

State of California
Air Resources Board
Executive Order DG-047 (March 2023)
Distributed Generation Certification of
HyAxiom, Inc.
460 kW PureCell Model 400

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, CARB adopted the DG Certification Regulation in California Code of Regulations (CCR), title 17, article 3, sections 94200 to 94214;

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 October 26, 2017, Doosan Fuel Cell America, Inc. applied for a DG Certification of its 460 kW PureCell Model 400 fuel cell power plant and whose application was deemed complete on February 7, 2018;

Whereas, Doosan Fuel Cell America, Inc. was issued DG Certificate DG-047 on April 6, 2018, for its 460 kW PureCell Model 400 fuel cell power plant;

Whereas, on November 3, 2022, HyAxiom, Inc. requested an extension of the certification of the 460 kW PureCell Model 400 fuel cell power plant and whose application was deemed complete on January 26, 2023;

Whereas, within the request for extension of the certification, HyAxiom, Inc. indicated that the company name had changed from Doosan Fuel Cell America, Inc. to HyAxiom, Inc.;

Whereas, within the request for extension of the certification, it was noted the updated design incorporates modifications to the fuel processing system and cell stack assemblies, resulting in a more efficient power plant, while the other major system processes and strategies are unchanged and no other material changes to model form, fit, or function where noted;

Whereas, HyAxiom, Inc. has demonstrated that the 460 kW PureCell Model 400 fuel cell power plant complies with the minimum efficiency requirement in section 94203 (b);

Whereas, HyAxiom, Inc. has demonstrated, according to test methods specified in CCR, title 17, article 3, section 94207, that its natural-gas-fueled 460 kW

PureCell Model 400 fuel cell power plant complies with the following emission standards:

1. Emissions of oxides of nitrogen no greater than 0.07 pounds per megawatt-hour; and
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, HyAxiom, Inc. has demonstrated that its 460 kW PureCell Model 400 fuel cell power plant complies with the emissions durability requirements in CCR, title 17, article 3, section 94203 (d); and

Whereas, I find that the applicant, HyAxiom, Inc., has met the requirements specified in CCR, title 17, article 3, and has satisfactorily demonstrated that the 460 kW PureCell Model 400 fuel cell power plant meets the DG Certification Regulation's 2007 Fossil Fuel Emission Standards in CCR, title 17, section 94203 (b);

Now therefore, it is hereby ordered, that the DG Certification, Executive Order DG-047, originally executed at Sacramento, California on April 6, 2018, is hereby extended.

This DG Certification:

- 1) Is subject to all conditions and requirements of CARB's DG Certification Program, CCR, title 17, article 3, including the provisions relating to inspection, denial, suspension, and revocation.
- 2) Shall be void if any manufacturer modification results in the model no longer meeting the minimum efficiency requirements in section 94203 (b).
- 3) 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.
- 4) Shall expire on the 5th day of April 2028.

Executed at Sacramento, California, this 21st day of March 2023.



Matthew Botill
Chief, Industrial Strategies Division