## State of California AIR RESOURCES BOARD

## EXECUTIVE ORDER A-338-001 Relating to Certification of New Heavy-Duty Engines and Vehicles

## CAPSTONE TURBINE CORPORATION

Pursuant to the authority vested in the Air Resources Board at Sections 43100, 43101, and 43102 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned at Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-45-9;

IT IS ORDERED AND RESOLVED: That the following turbine engines produced by the manufacturer are certified for use in motor vehicles with a manufacturer's gross vehicle weight rating (GVWR) over 14,000 pounds:

Model Year: 2001

Fuel Type: Compressed Natural Gas (CNG)

Displacement Exhaust Emission Control

Liters Cubic Inches Systems and Special Features

1CSTH540.CNG
(330 HEV-CNG)

Displacement Exhaust Emission Control

Systems and Special Features

Exhaust Emission Control

Systems and Special Features

Recuperation

Engine models and codes are listed on attachments.

BE IT ORDERED AND RESOLVED: That the following are the certification exhaust emission standards for this engine family in grams per brake horsepower-hour under a modified Federal Test Procedure ("FTP") for Heavy-Duty Diesel Engines (Title 13, California Code of Regulations, Section 1956.8):

Non-Methane Carbon Nitrogen
Hydrocarbons Monoxide Oxides Particulate Matter
"FTP" 1.2 15.5 0.5 0.05

BE IT FURTHER RESOLVED: That the following are the certification exhaust emission values for this engine family in grams per brake horsepower-hour:

Non-Methane Carbon Nitrogen
Hydrocarbons Monoxide Oxides Particulate Matter
"FTP" 0.4 0.3 0.004

BE IT FURTHER RESOLVED: That the listed engine models are certified for use in urban buses.

BE IT FURTHER RESOLVED: That the listed engine models are certified to the optional lower-emission NOx standard pursuant to Title 13, California Code of Regulations, Section 1956.8(a)(1).

BE IT FURTHER RESOLVED: That for the listed engine models, the manufacturer has submitted the materials to demonstrate certification compliance with the Board's emission control system warranty provisions (Title 13, California Code of Regulations, Sections 2035 *et seq.*).

Engines certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this order and attachments.

R. B. Summerfield, Chief

Mobile Source Operations Division

A-338-1

ATTACHMENT

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Model	
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ne Corporation				
Capstone Turbine Corporation	Urban Bus	1CSTH540.CNG	330 HEV - CNG	New Submission
Manufacturer:	Engine category.	EPA Engine Family 1CSTH540.CNG	Mfr Family Name: 330 HEV - CNG	Process Code: