

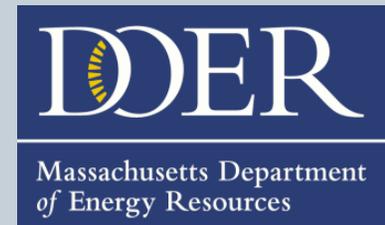
Massachusetts Electric Vehicle Incentive Program



WORKSHOPS

MASSACHUSETTS DEPARTMENT OF
ENVIRONMENTAL PROTECTION

JANUARY 2014



Workshop Overview



- Introductions
- Overview
- Goals of MassEVIP
- Phase I – Awards
- PHASE II
 - Incentives
 - Eligibility Criteria
 - Program Requirements
 - Application Process

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Slide 2

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Do we need to contact for Ph II?

sshah, 1/2/2014

Green Communities Division



The energy hub for all Massachusetts cities and towns- not just designated “Green Communities.”



Outreach - Regional Coordinators



- Regional Coordinators act as direct liaisons with cities and towns on energy efficiency and renewable energy activities
- Located at each of the DEP Regional Offices:



SERO – LAKEVILLE: Seth Pickering
Seth.Pickering@state.ma.us

NERO – WILMINGTON: Joanne Bissetta
Joanne.Bissetta@state.ma.us

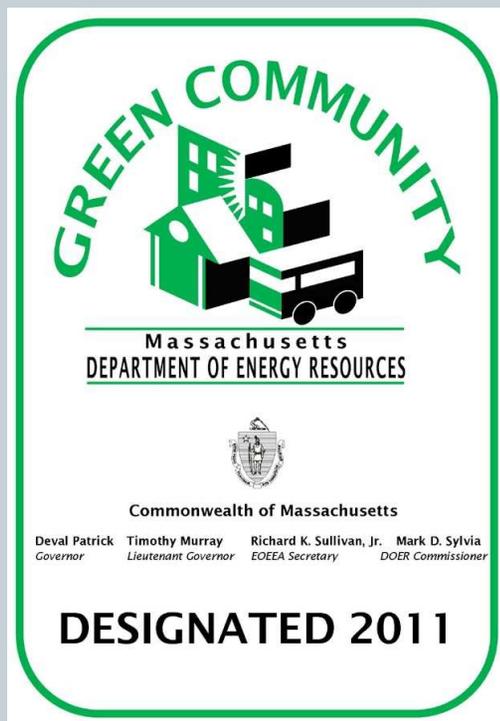


CERO – WORCESTER: Kelly Brown
Kelly.Brown@state.ma.us

WERO – SPRINGFIELD: Jim Barry
Jim.Barry@state.ma.us



Green Communities Designation and Grant Program



- **Qualification Criteria - Designation**

1. Adopt as-of-right siting for RE/AE generation, R&D, or manufacturing
2. Adopt expedited permitting process
3. Create an Energy Reduction Plan to reduce energy use by 20% in 5 years
4. **Purchase only fuel-efficient vehicles**
5. Minimize life cycle cost in new construction → adopt the Stretch Code

- **Grant Funding**

1. Energy Efficiency Projects
2. Renewable Energy Projects on municipal land

Why Electric Vehicles



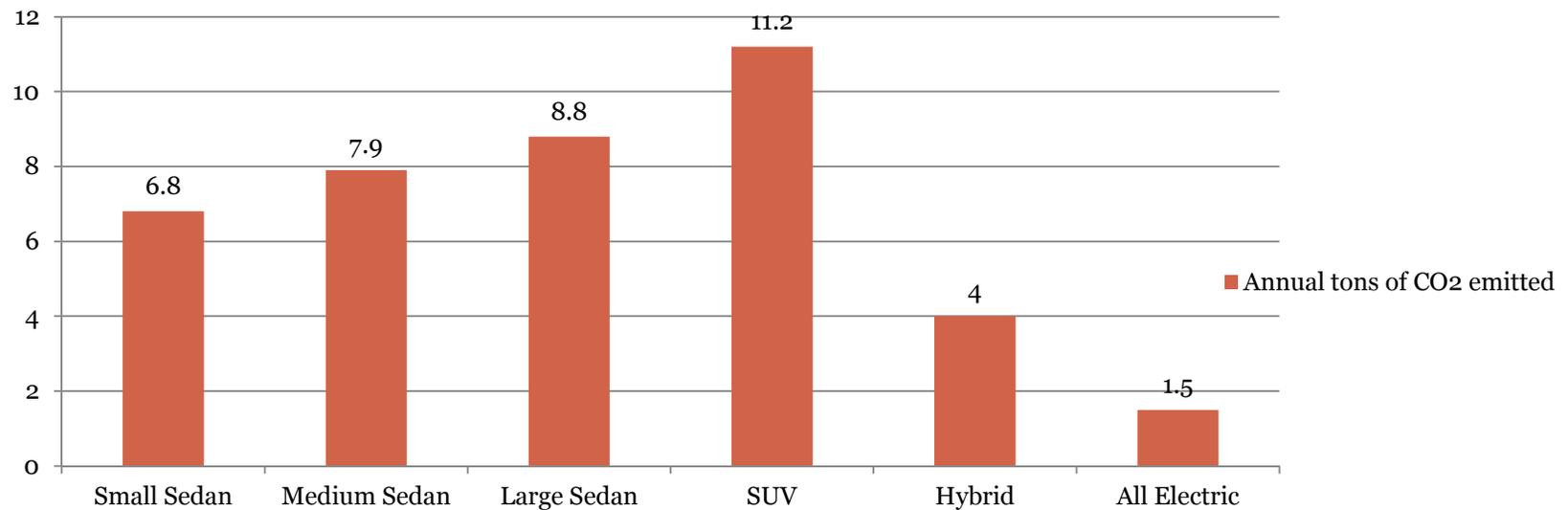
BEVs (Battery Electric Vehicles) or PHEVs (Plug-In Hybrid Electric Vehicles)

- ✦ Same performance as conventional vehicles
- ✦ For BEVs, no onboard ICE (internal combustion engine) or complex transmission system
- ✦ For PHEVs,
- ✦ Significant reduction in maintenance costs for BEVs (PHEVs....)
- ✦ Lower fuel costs/ consistent fuel costs
- ✦ No localized emissions
- ✦ Quiet operation
- ✦ \$1.32 per gallon equivalent compared to \$3.56 per gallon of gasoline.



Electric Vehicles and the Environment

Annual tons of CO₂ emitted
Based on ISO New England generation profile



Massachusetts Electric Vehicle Incentive Program - MassEVIP



- Official announcement on Earth Day 2013 in Greenfield and Chelmsford
- Provides incentive funding to Massachusetts entities to acquire:
 - Battery-electric or plug-in hybrid vehicles
 - Level 2 charging stations



Goals for MassEVIP



- Increase the deployment of EVs in Massachusetts
- Help the Commonwealth meet aggressive climate and energy efficiency goals established by the Patrick Administration
- Help the transition to a clean energy economy
- Reduce greenhouse gas (GHG) emissions
- Help make cities and towns more energy efficient
- Improve air quality by reducing smog forming and other pollutant emissions

Electric Vehicles on State Contract OVM-10*



Chevrolet Volt
40 mile battery-only range



Chevrolet Spark
no ICE (not
available for sale
till late 2014 in
MA)
100 mile range



Ford Focus EV
no ICE
107 mile range

* Current state contract – new contract due out early 2014

Electric Vehicles on State Contract OVM-10*



Ford Fusion
Plug-in hybrid

The Nissan Leaf, Mitsubishi I-MiEV and the Smart for two are not on the OVM 10 currently, these vehicles are eligible for funding.



Ford C-Max Energi
20 miles battery
100 MPGE



Toyota Plug in Prius
95 MPGE 12 mile battery

* Current state contract – new contract due out early 2014

EVSE – How do you fuel an EV?



- Required time for charging PHEVs and BEVs
- Three charging levels 1,2 and DCQ (fast charging)
- Specific equipment requirements

Level	Voltage	Charge Type	Estimated Charge Time
1	120 VAC	Common residential grounded receptacle from source to vehicle's onboard charger.	8 to 30 hours
2	240 VAC	Dedicated 40 amp circuit from source to vehicle's onboard charger.	3 to 8 hours
3	High-voltage (VDC)	Direct current from off-board charger; up to 400 amps.	15 to 30 minutes

Where are the charging stations?



Level 1 comes with all Plug in vehicles



Level 2 Barnstable



Level 2 Boston



Level 2 at the fire station in Northampton



To find Electric vehicle charging stations in Mass go to:

<http://www.afdc.energy.gov/>

Phase I



- Only Municipalities were eligible
- 20 municipalities approved for awards
- \$555,000 in total
- 47 EVs
 - 21 Plug-In Hybrid and 26 Battery Electric
- 17 Level 2 dual head charging stations



Phase II - Eligible Entities



- Public Universities and Colleges
- State Fleet
- Car-Share Companies
- Municipalities

MassEVIP Phase II Incentives

Public Entities

- \$7,500 for battery electric vehicles
- \$5,000 for plug-in hybrids
- Up to \$10,000 for the installation of Level 2 charging station

Private Entities

- \$3,750 for battery electric vehicles
- \$2,500 for plug-in hybrid vehicles
- Up to \$5,000 for the installation of EVSE



Program Requirements - Vehicles



- Applicants can use vendors on state contract OVM-10
- Applicants may also purchase a battery electric and/or plug-in hybrid vehicle identified on CA's list that is not currently on the OVM-10 list; however, must do own bid process and be on a contract with the Commonwealth
- Will commit to using the vehicle for at least 36 months in the Commonwealth

Program Requirements – Charging Stations



- Applicant must purchase at least one battery electric vehicle
- Charging station must be publicly accessible and space used specifically for electric vehicles
- Applicants must use vendors on RFR-2011-ENE-008 to install a Level 2 charging station

MassEVIP Application Process



- Application period from January 1 to February 28th
- Complete and submit to MassDEP an Application Form by **February 28th**
- Form and instructions found at:
www.mass.gov/eea/agencies/massdep/air/grants/massevip.html

MassEVIP Application Process



MassEVIP Application

Please complete & return postmarked by **February 28, 2014**

Overview

The Massachusetts Electric Vehicle Incentive Program (MassEVIP), Phase II, is a competitive grant program administered by the Massachusetts Department of Environmental Protection (MassDEP) that provides incentives to entities to acquire through **purchase or lease** battery-electric or plug-in hybrid vehicles and install Level 2 dual-head charging stations.

MassEVIP Phase II will help the Commonwealth meet its aggressive climate and energy efficiency goals established by the Patrick Administration under the Global Warming Solutions Act (GWSA) and the Green Communities Act (GCA). MassEVIP helps the transition to a clean energy economy and reduces greenhouse gas (GHG) emissions from the transportation sector, one of the major sources of GHG emissions. By launching MassEVIP, the Commonwealth demonstrates its commitment to increase the deployment of electric vehicles in fleets across the Commonwealth and the visibility of advanced technology vehicles in communities across the state.

Incentives

Under Phase II, MassEVIP will provide the following incentives to successful applicants for the acquisition of plug-in hybrid vehicles (PHEV), battery electric vehicles (BEV), and the installation of Level 2 dual-head charging stations:

Eligible Entity	PHEV Incentive	BEV Incentive	Level 2 Charging Station
Municipality	\$5,000	\$7,500	Up to \$10,000
Public University/College	\$5,000	\$7,500	Up to \$10,000
State Fleet	\$5,000	\$7,500	Up to \$10,000
Car-Share Company	\$2,500	\$3,750	Up to \$5,000

The incentive for a charging station includes part and installation costs for a Level 2 dual-head charging station (can charge two vehicles at a time) with the purchase of **at least one** battery electric vehicle (BEV). An entity may acquire EVs either through vehicle purchase or lease. In either case, eligible entities must work with the vehicle dealers regarding the details on a purchase or lease.

Program Requirements

Eligible Entities

Eligible applicants are municipalities, state agencies, car-share companies, and public universities and colleges across the Commonwealth.

Electric Vehicles

Entities can use the vendors on the current state contract OVM-10 that offer battery electric and plug-in hybrid vehicles for the acquisition of such electric vehicles (www.mass.gov/eea/agencies/massdep/air/grants/massevip.html).

If an entity wishes to acquire an electric vehicle that is not currently on Massachusetts state-wide contract but is identified on California's list (<http://energycenter.org/index.php/incentive-programs/clean-vehicle-rebate-project/cvvp-eligible-vehicles>) as a PHEV or ZEV (zero emission vehicle also referred in this program as a BEV) and is available in Massachusetts, the entity must do its own competitive bid process to acquire the battery electric or plug-in hybrid vehicle. The entity *itself* must be on a contract with the Commonwealth for goods and services. MassEVIP will then provide the incentive directly to the entity upon presentation of the invoice attesting proof of the vehicle(s) acquisition.

The entity must commit to use of the vehicle for at least 36 months.

Charging Stations

An entity is eligible to receive a Level 2 dual-head charging station with the purchase of **at least one battery electric vehicle**. In addition, the charging station must be publicly accessible and the space(s) must be restricted for the use of electric vehicles only.

If an entity applies for and receives a grant to install a Level 2 dual-head charging station, the entity must use vendors on the current RFR-2011-ENE-008 contract (www.mass.gov/eea/agencies/massdep/air/grants/massevip.html).

Application Process

Interested entities need to complete the following application form and submit to MassDEP, postmarked by February 28th, 2014. Applications will then be reviewed by MassDEP. Upon completion of its review, MassDEP will issue Grant Application Approvals and an End-User Agreements that defines the terms and conditions of the grant to the awarded applicants. Upon receipt of the signed End-User Agreement by MassDEP, the approved entities have up to **one year** to complete their vehicle acquisition and charging station installation, if applicable. MassEVIP will provide the incentive directly to the vendor on state contract or reimburse the entity¹ if it did its own competitive bid process by choosing a vehicle on California's list that is not currently available on Massachusetts state contract.

¹ As long as the entity *itself* is on a contract with the Commonwealth for goods and services.

MassEVIP Application Process



 **MassEVIP Application**

APPLICANT INFORMATION: (* Indicates Required Fields, and please print clearly)

Name of Entity*: _____

Division within Entity applying for incentive: _____

Principal Contact*

Last Name: _____

First Name: _____

Title: _____

Email: _____

Phone: _____

Fax: _____

Street Address: _____

City: _____

State: _____

Zip Code: _____

Mailing address (enter ONLY if it is different from contact address above)

Street Address: _____

City: _____

State: _____

Zip Code: _____

If a municipality, are you currently a Green Community as designated by the Massachusetts Green Communities Division? (Circle one)

YES NO

MassEVIP One Winter St, 6th Fl, Boston, MA 02108 Phone: (617) 556-1015 Page 3

Use the Table below to list the electric vehicle(s) your entity is considering for acquisition.*

Make/Model	Type (Electric or Hybrid Plug-In)	Dealer	Purchase/Lease

**If requesting more than five vehicles, please use additional pages.*

In the space provided below, please indicate how the vehicle will be used to increase the visibility of electric vehicles in the community.

If planning on acquiring **one or more battery electric vehicles** (fully battery operated), your entity is eligible to apply for assistance to install a Level 2 dual-head charging station. Do you wish to apply for assistance to install a Level 2 dual-head charging station? If yes, use the Table below to provide information for the requested charging station. *Note: the acquisition of hybrid plug-in electric vehicles only does not qualify an entity for financial assistance to install a Level 2 dual-head charging station.*

Make/Model:	_____
Vendor:	_____
Proposed location:	_____

Signature of Representative*: _____

Date*: _____

This form should be returned to MassDEP at the address below, postmarked no later than **February 14, 2014**.

Sejal P. Shah
Environmental Analyst, MassEVIP
MassDEP
One Winter Street, 6th Floor
Boston, MA 02108

MassEVIP One Winter St, 6th Fl, Boston, MA 02108 Phone: (617) 556-1015 Page 4

MassEVIP Application Process



- After February 28, applications are reviewed
- MassDEP issues approval of Grant Application
- Municipality must sign an End-User Agreement
- Upon receipt of the signed End-User Agreement by MassDEP, applicant can then complete vehicle purchase/lease and proceed with Level 2 charging station, if applicable

MassEVIP Application Process



- MassEVIP will provide the incentive directly to the vehicle vendor or charging station vendor on state contract
- MassEVIP will reimburse the applicant if:
 - it performed its own competitive bid to purchase an eligible EV vehicle not currently available on the state contract but is sold in Massachusetts
 - Vehicle must be identified on California's list as ZEV or PHEV
 - Applicant must be on a contract

MassEVIP Application Process



- Application form and instructions are available on MassDEP's webpage:
www.mass.gov/eea/agencies/massdep/air/grants/massevip.html
- For more information on vehicles and EVSE installation information go to MA Clean Cities web page:
www.mass.gov/energy/cleancities

Contact Information



- For information on MassEVIP, contact:
richard.blanchet@state.ma.us
Phone: 617-654-6585, or
sejal.shah@state.ma.us
Phone: 617-556-1015
- For information on EVSE's and vehicles, contact:
stephen.russell@state.ma.us
Phone: 617 626-7325
michelle.broussard@state.ma.us
Phone: 617-626-7377
- For information on Green Communities, contact:
lisa.capone@state.ma.us or visit www.mass.gov/energy/greencommunities

Questions

