derived from a facility that sold WREGIS Certificates associated with the power to another entity.

(G) If a purchase of electricity meets the definition of “specific purchase” in subdivision (w) of Section 1391 of this chapter, it cannot be included in the calculation of unspecified sources of power in subdivision (c)(1)(A)(7) of this section. Any specific purchase, as defined in subdivision (w) of section 1391 of this chapter, shall be included in one of the categories identified in subdivision (c)(1)(A)(1-6) and (c)(1)(B)(1-6) of this section.

(H) If, during the previous calendar year, a retail supplier has sold electricity at wholesale that is traceable to a specific generation source, that electricity shall not be included in the fuel mix disclosed pursuant to this section.

(I) For multijurisdictional retail suppliers, information included in the power content label from subdivisions (c)(1)(A) and (B) shall reflect the allocation of fuel mix of the entire portfolio of resources providing electricity to the retail consumers of the multijurisdictional utility.

(2) The fuel mix for total California system electricity for the previous calendar year, as defined in subdivision (x) of Section 1391 of this chapter, and as provided by the California Energy Commission no later than May 31 of each year.

1. For each electricity product for which no claim of specific purchases has been made, the fuel mix displayed shall be identical to that displayed for net system power. For each electricity product for which a claim of specific purchases has been made, the percentage of each fuel type category or subcategory that is specified shall be calculated by adding the contribution from each specific purchase in the electricity product to the contribution from all other purchases, if any, for that fuel type category or subcategory, as shown by the following formula:  $w_1(x) - w_1(x) + w_2(y)$ .

a. “w

“w<sub>1</sub>” is the percentage of electricity in this electricity product the retail provider expects to provide through specific purchases;

b. “x” is the percentage contribution for a given fuel category or subcategory to total specific purchases for that electricity product;

c. “w

w<sub>2</sub>” is the percentage of electricity in the electricity product the retail provider expects to provide through sources other than specific purchases; and

d. “y” is the percentage contribution for the fuel category or subcategory to the net system power fuel mix.

~~2. For purposes of this calculation, the contribution from all other sources shall be calculated using only the most recently adopted fuel mix of net system power.~~

~~(2) If a retail provider makes a claim of specific purchases, the annual disclosure shall consist of the fuel mix of the electricity product sold to consumers during the previous calendar year. In addition, if the percentage of any fuel type category or subcategory contained in any general disclosure made during the previous calendar year for that electricity product varies by more than plus or minus five percentage points from the percentage provided in the annual disclosure, the fuel mix information displayed in the general disclosure that varies the most from this annual disclosure shall be displayed.~~

~~(A) For purposes of subsection (d)(2) of this section, the general disclosure that varies the most from this annual disclosure is the general disclosure for which the sum of the squares of the differences between the percentage points identified for each fuel category or subcategory in the general disclosure and in this annual disclosure, as represented by the calculation  $\text{SIGMA}(x_i - y_i)^2$ , is greatest, where “ $x_i$ ” is the percentage contribution for fuel category or subcategory “ $i$ ” listed in a general disclosure and “ $y_i$ ” is the percentage contribution for fuel category or subcategory “ $i$ ” for the annual disclosure, for “ $i$ ” equals all fuel categories and subcategories.~~

~~(B) If the fuel mix information for the electricity product contained in a general disclosure is required to be displayed pursuant to subsection (d)(2), the retail provider shall also provide an explanation of why there is a difference between the information contained in the general disclosure and the information contained in the annual disclosure.~~

~~(c) Each retail provider shall provide general and annual disclosures for each electricity product offered using a power content label. The power content label shall use the following format:~~

~~(1) All information contained in the power content label shall appear in one place without other intervening material.~~

~~(2d) Location of the power content label:-~~

~~(A1) If the retail provider-supplier offers printed or digital materials that consist of more than one page, the power content label or a note telling the consumer where the power content label can be found shall appear on the cover page or the first facing page. If a note is used to tell the consumer where the power content label can be found, the note shall appear in a type size no smaller than 10 point.~~

~~(B2) Notwithstanding the provisions of subsection subdivision (ed)(21)(A) of this section, if the promotional materials pertain to more than one electricity product and contain multiple pages, the power content label for each product may appear on the page discussing that electricity product.~~

(3) In any disclosure provided to consumers by electronic mail, the mail message shall contain the power content label or a direct link to a Web page that contains the power content label. The link directing consumers to the power content label shall be preceded by introductory language containing the phrase: "View (utility name)'s power content label." The link and introductory language shall appear in a type size no smaller than 10 point.

(e) All information contained in the power content label shall appear in one place without other intervening or additional material, and shall use the format specified in Appendix A to these regulations.

~~(3) The power content label shall be set off in a box by use of hairlines which shall be all black or one color type such that the lines are conspicuous.~~

~~(4) All information within the power content label shall utilize:~~

~~(A) A single sans serif font;~~

~~(B) At least one point space between two lines of text;~~

~~(C) Kerning such that letters never touch one another;~~

~~(D) A type size no smaller than 10 point, except that the footnotes and subheadings may be in a type size no smaller than 8 point; and~~

~~(E) Black type or type that is a color easily distinguishable from the background color.~~

~~(5) At the bottom of the box containing the power content label, the following note shall appear: "For specific information about this electricity product, contact [Company Name]. For general information about the Power Content Label, contact the California Energy Commission at 1-800-555-7794 or [www.energy.ca.gov/consumer](http://www.energy.ca.gov/consumer)", where "Company Name" is the name of the retail provider. This note shall appear in a type size no smaller than 8 point, and shall be set off from the upper portion of the box by a hairline.~~

~~(6) The power content label containing general disclosures shall appear in the following format:~~

~~(A) The information shall be presented under the identifying heading of "Power Content Label" which shall be in bold, uppercase letters, set in a type size larger than all other type size in the power content label.~~

~~(B) Fuel mix information for the electricity product or products being sold and for net system power shall be displayed in a table format, and shall be organized as follows:~~

- ~~1. The first row of the table shall contain column headings. Headings shall appear in reverse type against a solid background.~~

2. A solid bar shall be displayed immediately below the last row of the table.
3. The first row of the first column shall display a heading of “Energy Resources”, bolded and in all capital letters. Subsequent rows shall display fuel type categories and subcategories, as specified in subsection (d)(1) of this section. The category names shall be displayed in bold, and subcategory names for the eligible renewable category shall be unbolded, indented, and shall display a hyphen immediately before the name of the subcategory. The final row of this column shall read “total” in all upper case letters and in bold.
4. The second column shall display the fuel mix information for the electricity product being sold. The first row of the second column shall display a heading of the product name, bolded and in all capital letters. Immediately next to the product name in the first row of the second column shall be a footnote marker, directing the reader to the footnote specified in subsection (e)(6)(C)1. Immediately below the product name shall be the subheading “(projected)”. The subsequent rows of the column shall display the fuel mix information for the electricity product being sold. The fuel mix information shall be rounded to the nearest percent, expressed using a percent sign, and may, but need not, include the percentages for the eligible renewable subcategories. The final row for this column shall read “100%.” The percentages for the categories shall be aligned and displayed in bold, and the percentages for the eligible renewable subcategories, if any, shall be aligned to the right of the percentages for the categories. If the retail provider is not making a claim of specific purchases for this electricity product, the fuel mix information displayed for the electricity product shall be identical to that displayed for net system power.
5. Power content labels containing marketing disclosures may contain other columns to the right of the second column to display fuel mix information for other products being sold by the retail provider. Each of these columns shall be in the same format specified in subsection (e)(6)(B)4. of this section. If fuel mix information for other products is provided, each product name shall be immediately followed by a footnote marker, directing the reader to the footnote specified in subsection (e)(6)(C)1.
6. The column farthest to the right shall contain information about the fuel mix of net system power. The first row of the column shall contain the heading “[Year] CA Power Mix”, bolded and in all capital letters, where [Year] refers to the year for which the most recently adopted fuel mix of net system power is available. Immediately next to the heading “[Year] CA Power Mix” shall be a footnote marker, directing the reader to the footnote specified in subsection (e)(6)(C)2. Immediately below the heading shall be the subheading “(for comparison)”. The subsequent rows of the column shall display the fuel mix information for net system power most recently adopted by the Energy

~~Commission, including the percentages for the eligible renewable subcategories. The fuel mix information contained in this column shall be in unbolded type, and the percentages for the fuel type categories shall be aligned, and the percentages for the eligible renewable subcategories shall be aligned to the right of the percentages for the categories. The final row for this column shall read "100%."~~

~~(C) Footnotes shall appear at the bottom of the power content label as follows:~~

~~1. The first footnote shall read, "[percentage A] % of [Product Name] is specifically purchased from individual providers.", where "Percentage A" is the percentage of electricity in this electricity product the retail provider expects to provide through specific purchases, and "Product Name" is the name of the electricity product. If fuel mix information for more than one product is provided in the power content label, the footnote shall list for each electricity product the percentages of the product that the retail provider expects to provide through specific purchases.~~

~~2. The second footnote shall read, "Percentages are estimated annually by the California Energy Commission based on the electricity sold to California consumers during the previous year."~~

~~(D) An example of a power content label that meets the requirements for general disclosures made by a retail provider that makes a claim of specific purchases is shown in Appendix A 1 to these regulations. An example of a power content label that meets the requirements for general disclosures made by a retail provider that does not make a claim of specific purchases is shown in Appendix A 2 to these regulations. An example of a power content label that meets the requirements for general disclosures for more than one product is shown in Appendix A 3 to these regulations.~~

~~(7) Each retail provider shall provide a power content label containing an annual disclosure for each electricity product for which it made a claim of specific purchases during the previous calendar year, using the following format:~~

~~(A) The information shall be presented under the identifying heading of "Power Content Label" which shall be bolded and in all capital letters, set in a type size larger than all other type size in the power content label. Immediately beneath this heading shall be a subheading "Annual Report of Actual Electricity Purchases for [Product Name] in [Year]", where "Product Name" is the name of electricity product whose fuel mix is being disclosed, and "Year" is the previous calendar year. This subheading shall be set in a type size larger than the type size used to display the fuel mix information, but smaller than the type size used for the heading, and the product name shall be in bold.~~

~~(B) The fuel mix of the electricity product sold to consumers in the previous calendar~~

year shall be displayed in a table format, and shall be organized as follows:

1. The first row of the table shall contain column headings. Headings shall appear in reverse type against a solid background.
2. A solid bar shall be displayed immediately below the last row of the table.
3. The first row of the first column shall display a heading of "Energy Resources", bolded and in all capital letters. Subsequent rows shall display fuel type categories and subcategories, as specified in subsection (d)(1) of this section. The category names shall be displayed in bold, and subcategory names for the eligible renewable category shall be unbolded, indented, and shall display a hyphen immediately before the name of the subcategory. The final row of this column shall read "total" in all upper case letters and in bold.
4. The second column shall display the fuel mix information for the electricity product sold during the previous calendar year. The first row of the column shall contain the heading "Actual Power Mix", bolded and in all capital letters. The subsequent rows of the column shall display the fuel mix information for the electricity product sold during the previous calendar year, using the categories and subcategories specified in subsection (d)(1) of this section. The fuel mix information for the categories contained in this column shall be in bolded type, with the percentages aligned. The fuel mix information for the eligible renewable subcategories shall be in unbolded type and the percentages shall be aligned to the right of the percentages for the categories. The final row for this column shall read "100%", in bolded type.

~~(C) Comparison of General Disclosures to Annual Disclosure~~

1. If the percentage of any fuel type category or subcategory contained in any general disclosure made during the previous calendar year for that electricity product varies by more than plus or minus five percentage points from the percentage provided in the annual disclosure, a third column shall be displayed on the power content label.
  - a. If a third column is required, it shall contain the fuel mix information displayed in the general disclosure that varies the most from this annual disclosure. The first row of the third column shall contain the heading "Projected Power Mix", bolded and in all capital letters. Immediately next to the heading "Actual Power Mix" shall be a footnote marker, directing the reader to the footnote specified in subsection (e)(7)(C)1.c. The subsequent rows shall display the fuel mix information for the electricity product displayed in the general disclosure that varies the most from this annual disclosure. This information shall be displayed in the format specified in subsection (e)(6)(B)4. of this section.

~~b. The general disclosure that varies the most from this annual disclosure is defined in subsection (d)(2)(A) of this section.~~

~~c. Immediately below the last row in the power content label, the retail provider shall provide a footnote containing an explanation of why there is a difference between the information contained in the general disclosure and the information contained in the annual disclosure.~~

~~2. If no percentage of any fuel type category or subcategory contained in any general disclosure made during the previous calendar year varies by more than plus or minus five percentage points from the percentage in the electricity product sold, the following statement shall be displayed immediately below the last row in the power content label: "For each category, the percentage [Company Name] projected for [year] was within plus or minus five percentage points of the actual percentage.", where "Company Name" is the name of the retail provider, and "year" means the previous calendar year. The company name shall be bolded.~~

~~(D) An example of a power content label that meets the requirements for an annual disclosure not requiring inclusion of any previous year's general disclosures is shown in Appendix A 4 to these regulations. An example of a power content label that meets the requirements for an annual disclosure requiring inclusion of a previous year's general disclosure is shown in Appendix A 5 to these regulations.~~

Note: Authority cited: Section 25213, Public Resources Code; and Section 398.4, Public Utilities Code. Reference: Sections 25216 and 25216.5, Public Resources Code; and Section 398.4, Public Utilities Code.



## Section 1394. Annual Submission to the Energy Commission.

### (a) Retail ~~Provider~~ Supplier Report.

(1) On or before ~~March 1~~ April 1 of each year, each retail ~~provider~~ supplier ~~who made a claim of specific purchases during the previous calendar year~~ shall provide a filing to the Energy Commission, providing the information identified in ~~subdivision sections~~ (a)(2)(A)-~~(DE)~~ below for each electricity product ~~for which such a claim was made.~~

(A) ~~Each R~~retail ~~providers~~ supplier must provide this information on spreadsheet forms provided by the Energy Commission, ~~and each page must include the Retail Energy Supplier Registration Identification Number provided by the California Public Utilities Commission or, if one is not provided, a unique identification number assigned by the Energy Commission.~~

(B) The retail ~~supplier~~ provider must provide one paper copy, with an original signature, and an electronic copy of the original document containing the original signature, if feasible, must also provide the information electronically.

(C) The report must include an attestation, signed by an authorized agent of the retail ~~provider~~ supplier in conformity with Code of Civic Procedure Section 2015.5 ~~under penalty of perjury~~, that the generating facility output claimed by the retail ~~provider~~ supplier as a specific purchase during the previous calendar year was sold once and only once to retail ~~customers~~ consumers of that retail ~~providers~~ supplier, and that the information provided in the report, including the information in any power content labels provided pursuant to subdivision (a)(2)(D) of this section, is true and correct and in conformity with the definitions provided in Sections 1391 and 1393 of this chapter.

(D) All fuel type attribute information shall be provided using the fuel type categories identified in ~~subdivision sections~~ ~~(d)~~ (1)(A) and (B) of Section 1393 of this chapter.

(E) Retail ~~suppliers~~ providers may provide the information specified in ~~subdivision sections~~ (a)(2)(A)-~~(DE)~~ of this section by providing a reference to the date and title of a filing made to the Energy Commission containing the information specified in that ~~subdivision section.~~

### (2) Informational Requirements.

#### (A) Purchases

1. For each source of generating facility output from which being claimed as a specific purchase was made, the retail ~~provider~~ supplier must include the following information: facility name or pool name, fuel type, state or province in which the facility is located in, facility or pool number ~~(a facility number will~~

~~be provided by the U.S. Energy Information Agency EIA or, if one is not provided, by the Energy Commission, and pool number will be provided by the Energy Commission), certificate certificate number of any WREGIS certificates issued pursuant to Appendix B of these regulations (if any), gross kilowatt hours purchased, kilowatt hours resold or consumed on-site, and the resultant calculation of net-specific purchases. The retail provider shall also identify kilowatt hours of generic purchases, kilowatt hours of generic purchases resold or consumed on site, and the resultant calculation of net generic purchases. The retail supplier shall identify each wholesale sale of electricity it makes, including identification of any generating facility to which the sold electricity is traceable. This information shall be provided on the current version of Schedule 1 prepared by the Energy Commission.~~

2. The retail supplier shall identify kilowatt hours of purchases of unspecified sources of power, kilowatt hours of purchases of unspecified sources of power resold or consumed on-site, and the resultant calculation of net purchases of unspecified sources of power. This information shall be provided on the current version of Schedule 1 prepared by the Energy Commission.

3. If a retail supplier purchases WREGIS Certificates but does not purchase the electricity associated with those Certificates, the retail supplier shall identify the fuel type as "REC only" and shall disclose the facility from which the REC was purchased. Additionally, the supplier shall disclose the fuel type of the REC only purchase. If a retail supplier purchases electricity for which WREGIS Certificates were issued but the retail supplier does not purchase the Certificates, the retail supplier shall identify the fuel type as "unspecified sources of power" and shall disclose the facility from which the electricity was purchased.

24. Retail providers suppliers who are claiming make specific purchases obtained from a pool must reference a filing made no later than ~~March 1~~ April 1 of the current calendar year to the Energy Commission by the pool that includes the following information:

a. For each generator that provided generating facility output into the pool, the facility name, fuel type, facility number provided by U.S. Energy Information Agency (EIA) or, if one is not provided, a unique identification number assigned by the Energy Commission, ~~certificate certificate~~ number of any WREGIS Certificates ~~issued pursuant to Appendix B of these regulations (if any),~~ and total number of kilowatt hours provided into the pool. This information shall be provided on the current version of Schedule 3 prepared by the Energy Commission.

b. For each purchase of generating facility output from the pool, the amount of kilowatt hours purchased by each purchaser by fuel type. ~~If the~~

~~purchaser is also a retail provider, include the Retail Energy Supplier Registration Identification number provided by the California Public Utilities Commission or, if one is not provided, a unique identification number assigned by the Energy Commission. This information shall be provided on the current version of Schedule 4 prepared by the Energy Commission.~~

(B) Retail Sales: The retail provider filing shall include ~~each product name, the kilowatt hours sold for each product from specific purchases by fuel type, the kilowatt hours sold for each product from sources other than specific purchases, and total retail sales.~~ This information shall be provided on the current version of Schedule ~~2A-1~~ prepared by the Energy Commission.

(C) ~~Comparison Calculation~~ of Purchases and Sales ~~for the Annual Power Content Label~~: The retail provider filing shall include total net purchases, consistent with subdivision (a)(2)(A) above, minus total retail sales for all products, consistent with subdivision (a)(2)(B) above. ~~If total net purchases differ from and an explanation of any discrepancies between total net purchases and total retail sales, a ratio for the difference between total net purchases and total retail sales will be applied to each fuel type category, then divided by total retail sales, providing fuel type percentages.~~ This information shall be provided on the current version of Schedule ~~2B~~ prepared by the Energy Commission.

(D) Power Content Label: The retail ~~provider-supplier~~ shall provide to the Energy Commission a copy of each ~~promotional marketing disclosure~~ provided to customers pursuant to ~~subdivision section (eb) and (1c) of subSection 1393 of this chapter, that varies from any quarterly disclosure provided in that calendar year. In addition, the retail provider shall also provide a copy of any quarterly label provided to customers pursuant to subsection (c)(2) of section 1393 that was not provided to the Energy Commission at the time it was provided to customers.~~

(E) In complying with the requirements of subdivision (a)(2) (A) – (C) of this section, multijurisdictional retail suppliers shall base their information on the percentage of total retail sales ~~by the multijurisdictional retail supplier~~ that is consumed in California.

