

November 30, 2011

New Jersey Department of Environmental Protection

Division of Environmental Regulation

Air Quality Management

Notice of Motor Vehicles that Qualify as Zero Emission Vehicles (ZEVs) for the 2006,
2007, 2008, 2009, 2010, 2011 & 2012 Model Years

Manufacturer	2012 Model	Engine Displ (Liters)	Fuel	Engine Family	Credit
Daimler AG	Mercedes Benz F-Cell	NA	Fuel cell consuming on-board stored hydrogen	CMBXV00.0FC1	Type IV
CODA Automotive	CODA	NA	Lithium ion battery	CCDAV00.01UA	Type II
Nissan	Leaf SL, LEAF SV	NA	Lithium ion battery	CNSXV0000LLA	Type II
Azure Dynamics Inc	Azure Dynamics Transit Connect Electric	NA	Lithium ion battery	CAZDT00.000	Type 1.5
Mitsubishi Motors Corporation	Mitsubishi i-Miev	NA	Lithium ion battery	CMTXV00.0EWB	Type 1.5
ACG, INC.	ACG: T Sport	NA	Lead-acid battery	CACG000.0NEV	NEV (PC)

Columbia Parcar	Columbia Parcar: SM2, SM4, SUV-SN, SUV-LN, NEV2	NA	Lead-acid battery	CCPC000.0 SRD	NEV
Columbia Parcar	Columbia Parcar: SM2, SM4, SUV-SN, SUV-LN, NEV2	NA	Lithium ion battery	CCPC000.0 SRD	NEV
Columbia Parcar	Columbia Parcar: MG1	NA	Lead-acid battery	CCPC000.0 AFD	NEV
Columbia Parcar	Columbia Parcar: MG1	NA	Lithium ion battery	CCPC000.0 AFD	NEV
E-Z-Go Division of Textron, Inc	EZGO- 2FIVE	NA	Lead-acid battery	CEZG00.00 A02	NEV
E-Z-Go Division of Textron, Inc	EZGO- 2FIVE CUSHMAN: LSV 800	NA	Lead-acid battery	CEZG00.00 A02	NEV
Polaris Industries Inc	Polaris: EV LSV	NA	Lead-acid battery	CP0L00000 003	NEV (LDT)
Polaris Industries Inc	GEM: e2, e4, eS, eL, eL -XD	NA	Lead-acid battery	CP0L00000 002	NEV+
Polaris Industries Inc	GEM: e6	NA	Lead-acid battery	CP0L00000 002	NEV

Taylor-Dunn Manufacturing Company	Trident: LSV T2, LSV T2XL	NA	Lead-acid battery	CTYD000.0010	NEV
Tomberlin Automotive Group	Tomberlin: AVL, E-Motion, E-Merge: E2, E2LE, E4, E4LE, Encompass, 48SS, Lily Pulitzer E-Merge, Shelby GT-500, Vanish	NA	Lead-acid battery	CTMB000.0 ZEV	NEV

Manufacturer	2011 Model	Engine Displ (Liters)	Fuel	Engine Family	Credit
Honda	FCX Clarity	NA	FCH2, Fuel Cell consuming on-board hydrogen	BHNXV00.0AET	Type V
Toyota	Toyota FCHV-adv	NA	FCH2, Fuel Cell consuming on-board hydrogen	BTYX00.0DA7	Type V

Daimler AG	Mercedes Benz F-Cell	NA	Fuel cell consuming on-board stored hydrogen	BMBXV00.0FC1	Type IV
Tesla Motors Inc.	Tesla: Type 001; Roadster	NA	Lithium ion battery	BTSLV00.0M6X	Type III
BMW	1 series Active E	NA	Lithium ion battery	BBMXV00.OE82	Type II
Nissan	Leaf	NA	Lithium ion battery	BNSXV0000LLA	Type II
Think North America Inc	Think City	NA	Lithium ion battery	BTHKV00.00SL	Type II
Azure Dynamics Inc	Azure Dynamics Transit Connect Electric	NA	Lithium ion battery	BAZDT00.000	Type 1.5
Daimler AG	Smart: FORTWO Cabriolet; FORTWO ED Coupe	NA	Lithium ion battery	BMBXV00.0ED1	Type 1.5
Wheego Electric Cars, Inc.	2011 Wheego LiFe	NA	Lithium ion battery	BWHE000.0115	Type 1.5
Club Car Inc.	Carryall 2 LSV (EB11); Carryall 6 LSV (JB11)	NA	Lead-acid battery	BIRC00000001	NEV
Club Car Inc.	Villager 2 LSV (VR11) Villager 2+2	NA	Lead-acid battery	BIRC00000002	NEV

