

**State of California
AIR RESOURCES BOARD**

Executive Order DG-018

**Distributed Generation Certification of
Capstone Turbine Corporation
C65 Natural Gas CARB MicroTurbine**

WHEREAS, the California Air Resources Board (CARB) 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 September 12, 2007, Capstone Turbine Corporation applied for a DG Certification of its 65 kW, C65-ICHP Microturbine and whose application was deemed complete on October 4, 2007;

WHEREAS, Capstone Turbine Corporation was issued DG Certificate DG-018 on October 12, 2007, for its C65-ICHP Microturbine;

WHEREAS, on October 22, 2012, Capstone Turbine Corporation requested an extension of the certification of the C65-ICHP Microturbine, wherein it was noted that no material changes to model form, fit, or function have been made;

WHEREAS, in the renewal application package, Capstone Turbine Corporation requested a modification to DG Certificate DG-018 to change the model name from C65-ICHP Microturbine to C65 Natural Gas CARB MicroTurbine;

WHEREAS, Capstone Turbine Corporation was reissued DG Certificate DG-018 on November 5, 2012, for its C65 Natural Gas CARB MicroTurbine;

WHEREAS, on October 24, 2017, Capstone Turbine Corporation requested an extension of the certification of the C65 Natural Gas CARB MicroTurbine, wherein it was noted that no material changes to model form, fit, or function have been made;

WHEREAS, the C65 Natural Gas CARB MicroTurbine is manufactured and sold with integrated combined heat and power technology;

WHEREAS, Capstone Turbine Corporation has demonstrated that the C65 Natural Gas CARB MicroTurbine complies with the minimum efficiency requirement in section 94203 (b);

WHEREAS, 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, California Code of Regulations (CCR), section 94207, that its natural-gas-fueled C65 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 C65 Natural Gas CARB MicroTurbine complies with the emissions durability requirements in title 17, CCR, sections 94203 (d); and

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 C65 Natural Gas CARB MicroTurbine meets the fossil fuel 2007 DG Certification emission standards.

NOW THEREFORE, IT IS HEREBY ORDERED, that the DG Certification, Executive Order DG-018, originally executed at Sacramento, California on October 12, 2007, is hereby extended.

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 2007 DG Certification emission standards.

- 3) Shall be void if the unit is manufactured or sold without the combined heat and power system integrated.
- 4) Shall be void if any manufacturer modification results in the model no longer meeting the minimum efficiency requirements in section 94203 (b).
- 5) Shall expire on the 12th day of October, 2022.

Executed at Sacramento, California, this 22 day of November 2017.

/S/

Floyd V. Vergara, Esq., P.E.
Chief, Industrial Strategies Division