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## Chapter 3. Data Collection

### Article 1. Quarterly Fuel and Energy Reports

#### § 1301 Title.

*no changes*

#### § 1302 Rules of Construction and Definitions.

(a) *no changes*

(b) Definitions. In this Article, the following definitions apply unless the context clearly requires otherwise:

(1)-(6) *no changes*

(7) “Customer Classification Code” means NAICS codes and the following codes:

(A) *no change*

(B) 925190 for streetlighting service;

~~(B)~~(C) 221311 for water supply service;

(D)-(E) *no changes*

(8)-(52) *no changes*

(53) “Plant use” means the electricity used in the operation of an electric generator, or the electricity used for pumping at pumped storage power plants. Plant use is also known as station use.

(54) “Power plant” means a plant located in California or a California control area that contains one or more prime movers, and/or one or more electric generators, and appropriate auxiliary equipment.

(55)-(68) *no changes*

#### ***New Definitions to §1302 (to be integrated alphabetically)***

“Community Choice Aggregator or “CCA” has the meaning set forth in Public Utilities Code section 331.1.

“Electric Service Provider” or “ESP” has the meaning set forth in Public Utilities Code section 394.

“Control Area Operator” means the entity responsible for the operation of a control area. Also referred to as a Balancing Authority.

“Hub height” means the height above ground surface (in meters) of the center of the wind turbine hub.

“Power purchaser” means the company which purchases electricity from a power plant, as defined in this section.

“Rated wind speed” means the wind speed in m/s that applies to the rating of the nameplate capacity.

“Rotor area” means the rotor swept area in square meters for each turbine model.

“Wind turbine” means an electric generator driven by wind power.

“Wind turbine group” means a group of wind turbines within one wind power plant of the same manufacturer, model, rotor area, hub height, and capacity.

“Base gas” means the volume of gas needed to maintain adequate reservoir pressures and deliverability rates throughout the withdrawal season. Base gas usually is not withdrawn, and remains in the reservoir.

“Injections” means the volume of gas injected into the underground gas storage project each day.

“Underground gas storage project” means a project for the injection and withdrawal of natural gas into an underground reservoir for the purpose of storage. An underground gas storage project includes the reservoir used for storage, the confining strata, gas storage wells, observation wells, and any other wells approved for use in the project. An underground gas storage project also includes the wellheads and, to the extent that they are subject to regulation by the Division of Geologic Energy Management, attendant facilities, and other appurtenances.

“Withdrawals” means the volume of gas withdrawn from the underground gas storage project each day.

“Working gas” means the volume of daily natural gas in an underground gas storage project available to be withdrawn, not including base gas.

“Working gas capacity” means the total storage capacity of the underground gas storage project minus base gas.

### **§ 1303. General Rules for All Reports.**

(a)-(d) *no changes*

(e) Annual Reports and Data. Unless provided otherwise, data or reports referred to as "annual" or "annually" shall be submitted for the previous calendar year on the 15th day of February. Annual data or reports may, as specified in this Article, be required to contain data on a month-by-month or quarter-by-quarter basis. Publicly owned utilities that operate on a fiscal year basis may choose to provide annual reports containing financial information and data submissions containing financial information within 75 days of the close of the fiscal year in lieu of providing those reports and data on the 15th day of February.

(f) Extension of Deadlines Specified in this Article. The company responsible (or delegated the responsibility under Section 1303(g)) for submitting data, a report, or an application may apply to the Executive Director for and receive from the Executive Director an extension of the deadlines established in this Article. ~~The Executive Director shall act on an application within five business days after it is received at the Commission. The Executive Director's decision may be appealed to the full Commission; the Commission shall act on an appeal within 14 days after the appeal is received; the Commission may summarily deny an appeal without a hearing. An extension, which shall be no more than 30 days, shall be granted if:~~

(1) – (2) ***no changes***

(g)-(h) ***no changes***

(i) Submittal of Alternative Data, Reports, or Format.

~~(1) The company responsible (or delegated the responsibility under Section 1303(g)) for submitting data or a report under this Article may submit in lieu of that report or data, another filing made with a public agency and publicly available that contains the same information required by the Commission regulation (“alternative filing”) and an attestation made under penalty of perjury that includes apply for and receive from the Executive Director authorization to submit, in lieu of the required data or report, another collection of data assembled and prepared by the company for a purpose other than compliance with this Article, or to submit data not in accordance with the forms and instructions specified under Section 1303(b). The Executive Director shall act on an application within 20 days after it is received by the Commission. If the application is granted, then the company may submit updated alternative data for each subsequent report without the need for a subsequent application. The Executive Director's decision may be appealed to the full Commission; the Commission shall act on an appeal within 14 days after the appeal is received; the Commission may summarily deny an appeal without a hearing. The Executive Director may revoke authorization at any time for any reason. An application shall be granted if:~~

~~(1) The company submits and the Commission receives, no later than 30 days before the data or report is due, an application that includes:~~

~~(A) the full legal name, address of the principal place of business, telephone number, fax number, e-mail address, and website address of the company submitting the alternative filing application and of the entity to which the alternative filing collection of data was or will be submitted;~~

~~(B) the name, address of the principal place of business, telephone number, fax number, and e-mail address of the person employed by the company submitting the alternative filing data or report, who should be contacted with questions about the alternative filing application;~~

~~(C) the name of the report and the Sections of these regulations applicable to the alternative filing data or report;~~

~~(D) the name, date, and if applicable publication number of the alternative collection of data;~~

~~(DE) the reasons why the company believes that the alternative filing collection of data meets each applicable requirement of this Section and all other sections in this Article; and~~

~~(F) a declaration executed under penalty of perjury of the laws of the State of California stating:~~

~~1. the full legal name, address of the principal place of business, telephone number, fax number, and e-mail address of both the person executing the declaration and the company submitting the application, and the title of the person;~~

~~(E)2. a statement that the person executing the attestation declaration is authorized to do so and to submit the application on behalf of the company; and~~

~~3. that the matters contained in the alternative filing and attestation application are, to the best of the person's knowledge and belief and based on diligent investigation, true, accurate, complete, and in compliance with these regulations.~~

~~(2) If the Executive Director determines that the alternative filing does not contain the information required by the Commission regulation identified in (i)(1)(C), he or she may notify the company responsible for submitting data or a report under this Article, and the company shall provide the information required by the regulation within 45 days. the Executive Director finds that compliance with these regulations and the needs of the Commission, other entities, and the public will not be harmed by granting of the application.~~

~~(j)-(l) no changes~~

~~(m) Accuracy of Customer Classification Coding.~~

~~(1) Electricity and natural gas sales data reported pursuant to Sections 1306(a) and 1308(c) shall be accurately classified by Customer Classification code. Data shall be deemed accurately classified if, based on a random sample comparing (I) the Customer Classification code used for classification under Section 1306(a) or 1308(c) used for general customer record-keeping to (II) an independently derived Customer Classification code known to be accurate for each non-residential establishment in the sample, 99% of customer accounts, weighted by energy, are correctly classified at the major customer sector level and 90% of customer accounts, weighted by energy, are correctly classified at the 4-digit Customer Classification code level.~~

~~(2) If the Executive Director believes that sales data provided by a UDC or gas utility is not accurately classified by Customer Classification code, he or she may require the appropriate UDC or gas utility to conduct a study of the UDC or gas utility's records to verify the accuracy of the Customer Classification coding of the data submitted to the Commission. The study shall be provided to the Commission within three months of the date of the Executive Director's notification of the requirement for a study. If the study reveals that the accuracy requirements contained in subdivision (m)(1) of this section are not being met, the UDC or gas utility shall submit a plan to correct the Customer Classification Coding to allow it to meet those accuracy requirements. Such plan shall be submitted within six months of the date of the Executive Director's notification of the requirement for a study and shall contain the following:~~

~~(A) — an identification of the measures needed to ensure that the accuracy requirements contained in subdivision (m)(1) of this section are met; and~~

~~(B) — a commitment to implement the measures identified in subdivision (m)(2)(A) above no later than one year from the date of the Executive Director's notification of the requirement for a study.~~

Note: Authority cited: Sections 25213, 25218(e) and 25320, Public Resources Code. Reference: Sections 25005.5, 25216, 25216.5, 25300-25303, 25401, 25401.2, 25403, 25403.5, 25602 and 25604, Public Resources Code; and Sections 9615 and 9620, Public Utilities Code.