	LSV (VS11)				
Columbia Parcar	Columbia Parcar: MG1	NA	Lead- acid battery	BCPC000.0 AFD	NEV
Columbia Parcar	Columbia Parcar: MG1	NA	Lithium ion battery	BCPC000.0 AFD	NEV
Columbia Parcar	Columbia Parcar: SM2, SM4, SUV, NEV2	NA	Lead- acid battery	BCPC000.0 SRD	NEV
Columbia Parcar	Columbia Parcar: SM2, SM4, SUV, NEV2	NA	Lithium ion battery	BCPC000.0 SRD	NEV
CT&T America	e-Zone c-Zone NEV	NA	Lead- acid battery	BCTT000.0 N48	NEV(PC)
CT&T America	e-Zone c-Zone NEV	NA	Lead- acid battery	BCTT000.0 N48	NEV(LDT)
Electric Vehicles International, Inc.	EVI: EMEGA	NA	Lithium ion battery	BEV100000 EMG	NEV
E-SUV LLC, DBA E-Ride	E-Ride EXV2 E-Ride EXV4	NA	Lead- acid	BESV000.0 317	NEV

Industries			battery		
E-Z-Go Division of Textron, Inc	EZGO- 2FIVE	NA	Lead- acid battery	BEZG00.00 A02	NEV
Garia A/S	The Garia LSV – 2011	NA	Lead- acid battery	BGRA00.00 0D1	NEV
Polaris Industries Inc	Polaris: EV LSV	NA	Lead- acid battery	BP0L00000 003	NEV (LDT)
Polaris Industries Inc	Polaris: Breeze SL	NA	Lead- acid battery	BP0L00000 001	NEV (PC)
Polaris Industries Inc	GEM: e2, e4, eS, eL, eL –XD	NA	Lead- acid battery	BP0L00000 002	NEV+
Polaris Industries Inc	GEM: e6	NA	Lead- acid battery	BP0L00000 002	NEV
Taylor-Dunn Manufacturing Company	Trident: LSV T2, LSV T2XL	NA	Lead- acid battery	BTYD000.0 010	NEV
Tomberlin Automotive Group	Tomberlin: AVL, E- Motion, E- Merge: E2, E2LE, E4, E4LE, Encompass, 48SS, Lily Pulitzer E- Merge, Shelby	NA	Lead- acid battery	BTMB000.0 ZEV	NEV

	GT-500, Vanish				
Vantage Vehicle International, Inc	EVC1000; EVX1000	NA	Lead- acid battery	BVV10000 072V	NEV+(LDT)
Vantage Vehicle International, Inc	EVP1000; EVR1000	NA	Lead- acid battery	BVV10000 072V	NEV (LDT)

Manufacturer	2010 Model	Engine Displ (Liters)	Fuel	Engine Family	Credit
Honda	FCX Clarity	NA	FCH2, Fuel Cell consumin g on- board hydrogen	AHNXV00. 0AET	Type V
Toyota	Toyota FCHV- adv	NA	FCHV, Fuel Cell consumin g on- board hydrogen	ATYXT00. 0DA7	Type V Fuel Cell
Tesla Motors	Type 001	NA	lithium	ATSLV00.0	Type III

