State of California
AIR RESOURCES BOARD
Executive Order DG-025-A
Distributed Generation Certification of
Carrier PureComfort® System Model 390MC

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 February 21, 2008, UTC Power Corporation applied for a DG Certification of its 390 kW 390MC PureComfort® System and whose application was deemed complete on March 11, 2008;

WHEREAS, UTC Power Corporation was granted the DG Certification Executive Order DG-025 on June 10, 2008, for its 390 kW, 390MC PureComfort® System;

WHEREAS, the 390MC PureComfort® System is manufactured and sold with integrated combined heat and power technology, a 200 ton absorption chiller with a coefficient of performance of 1.25;

WHEREAS, UTC Power Corporation has demonstrated that the 390MC PureComfort® System 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, the energy credit applied to the 390MC PureComfort® System was determined to be 0.56 megawatt-hours;

WHEREAS, UTC Power Corporation has demonstrated, according to test methods specified in Title 17, California Code of Regulations (CCR), Section 94207, that its natural-gas-fueled 390MC PureComfort® System 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, UTC Power Corporation has demonstrated that its 390MC PureComfort® System complies with the emission durability requirements in Title 17, CCR, Section 94203 (d);

WHEREAS, UTC Power Corporation transferred the ownership of the 390MC PureComfort® System to its subsidiary Carrier Corporation, wherein it was noted that no material changes to model form, fit, or function were made;

WHEREAS, on October 30, 2014 Carrier Corporation applied for recertification of DG Certificate DG-025 and to reflect the ownership change;

WHEREAS, I find that the Applicant, Carrier Corporation, has met the requirements specified in Article 3, Title 17, CCR, and has satisfactorily demonstrated that the 390MC PureComfort® System meets the fossil fuel 2007 DG Certification emission standards.

NOW, THEREFORE, IT IS HEREBY ORDERED that DG Certification, Executive Order DG-025-A, is granted to Carrier Corporation and supersedes Executive Order DG-025.

This DG Certification:

1) is subject to all conditions and requirements of the ARB'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); and,

5) shall expire on the 10th day of June, 2018.

Executed at Sacramento, California, this 3rd day of November 2015,

Richard W. Corey
Executive Officer