

State of California
AIR RESOURCES BOARD
Executive Order DG-049 (August 2023)
Distributed Generation Certification of
Capstone Turbine Corporation
C200S Natural Gas CARB Microturbine

WHEREAS, the Air Resources Board (ARB) was given the authority under California Health and Safety Code section 41514.9 to establish a statewide Distributed Generation (DG) Certification Program to certify electrical generation technologies that are exempt from the permit requirements of air pollution control or air quality management districts;

WHEREAS, this DG Certification does not constitute an air pollution permit or eliminate the responsibility of the end user to comply with all federal, state, and local laws, rules, and regulations;

WHEREAS, on June 6, 2011, Capstone Energy Corporation applied for a DG Certification of its 200 kW C200 ICHP Microturbine and whose application was deemed complete on September 1, 2011;

WHEREAS, on September 21, 2011, Capstone Energy Corporation was issued a DG certificate DG-035, for its 200 kW C200 ICHP Microturbine;

WHEREAS, on February 20, 2018, Capstone Energy Corporation applied for a DG Recertification of its 200 kW C200 ICHP Microturbine renamed to C200S Natural Gas CARB Microturbine and whose application was deemed complete on March 21, 2018;

WHEREAS, on June 22, 2018, Capstone Energy Corporation was issued a DG certificate DG-049, for its 200 kW C200S Natural Gas CARB Microturbine;

WHEREAS, on May 4, 2023, Capstone Energy Corporation applied for a DG recertification of its 200 kW C200S Natural Gas CARB Microturbine and whose application was deemed complete on June 22, 2023;

WHEREAS, the C200S Natural Gas CARB Microturbine is manufactured and sold with integrated combined heat and power technology;

WHEREAS, Capstone Turbine Corporation has demonstrated that the C200S Natural Gas CARB Microturbine complies with the minimum efficiency requirement in title 17, California Code of Regulations (CCR), section 94203(b);

WHEREAS, title 17, CCR, section 94203(b) allows for an energy credit at the rate of one megawatt-hour for each 3.4 million British thermal units of heat recovered to be used when calculating emission rates;

WHEREAS, Capstone Turbine Corporation has demonstrated, according to test methods specified in title 17, CCR, section 94207, that its natural-gas-fueled C200S Natural Gas CARB Microturbine has complied with the following emission standards:

1. Emissions of oxides of nitrogen no greater than 0.07 pounds per megawatt-hour;
2. Emissions of carbon monoxide no greater than 0.10 pounds per megawatt-hour; and
3. Emissions of volatile organic compounds no greater than 0.02 pounds per megawatt hour.

WHEREAS, Capstone Turbine Corporation has demonstrated that its C200S Natural Gas CARB Microturbine complies with the emission durability requirements in title 17, CCR, section 94203(d);

WHEREAS, I find that the Applicant, Capstone Turbine Corporation, has met the requirements specified in article 3, title 17, CCR, and has satisfactorily demonstrated that the C200S Natural Gas CARB Microturbine meets the DG Certification Regulation 2007 Fossil Fuel Emission Standards;

NOW, THEREFORE, IT IS HEREBY ORDERED, that a DG Recertification, Executive Order DG-049 is granted.

This DG Certification:

1. Is subject to all conditions and requirements of CARB's DG Certification Program, article 3, title 17, CCR, including the provisions relating to inspection, denial, suspension, and revocation.
2. Shall be void if any manufacturer's modification results in an increase in emissions or changes the efficiency or operating conditions of a model, such that the model no longer meets the DG Certification Regulation 2007 Fossil Fuel Emission Standards.
3. Shall expire on the 30 day of Aug, 2028.

Executed at Sacramento, California, this 30 day of Aug, 2023.



Heather Quiros, Chief
Enforcement Division