Inc.			ion battery	M6X	
Club Car Inc.	Carryall 2 LSV (EB10); Carryall 6 LSV (JB10)	NA	Lead- acid battery	AIRC00000 001	NEV
Club Car Inc.	Villager 2 LSV VR10; Villager 2+2 LSV VS10	NA	Lead- acid battery	AIRC00000 002	NEV
Columbia Parcar	Columbia Parcar: MG1	NA	Lead- acid battery	ACPC000.0 AFD	NEV
Columbia Parcar	Columbia Parcar: SM2, SM4, SUV, NEV2	NA	Lead- acid battery	ACPC000.0 SRD	NEV
CT&T America	e-Zone c-Zone NEV	NA	Lead- acid battery	ACTT000.0 N48	NEV(PC)
CT&T America	e-Zone c-Zone NEV	NA	Lead- acid battery	ACTT000.0 N48	NEV(LDT)
Electric Vehicles International, Inc.	EVI: EMEGA	NA	Lithium ion battery	AEV100000 EMG	NEV
E-Z-Go	EZGO- 2FIVE	NA	Lead-	AEZG00.00	NEV

Division of Textron, Inc			acid battery	A02	
Fairplay Electric Cars, LLC	Fairplay Delux NEV	NA	Lead- acid battery	AFP000.48 A	NEV
Fairplay Electric Cars, LLC	Fairplay Eco NEV	NA	Lead- acid battery	AFP000.48 A	NEV
Global Electric Motorcars LLC	e2, e4, eS, eL, eL-XD	NA	Lead- acid battery	AGEM0000 0001	NEV+
Global Electric Motorcars LLC	e6	NA	Lead- acid battery	AGEM0000 0001	NEV
Tomberlin Automotive Group	Tomberlin: AVL, E- Motion, E- Merge E2, E- Merge E2 LE, E-Merge E4, E- Merge E4 LE, E-Merge Encompass, E-	NA	Lead- acid battery	ATMB000. 0ZEV	NEV

	Merge Encompass, E- Merge Encompass, E- Merge 48SS, Lilly Pulitzer E- Merge, Shelby GT-500, Vanish				
Vantage Vehicle International, Inc	EVX1000; EVC1000; EVP1000; EVR1000	NA	Lead- acid battery	AVV10000 072V	NEV
Wheego Electric Cars, Inc.	Wheego: Whip	NA	Lead- acid battery	AWHE000. 0E96	NEV
ZENN Motor Company	ZENN: 2010ZENN	NA	Lead- acid battery	AZNMV00 00003	NEV

<u>Manufacturer</u>	<u>2009 Model</u>	<u>Engine Displ (Liters)</u>	<u>Fuel</u>	<u>Engine Family</u>	<u>Credit</u>
Honda	Clarity FCX	NA	FCH2	9HNXV00. 0AET	Type III

Toyota	Toyota FCHV-adv	NA	FCHV, Fuel Cell consuming on-board hydrogen	9TYXT00.0 DA7	Type V
Tesla Motors Inc.	Tesla: Type 001	NA	Li+-lithium ion battery	9TSLV00.0 M6X	Type III Electric
Tesla Motors Inc.	Tesla: Type 001	NA	Li+-lithium ion battery	9TSLV00.0 56C	Type III Electric
Tesla Motors Inc.	Tesla Type 001	NA	lithium ion battery	9TSLV00.0 56C	Type II Electric
ACG, INC.	California Roadster	NA	Lead-acid battery	9ACGV00.0 NEV	NEV
Club Car Inc.	Carryall 2 LSV (EB09)	NA	Electric	9IRC00000 001	NEV
Club Car Inc.	Carryall 6 LSV (EB09)	NA	Electric	9IRC00000 001	NEV
Global Electric Motorcars, LLC (GEM)	e2, e4, e6, eS, eL, eL -XD, e6	NA	Electric	9GEMV000 0001	NEV
Tianjin Qingyuan Electric Vehiles Co., Ltd	MILES ZX40S AD, ZX40ST	NA	Electric	9TQEB00.0 NEV	NEV
ZENN Motor Company	2009 ZENN	NA	lead-acid battery	9ZNMV000 0002	NEV

<u>Manufacturer</u>	<u>2008 Model</u>	<u>Engine Displacement (Liters)</u>	<u>Fuel</u>	<u>Engine Family</u>	<u>Credit</u>
General Motors	Chevrolet Equinox FCH2	NA	FCH2	8GMXT00.0001	Type III