#### **§ 1304. Power Plant Reports.**

(a) Reports by Power Plant Owners. Each power plant owner shall submit all of the data and reports required by this subsection for each power plant that has a nameplate capacity of one megawatt or more, and that it owns or owned during the reporting period. ~~For the purposes of this subsection, all of the wind turbines in an power plant shall be collectively considered as one single electric generator.~~

(1) Each Report: Power Plant Identification. The following data shall be submitted for each power plant with every quarterly, or annual report:

(A) name of the power plant;

(B) identification number of the power plant assigned by the Commission;

(C) facility code of the power plant assigned by the EIA;

(D) the name of the control area operator;

(E) the generator identification code assigned by the Western Renewable Energy Generation Information System, if applicable;

~~(DF)~~ address where the power plant is physically located: latitude and longitude, street address, city, county, state and zip code;

~~(EG)~~ if the power plant operator is not the power plant owner, the power plant operator's full legal name, phone number, and address of principal place of business including the street address, city, state, and zip code;

~~(FH)~~ nameplate capacity of the power plant; For wind power plants, provide hub height, rotor area, rated speed, number of turbines, and the capacity for those wind turbines that were operable in the reporting period. Wind power plant capacity does not include capacity of those wind turbines that were permanently out of service, on indefinite shutdown, retired, or decommissioned;

~~(GI)~~ if the power plant supplies electricity directly to an entity on site, the Customer Classification code of the entity;

- (HJ) if the power plant was sold during the reporting period;
1. the settlement date of the power plant sale;
  2. the buyer's and the seller's full legal names and addresses including street address, city, state, and zip code; and
  3. the name, address including street address, city state, and zip code, and telephone number of the contact persons for the buyer and seller; ~~and~~
- (K) for each electric generator in the power plant:
1. the identification number assigned by the power plant owner;
  2. nameplate capacity of the electric generator; ~~and, if the prime mover is a wind turbine, the total number of turbines reflected in the nameplate capacity;~~ For wind turbines, provide the hub height, rotor area, rated speed, number of turbines, and the combined capacity for each wind turbine group in the power plant, including only those wind turbines that were operable in the reporting period. Wind turbine group capacity does not include capacity of those wind turbines that were permanently out of service, on indefinite shutdown, retired, or decommissioned;
  3. any capacity changes for electric generators and wind turbine groups. Calculated pursuant to subdivision (a)(1)(H) during the previous year and the date of any such changes;
  - ~~4.~~ the date electricity was first generated by the electric generator;
  - ~~5.~~ the date the plant owner began selling electricity to a company;
  - ~~6.~~ the operating status of the electric generator during the reporting period, such as operating, standby, cold standby, on test, maintenance, out of service, indefinite shutdown, or retired;
  - ~~7.~~ if the electric generator was retired during the reporting period, the retirement date;
  - ~~8.~~ an identification of the prime mover that drives the electric generator; ~~and~~
  - ~~9.~~ an indication whether the prime mover is part of a combined-cycle unit; ~~;~~
  - ~~10.~~ the manufacturer of the generator; and
  - ~~11.~~ the model number of the generator.

(2) Generation and Fuel Use Data.

(A) For power plants with nameplate capacity of one megawatt or more and less than ten megawatts, the following data shall be submitted annually:

1. gross generation of each electric generator, or wind turbine group, in megawatt hours;
2. net generation of each electric generator, or wind turbine group, in megawatt hours;
3. fuel use, by fuel type, of each electric generator;
4. fuel use, by fuel type, for useful thermal output and electricity generation of each cogenerator;
5. electricity in megawatt hours, consumed on site by the power plant owner, other than for plant use, classified by Customer Classification Code;
6. sales for resale, in megawatt hours;
7. for cogenerators providing useful thermal output to commercial or industrial end-users, sales of electricity to those end users, classified by Customer Classification Code, in megawatt hours, excluding sales to the wholesale market or LSEs;
8. for cogenerators, useful thermal output provided by each cogenerator to each recipient, in million British thermal units, classified by Customer Classification Code; ~~and~~
9. for cogenerators, waste heat of each electric generator, in million British thermal units- and

(B) For power plants with nameplate capacity of ten megawatts or more and less than fifty megawatts, the following data shall be submitted quarterly:

1. monthly gross generation of each electric generator, or wind turbine group, in megawatt hours;
2. monthly net generation of each electric generator, or wind turbine group, in megawatt hours;
3. monthly fuel use, by fuel type, of each electric generator;
4. monthly fuel use, by fuel type, for useful thermal output and electricity generation of each cogenerator;
5. monthly electricity in megawatt hours, consumed on site by the power plant owner, other than for plant use, classified by Customer Classification Code;
6. monthly sales for resale, in megawatt hours;

7. for cogenerators providing useful thermal output to commercial or industrial end-users, monthly sales of electricity to those end-users, classified by Customer Classification Code, in megawatt hours, excluding sales to the wholesale market or LSEs;

8. for cogenerators, monthly useful thermal output provided by each cogenerator to each recipient, in million British thermal units, classified by Customer Classification Code; and

9. for cogenerators, monthly waste heat of each electric generator, in million British thermal units.

(C) For power plants with nameplate capacity of fifty megawatts or more, the following data shall be submitted quarterly:

1. monthly gross generation of each electric generator, or wind turbine group, in megawatt hours;

2. monthly net generation of each electric generator, or wind turbine group, in megawatt hours;

3. monthly fuel use, by fuel type, of each electric generator;

4. monthly fuel use, by fuel type, for useful thermal output and electricity generation of each cogenerator;

5. monthly electricity in megawatt hours, consumed on site by the power plant owner, other than for plant use, classified by Customer Classification Code;

6. monthly sales for resale, in megawatt hours;

7. for cogenerators providing useful thermal output to commercial or industrial end-users, monthly sales of electricity to those end-users, classified by Customer Classification Code, in megawatt hours, excluding sales to the wholesale market or LSEs;

8. for cogenerators, monthly useful thermal output provided by each cogenerator to each recipient, in million British thermal units, classified by Customer Classification Code;

9. for cogenerators, monthly waste heat of each electric generator, in million British thermal units; and

10. monthly fuel cost by fuel type of each electric generator, except for the cost of fuel provided to the generator through a tolling agreement. If fuel is provided to the generator through a tolling agreement, indicate the portion of the fuel use identified in subdivision (a)(2)(C)(4) that is provided to the generator through the tolling agreement.

(3) The following environmental information related to power plant operations shall be reported annually:

(A) Environmental information related to water supply and water / wastewater discharge.

1. Water Supplies: Owners of natural gas and solar power plants with a generating nameplate capacity of 20 50 megawatts and greater and of all geothermal power plants shall submit the following information for the previous calendar year copies of reports or filings required by regulations, permit, or contract conditions that identify any of the following information for the previous calendar year:

~~a. a description of the type of cooling technology being used for each unit within a power plant;~~

~~ab. the name of the~~ If a water supplier(s) is under contract to provide water to the power plant, if applicable, identify the name of the supplier(s), and whether the supply is potable, recycled, degraded, or raw untreated water; or the name of the water source as assigned by the U.S. Geological Survey on its 7.5 minute map series.

~~b. If there is no water supply under contract, identify whether the water source is from groundwater or the diversion of surface water. Or, if well~~ If ground water is used, provide the well identification number(s) and location(s) as specified in the California Department of Water Resources, Water Facts, Issue No. 7, "Numbering Water Wells in California," June 2000. If the power plant owner diverts surface water, provide the water rights permit number(s) issued by the State Water Resources Control Board. Where a water rights permit is not required, provide a description of the diversion location(s);

~~c. Provide a description of any other water supply not identified above; and~~

~~e. the daily average and daily maximum water use volumes in gallons for all power plant purposes;~~

~~d. Specify the monthly and annual amounts of water used for all power plant purposes in acre-feet; and the types of purposes for which water is generally used.~~

~~e. the metering technology used to measure and track water use at the power plant and the frequency at which meter readings are recorded (hourly, daily, weekly, monthly or annually).~~

2. Wastewater Discharges: Owners of power plants with a nameplate generating capacity of 20 50 megawatts and greater all of all geothermal power plants shall submit the following information: copies of reports or

~~filings required by regulations, permit, or contract conditions that identify any of the following information for the previous calendar year:~~

~~a. description of the physical and chemical characteristics of the source water or the wastewater discharge, including any information prepared with the approved test methodology and detection limits specified by the U.S. Environmental Protection Agency in 40 CFR s136.3 for analyzing the constituents in wastewater.~~

~~b. the wastewater disposal system(s) used at the power plant for discharges related to power plant cooling and operations, the manufacturer(s), and the year of installation;~~

~~c. the measures taken, and the devices installed on the wastewater disposal system's outfall, to control pollution discharges to municipal systems, receiving waters or land;~~

~~ea. Provide the name of the utility or organization receiving the wastewater discharge, if applicable, or the name of the receiving water as assigned identified by the U.S. Geological Survey on its 7.5-minute map series;~~

~~eb. Specify the monthly and annual totals amounts of wastewater that are created from discharged as a result of power plant operations in acre-feet-gallons; and~~

~~c. Specify the destination of all wastewater discharged from the power plant, whether onsite or offsite.~~

~~f. the daily average and daily maximum wastewater discharge volumes in gallons.~~

~~(B) Environmental information related to biological resources: Owners of power plants with a generating capacity of one megawatt or greater shall submit copies of reports or filings required by regulations, permit, or contract conditions that identify any of the following information for the previous calendar year:~~

~~1. documentation of the "take" of terrestrial, avian and aquatic wildlife subject to legal protection under California Fish & G. Code s 2050 et seq., 16 U.S.C.A. s 1371 et seq., 16 U.S.C.A. s 1531 et seq., and 16 U.S.C. A. s 668 et seq. that occurred as a result of operation of the power plant.~~

~~2. documentation and identification of the biomass (by weight) and species composition of fishes and marine mammals killed by impingement on the intake screens of each once-through cooling system;~~

~~(C) Copies of any written notification provided by any state or federal regulatory agency to the owner of a power plant with a generating capacity of one megawatt or more that operation of the power plant has created a violation of an applicable statute, regulation, or permit condition related to environmental quality or public health during the previous calendar year, or that there is an~~

~~ongoing investigation regarding a potential violation at the time that the data identified in this subdivision is required to be filed with the commission.~~

(b) Reports by UDCs. Each UDC shall report the following data for each power plant and energy storage system located in the UDC's service area and for which data is collected. The report shall be submitted on January 31 and July 31 each year, but if information for an existing plant has already been provided pursuant to this section, and is unchanged, the filing need only identify the date on which the information was previously provided.

(1)-(2) ***no changes***

(3) all power plants and energy storage systems:

(A)-(F) ***no changes***

(G) rate schedule

(GH) if the power plant or energy storage system is connected to that part of the customer's electrical system not owned by UDC, provide the those UDCs who also report pursuant to Section 1353 shall report the following;

1. service account number;
2. premise identification number; and
3. meter identification number; ~~and~~
4. ~~rate schedule.~~

Note: Authority cited: Sections 25213, 25218(e) and 25320, Public Resources Code. Reference: Sections 25005.5, 25216, 25216.5, 25300-25303, 25305, 25305.1, 25310, 25401, 25401.2, 25403, 25403.5 and 25602, Public Resources Code.

### **§ 1305. Control Area Operator Reports.**

***no changes***

### **§ 1306. LSE and UDC Reports, and Customer Classification Reports.**

(a) Quarterly UDC Reports.

(1) Each UDC shall report the number of customers, revenue expressed in dollars, volume expressed in kWh for all electricity sold or delivered by the UDC during each of the previous three months as follows:

(A) sales to bundled customers classified by county, retail rate class, and customer classification code; and

(B) deliveries to unbundled customers classified by county, retail rate class, ~~and customer classification code~~, and for unbundled customers, whether the LSE for whom distribution services are being provided is an ESP or a CCA.

(2) – (5) **no changes**

(b) **no changes**

Note: Authority cited: Sections 25213, 25218(e) and 25320, Public Resources Code. Reference: Sections 25005.5, 25216, 25216.5, 25300-25303, 25401, 25401.2, 25403, 25403.5 and 25602, Public Resources Code.

**§ 1307. Gas Utility and Gas Retailer Reports and Customer Classification Reports.**

(a)-(b) **no changes**

(c) after 2022, the requirements of subdivisions (1) – (3) of subdivision (b) of this section shall not apply to gas utilities reporting under subdivision (c) of Section 1353.

Note: Authority cited: Sections 25213, 25218(e) and 25320, Public Resources Code. Reference: Sections 25005.5, 25216, 25216.5, 25300-25303, 25401, 25401.2, 25403, 25403.5, 25602 and 25604, Public Resources Code.

**§ 1308. Quarterly Gas Utility and Electric Generator Tolling Agreement Reports.**

(a) – (b) **no changes**

(c) Monthly Natural Gas Delivery.

(1) Each gas utility shall report the number of customers, delivery revenue expressed in dollars, volume expressed in therms, and natural gas average heat content expressed in Btu per cubic feet, for all natural gas sold or transported by the gas utility during each of the previous three months as follows:

(A) sales to core customers, excluding cogeneration customers, by county and ~~NAICS~~ customer classification code;

(B) sales to core cogeneration customers by county and ~~NAICS~~ customer classification code;

(C) sales to noncore customers, excluding cogeneration customers, by county and ~~NAICS~~ customer classification code;

(D) sales to noncore cogeneration customers by county and ~~NAICS~~ customer classification code;

(E) transport to core customers, excluding cogeneration, by county and ~~NAICS~~ customer classification code;

(F) transport to core customers for cogeneration, by county and NAICS customer classification code;

(G) transport to noncore customers, excluding cogeneration, by county and NAICS customer classification code, and

(H) transport to noncore customers for cogeneration by county and NAICS customer classification code.

(2) – (3) ***no changes***

(d) ***no changes***

**§ 1309. Quarterly Interstate Pipeline Company Reports.**

***no changes***

**§ 1310. Natural Gas Processor Reports.**

***no changes***

**§ 1311. Energy Efficiency Program Data Collection from Local Publicly Owned Utilities.**

~~Beginning in 2008, and every year thereafter, each local publicly owned utility shall report no later than March 15 to the Commission its annual investments in energy efficiency and demand reduction programs for its previous fiscal year. The report shall include at least:~~

~~(a) — for electric energy efficiency programs:~~

~~(1) — a description of each program by category (residential, nonresidential, new construction, cross-customer, and other);~~

~~(2) — expenditures by program category, identified as administrative costs, delivery costs, incentive and installation costs, and evaluation, measurement, and verification costs;~~

~~(3) — expected and actual annual energy and peak demand savings by program category; and~~

~~(4) — an explanation of how these energy efficiency programs were determined to be cost effective.~~

~~(b) — for demand reduction programs:~~

~~(1) — a description of each program;~~

~~(2) — expenditures associated with each program;~~

~~(3) — expected demand reduction, and any actual reduction from the programs, and~~

~~(4) — an explanation of how these demand reduction programs were determined to be cost effective.~~

Each publicly owned utility shall provide the report Public Utilities Code section 9505 in according with the requirements of that section.

Note: Authority cited: Sections 25213, 25218(e) and 25320, Public Resources Code. Reference: Sections 25005.5, 25216, 25216.5 and 25300-25303, Public Resources Code; and Section 9615, Public Utilities Code.

### **§ 1312. Energy Efficiency Program Data Collection from Non-Utility Programs**

Beginning in 2021, and every year thereafter, each PACE program administrator shall report no later than March 15 to the Commission its annual investments in energy efficiency programs for the previous fiscal year. The report shall include:

(a) Program Name: title or name of the PACE program (Example: mPower Placer);

(b) Sector Indicator: Flag to indicate the sector that the program targets (“R” for residential and “NR” for non-residential);

(c) Project ID: a unique ID for each project implemented under the program;

(d) Assessor’s parcel number (APN): The county name and assessor’s parcel number (APN) of the site at which the project was implemented;

(e) Project Address; the street address of the project.

(f) Project Start Date: the date the project implementation was started in the mm/dd/yyyy format;

(f) Project Completion Date: the date the project implementation was completed in the mm/dd/yyyy format;

(h) Measure Types: the efficiency measure implemented, including but not limited to a) Lighting, b) Heating, Ventilation, and Air Conditioning (HVAC), c) Domestic Hot water, d) Enclosure (walls, windows, roof), and e) Self Generation including roof top PV; and

(i) Renewable Generation Indicator: to indicate whether the project included investments in self-generation projects.

### **§ 1314 Natural Gas System Analysis**

(a) – (b) *no changes*

**(c) Current identification information and current project characteristics for underground gas storage projects.** Owners of underground gas storage projects are required to submit the

following project identification information and project characteristic information to the California Energy Commission on a quarterly basis. Owners of underground gas storage projects are to express working gas capacity and total storage capacity in thousand cubic feet (Mcf) and maximum deliverability in Mcf/day.

- (1) Storage Field Name
- (2) Reservoir Name
- (3) Location County
- (4) Type of Facility – Aquifer, Depleted Field, or Salt Formation
- (5) Field Status – either Active or Inactive
- (6) Company Name
- (7) Contact First and Last Name
- (8) Phone Number
- (9) Company Address
- (10) Company Email Address
- (11) Working Gas Capacity (Mcf)
- (12) Total Storage Field Capacity (Mcf)
- (13) Maximum Deliverability (Mcf/day)

(d) **Daily underground gas storage project information.** Owners of underground gas storage projects are required to submit information on base gas, working gas, total gas in storage, withdrawal, and injection for each calendar day. Volumes shall be expressed in Mcf. If the volumes submitted require true-up, please provide notation for any true-ups required. Owners of underground gas storage projects are required to submit the following information for each calendar day on a quarterly basis:

- (1) Report Day (Month, Day, and Year)
- (2) Base Gas (Mcf)
- (3) Working Gas (Mcf)
- (4) Total Gas in Storage, which is the sum of base and working gas
- (5) Injections (Mcf)
- (6) Withdrawals (Mcf)

## **Article 2. Forecast and Assessment of Energy Loads and Resources**

### **§ 1341. Rules of Construction and Definitions.**

*no changes*

### **§ 1342. General Requirements for Preparation of Planning Reports and Supporting Survey and Load Metering Data Collection Requirements.**

(a) – (b) *no changes*

(c) Extensions of deadlines specified in this Article. The person responsible (or delegated the responsibility in this Article) for submitting a report may apply to the Executive Director for ~~and receive from the Executive Director~~ an extension of the deadlines established in this Article. ~~The Executive Director shall act on an application within five business days after it is received at the~~

~~Commission. The Executive Director's decision may be appealed to the full Commission; the Commission shall act on an appeal within 14 days after the appeal is received; the Commission may summarily deny an appeal without a hearing. An extension shall be granted for no more than 30 days, if:~~

~~(1) – (2) **no changes**~~

~~(d) – (f) **no changes**~~

~~(g) Submittal of Alternative Data, Reports, or Format.~~

~~(1) The company responsible (or delegated the responsibility in this Article) for submitting data or a report may submit in lieu of that report or data, another filing made with a public agency and publicly available that contains the same information or data required by the Commission regulations (“alternative filing”) and an attestation made under penalty of perjury that includes apply for and receive from the Executive Director authorization to submit, in lieu of the required data or report: another collection of data assembled and prepared for a purpose other than compliance with this Article, or submit data not in accordance with the forms and instructions specified in this Article.~~

~~(1) — The Executive Director shall act on an application for the submission of alternative data within 20 days after it is received by the Commission.~~

~~(2) — If the application is granted for the submission of alternative data, then the company may submit the alternative data for each report required in this Article without the need for a subsequent application, if the alternative data contains all of the data required by this Article as applicable and is current for the time period or periods specified in those sections.~~

~~(3) — The Executive Director's decision may be appealed to the full Commission; the Commission shall act on an appeal within 14 days after the appeal is received; the Commission may summarily deny an appeal without a hearing. The Executive Director may revoke authorization to submit alternative data at any time for any reason.~~

~~(4) — An application for the submission of alternate data shall be granted if:~~

~~(A) — The company submits and the Executive Director receives, no later than 30 days before the report is due, an application that includes:~~

~~(A)1- the full legal name, address of the principal place of business, telephone number, fax number, e-mail address, and website address of the company submitting the ~~application to provide~~ alternative filing data;~~

~~(B)2- the name, address of the principal place of business, telephone number, fax number, and e-mail address of a contact person who can answer questions about the ~~application for submission of~~ alternative filing data;~~

~~(C)3- the name of the report and the sections of these regulations applicable to the report;~~

~~(D)4. the reasons why the alternative filing collection of data meets each applicable requirement of this Article; and~~

~~5. a declaration executed under penalty of perjury under the laws of the State of California stating:~~

~~a. the full legal name, address of the principal place of business, telephone number, fax number, and e-mail address of both the person executing the declaration and the company submitting the application;~~

~~(E)b. a statement that the person executing the declaration attestation is authorized to submit the application on behalf of the company; and~~

~~(F)c. that the matters contained in the application are, to the best of the person's knowledge and belief and based on diligent investigation, true, accurate, complete, and in compliance with these regulations.~~

~~(B) The Executive Director finds that good cause exists for granting the application to submit alternative data. That determination shall include a finding that compliance with these regulations and the needs of the Commission, other entities and the public will not be harmed by the granting of the application.~~

(2) If the Executive Director determines that the alternative filing does not contain the information required by the Commission regulation identified in (g)(1)(C), he or she may notify the company responsible for submitting data or a report under this Article, and the company shall provide the information required by the regulation within 45 days.

(h) – (i) *no changes*

Note: Authority cited: Sections 25213, 25218(e) and 25320, Public Resources Code. Reference: Sections 25005.5, 25216, 25216.5, 25300, 25301, 25302, 25302.5, 25303, 25324 and 25330 et seq., Public Resources Code; and Section 9620, Public Utilities Code.

### **§ 1343. Energy End User Data: Survey Plans, Surveys, and Reports.**

(a) Each UDC that has experienced a peak electricity demand of 1000 MW or more in both the two calendar years preceding the required data filing date, and each natural gas utility that has delivered 100 billion cubic feet of gas per year in both of the two calendar years preceding the required data filing date shall complete the survey plans, surveys, and reports described in this Section, unless exempt as described under the Compliance Option described under subsection (f).

(b) Survey Plans and Plan Approval.

(1) Submittal of Survey Plans. For each survey a utility or UDC is required to perform under this Section, the utility or UDC must complete and submit to the Commission a plan for conducting the survey that is consistent with subsections (b) through (e) of this Section. This plan is due one year before survey data is due under subsection (d) and shall describe, at a minimum:

- (A) the purpose, scope, and design of the survey project;
- (B) the data to be collected, including all data required by subsection (b);
- (C) the methods and schedules to be followed;
- (D) the format for presenting the results;
- (E) the use of contractors to assist in the project;
- (F) the estimated cost of the project, nature of funding source, and regulatory authority to complete the study;
- (G) what confidential data will be used in the study; how confidentiality will be maintained during the conduct of the survey; any special confidentiality protection needed for types of data not explicitly addressed by Chapter 7, Article 2 of this Division; and
- (H) the means for ensuring that the data are representative of the entire end user population located within the utility distribution company service area. The Commission shall presume that the results are representative if the design satisfies all of the following requirements:
  1. The survey is designed to achieve end-use saturation estimates accurate to within plus or minus 5 percent at a 95 percent confidence level;
  2. The survey design includes methods to reduce non-response bias, including repeated contacts of non-respondents;
  3. The survey design includes methods to ensure and verify that results are representative of the end user population; and
  4. Survey methods (such as mail, telephone, or on-site data collection methods) are appropriate to the complexity and amount of data requested.

(2) Commission Approval of Plans. The Commission shall evaluate each survey plan in light of the requirements set forth in this Section, and shall approve any plan that meets the requirements of this Section. During this evaluation, the Commission staff may recommend improvements or amendments to enhance the value, reliability, or relevance of the survey results to energy demand forecasting and analysis. The Commission shall approve or disapprove a submitted plan, including a revised plan, within 60 days of its submission. If the Commission disapproves of a plan, it shall specify the plan's deficiencies in writing. Within 30 days of receiving survey plan disapproval, the utility or UDC shall submit to the Commission a revised plan correcting the specified deficiencies.

(3) The surveys shall be conducted in accordance with the approved survey plan. If changes to the survey plan become necessary, the utility or UDC shall notify the Commission in writing before those changes are implemented. If the Commission objects to the changes, it shall notify the utility or UDC within ten working days of its receipt of those changes. If the Commission does not respond, the amended plan will be accepted.

(c) Data Collection Requirements. Each utility or UDC shall complete surveys of end-users in the residential, commercial, and industrial major customer sectors within its distribution service area every four years, carried out in accordance with the plan approved under subsection (b). Major customer sectors shall be defined pursuant to Section 1302 of this Chapter, except that NAICS code 324 may be excluded from the industrial customer sector. The data collected by the surveys shall include, without limitation, all of the following:

- (1) For all customers:
  - (A) presence and characteristics of energy-using equipment;
  - (B) installed energy efficiency measures;
  - (C) building management controls, and measures designed to shift load;
  - (D) presence and type of any metering and telemetry equipment used to meter energy use;
  - (E) presence, type, and characteristics of any energy-producing equipment or fuel supply;
  - (F) electric and gas retailer identification or type of provider;
  - (G) location of the building surveyed, identified by zip code;
  - (H) patterns of behavior and appliance and equipment operation affecting energy use and load profiles; and
  - (I) building characteristics, including wall construction, foundation, number of stories, square footage of the building, and characteristics of windows.
- (2) For the residential customer sector:
  - (A) building type (single family, multifamily, or mobile home) and vintage of building, and
  - (B) demographic characteristics of occupants, including income, primary language spoken in the home, level of educational attainment, number of persons by age group, and race or ethnic group.
- (3) For the commercial building customer sector:
  - (A) type of business identified by industrial classification code, and
  - (B) occupancy profile, including number of employees and hours of operation.
- (4) For the industrial major customer sector:
  - (A) type of industry identified by industrial classification code;
  - (B) number of employees;

- (C) annual monetary value of shipments; and
  - (D) energy-using production processes used by the facility.
- (5) Corollary data for all surveys:
- (A) all accounting records, customer identifiers, and associated data that are necessary for analysis and development of weights to expand respondent data to the population;
  - (B) for interval metered accounts, 8760 hours of energy consumption data for each sampled premise. For other accounts, twelve months of energy consumption data for each sampled premise; and
  - (C) for each survey where the survey plan includes a load metering element, load metering data for each metered, sampled account.
- (d) Delivery of Data and Documentation. Each utility or UDC shall provide to the Commission all data required by subsection (c), and a Survey Methodology Report, according to the schedule below. The Survey Methodology Report shall describe the procedures that were followed for the survey, including the survey instrument, sample design, sample selection and implementation process, coding procedures, how the survey as implemented differs from the survey plan, and all other information needed for subsequent analyses of the data.
- (1) Residential customer sector: on or before July 1, 2003, and on or before July 1 of every fourth year thereafter.
  - (2) Commercial building customer sector: on or before July 1, 2004, and on or before July 1 of every fourth year thereafter.
  - (3) Industrial major customer sector: On or before July 1, 2006, and on or before July 1 of every fourth year thereafter.
- (e) Data Analysis Reports
- (1) Residential End Use and Saturation Reports. Each utility or UDC shall submit, within six months after the residential sector survey data are due under subsection (d), the following reports based on analysis of the survey data:
    - (A) the Residential End Use Report shall provide estimates of average energy consumption for each major end use by housing type and vintage. The estimates shall be derived from load metering, engineering or conditional demand analysis techniques, which shall be described in the report; and
    - (B) the Residential Saturation Report shall document the percentage of households using electricity, natural gas, or other type of energy for each appliance or end use, by housing type and vintage;

(2) Commercial Building Floor Space Stock and Saturation Reports. Each utility or UDC shall submit, within six months after the commercial building sector survey data are due, the following reports based on an analysis of the survey data:

(A) the Floor Space Stock Report shall provide estimates of current year commercial building floor space stock, measured in square footage, by building type and vintage; and

(B) the Commercial Saturation Report shall document the percentage of commercial floor space using electricity, natural gas, or other type of energy for each end use, by commercial building type and vintage.

(f) Data Collection and Analyses Compliance Option. In lieu of the requirements contained in subsection (b) through (e) of this Section, a utility or UDC may participate in projects identified by the Commission as satisfying the corresponding data collection and analyses elements of this Section.

(1) Participation requirements:

(A) may include a funding contribution from each utility or UDC in the amount determined by the Commission to be reasonably necessary to fulfill the data collection objectives of this Section; and

(B) shall require participating utilities or UDCs to provide certain data to the Commission, including, but not limited to, accounting records and geographic identifiers required for designing, selecting, and properly weighting the sample, individual energy consumption histories for sampled accounts, and load metering data that the Executive Director identifies as required for a given project pursuant to Public Resources Code Section 25216.5.

(2) The Commission shall notify utilities or UDCs of project participation opportunities, including the applicable customer sector, schedule and participation requirements for the project consistent with Section 1343. This notification shall occur at least eighteen months before compliance is due.

(3) A utility or UDC shall be in compliance with the corresponding elements of subsections (b) through (e) of this Section for the customer sector identified by the Commission if it meets the following conditions:

(A) the utility or UDC responds in writing to the Commission's notification of a project participation opportunity within 60 days, requesting to use the compliance option. In its response, the utility or UDC shall agree to comply with the Commission's participation requirements;

(B) the utility or UDC submits to the Commission, according to the schedule described in this Section, the information and data for conducting surveys and performing subsequent analyses identified by the Executive Director as necessary to conduct the survey; and

(C) the utility or UDC transfers funding to the Commission in the amount determined by the Commission to be reasonably necessary to fulfill the data collection objectives of this Section.

(4) The Commission shall approve or disapprove the utility's or UDC's request to use the compliance option within 30 days of its submission.

Note: Authority cited: Sections 25213, 25218(e) and 25320, Public Resources Code. Reference: Sections 25005.5, 25216, 25216.5, 25300, 25301, 25302 and 25303, Public Resources Code.

**§ 1344. Load Metering Reports.**

*no changes*

**§ 1345. Demand Forecasts.**

*no changes*

**§ 1346. Electricity Resource Adequacy.**

*no changes*

**§ 1347. Resource Plans.**

*no changes*

**§ 1348. Pricing and Financial Information.**

*no changes*

**§ 1349. Electric Transmission System Plan and Corridor Information.**

*no changes*

**§ 1350. Exemptions.**

*No changes*

**§ 1351. Requests for Information.**

*No changes*

**§ 1353 Disaggregated Demand Data**

(a) Disaggregated Demand Data Reporting. Each entity subject to requirements identified in this Section shall submit the required data via secure electronic method and shall adhere to the reporting requirements identified in Section 1342.

(1) Quarterly Reports and Data. Unless provided otherwise, data or reports referred to as "quarterly" shall be submitted ~~for the previous calendar quarter on the 15th day of February, May, August, and November.~~ 90 days following the end of each calendar

quarter (i.e., July 1, October 1, January 2, and April 1). UDCs and gas utilities subject to quarterly filing requirements may file the required data more frequently than quarterly, but in no event shall they file data sooner than 90 days following the day it was collected.

(2) No entity subject to reporting requirements pursuant to this Section shall be required to provide data or reports that it does not collect in the regular course of business; however, if the entity begins to collect some or all of the data not previously collected, it must submit the data in accordance with the requirements of this section.

(3) All interval meter data provided pursuant to this Section may be submitted at the interval collected.

(4) A detailed explanation of any methods used by utility to estimate missing, misread, or non-metered data shall be provided with each quarterly filing.

(b) Electricity Demand and Billing Data. Each UDC that has experienced a peak electricity demand of 1000 MW or more in both of the two calendar years preceding the required data filing date, shall on a quarterly basis provide:

(1) For each non-interval meter:

(A) the street address, city, and zip+4 code, county, and state, broken out by individual address component if possible, where service is provided;

(B) service account number (also known as service account identification);

(C) service point identification number, defined as the number or code a UDC uses to uniquely identify the point at which electricity delivered to a customer passes through the UDC meter;

~~(D)~~ premise identification number(s);

~~(E)~~ monthly charge in dollars (positive or negative); For each billing period, total energy sales and transport charges, in dollars (positive or negative), incurred for UDC services provided during the billing period to the service account associated with the meter (if more than one meter is associated with a service account, the UDC shall provide the total for all meters). Provide an indication that the service account utilizes levelized payments or if the charges include an adjustment for net energy metering;

~~(F)~~ start and end dates of billing cycle;

~~(G)~~ number of days in billing cycle;

~~(H)~~ customer participation in a UDC energy efficiency program;

~~(I)~~ rate schedule, including name, unique identifier, description, and participation in any of the following rate programs: net energy metering, electric vehicle, medical, and low income (including which specific low-income program);

~~(J)~~ NAICS customer classification code;

~~(J) — whether there is interconnected PV associated with the premise identification number;~~

~~(K) — whether there are energy storage systems associated with the premise identification number;~~

~~(L) meter identification number;~~

(J) for meters associated with an account for an unbundled customer, the LSE name and type (including but not limited to energy service provider, community choice aggregator);

(KM) For each billing period, monthly volume of electricity sold or delivered in kWhs, and whether the volume is an estimate. If this volume is included in the reporting of a parent meter, provide the meter identification number for the parent meter. Indicate if this meter is connected only to an electrical generator. If the volume reported includes a credit for virtual net metering generation, provide the following: identifier for the electric generator providing the credit and the amount credited; and

(LN) any information identified in (b)(1)(A) - (MK) for 2018, 2019, and 2020 that has not already been provided for 2018.

(2) For each interval meter:

(A) all information from subdivision (b)(1)(A) through ~~(LJ)~~;

(B) in 2018, monthly volume of electricity sold or delivered in kWhs, including volumes for months in 2018 that have not already been provided all information identified in subdivision (b)(2)(C)(i)-(iii) for 2018, 2019, and 2020 that has not already been provided;

(C) beginning in 2019, the following information:

(i) ~~start~~end of interval;

(ii) duration of interval; and

(iii) volume of electricity sold or delivered and returned over the interval in kWh and whether those volumes are estimates. If these volumes are included in the reporting of a parent meter, provide the meter identification number for the parent meter. Indicate if this meter is connected to an electrical generator but not to customer load. If the volume reported includes a credit for virtual net metering generation, provide the following: identifier for the electric generator providing the credit and the amount credited.; and

~~(iv) — interval peak demand (kW);~~

- (3) For all remaining consumption which is not associated with a meter:
  - (A) ~~All~~ information from subdivision (b)(1)(A) through ~~(JK)~~;
  - (B) ~~An~~ estimate of the monthly volume of electricity sold or delivered in kWh; and
  - ~~(C)~~ ~~An estimate of the monthly peak demand (kW, day, and hour); and~~
  - ~~(DC)~~ Any information identified in (b)(3)(A)-(BG) for 2018, 2019, and 2020 that has not already been provided.

(c) Natural Gas Demand and Billing Data. Each gas utility with annual natural gas deliveries of 200 million therms or more in both of the two calendar years preceding the required data filing date, shall on a quarterly basis provide for each meter:

- (1) Sservice address of account number, including the street address, city, and zip+4 code, county, and state, broken out by individual address component if possible, where service is provided;
- (2) Sservice account number;
- (3) service point identification number;
- ~~(24)~~ Ppremise identification number;
- ~~(35)~~ Mmeter identification number;
- ~~(46)~~ for each billing period, monthly volume of natural gas sold or delivered in therms; and whether the volume is an estimate. If this volume is included in the reporting of a parent meter, provide the meter identification number for the parent meter;
- ~~(7)~~ for meters associated with an account for which the utility delivers gas to a customer on behalf of a gas retailer, the name of the gas retailer;
- ~~(58)~~ Monthly charge in dollars (positive or negative), aggregate revenues shall include commodity costs and all non-commodity components of the utility's rates, including without limitation, costs of receiving, transporting, distributing, injecting to storage, recovering from storage, administration, regulatory, public purpose programs, energy market restructuring transition costs, and balancing accounts; For each billing period, total energy sales and transport charges, in dollars (positive or negative), incurred for utility services provided during the billing period to the service account associated with the meter (if more than one meter is associated with a service account, the utility shall provide the total for all meters). Provide an indication if the service account utilizes levelized payments;
- ~~(69)~~ NAICS customer classification code;
- ~~(7)~~ Energy efficiency program participation identification;
- ~~(810)~~ Rrate schedule, including name, unique identifier, description, and an indication of all of the following for each billing period: whether the delivery is a transportation-only

delivery, whether the delivery is for electric generation, and whether the delivery is to a core customer; and

(911) Any information identified in (c)(1)-(810) for 2018, 2019, and 2020 that has not already been provided.

(d) Each UDC and gas utility reporting pursuant to subdivisions (a) – (c) above, shall also report the following for downstream energy efficiency measures that are funded in part or in whole by UDC or gas utility funds, provided however, that UDCs and gas utilities that report to the California Public Utilities California Energy Data and Reporting System do not need to separately report the information identified below:

(1) service account number (also known as service account identification);

(2) premise identification number. If unavailable, provide full street address for the location of the installed measure;

(3) program name and description;

(4) measure name, description, and category;

(5) the date when an energy efficiency participant claimed participation for the corresponding energy efficiency measure; and

(6) completion date.

### **Article 3. Petroleum Information Reports**

**§ 1361. Title.**

*no changes*

**§ 1362. Definitions: General.**

*no changes*

**§ 1363.1. Definitions: Specific Petroleum and Non-Petroleum Products.**

(a) – (h) *no changes*

(i) “Finished Motor Gasoline” means a complex mixture of relatively volatile hydrocarbons with or without small quantities of additives having a boiling point between 122 and 158 degrees Fahrenheit at a ten percent recovery point, and 365 to 374 degrees Fahrenheit at a 90 percent recovery point. Finished Motor Gasoline includes conventional gasoline, all oxygenated gasoline, and all reformulated gasoline, but excludes aviation gasoline.

(1) "Conventional Gasoline" (not classified as oxygenated or reformulated gasoline) means types of finished gasoline that do not contain any oxygenates. These fuels include:

(A) "Arizona Conventional Gasoline" means finished motor gasoline formulated as identified in Arizona Administrative Code ~~R20-2-701.9~~, R3-7-701 ~~which is incorporated herein by reference~~, for use in motor vehicles.

(B) "Nevada Conventional Gasoline" means finished motor gasoline formulated as identified in Nevada Administrative Code 590.065, ~~which is incorporated herein by reference~~, for use in motor vehicles.

(C) ***no changes***

(2) "Oxygenated Gasoline" (not classified as reformulated gasoline outside of California, Arizona or Nevada) means finished motor gasoline that contains an oxygenate. This type of finished gasoline is primarily used during the winter months in regions of the United States that are not in compliance with carbon monoxide standards. These fuels include:

(A) ***no changes***

(B) "Arizona Winter Gasoline" means a finished gasoline formulated as identified in Arizona Administrative Code ~~R20-2-701.3~~, R3-7-701 ~~which is incorporated herein by reference~~, containing ten percent ethanol by volume. The unfinished base gasoline, prior to blending with ethanol, is referred to as Arizona Blendstock for Oxygenate Blending (AZRBOB).

(C) ***no changes***

(3) ***no changes***

(j) – (v) ***no changes***

**§ 1363.2. Definitions: Specific Definitions for Purposes of Reporting Requirements.**

***no changes***

**§ 1364. Reporting Periods.**

***no changes***

**§ 1365.1. Information Requirements; General Reporting Requirements.**

***no changes***

**§ 1365.2. Information Requirements; Other Reporting Requirements.**

*no changes*

**§ 1366. Requirement to File.**

*no changes*

**Appendix A**

Information Requirements for Monthly Weekly Reports

I. – IV. *no changes*

**Article 4. Wind Performance Reporting Systems**

**§ 1381. ~~Title and Purpose.~~**

~~The purpose of this article is to specify performance reporting requirements for operators of specified wind energy projects and for entities which purchase electricity from the projects and to identify requirements for the Commission to publish the information.~~

~~Note: Authority cited: Sections 25213 and 25218(e), Public Resources Code. Reference: Sections 25216.5(d), 25601(c) and 25605, Public Resources Code.~~

**§ 1382. ~~Definitions.~~**

~~For the purposes of this article, the following definitions shall apply unless the Commission has clearly indicated otherwise in these regulations:~~

~~(a) "Contingency Costs": the costs which may be paid by investors after the initial investment, but which are not paid out of project revenues. Contingency costs may include such costs as turbine repairs or annual insurance fees paid during the reporting year.~~

~~(b) "Cumulative Number of Turbines Installed": the cumulative total number of turbines of a given model installed by the end of the reporting period.~~

~~(c) "Electricity Produced (kWh)": the total kilowatt hours actually produced by all of the turbines of a particular turbine model contained within the wind project where the electricity is delivered to a wind power purchaser for sale during the reporting period.~~

~~(d) "Name of Wind Project": the name used for the project in any prospectus, offering memorandum, or sales literature.~~

~~(e) "Number of Turbines Installed During Reporting Period": the number of additional turbines installed during the calendar quarter of the reporting period.~~

~~(f) "Project Cost": the total cost of the turbines installed during the reporting period. Project cost includes all debt and equity investment in the project (including non-recourse notes) and should be comparable to the project cost shown in the offering memorandum, prospectus or sales~~

~~literature published by the developer.~~

~~(g) — "Projected Annual Production Per Turbine (kWh)": the annual average kWh production, by model, predicted by the developer in its prospectus, offering memorandum, or sales literature. This figure may be revised annually prior to the first reporting quarter of each year and shall be based upon average site specific wind distributions and the wind turbine power curves.~~

~~(h) — "Projected Quarterly Production Per Turbine (kWh)": the quarterly breakdown of the Projected Annual Production Per Turbine.~~

~~(i) — "Rotor (M<sup>2</sup>)": the rotor swept area in square meters for each turbine model.~~

~~(j) — "Size (kW)": the turbine manufacturer's published kW rating at a specific miles per hour (mph) with wind speed shown in parentheses.~~

~~(k) — "Turbine Model": the common or manufacturer's name for the turbine if that is a commonly used term for the model of a specific rotor (M<sup>2</sup>) and size (kW).~~

~~(l) — "Wind Power Purchaser": any electricity utility or other entity which purchases electricity from a wind project, as defined in this section.~~

~~(m) — "Wind project": one or more wind turbine generators installed in California with a combined rated capacity of 100 kW or more, the electricity from which is sold to another party.~~

~~(n) — "Wind Project Operator": any developer or operator who directly receives payments for electricity from the wind power purchaser.~~