(b) Agreed-Upon Procedures

(1) By ~~June 1~~October 1 of each year, any retail ~~provider-supplier~~ who made a ~~claim of~~ specific purchases during the previous calendar year shall provide a report prepared by an auditor who has conducted the procedures identified in Appendix ~~C-B~~ of these regulations. The report shall contain a summary of the results of the procedures and a proof of service of the annual power content label ~~to consumers, and the quarterly labels for the previous calendar year upon all customers.~~

(2) A retail ~~provider-supplier~~ that is a public agency providing electric services is not

required to comply with the provisions of subdivision (b)(1) if ~~that public agency offers only one electricity product to its customers and~~ if the board of directors of the public agency approves at a public meeting the submission to the Energy Commission of an attestation of the veracity of the annual report.

(c) The Energy Commission may, on its own motion, or as a result of a request from a member of the public or other agency, investigate electricity transactions claimed as specific purchases to determine whether the transactions are traceable to specific generating facilities and whether they provide commercial verification that the electricity source claimed has been sold once and only once to retail consumers. The Energy Commission may also, on its own motion or as a result of a request from a member of the public or other agency, investigate electricity transactions claimed as unspecified sources of power to determine whether the transactions are traceable to specific generating facilities and whether they should have been reported as specific purchases. In conducting its investigation, the Energy Commission may require the production of the service lists used to comply with the requirements of ~~subdivision~~section (b) of this section, as well as commercial documents, such as contracts, invoices, the verification procedures performed pursuant to ~~subsection~~subdivision (b) of this section, and attestations.

Note: Authority cited: Section 25213, Public Resources Code; and Section 398.5, Public Utilities Code. Reference: Sections 25216 and 25216.5, Public Resources Code; and Section 398.5, Public Utilities Code.

## **CHAPTER 2: Next Steps**

Stakeholder input is encouraged on any issues presented in this staff paper, or any other issues not discussed, in order to develop and adopt the most effective regulations for the Power Source Disclosure Program. The issues and discussion presented in this paper reflect staff views and do not obligate the Energy Commission to adopt regulations that manifest these views.

## Appendix A

# APPENDIX A: Format Requirements for Power Content Labels

(a) The Power Content Label, including all general information and footnotes, shall be set off in a box by use of hairlines, which shall be all black or one color type such that the lines are conspicuous.

(b) All information within the power content label shall use:

(1) A sans serif font.

(2) At least one point space between two lines of text.

(3) Kerning such that letters never touch one another.

(4) A type size no smaller than 10 point, except that the footnotes and subheadings may be in a type size no smaller than 8 point.

(5) Black type or type that is a color easily distinguishable from the background color.

(c) At the bottom of the box containing the Power Content Label, the following footnote shall appear: "For specific information about this electricity product, contact [Company Name]. For general information about the Power Content Label, contact the California Energy Commission at 1-844-217-4925 or [www.energy.ca.gov/consumer](http://www.energy.ca.gov/consumer)." "Company Name" is the name of the retail supplier. This note shall appear in a type size no smaller than 8 point and shall be set off from the upper portion of the box by a hairline.

(d) The information in the Power Content Label shall be presented under the identifying heading of "Power Content Label," which shall be in bold, uppercase letters, set in a type size larger than all other type size in the Power Content Label.

(e) The information in the Power Content Label, including the fuel mix information for the electricity product or products being sold and for total California system electricity, shall be displayed in a table format and shall be organized as follows:

(1) The first row of the table shall contain column headings. Headings shall appear in reverse type against a solid background.

(2) A solid bar shall be displayed immediately below the last row of the table.

(3) The first row of the first column shall display a heading of "Energy Resources," bolded and in all capital letters. Subsequent rows shall display fuel type categories and subcategories, as specified in subdivision (c)(1) of Section 1393 of this chapter. The category names shall be displayed in bold, and subcategory names for the eligible renewable category shall be unbolded and indented and shall display a hyphen immediately before the name of the subcategory. Immediately next to the category "Unspecified Sources of Power" shall be a footnote marker, directing the reader to the footnote specified in subdivision (f)(1) of this appendix. The final row of this column shall read "total" in all upper case letters and in bold.

(4) The second column shall display the fuel mix information for the previous calendar year for the electricity product being sold. The first row of the second column shall display a heading of the product name, bolded and in all capital letters. The subsequent rows of the column shall display the fuel mix information for the electricity product being sold. The fuel mix information shall be rounded to the nearest percentage, expressed using a percent sign. The final row for this column shall read "100%." The percentages for the categories shall be aligned and displayed in bold, and the percentages for the eligible renewable subcategories, if any, shall be aligned to the right of the percentages for the categories.

(5) Power content labels may contain other columns to the right of the second column to display fuel mix information for other products being sold by the retail supplier. Each columns shall be in the same format specified in subdivision (e) of this appendix.

(6) The column farthest to the right shall contain information about the fuel mix of total California system electricity. The first row of the column shall contain the heading "[Year] CA Power Mix," bolded and in all capital letters, where [Year] refers to the year for which the most recently adopted fuel mix of total California system electricity is available. Immediately next to the heading "[Year] CA Power Mix" shall be a footnote marker, directing the reader to the footnote specified in subdivision (f)(2) of this appendix. Immediately below the heading shall be the subheading "(for comparison)." The subsequent rows of the column shall display the fuel mix information for total California system electricity most recently adopted by the Energy Commission, including the percentages for the eligible renewable

subcategories. The fuel mix information contained in this column shall be in unbolded type, and the percentages for the fuel type categories shall be aligned, and the percentages for the eligible renewable subcategories shall be aligned to the right of the percentages for the categories. The final row for this column shall read “100%.”

(f) Footnotes shall appear at the bottom of the power content label as follows:

(1) The first footnote shall read, “‘ Unspecified sources of power’ means electricity from transactions that are not traceable to specific generation sources.”

(2) The second footnote shall read, “Percentages are estimated annually by the California Energy Commission based on the electricity sold to California consumers during the previous year.”

(3) The third footnote shall read, “The information and percentages provided by the Power Content Label do not represent or imply any correlation with the California Renewables Portfolio Standard and its compliance measures. For more information on the California RPS program, please visit [www.energy.ca.gov/portfolio](http://www.energy.ca.gov/portfolio).”

(4) The last footnote shall be included at the bottom of the box containing the Power Content Label, which shall appear as: “The REC Only energy resource refers to Renewable Energy Credits that were purchased by a retail seller and does not represent actual generated electricity.”

(g) An example of a Power Content Label that meets the requirements for a retail supplier with specific purchases, as defined in subdivision (v) of Section 1391 of this chapter, is shown in Power Content Label—Sample 1 below. An example of a Power Content Label that meets the requirements for a retail supplier with no specific purchases, as defined in subdivision (v) of Section 1391 of this chapter, is shown in Power Content Label—Sample 2. An example of a Power Content Label that meets the requirements for disclosures for more than one product is shown in Power Content Label—Sample 3.



# Appendix A-1

## Power Content Label—Sample 1

Sample Power Content Label showing a product for which the a retail supplier with is claiming some specific purchases. In this example, the product is 5080% from specific purchases and 5020% from non-specific purchases unspecified sources of power (for which net system power is claimed), and the most recent total California system electricity calculation is for 2009, net system power calculation is for 1999.

<b>POWER CONTENT LABEL</b>		
_____ _____ _____		
<b>Eligible Renewable</b>	<b>56%</b>	12%
— Biomass & waste	—	— 2%
— Geothermal	—	— 5%
— Small hydroelectric	—	— 3%
— Solar	—	— <1%
— Wind	—	— 2%
<b>Coal</b>	<b>10%</b>	20%
<b>Large Hydroelectric</b>	<b>10%</b>	20%
<b>Natural Gas</b>	<b>16%</b>	31%
<b>Nuclear</b>	<b>8%</b>	16%
<b>Other</b>	<b>&lt;1%</b>	<1%
<b>TOTAL</b>	<b>100%</b>	100%

\*50% of **Product Name** is specifically purchased from individual suppliers.

\*\*Percentages are estimated annually by the California Energy Commission based on the electricity sold to California consumers during the previous year.

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For specific information about this electricity product, contact **Company Name**. For general information about the Power Content Label, contact the California Energy Commission at 1-800-555-7794 or [www.energy.ca.gov/consumer](http://www.energy.ca.gov/consumer).

# POWER CONTENT LABEL

<u>ENERGY RESOURCES</u>	<u>PRODUCT NAME</u>	<u>2009 CA POWER MIX** (for comparison)</u>
<u>Eligible Renewable</u>	<u>17%</u>	<u>12%</u>
<u>-Biomass &amp; Biowaste</u>	<u>3%</u>	<u>2%</u>
<u>-Geothermal</u>	<u>5%</u>	<u>5%</u>
<u>-Small Hydroelectric</u>	<u>3%</u>	<u>2%</u>
<u>-Solar</u>	<u>1%</u>	<u>&lt;1%</u>
<u>-Wind</u>	<u>5%</u>	<u>3%</u>
<u>-Other Renewable</u>	<u>0%</u>	<u>0%</u>
<u>REC Only</u>	<u>0%</u>	<u>0%</u>
<u>Coal</u>	<u>8%</u>	<u>8%</u>
<u>Large Hydroelectric</u>	<u>15%</u>	<u>9%</u>
<u>Natural Gas</u>	<u>32%</u>	<u>42 %</u>
<u>Nuclear</u>	<u>8%</u>	<u>13%</u>
<u>Other</u>	<u>&lt;1%</u>	<u>0%</u>
<u>Unspecified sources of power*</u>	<u>20 %</u>	<u>16%</u>
<b><u>TOTAL</u></b>	<b><u>100%</u></b>	<b><u>100%</u></b>

\* "Unspecified sources of power" means electricity from transactions that are not traceable to specific generation sources.

\*\* Percentages are estimated annually by the California Energy Commission based on the electricity sold to California consumers during the previous year.

\*\*\* The information and percentages provided by the power content label does not represent or imply any correlation with the California Renewables Portfolio Standard and its compliance measures. For more information on the California RPS program, visit [www.energy.ca.gov/portfolio](http://www.energy.ca.gov/portfolio).

\*\*\*\* The REC Only energy resource refers to Renewable Energy Credits that were purchased by a retail seller and does not represent actual generated electricity.

For specific information about this electricity product, contact Company Name. For general information about the Power Content Label, contact the California Energy Commission at 1-844-217-4925 or [www.energy.ca.gov/consumer](http://www.energy.ca.gov/consumer).

# Appendix A-2

## Power Content Label—Sample 2

Sample Power Content Label showing a product for which the retail supplier made no auditable is not claiming specific purchases, as defined in subdivision (u) of Section 1391 of this chapter, in the previous year. In this example, the most recent total California system electricity calculation is for 2009. net system power calculation is for 1999.

<b>POWER CONTENT LABEL</b>		
<b>ENERGY RESOURCES</b>	<b>PRODUCT NAME* (projected )</b>	<b>1999 CA POWER MIX** (for comparison)</b>
<b>Eligible Renewable</b>	<b>12%</b>	<b>12%</b>
— Biomass and waste	— 2%	— 2%
— Geothermal	— 5%	— 5%
— Small hydroelectric	— 3%	— 3%
— Solar	— <1%	— <1%
— Wind	— 2%	— 2%
<b>Coal</b>	<b>20%</b>	<b>20%</b>
<b>Large Hydroelectric</b>	<b>20%</b>	<b>20%</b>
<b>Natural Gas</b>	<b>31%</b>	<b>31%</b>
<b>Nuclear</b>	<b>16%</b>	<b>16%</b>
<b>Other</b>	<b>&lt;1%</b>	<b>&lt;1%</b>
<b>TOTAL</b>	<b>100%</b>	<b>100%</b>

\* 0% of **Product Name** is specifically purchased from individual suppliers.

\*\* Percentages are estimated annually by the California Energy Commission based on the electricity sold to California consumers during the previous year.

For specific information about this electricity product, contact **Company Name**. For general information about the Power Content Label, contact the California Energy Commission at 1-800-555-7794 or [www.energy.ca.gov/consumer](http://www.energy.ca.gov/consumer).

# POWER CONTENT LABEL

<u>ENERGY RESOURCES</u>	<u>PROD UCT NAME</u>	<u>2009 CA POWER MIX** (for comparison)</u>
<u>Eligible Renewable</u>	<u>0%</u>	<u>12%</u>
<u>-Biomass &amp; Biowaste</u>	<u>0%</u>	<u>2%</u>
<u>-Geothermal</u>	<u>0%</u>	<u>5%</u>
<u>-Small Hydroelectric</u>	<u>0%</u>	<u>2%</u>
<u>-Solar</u>	<u>0%</u>	<u>&lt;1%</u>
<u>-Wind</u>	<u>0%</u>	<u>3%</u>
<u>-Other Renewable</u>	<u>0%</u>	<u>0%</u>
<u>-REC Only</u>	<u>0%</u>	<u>0%</u>
<u>Coal</u>	<u>0%</u>	<u>8%</u>
<u>Large Hydroelectric</u>	<u>0%</u>	<u>9%</u>
<u>Natural Gas</u>	<u>0%</u>	<u>42 %</u>
<u>Nuclear</u>	<u>0%</u>	<u>13%</u>
<u>Other</u>	<u>0%</u>	<u>0%</u>
<u>Unspecified sources of power*</u>	<u>100 %</u>	<u>16%</u>
<u>TOTAL</u>	<u>100%</u>	<u>100%</u>

\* "Unspecified sources of power" means electricity from transactions that are not traceable to specific generation sources.

\*\*Percentages are estimated annually by the California Energy Commission based on the electricity sold to California consumers during the previous year.

\*\*\* The information and percentages provided by the power content label does not represent or imply any correlation with the California Renewables Portfolio Standard and its compliance measures. For more information on the California RPS program, visit [www.energy.ca.gov/portfolio](http://www.energy.ca.gov/portfolio).

\*\*\*\*The REC Only energy resource refers to Renewable Energy Credits that were purchased by a retail seller and does not represent actual generated electricity.

For specific information about this electricity product, contact **Company Name**. For general information about the Power Content Label, contact the California Energy Commission at 1-844-217-4925 or [www.energy.ca.gov/consumer](http://www.energy.ca.gov/consumer).

# APPENDIX A-3

## Power Content Label—Sample 3

Sample Power Content Label showing multiple electricity products. In this example, the most recent net system power calculation is for 1999 total California system electricity calculation is for 2009.

<b>POWER CONTENT LABEL</b>			
<b>ENERGY RESOURCES</b>	<b>PRODU CT NAME 1* (projected )</b>	<b>PRODU CT NAME 2* (projected )</b>	<b>1999 CA POWER Mix** (for comparison)</b>
<b>Eligible Renewable</b>	<b>56%</b>	<b>12%</b>	12%
— Biomass & waste	—	— 2%	— 2%
— Geothermal	—	— 5%	— 5%
— Small hydroelectric	—	— 3%	— 3%
— Solar	—	— <1%	— <1%
— Wind	—	— 2%	— 2%
<b>Coal</b>	<b>10%</b>	<b>20%</b>	20%
<b>Large Hydroelectric</b>	<b>10%</b>	<b>20%</b>	20%
<b>Natural Gas</b>	<b>16%</b>	<b>31%</b>	31%
<b>Nuclear</b>	<b>8%</b>	<b>16%</b>	16%
<b>Other</b>	<b>&lt;1%</b>	<b>&lt;1%</b>	<1%
<b>TOTAL</b>	<b>100%</b>	<b>100%</b>	100%

\* 50% of **Product Name 1** and 0% of **Product Name 2** is specifically purchased from individual suppliers.

\*\*Percentages are estimated annually by the California Energy Commission based on the electricity sold to California consumers during the previous year.

For specific information about these electricity products, contact **Company Name**. For general information about the Power Content Label, contact the California Energy Commission at 1-800-555-7794 or [www.energy.ca.gov/consumer](http://www.energy.ca.gov/consumer).

## POWER CONTENT LABEL

<u>ENERGY RESOURCES</u>	<u>PRODU CT NAME 1</u>	<u>PRODU CT NAME 2</u>	<u>2009 CA POWER Mix** (for comparison)</u>
<b><u>Eligible Renewable</u></b>	<b><u>17%</u></b>	<b><u>100%</u></b>	<b><u>12%</u></b>
<u>-Biomass &amp; Biowaste</u>	<u>3%</u>	<u>10%</u>	<u>2%</u>
<u>-Geothermal</u>	<u>5%</u>	<u>20%</u>	<u>5%</u>
<u>-Small Hydroelectric</u>	<u>3%</u>	<u>5%</u>	<u>2%</u>
<u>-Solar</u>	<u>1%</u>	<u>10%</u>	<u>&lt;1%</u>
<u>-Wind</u>	<u>5%</u>	<u>55%</u>	<u>3%</u>
<u>-Other Renewable</u>	<u>0%</u>	<u>0%</u>	<u>0%</u>
<u>REC Only</u>	<u>0%</u>	<u>0%</u>	<u>0%</u>
<b><u>Coal</u></b>	<b><u>8%</u></b>	<b><u>0%</u></b>	<b><u>8%</u></b>
<b><u>Large Hydroelectric</u></b>	<b><u>15%</u></b>	<b><u>0%</u></b>	<b><u>9%</u></b>
<b><u>Natural Gas</u></b>	<b><u>32%</u></b>	<b><u>0%</u></b>	<b><u>42 %</u></b>
<b><u>Nuclear</u></b>	<b><u>8%</u></b>	<b><u>0%</u></b>	<b><u>13%</u></b>
<b><u>Other</u></b>	<b><u>&lt;1%</u></b>	<b><u>0%</u></b>	<b><u>0%</u></b>
<b><u>Unspecified Sources of Power*</u></b>	<b><u>20 %</u></b>	<b><u>0%</u></b>	<b><u>16%</u></b>
<b><u>TOTAL</u></b>	<b><u>100%</u></b>	<b><u>100%</u></b>	<b><u>100%</u></b>

\* "Unspecified sources of power" means electricity from transactions that are not traceable to specific generation sources.

\*\*Percentages are estimated annually by the California Energy Commission based on the electricity sold to California consumers during the previous year.

\*\*\* The information and percentages provided by the power content label does not represent or imply any correlation with the California Renewables Portfolio Standard and its compliance measures. For more information on the California RPS program, visit [www.energy.ca.gov/portfolio](http://www.energy.ca.gov/portfolio).

\*\*\*\*The REC Only energy resource refers to Renewable Energy Credits that were purchased by a retail seller and does not represent actual generated electricity.

For specific information about these electricity products, contact **Company Name**. For general information about the Power Content Label, contact the California Energy Commission at 1-844-217-4925 or [www.energy.ca.gov/consumer](http://www.energy.ca.gov/consumer).

# APPENDIX A-4

Sample annual report to customers for the case where actual purchases do not differ by more than five percentage points in any fuel category or subcategory.

