

Pursuant to the authority vested in California Air Resources Board by Health and Safety Code Divisions 25.5 and 26, Part 5, Chapter 2; and pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Order G-19-095;

**IT IS ORDERED AND RESOLVED:** The following on-road motor vehicles with a manufacturer's GVWR over 10,000 pounds are certified as described below. Production vehicles shall be in all material respects the same as those for which certification is granted.

**VEHICLE FAMILY INFORMATION:**

Model Year: 2023

Vehicle Family Name: PNVX2VOCVXMM

Vehicle Type: Vocational

Vehicle Service Class: Medium HDV

Vehicle Subcategory: Medium HDV/ Diesel / Multi-Purpose

Gross Vehicle Weight Rating (GVWR) of Vehicles (pounds):  $19,500 < \text{GVWR} \leq 33,000$

**CO<sub>2</sub> FAMILY EMISSION LIMITS:**

CO<sub>2</sub> Standard (g/ton-mile): 265

Highest Projected Family Emission Limit (g/ton-mile): 0

Lowest Projected Family Emission Limit (g/ton-mile): 0

**EMISSION CONTROL SYSTEMS:**

Low rolling resistance tires all (LRR), Low rolling resistance tires drive (LRRD), Low rolling resistance tires steer (LRRS)

**BE IT FURTHER RESOLVED:** The manufacturer has demonstrated certification compliance with the Greenhouse Gas Emission Standards as specified in Title 17 CCR 95663 and the incorporated "California Greenhouse Gas Exhaust Emission Standards and Test Procedures for 2014 and Subsequent Model Heavy-Duty Vehicles" (HDV Test Procedures) adopted October 21, 2014 as last amended September 9, 2021.

**BE IT FURTHER RESOLVED:** The listed vehicle family is certified to the Enhanced Electric and Fuel-Cell Vehicle Certification Procedures in Section 1 in the California provisions of Subpart 1037.615 of the incorporated "California Greenhouse Gas Exhaust Emission Standards and Test Procedures for 2014 and Subsequent Model Heavy-Duty Vehicles" (HDV Test Procedures) adopted October 21, 2014 as last amended September 9, 2021.

**BE IT FURTHER RESOLVED:** For the listed air conditioning platform(s) in the attachment, the manufacturer has demonstrated certification compliance with the AC Leakage Standard specified in 17 CCR 95663(a)(1)(B)7 and Section 1037.115 of the incorporated "California Greenhouse Gas Exhaust Emission Standards and Test Procedures for 2014 and Subsequent Model Heavy-Duty Vehicles" (HDV Test Procedures) adopted October 21, 2014, as last amended September 9, 2021.

**BE IT FURTHER RESOLVED:** For the listed vehicle models, the manufacturer has submitted the materials to demonstrate certification compliance with 13 CCR 1965 (emission control labels), 13 CCR 1978 (complete vehicles) (vehicle refueling emissions standards), and 13 CCR 2035 et seq. (emission control warranty).

**BE IT FURTHER RESOLVED:** The powertrain families that are approved for installation within the vehicle family are listed in the attachment.

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

Executed on this 19<sup>th</sup> day of July 2023.



Robin U. Lang, Chief  
Emissions Certification and Compliance Division

**Vehicle Make and Models:**

<b><u>Vehicle Make</u></b>	<b><u>Models</u></b>	<b><u>Equipped with fuel-fire heater</u></b>
Navistar	IC School Bus (eCE)	No
Navistar	International eMV	No

**Powertrain Families in Vehicle****Family:**

<b><u>Powertrain Family name</u></b>	<b><u>Powertrain Type</u></b>	<b><u>E.O. Number</u></b>
PNVX4ELCPAAA	Battery-Electric	A-004-0628

**A/C Platform Summary:**

<b><u>A/C Platform ID</u></b>	<b><u>Refrigerant Type</u></b>	<b><u>Refrigerant Capacity (g)</u></b>	<b><u>STD (HFC (g/year))</u></b>	<b><u>Leakage Rate (HFC (g/year))</u></b>
35: eMV	R-134a	680	11.0	5.5
36: eBus SWB	R-134a	6124	91.9	29.5
37: eBus LWB	R-134a	5942	89.1	31.2
38: eBus SWB (O2Cool SP)	R-134a	5534	83.0	32.5
39: eBus LWB (O2Cool SP)	R-134a	5670	<b>85.1</b>	34.4
40: eBus SWB (O2Cool HP)	R-134a	5534	83.0	<b>37.6</b>
41: eBus LWB (O2Cool HP)	R-134a	5670	<b>85.1</b>	<b>39.6</b>
42: eBus SWB Trans/Air (Dual AC)	R-134a	3402	51.0	<b>37.8</b>
43: eBus LWB Trans/Air (Dual AC)	R-134a	3946	59.2	<b>40.1</b>
44: eBus SWB Trans/Air (Single AC)	R-134a	3266	49.0	<b>34.2</b>
45: eBus LWB Trans/Air (Single AC)	R-134a	3765	56.5	<b>36.6</b>
<b>46: eMV-Modine Compressor</b>	<b>R-134a</b>	<b>861</b>	<b>12.9</b>	<b>6.4</b>