State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-306-9
Relating to Certification of New Motor Vehicles

SOLECTRIA CORPORATION

Pursuant to the authority vested in the Air Resources Board by the Health and Safety Code, Division 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-45-9;

IT IS ORDERED AND RESOLVED: That the following new pure electric motor vehicles are certified as described below:

Model Year: 2000

Vehicle Type: 8,501-10,000 Pound Test Weight Medium-Duty Vehicle

Emission Standard Category: Zero-Emission Vehicle (ZEV)

Fuel Type: Battery-Stored Electricity

Engine Family: YSLCH0000003

Battery Type: Lead Acid

Vehicle Model: CitiVan

BE IT FURTHER RESOLVED: That the manufacturer is certifying the listed vehicles per Title 13, California Code of Regulations, Sections 1962 (b)(1)(C) and (b)(3) (Small Volume Manufacturers and Implementation Prior to 2003 Model Year).

BE IT FURTHER RESOLVED: That because the listed vehicle models are powered by battery-stored electricity, and the only on-board system consuming any fuel other than electricity is a fuel-fired heating system that is designed and equipped so that it cannot be activated at temperatures above 40 degrees Fahrenheit and has been demonstrated to have zero evaporative emissions under any and all possible operational modes and conditions, the vehicle models qualify as ZEVs according to Title 13, California Code of Regulations, Section 1962 (a); the listed vehicle models also meet the definition of "low-emission motor" vehicle set forth in Health and Safety Code Sections 39037.05 and 43800.

BE IT FURTHER RESOLVED: That no modification may be made to the on-board heating system that would make it operable at temperatures above 40 degrees Fahrenheit, or that would result in evaporative emissions under any possible operational mode or condition.

BE IT FURTHER RESOLVED: That the listed vehicle models qualify for and have been granted 0.070 grams per mile ZEV credits without a ZEV multiplier applicable to extended electric range vehicles pursuant to Title 13, California Code of Regulations, Section 1962 (d).

BE IT FURTHER RESOLVED: That the listed vehicle models shall comply with the "California Motor Vehicle Emission Control and Smog Index Label Specifications" (Title 13, California Code of Regulations, Section 1965) for the aforementioned model year.

BE IT FURTHER RESOLVED: That the listed vehicle models shall be clearly labeled as "low-emission motor vehicles" pursuant to the requirements of Health and Safety Code Section 43802(a).

BE IT FURTHER RESOLVED: That because the vehicles certified by this executive order have no parts that affect emissions for which there is an applicable emission requirement, the manufacturer is not required to provide an emission control system warranty pursuant to Health and Safety Code Section 43205 or Title 13, California Code of Regulations, Sections 2035 et seq.

Quarterly production reports shall be submitted to the Executive Officer no later than 45 days after the end of each quarter.

Vehicles 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.

Executed at El Monte, California this 27th day of September 2000.

R. B. Summerfield, Chief
Mobile Source Operations Division

2000 MODEL-YEAR AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
ZEV-PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM DUTY VEHICLES

Manufacturer Solectria Corporation Engine Family XSLCH0000003
Veh Class(es) PC___ LDT1__ LDT2__ MDV1__ MDV2__ MDV3__ MDV4 √ MDV5__
No. of ZEV Credits per vehicle 1
Fuel Type: Electro chemical Battery √ Fuel Cell___ Capacitor___ Other(specify)_____
Battery Types(s): Lead Acid √ Nickel Cadmium___ SBLA___ Sodium Sulfur___
Sodium Nickel Chloride___ Nickel Metal Hydride___ Lithium Metal Disulfide___
Zinc Air___ Zinc Bromine___ Lithium Polymer___ Other(specify)_____.
Total Battery Weight 2782 lbs Total Battery Volume 37,694 in³ Battery Specific Energy 19.7 Wh/kg
No. of batteries or modules per vehicle 52 Total Battery Voltage 312V
Charger(s): on-board √ off-board____ conductive √ inductive____
Drive Motor(s): AC Induction √ DC Brush____ DC Brushless____
Switched Reluctance____ Other(specify)_____
No. of Drive Motors 1 Rated motor power 70kW @ 3000 rpm Max rpm 10,000
Drive: FWD___ RWD √ 4WD-FT____ 4WD-PT____
Regenerative Braking: No____ Yes √ FW___ RW √ AW____
Driver Controller Regen Braking: Yes √ No____ Coast Regen Braking: Yes √ No____
Air Conditioning: Yes___ No √
Fuel Fired Heater: Fuel Type: Gas____ Diesel √ CNG____ LNG____
LPG____ Other(specify)_____ Rated Heat Power 5 kW

Vehicle Models (If coded see attachment)	Trans. type M5, A4 (if applicable)	GVWR	Curb Weight	ETW or Test Weight	DPA or RLHP
CitiVan	auto/1spd	11,000 lbs	8580 lbs	9790 lbs	lbf

RLHP lbf = $-0.82 + 4.45V + 0.02V^2$

Date Issued:

Revisions: