

Electric & Hybrid Electric Vehicles on MA Statewide Contract

Benefits of Electric & Hybrid Electric Vehicles

Electric and hybrid electric vehicles play a critical role in reducing the environmental impacts of the state fleet and supporting Executive Order 594 and Massachusetts decarbonization goals. In addition, these technologies can reduce maintenance and fuels costs, helping to reduce the lifetime ownership costs of the vehicles.

Three types of vehicle technologies are highlighted in this guide, all of which use some form of battery power, and each contributes to higher fuel efficiency and lower emissions:

Zero emission vehicles (ZEVs)*

	Battery Electric Vehicles (BEVs)	BEVs are fully electric vehicles that rely solely on an onboard battery for power and do not have an internal combustion engine, fuel tank or exhaust. Models have typical driving ranges from 125 to 300 miles although some models can add battery capacity to increase range and newer models are emerging with ranges up to 400 miles.
	Plug-in Hybrid Vehicles (PHEVs)	PHEVs have a smaller onboard battery than BEVs, as well as an internal combustion engine. To support a driver's typical daily travel needs, most PHEVs can travel between 20 and 40 miles on electricity alone and when the battery has been depleted, the gasoline engine turns on and the vehicle operates as a hybrid electric vehicle instead.
	Hybrid Electric Vehicles (HEVs)	HEVs are powered by an internal combustion engine combined with a small electric onboard battery. Under light load, only electricity is consumed. The vehicle is fueled primarily with gasoline to operate the internal combustion engine, and the battery is charged through regenerative braking, not by plugging in.

*ZEVs also include fuel-cell electric vehicles, which run on compressed liquid hydrogen.

Finding Vehicles on MA Statewide Contracts

There are various Massachusetts Statewide Contracts that allow eligible public entities to work with vendors to procure vehicles and related equipment. See the list of applicable contracts below for a primer; additional information can be found using the links to the respective contract user guides.

- [VEH110: Light and Medium Duty Vehicles](#) – Provides users a wide variety of base model choices, as well as a broad range of vehicle applications through upfitting, for vehicles up to 26,000 pounds GVWR; electric and hybrid models are offered in various categories.
- [VEH111: Heavy Duty Vehicles, Road Maintenance and Construction Equipment](#) – Offers users a wide variety of fleet assets over 26,000 pounds GVWR, plus parts and service; alternative fuel assets are available in various categories and contract users should reach out to vendors for details about these offerings.
- [VEH102: Advanced Vehicle Technology Equipment, Supplies and Services](#) – For the purchase of alternative transportation equipment including EV charging stations, idle reduction technologies, and vehicle electrification upfitting; category 3 offers electric and hybrid electric vehicle conversion technologies.
- [FAC116: Lawn and Grounds Equipment, Parts and Services](#) – For equipment that is intended for the maintenance and care of lawns and grounds areas as well as the parts, repair, and leasing for this equipment. Category 3 includes a variety of electric utility vehicles (EUVs) available from various vendors.

The following pages provide information on electric/hybrid electric models available through the statewide contracts listed above, as well as newly released models that may be available on contract soon. Assets are organized by technology type and vehicle category.

Battery-Electric Vehicles

Vehicle Type	Image	Model	Size	Range	MPGe	Drivetrain	Base Price	SWC	
Sedan		CHEVROLET BOLT	Compact/Small	259	120	FWD	\$27,122	VEH110	
				Contract Vendor(s): Dillon Chevrolet					
Sedan		HYUNDAI IONIQ	Compact/Small	259	133	FWD	\$34,202	VEH110	
				Contract Vendor(s): McGovern Hyundai					
CUV/SUV		CHEVROLET BOLT EUV	Crossover/Small	247	115	FWD	\$30,512	VEH110	
				Contract Vendor(s): Dillon Chevrolet					
		FORD MUSTANG MACH-E	Crossover/Small	230-300	93	RWD/AWD	\$30,932	VEH110	
				Contract Vendor(s): Marcotte Ford, Colonial Ford					
		HYUNDAI KONA	Crossover/Small	258	120	FWD	\$35,102	VEH110	
			Contract Vendor(s): McGovern Hyundai						
CUV/SUV		HYUNDAI IONIQ 5	Crossover/Small	275-300	TBD	RWD/AWD	TBD	SWC: Expected on VEH110	
				Contract Vendor(s): TBD					
Pickup Truck		F-150 LIGHTNING	Small/Full	230-300	85	4WD	\$37,795	SWC: VEH110	
			Contract Vendor(s): Marcotte Ford, Colonial Ford						
Passenger Van/Bus		LIGHTNING ELECTRIC TRANSIT 350	Class 3	126	TBD	RWD	Base Price: \$98,890-\$109,890	SWC: VEH102 (Cat 2)	
				Vendor: National Van Builders					
		MICRO BIRD G5	Minibus	100	100	N/A	Base Price: \$314,679	SWC: VEH110	
				Vendor: Anderson Motors					
Passenger Van/Bus		BLUE BIRD BBCV	Full size	120	TBD	N/A	Base Price: Request from vendor	SWC: VEH111	
				Vendor: Anderson Motors					
Passenger Van/Bus		BLUE BIRD T3FE	Full Size	120	TBD	N/A	Base Price: Request from vendor	SWC: VEH111	
				Vendor: Anderson Motors					

Battery-Electric Vehicles

Cargo Van



FORD E-TRANSIT

Size:
Small/Mid/Full

Range:
126

MPGe:
TBD

Drivetrain:
RWD

Base Price:
\$45,459

SWC:
VEH110

Vendor(s): National Van Builders



LIGHTNING ELECTRIC TRANSIT 350

Size:
Class 3

Range:
140-170

MPGe:
TBD

Drivetrain:
RWD

Base Price:
\$98,890-
\$109,890

SWC:
VEH102
(Cat 2)

Vendor(s): National Van Builders



LIGHTNING ELECTRIC E-450 BOX TRUCK

Size:
Class 4

Range:
130-160

MPGe:
TBD

Drivetrain:
RWD

Base Price:
\$108,790-
\$131,890

SWC:
VEH102
(Cat 2)

Vendor(s): National Van Builders



LIGHTNING ELECTRIC F59 STEP VAN

Size:
Class 5 & 6

Range:
80-110

MPGe:
TBD

Drivetrain:
RWD

Base Price:
\$131,890-
\$148,390

SWC:
VEH102
(Cat 2)

Vendor(s): National Van Builders



LIGHTNING ELECTRIC LOW CAB FORWARD

Size:
Class 6

Range:
88-130

MPGe:
TBD

Drivetrain:
RWD

Base Price:
\$178,090-
\$198,890

SWC:
VEH102
(Cat 2)

Vendor(s): National Van Builders

Neighborhood/Utility



CUSHMAN HAULER

Size:
2 person

Range:
N/A

MPGe:
N/A

Drivetrain:
Electric

Base Price:
Request from
vendor

SWC:
FAC116
(Cat 3)

Vendor(s): Five Star Golf Cars



CUSHMAN SHUTTLE

Size:
2-8 person

Range:
N/A

MPGe:
N/A

Drivetrain:
Electric

Base Price:
Request from
vendor

SWC:
FAC116
(Cat 3)

Vendor(s): Five Star Golf Cars



YAMAHA UMAX

Size:
2 person

Range:
N/A

MPGe:
N/A

Drivetrain:
Electric

Base Price:
Request from
vendor

SWC:
FAC116
(Cat 3)

Vendor(s): New England Golf Cars



GREENWORKS UTV

Size:
2 person

Range:
N/A

MPGe:
N/A

Drivetrain:
Electric

Base Price:
Request from
vendor

SWC:
FAC116
(Cat 3)

Vendor(s): The Boston Lawnmower Company



POLARIS GEM

Size:
4-8 person

Range:
10-90

MPGe:
N/A

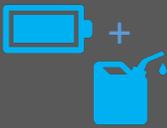
Drivetrain:
Electric

Base Price:
Request from
vendor

SWC:
FAC116
(Cat 3)

Vendor(s): Country Club

Plug-in Hybrid Electric Vehicles



Sedan



HONDA CLARITY

Size: Compact/Small **Range:** 47/340 **MPGe:** 67 **Drivetrain:** FWD **Base Price:** \$33,044 **SWC:** VEH110

Vendor(s): Colonial Imports South



HONDA INSIGHT

Size: Compact/Small **Range:** 89/ **MPGe:** 52 **Drivetrain:** FWD **Base Price:** \$26,584 **SWC:** VEH110

Vendor(s): Colonial Imports South



HYUNDAI IONIQ PLUG-IN

Size: Compact/Small **Range:** 29/620 **MPGe:** 67 **Drivetrain:** FWD **Base Price:** \$27,792 **SWC:** VEH110

Vendor(s): MAG Retail Holdings



TOYOTA PRIUS PRIME

Size: Compact/Small **Range:** 25/640 **MPGe:** 54 **Drivetrain:** FWD **Base Price:** \$25,422 **SWC:** VEH110

Vendor(s): Colonial Imports Corp

CUV/SUV



FORD ESCAPE PHEV

Size: Crossover/Small **Range:** 37/520 **MPGe:** 40 **Drivetrain:** FWD **Base Price:** \$29,785 **SWC:** VEH110

Vendor(s): Marcotte Ford



HONDA CR-V PHEV

Size: Crossover/Small **Range:** 53 **MPGe:** 38 **Drivetrain:** FWD/AWD **Base Price:** \$31,560 **SWC:** VEH110

Vendor(s): Colonial Imports South



HYUNDAI SANTE FE

Size: Mid-size **Range:** 31/440 **MPGe:** 33 **Drivetrain:** FWD/AWD **Base Price:** \$40,432 **SWC:** VEH110

Vendor(s): Vendor(s): MAG Retail Holdings



HYUNDAI TUCSON

Size: Crossover/Small **Range:** 33/420 **MPGe:** 35 **Drivetrain:** FWD/AWD **Base Price:** \$35,992 **SWC:** VEH110

Vendor(s): Vendor(s): MAG Retail Holdings



TOYOTA RAV-4 PRIME

Size: Mid-size **Range:** 42/600 **MPGe:** 38 **Drivetrain:** FWD **Base Price:** \$38,562 **SWC:** VEH110

Vendor(s): Colonial Imports Corp

Minivan



CHRYSLER PACIFICA

Size: Minivan **Range:** 32/520 **MPGe:** 30 **Drivetrain:** FWD **Base Price:** \$42,052 **SWC:** VEH110

Vendor(s): Colonial South Automotive, MAG Retail Holdings

Pickup Truck



XL FLEET F150 PHEV

Size: Small/Full **Range:** N/A **MPGe:** 54 **Drivetrain:** FWD **Base Price:** See pricing **SWC:** VEH102

Vendor(s): XL Fleet

Hybrid Electric Vehicles



Sedan

	TOYOTA PRIUS	Size: Compact/Small	MPG: 56/49	Drivetrain: FWD/AWD	Base Price: \$22,502	Vendor: Colonial Imports Corp	SWC: VEH110
	TOYOTA COROLLA	Size: Compact/Small	MPG: 52	Drivetrain: FWD	Base Price: \$21,882	Vendor: Colonial Imports Corp	SWC: VEH110
	HONDA ACCORD	Size: Mid/Full-Size	MPG: 48	Drivetrain: FWD	Base Price: \$28,011	Vendor:	SWC: VEH110
	TOYOTA AVALON	Size: Mid/Full-Size	MPG: 43/44	Drivetrain: FWD	Base Price: \$32,322	Vendor: Colonial Imports Corp	SWC: VEH110
	TOYOTA CAMRY	Size: Mid/Full-Size	MPG: 46/52	Drivetrain: FWD	Base Price: \$24,882	Vendor: Colonial Imports Corp	SWC: VEH110
	HYUNDAI ELANTRA	Size: Mid/Full-Size	MPG: 50/54	Drivetrain: FWD	Base Price: \$24,722	Vendor: MAG Retail Holdings	SWC: VEH110
	HYUNDAI SONATA	Size: Mid/Full-Size	MPG: 47/52	Drivetrain: FWD	Base Price: \$27,922	Vendor: MAG Retail Holdings	SWC: VEH110

CUV/SUV

	FORD ESCAPE	Size: Crossover/Small	MPG: 41	Drivetrain: FWD	Base Price: \$25,748	Vendor: Marcotte Ford	SWC: VEH110
	FORD EXPLORER	Size: Mid/Full-Size	MPG: 25/27	Drivetrain: RWD/AWD	Base Price: \$36,600	Vendor: Colonial Ford, Marcotte Ford	SWC: VEH110
	HYUNDAI SANTE FE	Size: Mid/Full-Size	MPG: 32/34	Drivetrain: FWD/AWD	Base Price: \$34,912	Vendor: MAG Retail Holdings	SWC: VEH110
	HYUNDAI TUCSON	Size: Crossover/Small	MPG: 38	Drivetrain: FWD/AWD	Base Price: \$30,182	Vendor: MAG Retail Holdings	SWC: VEH110
	TOYOTA HIGHLANDER	Size: Mid/Full-Size	MPG: 35	Drivetrain: FWD/AWD	Base Price: \$36,122	Vendor: Colonial Imports Corp	SWC: VEH110
	TOYOTA RAV-4	Size: Crossover/Small	MPG: 40	Drivetrain: AWD	Base Price: \$28,542	Vendor: Colonial Imports Corp	SWC: VEH110
	TOYOTA VENZA	Size: Mid/Full-Size	MPG: 39	Drivetrain: AWD	Base Price: \$31,922	Vendor: Colonial Imports Corp	SWC: VEH110

Minivan

	TOYOTA SIENNA	Size: Minivan	MPG: 36	Drivetrain: FWD	Base Price: \$31,562	Vendor: Colonial Imports Corp	SWC: VEH110
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Pickup Truck

	FORD MAVERICK	Size: Compact/Small	MPG: 37	Drivetrain: FWD	Base Price: \$19,441	Vendor: Colonial Ford, Marcotte Ford	SWC: VEH110
	XL FLEET F150 HYBRID	Size: Small/Full	MPG: N/A	Drivetrain: FWD	Base Price: See pricing	Vendor: XL Fleet	SWC: VEH102