Honda	FCX Clarity	NA	FCH2	8HNV00.06XC	Type III
Bayerische Motoren Werke AG (BMW)	MINI: MINI-E	NA	lithium ion battery	8BMXV00.0BEV	Type II Electric
Tesla Motors Inc.	Tesla Type 001	NA	Li+-lithium ion battery	8TSLV00.056C	Type II Electric
Tesla Motors Inc.	Tesla Type 001	NA	LiP-Lithium polymer battery	8TSLV00.056C	Type II Electric
Global Electric Motorcars, LLC (GEM)	E2, e4, e6, eS, eL, e8	NA	Lead-acid battery	8GEMV0000001	NEV
Tianjin Qingyuan Electric Vehicles Co., Ltd	Miles: ZX40S AD, ZX40ST	NA	Lead-acid battery	8TQEB00.0NEV	NEV
ZENN Motor Company	2008 ZENN	n/a	lead-acid battery	8ZNMV0000002	NEV

<u>Manufacturer</u>	<u>2007 Model</u>	<u>Engine Displacement (Liters)</u>	<u>Fuel</u>	<u>Engine Family</u>	<u>Credit</u>
General Motors	Chevrolet Equinox FCH2	NA	FCH2	7GMXT00.0001	Type III ZEV
Honda	FCX Clarity	NA	FCH2	7HNV00.06XC	Type III
Nissan	FCH2	NA	X-Trail FCV	7NSXV00.09LA	Type III

Toyota	FCHV	NA	FCH2	7TYXT00.0 DA1	Type III
Global Electric Motorcars, LLC (GEM)	e2, e4, e6, eS,,eL, e8	NA	Electric	7GEMV000 0001	ZEV (NEV)
Tianjin Qingyuan Electric Vehicles Co. Ltd	Miles ZX 40, ZX 40S, ZX40SAD	n/a	lead-acid battery	7TQEV00.0 NEV	ZEV (NEV)
ZENN Motor Company	ZENN 2.22: (Basic), ZENN 2.22LX (Luxe)	n/a	lead-acid battery	7ZNMV000 0001	ZEV (NEV)

<u>Manufacturer</u>	<u>2006 Model</u>	<u>Engine Displacement (Liters)</u>	<u>Fuel⁺</u>	<u>Engine Family</u>	<u>Credit</u>
Global Electric Motorcars, LLC (GEM)	e2, e4, e6, eS,,eL,	NA	Electric	6GEMV000 0001	FULL ZEV-TYPE II-BATTERY ELECTRIC EV-NEV*
Honda	FCX	NA	H2	6HNXV00. 0PXC	ZEV
Toyota	FCHV	NA	FCH2	6TYXT00.0 DA1	ZEV
Tianjin Qingyuan	Miles ZX40	NA	lead-acid battery	6TQEV00.0 NEV	ZEV (NEV)

“FCH2”= fuel cell consuming on-board stored hydrogen

LiP= Lithium polymer battery

Li+ =Lithium ion battery

Type V ZEV has a range of equal to or greater than 300 miles, must be capable of replacing 95% maximum rated energy capacity in \leq 15 minutes.

Type IV ZEV has a range of equal to or greater than 200 miles, must be capable of replacing 95% maximum rated energy capacity in \leq 15 minutes.

Type III ZEV has a range of equal to or greater than 100 miles, must be capable of replacing 95% maximum rated energy capacity in \leq 10 minutes, or range of equal to or greater than 200 miles with no fast refueling requirements.

Type II ZEV has a range of equal to or greater than 100 miles.

Type I.5 ZEV has a range of equal to or greater than 75 miles.

Type I ZEV has a range of equal to or greater than 50 miles.

Type 0 ZEV has a range of less than 50 miles.

NEV = Neighborhood Electric Vehicle

NEV+= Neighborhood Electric Vehicle meeting CCR 1962.1(d)(5)(F) specifications and requirements.

Exclusions:

Navistar Type 0 MODEC ZEV, Navistar Type 0 E-Star and Navistar Type 1.5 E-Star are not included in the list as they are Medium Duty Vehicle (MDV). NJ Low Emission Vehicle Program only applies to Passenger Cars and Light Duty Vehicle under 8,500 Ibs GVW.