<b>POWER CONTENT LABEL</b>	
Annual report of actual electricity purchases for <b>Product Name</b> in 1999	
<b>ENERGY RESOURCES</b>	<b>ACTUAL POWER MIX</b>
<b>Eligible Renewable</b>	<b>53%</b>
— Biomass and waste	_____
— Geothermal	_____
— Small hydroelectric	_____
— Solar	_____
— Wind	_____
<b>Coal</b>	_____
<b>Large Hydroelectric</b>	_____
<b>Natural Gas</b>	_____
<b>Nuclear</b>	_____
<b>Other</b>	_____
<b>TOTAL</b>	<b>100%</b>

For each category, the percentage **Company Name** projected for 1999 was within  $\pm 5$  percentage points of the actual percentage.

For specific information about this electricity product, contact **Company Name**. For general information about the Power Content Label, contact the California Energy Commission at 1-800-555-7794 or [www.energy.ca.gov/consumer](http://www.energy.ca.gov/consumer).

# APPENDIX A-5

Sample annual report to customers for the case where actual purchases differ from projected fuel mix by more than five percentage points in one or more fuel categories or subcategories.

## POWER CONTENT LABEL

Annual report of actual electricity purchases  
for Product Name in 1999

ENERGY RESOURCES	ACTUAL	PROJECT ED
	POWER MIX	POWER MIX*
<b>Eligible Renewable</b>	<b>49%</b>	<b>56%</b>
-Biomass and waste	3%	-
-Geothermal	15%	-
-Small hydroelectric	3%	-
-Solar	7%	-
-Wind	11%	-
<b>Coal</b>	<b>10%</b>	<b>8%</b>
<b>Large Hydroelectric</b>	<b>14%</b>	<b>12%</b>
<b>Natural Gas</b>	<b>19%</b>	<b>17%</b>
<b>Nuclear</b>	<b>8%</b>	<b>7%</b>
<b>Other</b>	<b>0%</b>	<b>0%</b>
<b>TOTAL</b>	<b>100%</b>	<b>100%</b>

\* [explanation for why projected power mix varied from actual purchases]

For specific information about this electricity product, contact **Company Name**. For general information about the Power Content Label, contact the California Energy Commission at 1-800-555-7794 or [www.energy.ca.gov/consumer](http://www.energy.ca.gov/consumer).



# ~~Appendix B~~

## ~~Energy Commission Certificate Program~~

~~(a) This subsection describes the Energy Commission certificate program, in which a retail provider may use certificates created by Energy Commission software to demonstrate that it has purchased the right to claim a specified quantity of generating facility output from a specific facility.~~

~~(b) The Energy Commission certificate program shall consist of the following elements:~~

~~(1) The Energy Commission will make its certificates software available to generators within the Western Systems Coordinating Council that do not sell their generating facility output to an investor owned utility under the terms of a contract entered into prior to September 24, 1996 under the Public Utilities Regulatory Policies Act of 1978. This software creates facility specific certificates that contain the following information: the serial number of each certificate issued, the kilowatt hours associated with each certificate, the name of the generator, the generating facility identification number provided by the U.S. Energy Information Agency or, if one is not provided, a unique identification number assigned by the Energy Commission, the quarter in which the electrical energy identified on the certificate was generated, the fuel type used to generate the kilowatt hours, and a signature block for the generator.~~

~~(2) Each generator that wishes to obtain a copy of the certificates software shall provide to the Energy Commission the following information: the generating facility name, the generating facility identification number provided by the U.S. Energy Information Agency or, if one is not provided, a unique identification number assigned by the Energy Commission, the address of the generating facility, the name and telephone number of a designated contact for the generator, and the fuel or technology type and capacity of the generating facility. After receiving this information, the Energy Commission will provide the generator with a copy of its certificates software and a series of certificate numbers to be used for each generating facility identified by the generator.~~

~~(3) Each retail provider that owns a certificate created by the Energy Commission's certificates software may use that certificate to support a claim of specific purchases in its annual retail provider report pursuant to the terms of this program. The retail provider shall include the serial number(s) of the certificates for generation being claimed.~~

~~(4) In the annual report prepared pursuant to Public Utilities Code § 398.5(e), the Energy Commission will find that certificates created by the Energy Commission's certificates software verify that the retail provider who provided the certificates has purchased the right to claim the generating facility output from the specific facility~~

identified on the certificates, provided the generator has done all of the following:

~~(A) Ensure that the total amount of generation in each quarter is equal to or greater than the amount of kilowatt hours identified in the certificates issued in that quarter.~~

~~(B) Provide the following information to the Energy Commission no less frequently than the fifteenth day after the end of each quarter: total generation during the previous quarter of each facility, the serial numbers of all certificates created by the generator during the previous quarter for each facility, and the amount of kilowatt hours identified in each such certificate.~~

~~(C) Provide, upon Energy Commission request, independent third party readings of the facility meter. Generators must keep copies of meter reads for two years after the generation occurs.~~

## APPENDIX ~~GB~~:

### Agreed-Upon Procedures

(a) This appendix describes the agreed-upon procedures that retail ~~providers-suppliers~~ ~~with-claiming~~ specific purchases ~~in the previous calendar year~~ shall use to comply with the requirements of ~~subsection-subdivision~~ (b)(1) of ~~Section~~ 1394 of these regulations. These procedures shall be performed for each electricity product for which ~~a claim of~~ specific purchases ~~was were~~ made during the previous calendar year, unless the exemption identified in ~~subdivisionsection~~ (b)(2) of ~~Section~~ 1394 ~~of this chapter~~ is applicable. The procedures in ~~subdivisionsections~~ (c)(1), and (c)(2) of this Appendix are applicable to all transactions relating to the fuel mix of the product, and the procedures in ~~subdivisionsection~~ (c)(3) are applicable to the power content labels disclosing the fuel mix of the product. The procedures described in ~~subdivisionsection~~ (c)(4) are also applicable to transactions in which the purchase of generating facility output is traced from a specific generating facility to a retail ~~consumercustomer~~ through a pool.

(b) The retail ~~supplierprovider~~ must engage an independent accountant or certified internal auditor to perform the procedures identified in ~~subdivisionsection~~ (c) below, in accordance with the Public Company Accounting Oversight Board (PCAOB) Interim Attestation Standards for Attest Engagements, AT Section 101, or Interim Attestation Standards for Agreed-Upon Procedures Engagements, AT Section 201. American Institute of Certified Public Accountants (AICPA) Statements on Standards for Attestation Engagements, Section 600 or under Statements on Auditing Standards, Section 622. The accountant shall provide a report to the Energy Commission no later than October June-1 of each year summarizing the results of the procedures.

(1) The accountant must be a certified public accountant in good standing with the American Institute of Certified Public Accountants or a certified internal auditor in good standing with the Institute of ~~Certified~~ Internal Auditors.