~~Note: Authority cited: Sections 25213 and 25218(e), Public Resources Code. Reference: Sections 25216.5(d), 25601(c) and 25605, Public Resources Code.~~

### ~~§ 1383. Reporting Period.~~

~~For the purposes of this article, and unless otherwise indicated, the reporting period shall be each calendar quarter, beginning with the first quarter following the effective date of this article. Quarterly reports filed pursuant to this article shall be submitted not later than the forty fifth day following the close of each reporting period. Reports shall be deemed submitted as of the date of postmark, provided that the report is properly and legibly completed.~~

~~Note: Authority cited: Sections 25213 and 25218(e), Public Resources Code. Reference: Sections 25216.5(d), 25601(c) and 25605, Public Resources Code.~~

### ~~§ 1384. Requirements to File.~~

~~The information required by this article shall be submitted to the Commission by wind project operators and wind power purchasers. Reports shall be made on forms prescribed by order of the Commission and according to instructions accompanying the forms. A copy of the wind project prospectus, offering memorandum, and other sales literature shall accompany the initial report. All reports must be verified by a responsible official of the firm filing the report. Requests for confidentiality may be filed pursuant to 20 Cal. Admin. Code Section 2501 et seq.~~

~~Note: Authority cited: Sections 25213 and 25218(e), Public Resources Code. Reference:~~

~~Sections 25216.5(d), 25601(c) and 25605, Public Resources Code.~~

~~§ 1385.— Information Requirements: Wind Project Operators.~~

~~Each operator firm submitting information pursuant to the provisions of this article shall include the following:~~

- ~~(1) — Name of wind project~~
- ~~(2) — Name and address of operator~~
- ~~(3) — Name and phone number of contact person at operator's firm~~
- ~~(4) — Operator's name as shown on power purchase contract (if different than 2 above)~~
- ~~(5) — Name of wind power purchaser~~
- ~~(6) — Purchase contract number~~
- ~~(7) — Resource area and county~~
- ~~(8) — Dates of reporting period~~
- ~~(9) — Turbine model~~
- ~~(10) — Cumulative number of turbines installed~~
- ~~(11) — Number of turbines installed during reporting period~~
- ~~(12) — Rotor (M<sup>2</sup>)~~
- ~~(13) — Size (kW) at stated wind speed~~
- ~~(14) — Project cost~~
- ~~(15) — Additional project contingency costs for which investors may be responsible~~
- ~~(16) — Projected quarterly production per turbine (kWh)~~
- ~~(17) — Projected annual production per turbine (kWh)~~
- ~~(18) — Electricity produced (kWh)~~
- ~~(19) — Turbine manufacturer's name and address~~
- ~~(20) — Operator comments, if any.~~

~~Note: Authority cited: Sections 25213 and 25218(e), Public Resources Code. Reference: Sections 25216.5(d), 25601(c) and 25605, Public Resources Code.~~

**~~§ 1386. Information Requirement: Wind Power Purchaser.~~**

~~Each wind power purchaser submitting information pursuant to the provisions of this article shall include the following:~~

- ~~(1) Name of purchaser's firm~~
- ~~(2) Name and phone number of contact person at purchaser's firm~~
- ~~(3) Date of report~~
- ~~(4) Name of wind project operator~~
- ~~(5) Number of contract with wind project operator~~
- ~~(6) kWh's produced during reporting period~~
- ~~(7) Dates of reporting period~~
- ~~(8) The maximum MW's which the operator can deliver to the purchaser as specified in the power sales agreement.~~
- ~~(9) Purchaser comments, if any.~~

~~Note: Authority cited: Sections 25213 and 25218(e), Public Resources Code. Reference: Sections 25216.5(d), 25601(c) and 25605, Public Resources Code.~~

**~~§ 1387. Publication of Data.~~**

~~The Commission staff shall compile and distribute, on a quarterly basis, the information reported by wind project operators and purchasers. Cost data will be published by the Commission in an aggregated form to the extent necessary to assure confidentiality. The final publication of each year shall combine the performance data for that year. The publication shall designate the name of any wind project operator from whom performance data is not received.~~

~~Note: Authority cited: Sections 25213 and 25218(e), Public Resources Code. Reference: Sections 25216.5(d), 25601(c) and 25605, Public Resources Code.~~

**~~§ 1388. Failure to Provide Information.~~**

~~The Commission may, after notifying any person of the failure to provide information pursuant to this article, take such action to secure the information as is authorized by any provision of law, including, but not limited to, Public Resources Code Section 25900.~~

~~Note: Authority cited: Sections 25213 and 25218(e), Public Resources Code. Reference: Sections 25216.5(d), 25601(c), 25605(e) and 25900, Public Resources Code.~~

**~~§ 1389. Exemptions.~~**

~~Operators of wind projects of less than 100 kW rated capacity or operators who do not offer~~

electricity for sale are exempt from this article.

Note: Authority cited: Sections 25213 and 25218(e), Public Resources Code. Reference: Sections 25216.5(d), 25601(c) and 25605, Public Resources Code.

#### **Article 4. Alternative Transportation Fuels**

##### **§ 1381. Title and Purpose.**

The purpose of this article is to specify reporting requirements for operators of infrastructure pertaining to alternative energy sources for transportation.

Note: Authority cited: Sections 25304 and 25229.

##### **§ 1382 Definitions**

(a) “Date Pacific Time” or “Date” means the calendar Year, Month, and Day (e.g. YYYY-MM-DD) format in the Pacific Standard Time (PST) or Pacific Daylight Time (PDT) as applicable.

(b) “Direct current fast charger” (DCFC) means an EVSE that includes an off-vehicle charger and provides greater than or equal to 80 amperes of direct current, or greater than 19.2 kW of power.

(c) “Electric vehicle” (EV) is synonymous with “plug-in electric vehicle” (PEV) and means any vehicle propelled by an electric motor drawing energy from an onboard battery and that uses an EVSE to recharge the battery. The term includes battery-electric vehicles (BEVs) and plug-in hybrid electric vehicles (PHEVs).

(d) “Electric vehicle charging station” or “station” means a physical location with an address where one or more EVSE are available for EV charging.

(e) “Electric vehicle supply equipment” (EVSE) means an apparatus installed specifically for providing electrical energy greater than 1.2 kilowatts (kW) to an EV. The energy source can be the utility electricity grid, on-premises generation or energy storage devices.

(f) “Electric vehicle service provider” (EVSP) means a company responsible for providing drivers with charging sessions or billing via EVSEs on their network. An EVSP can remotely monitor and control an EVSE in the field from either a back-office or cloud services.

(g) “Higher-power” means an EVSE with a power output greater than 19.2kW. “Vehicle-to-X” (V2X) means bidirectional electrical energy flow allowing the vehicle to act as either an energy load or source. The “X” could be any of several resources,

including the grid, a building, or a load. For example, vehicle-to-grid (V2G) and vehicle-to-building (V2B) are applications of V2X, i.e. bidirectional charging.

(h) “Hydrogen” means diatomic molecular hydrogen, the lightest of all gases.

(i) “Hydrogen fuel” means a fuel composed of molecular hydrogen sold for consumption in a surface vehicle or electricity production device with an internal combustion engine or fuel cell.

(j) “Hydrogen fueling station” means a facility that dispenses hydrogen fuel for the purposes of fueling hydrogen-based motor vehicles.

(k) “Hydrogen plant” means an industrial gas manufacturing facility (NAICS Code 325120) that produces on-purpose hydrogen.

(l) “Hydrogen producer” means a company as defined in Section 25321 (b), Public Resources Code that operates a major hydrogen plant.

(m) “Latitude” means the angular distance of a location north or south of the equator and formatted as degrees to six decimal places, e.g. 38.538039.

(n) “Level 1” (L1) EVSE means an EVSE with a single-phase input voltage nominally 120-volt alternating current (AC) and maximum output current less than or equal to 16 amperes AC, or up to 1.92 kW of power.

(o) “Level 2” (L2) EVSE means an EVSE with a single-phase input voltage nominally 208 to 240 volts AC and maximum output current less than or equal to 80 amperes AC, or up to 19.2 kW of power.

(p) “Liquid hydrogen” means molecular hydrogen in a liquid state.

(q) “Longitude” means the angular distance of a location east or west of the meridian of Greenwich, England and formatted as degrees to six decimal places, e.g. -121.538039.

(r) “Major hydrogen plant” means a hydrogen plant that produces more than 1,000 kilograms of on-purpose hydrogen during any month of the current or preceding calendar year.

(s) “On-purpose hydrogen” means molecular hydrogen in gaseous or liquid state produced as a result of process or processes dedicated to producing hydrogen (e.g.: steam reforming or electrolysis).

