

California Air Resources Board

Combined Heat and Power (CHP) Systems Survey

INSTRUCTIONS

Below are instructions to assist in filling out all the forms in the Combined Heat and Power (CHP) Systems Survey, the Utility Information Form, and CHP System Information Form. Please complete one Utility Information Form to be submitted with your survey package and one CHP System Information Form for each CHP system within your service territory. Please complete and return the survey in either a hard-copy or electronic format via any of the addresses provided on the Utility Information Form.

UTILITY INFORMATION FORM

General Information

Utility Name. Provide the legal name of the utility completing the survey.

Contact Name. Provide the name of a person at the utility you would like ARB staff to contact if we have follow-up questions.

Contact Title. Provide the job title of the contact person at the utility.

Contact Telephone. Provide a telephone number for the contact person at the utility.

Contact Mailing Address. Provide a full mailing address (street address or P.O. Box, city, state and zip code) for the contact person at the utility.

Contact E-mail. Provide an e-mail address for the contact person at the utility.

Certification. By signing you are certifying that the information provided in the survey is true and correct to the best of your knowledge and ability. The top two lines are for the signatory's printed name and job title. The bottom two lines are for the signature and the date the document was signed.

CHP SYSTEM INFORMATION FORM

Please provide information for each CHP system that was interconnected within your utility's service territory in California at any time from 2000 through 2010, regardless of size.

Utility Name. Provide the name of the utility completing the survey.

CHP Facility Name. Provide the name of the facility where the CHP system is located.

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System ID. Provide a term or number that uniquely identifies the CHP system at the facility. This information will be used solely to distinguish between systems at the facility if ARB staff has a need to contact either the facility or utility to obtain more information.

CHP Location Address. Provide the full street location address (street address, city, and zip code) for the CHP facility. If no street address is available, please provide the latitude and longitude, parcel number, or the nearest cross streets and the relative position thereto.

CHP Contact Person and Job Title. Provide the name and job title of a person at the CHP facility you would like ARB staff to contact if we have follow-up questions.

CHP Contact Phone Number. Provide a phone number for the contact person at the CHP facility.

CHP Contact E-mail Address. Provide an e-mail address for the contact person at the CHP facility.

CHP System Fuel Type(s) and Percentage(s). Identify the fuel type(s) and typical percentage of each fuel used based on the higher heating value (HHV) of total fuel consumed, if more than one fuel is used, in the CHP system. Examples include: (1) natural gas, (2) 15% biomass and 85% coal, and (3) digester gas (55%) and natural gas (45%).

CHP System Generator Type. Identify the CHP system generator type (e.g., turbine, microturbine, reciprocating engine, fuel cell, etc.).

CHP System Capacity. Provide the nameplate capacity of the facility's generation capabilities in terms of megawatts (MW). All facilities regardless of size are to be reported. CHP facilities with capacities less than 1 MW are to be reported as a fraction of a MW. For example, a facility that has a capacity of 85 kW should be reported as 0.85 MW.

Date Interconnected and Disconnected. Provide the date the CHP system was originally interconnected with the electrical grid in a MM/DD/YYYY format. If the system was disconnected from the grid between 2000 and 2010, provide the disconnection date using the MM/DD/YYYY format. Use the box labeled with an "I" for the original interconnection date and the box labeled with a "D" for the disconnection date.

AB 1613 Interconnection? Circle "yes" or "no" to indicate whether or not the original interconnection of this CHP system with the grid was intended to be in compliance with requirements that were or are to be developed pursuant to AB 1613.

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Disconnection explanation. If the CHP system was disconnected during 2000 through 2010, please use the space provided to briefly explain the reason why the CHP system was disconnected.

Electricity produced (MWh). Identify the total number of megawatt-hours (MWh) of electricity produced by the CHP system for each year from 2000 through 2010. If this information is unavailable please put "N/A."

Electricity put onto grid (MWh). Identify the number of megawatt-hours (MWh) of electricity exported onto the electrical grid from the CHP system for each year from 2000 through 2010 (i.e. sold to utility).

Hours curtailed by utility. Identify the number of hours this CHP system operations were completely curtailed for each year from 2000 through 2010 due to grid instability or emergency situations as determined by the utility.

Fuel usage. Identify the amount of fuel input into the CHP system in units in millions of British thermal units (Btu) per year (MMBtu/year). If this information is unavailable please put "N/A."

Waste heat used. Identify the waste heat used for a useful thermal purpose on an annual basis from the CHP system in units of MMBtu/year. If this information is unavailable please put "N/A."