(2) The accountant or auditor may use sampling techniques following the guidance set forth in the PCAOB Interim Auditing Standard AICPA AU Section 350, Audit Sampling, provided that the sample size is determined using a confidence level of 90 percent, a tolerable deviation of 10 percent, and an expected deviation rate of 3 percent, and the total population size is determined. The program participant will need to determine the population size (estimates are acceptable). The sample size shall be determined by using a statistical sampling program, and sample selection shall be made on a random basis using a random number generator. In any event, no more than 50 percent (50%) of the selected transactions may relate to any one month unless more than 50 percent (50%) of the population relates to the same month. All parameters and deviations used and the sample size must be described in the report. If the accountant chooses not to use sampling techniques, testing of 100 percent (100%) of the population must be performed.

(c) Agreed-Upon Procedures

(1) Purchases: The auditor shall review the information used to prepare Schedules 1 and 2B and perform the procedures identified below, noting any exceptions.

(A) The auditor shall agree the specific purchases and resales/self-consumption by facility or pool name, facility or pool number provided by the U.S. Energy Information Agency (EIA), certificate numbers of any WREGIS Certificates, unique identification number, certificate numbers of any certificates issued pursuant to Appendix B of these regulations, if any, and kilowatt hours and fuel type from the information used to prepare Schedule 1 to Schedule 1. The auditor shall agree the ~~generic~~ purchases of unspecified sources of power and resales/self-consumption from the information used to prepare Schedule 1 to Schedule 1. The auditor shall also test the mathematical accuracy of Schedule 1.

(B) The auditor shall select a sample of purchases from the information used to prepare Schedule 1 using the sampling guidelines discussed in ~~subdivision~~section (b)(2) of this appendix, and for each purchase in the sample perform the following procedures:

1. Agree the facility or pool name, facility or pool number provided by the U.S. Energy Information Agency (EIA), Certificate number of any WREGIS Certificates, unique identification number, certificate number of any certificates issued pursuant to Appendix B of these regulations, if any, kilowatt hours and the fuel type from the invoice (or from the Energy Commission) to the information used to prepare Schedule 1.
2. For facilities owned by the retail supplier provider, agree the kilowatt hours with meter readings made by an independent third party, or confirm that the retail supplier provider has another internal auditing procedure that assures facility production agrees to production claims.
3. Agree the date of generation from the invoice to the reporting period of the information used to prepare Schedule 1.

(C) The auditor shall agree the net kilowatt hours purchased shown on Schedule 1 to net purchases shown on Schedule 2B. ~~Note as an exception if any explanation of the difference in net purchases and sales was improperly excluded.~~

(2) Sales: The auditor shall review the information used to prepare Schedules 1 and 2A, and perform the procedures identified below, noting any exceptions.

(A) ~~Agree sales by fuel type and by product from the information used to prepare Schedule 2A to Schedule 2A. The auditor shall also check the mathematical accuracy of Schedule 2A.~~ The auditor shall agree the total retail sales information used to prepare Schedule 1 to total retail sales shown on Schedule 1.

(B) ~~Select a sample of sales from the information used to prepare Schedule 2A, using~~

~~the sampling guidelines discussed in subsection (b)(2), and agree the sales to customers by fuel type and product to the billing statement. The auditor shall agree the total retail sales shown on Schedule 1 to total retail sales shown on Schedule 2. The auditor shall also check the mathematical accuracy of Schedule 2.~~

### (3) Labels

~~(A) The auditor shall obtain copies of all quarterly and promotional labels for the previous year, and compare the percentages by fuel type in these disclosures to the percentages by fuel type calculated per subsection (d)(1)(C)(1) of section 1393 using the data supplied in Schedule 2A, noting any exceptions.~~

~~(B) The auditor shall obtain a copy of the annual power content label provided to customers for each product pursuant to subdivision section (e)(27) of section 1393 of this chapter. The auditor shall calculate the fuel and technology mix of the total annual retail sales for the product using the information provided in Schedule 2A and the equation found in subdivision section (c)(1)(C) of section 1393 of this chapter. The auditor shall then compare these percentages to those identified for the actual power mix on the annual label. The auditor shall note any exceptions greater than 1%.~~

~~(C) The auditor shall determine if the absolute value of the percentage point difference for any fuel type identified on the annual label and any projected disclosure is greater than five percentage points, and, if so, whether the annual label displays a "Projected Power Mix" column that identifies the projected disclosure that varies the most from the actual fuel mix and a footnote explaining the reason for the discrepancy between the projected and actual fuel mix. The projected disclosure that varies the most from the actual fuel mix is determined pursuant to subsections (d)(2)(A) and (B) of section 1393.~~

### (4) Pools

(A) Purchases: The auditor shall obtain the information used to prepare Schedule 3 and perform the procedures identified below, noting any exceptions.

1. The auditor shall agree the purchases by facility name, facility number ~~unique identification number~~, certificate number of any WREGIS certificates issued pursuant to Appendix B of these regulations, if any, and kilowatt hours and fuel type from the information used to prepare Schedule 3 to Schedule 3. The auditor shall also test the mathematical accuracy of Schedule 3.

2. The auditor shall select a sample of purchases from the information used to prepare Schedule 3 using the sampling guidelines discussed in ~~subdivision section (b)(2) of this section~~, and for each purchase perform the following procedures:

a. Agree the facility name, facility ~~unique identification~~ number, ~~certificate number of any certificates issued pursuant to Appendix B of these regulations, if any,~~ and kilowatt hours and fuel type from the invoice to the

information used to prepare Schedule 3.

b. For facilities owned by the retail ~~supplier~~provider, agree the kilowatt hours with meter readings made by an independent third party, or confirm that the retail ~~supplier~~provider has another internal auditing procedure that assures facility production agrees to production claims.

c. Agree the date of generation from the invoice to the reporting period of the information used to prepare Schedule 3.

(B) Sales: The auditor shall obtain the information used to prepare Schedule 4, and perform the procedures identified below, noting any exceptions.

1. The auditor shall agree the sales by purchaser and by fuel type and kilowatt hours from the information used to prepare Schedule 4 to Schedule 4. The auditor shall also test the mathematical accuracy of Schedule 4.

2. The auditor shall select a sample of sales from the information used to prepare Schedule 4 using the sampling guidelines discussed in ~~subdivision~~section (b)(2) of this section, and for each sales compare kilowatt hours of fuel type to a copy of the billing statement and any other records.

# ~~Appendix D~~

[Repealed in 2001]

# ~~Appendix E~~

[Repealed in 2001]