(t) “Pacific Time” or “Time” means the PST or PDT in hour, minute, and second (e.g. HH:MM:SS) format.

(u) “Renewable diesel” means a motor vehicle fuel or fuel additive that is all of the following: registered as a motor vehicle fuel or fuel additive under 40 CFR Part 79; not a mono-alkyl ester; intended for use in engines that are designed to run on conventional diesel fuel; and derived from nonpetroleum renewable resources.

### **§ 1383 Hydrogen Plant Data**

(a) Each major hydrogen producer, defined as a company that operates a major hydrogen plant that is located in California, shall file quarterly reports for the previous calendar quarter on the 15th day of February, May, August, and November. Quarterly reports shall contain the information identified in subdivision (b).

(b) Informational Requirements for Monthly Reports.

(1) Kilograms of on-purpose hydrogen and liquid hydrogen produced each month at the facility.

(2) Inventory levels of on-purpose hydrogen in kilograms at the beginning and end of each month.

(3) The type of chemical feedstock used to produce the hydrogen. Feedstock includes methane and water for steam methane reformation. For hydrogen produced by water electrolysis, feedstock is both water and electricity used.

(4) The amount of feedstock and inputs used to produce the hydrogen.

(5) The amount of on-purpose hydrogen in kilograms distributed to a petroleum refinery.

(6) The amount of on-purpose hydrogen in kilograms distributed to a hydrogen fueling station.

(7) The amount of on-purpose hydrogen in kilograms sold for other purposes besides petroleum refining or hydrogen fueling.

(8) The volume-weighted average price per kilogram of on-purpose hydrogen sold to fueling stations and the Low Carbon Fuel Standard credit price that underlies the sale for that month.

### **§ 1384 Biodiesel and Renewable Diesel Production Data**

(a) The owner or operator of each biodiesel plant, defined as any industrial plant that processes biomass feedstock and produces more than 84,000 gallons of biodiesel during any month of the current or preceding calendar year and that is located in California, and each renewable diesel plant, defined as any industrial plant that

processes feedstock and produces more than 84,000 gallons of renewable diesel during any month of the current or preceding calendar year and is located in California shall file monthly reports containing all of the information specified in subdivision (b) below. Monthly reports are due no later than the 30<sup>th</sup> day following the end of the previous month.

(b) Informational Requirements for Monthly Reports

(1) California Biodiesel Plant Monthly Reports shall contain the following information:

(A) All of the information specified on Forms EIA-819 or EIA-22M published by the United States Department of Energy.

(B) The type and amount of feedstock and/or California Air Resources Board Low Carbon Fuel Standard pathway used to produce biodiesel.

(C) Volumes of biodiesel distributed in gallons, categorized by the level of distribution: direct sale, wholesale, or export outside of California.

(D) A monthly volume-weighted average price per gallon of bio-diesel sold and assumed Low Carbon Fuel Standard credit price that underlies the sale.

(2) California Renewable Diesel Plant Monthly Reports shall contain the following information:

(A) All of the information specified on Form EIA-819 published by the United States Department of Energy.

(B) The type and amount of feedstock and/or California Air Resources Board Low Carbon Fuel Standard pathway used to produce renewable diesel.

(C) Volumes of renewable diesel distributed in gallons, categorized by the level of distribution: direct sale, wholesale, or export outside of California.

(D) The volume-weighted price per gallon of renewable diesel sold and assumed Low Carbon Fuel Standard credit price that underlies the sale.

**§1385 EVSE Station Data Reporting and Criteria**

(a) Information defined in this section shall be submitted quarterly. Reports filed pursuant to this section shall be submitted no later than thirty (30) calendar days following the end of each quarter as defined:

(1) Quarter one reporting will be all of January, February, and March

(2) Quarter two reporting will be all of April, May, June

- (3) Quarter three reporting will be all of July, August, and September
- (4) Quarter four reporting will be all of October, November, and December

(b) This data is related to an electric vehicle charging station profile. For each station operated by the EVSP, report the following information:

- (1) Station Commissioning Date – the date the station is placed into service
- (2) Station Decommissioning Date – the date the station is placed out of service
- (3) Latitude – the physical location of EVSE
- (4) Longitude – the physical location of EVSE
- (5) Station Address – the physical mailing address of the station
- (6) EVSP Station ID – a station identifier used by the EVSP
- (7) EVSP Protocol(s) – communication protocol standard between an EVSP and its EVSE in field
- (8) Days of Week Available for Charging – days of the week the station is available for public charging
- (9) Hours of Day Available for Charging – hours of operation the station is available for public charging
- (10) Payment Method(s) Accepted (e.g. free, network payment, credit card, cash, near-field communication, mobile, etc.)
- (11) Description of Pricing Schedule (e.g. free, flat fee, cost per minute, cost per hour, cost per kWh, or a combination of pricing models)

(c) For each EVSE, report the following information:

- (1) EVSE ID
- (2) EVSE Installation Date – the date the EVSE was placed at a station
- (3) EVSE Removal Date – the date the EVSE was removed from a station
- (4) Supported EVSE to EV Protocol(s) (e.g. ISO 15118, SEP 2.0)
- (5) EVSE Owner

(6) EVSE Manufacturer

(7) EVSE Model

(8) EVSE Serial Number

(9) EVSE Type (e.g. Level 1, Level 2, DCFC, wireless transmitter, or combination of types)

(10) Total Active Port(s) – how many ports can simultaneously provide power to an EV

(A) Total active Level 1 conductive ports

(B) Total active Level 2 conductive ports

(C) Total active DCFC conductive ports

(D) Total active Level 1 wireless transmitters

(E) Total active Level 2 wireless transmitters

(F) Total active High-power wireless transmitters

(d) For each port, report the following information:

(1) EVSE Port ID – unique identifier of the port associated with the EVSE at the charging station

(2) Level 1 Conductive Port(s) or Wireless Transmitter(s) Standard (e.g. NEMA 5-20R, J-1772, Tesla, wireless coil, etc.)

(A) Level 1 Output Voltage (VAC) Range

(B) Level 1 Max Output Current (Amps)

(C) Level 1 Max Output Power (kW)

(3) Level 2 Conductive Port(s) or Wireless Transmitter(s) Standard (e.g. J-1772, Tesla, wireless coil, etc.)

(A) Level 2 Output Voltage (VAC) Range

(B) Level 2 Max Output Current (Amps)

(C) Level 2 Max Output Power (kW)

(4) DCFC Port(s) Standard (e.g. CCS v.1 Combo 1, CCS v.2 Combo1, CHAdeMO, Tesla, etc.)

(A) DCFC Output Voltage (VDC) Range

(B) DCFC Max Output Current (Amps)

(C) DCFC Max Output Power (kW)

(5) Higher-Power Wireless Transmitter(s) Standard

(A) Transmitter Output Voltage (VAC) Range

(B) Transmitter Max Output Current (Amps)

(C) Transmitter Max Output Power (kW)

#### **§1386 EVSE Session Data Reporting and Criteria**

(a) Information defined in this section shall be submitted quarterly. Reports filed pursuant to this section shall be submitted no later than thirty (30) calendar days following the end of each quarter as defined:

(1) Quarter one reporting will be all of January, February, and March

(2) Quarter two reporting will be all of April, May, June

(3) Quarter three reporting will be all of July, August, and September

(4) Quarter four reporting will be all of October, November, and December

(b) This “dynamic” data is related to charging sessions for each EVSE. For each charging session, report the following information:

(1) EVSP Station ID – a station identifier used by the EVSP

(2) EVSE ID

(3) EVSE Port ID – unique identifier of the port associated with the EVSE at the charging station for the port or transmitter

(4) Session: Start Date and Start Time

(5) Session: End Date and End Time

- (6) Port Standard Used (e.g. J-1772, CCS1 Combo, CCS2 Combo, CHAdeMO, Tesla, wireless, etc.)
- (7) Duration of Charging: Start Date and Start Time
- (8) Duration of Charging: End Date and End Time
- (9) Sustained Peak Power (kW) Output – The highest power output provided to the EV during the charging session
- (10) Total Energy Discharged (kWh) by EVSE – Total energy that passed through from the EVSE into the EV
- (11) Payment Method Used (e.g. cash, credit card, subscription, mobile payment, etc.)
- (12) Session Price Paid (US dollars) – Total price that the user paid for the session
- (13) Total Energy (kWh) Discharged by EV – Energy transferred from EV battery to EVSE for V2X services

**§1387 Form and Format of Reports.**

The Executive Director of the CEC may specify the format for the various reports required by this article. The Executive Director of the CEC may additionally provide forms or other instructions to facilitate the filing or analysis of the information required by this article. The Executive Director of the CEC shall provide thirty days notice prior to specifying or modifying any form or format.