

Maryland: Achievements in Green Transportation

Chris Rice, Transportation Program Manager

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*Maryland Electric Vehicle Infrastructure Council
MDOT, Headquarters*

Maryland Energy

ADMINISTRATION

Powering Maryland's Future

Presentation Outline

1. About MEA
2. Existing Laws, Incentives & Infrastructure
3. PSC Case 9261

1. About MEA

MEA's mission is to assist Maryland citizens and businesses save money through smart investments in energy efficiency, renewable energy and conservation. MEA fuels the creation of green jobs by providing funds and resources to expand the use and availability of clean, safe energy in Maryland.

Maryland's Key Energy Goals



Image: Governor O'malley plugs in a Chevy Volt with the state's new Charging Stations at BWI Airport.

EMPOWER: Reduce electricity consumption

15% by 2015

RPS: Obtain 20% of electricity from renewables

by 2022

CLIMATE: Reduce greenhouse gas emissions

25% by 2020

JOBS: Create 100,000 new green jobs by 2015

2. Existing Laws, Incentives & Infrastructure

HOV Lane Use

The HOV Lane Use statute authorizes the use of a high occupancy vehicle (HOV) lane by certain EV's.

Electric Vehicle Tax Credit- 72 Through July 2011

Make	Model	Vehicles
Chevy	Volt	63
Nissan	Leaf	1
Tesla	Roaster	5
Smart	Fortwo	2
Zelev	Zelev	1

2. Existing Laws, Incentives & Infrastructure

Electric Vehicle Charging Station Tax Credit

Allows a State income tax credit of 20% up to \$400.

<u>Estimated Tax Credits</u> <u>Per Year</u>		
<u>2011</u>	<u>2012</u>	<u>2013</u>
1,000	1,250	1,500

Electric Vehicle Pilot Program

- Establishes a pilot program for charging EV's.
- Program goal: modify behavior so that recharging occurs during off peak hours.

2. Existing Laws, Incentives & Infrastructure

Electric Vehicle Infrastructure Council

The Council will develop an action plan to facilitate the successful integration of electric vehicles within Maryland's transportation sector.

Electric Vehicle Infrastructure Program

- Created in 2010 to aid the installation of EVSE's. Two grants issued totaling \$594,000.
- Eighty one (81) stations are estimated to be installed by the end of summer 2011.

2. Existing Laws, Incentives & Infrastructure



- \$5.9 Million ARRA Grant
- 143 Heavy Duty Hybrids
- 123 Hybrid Electric
- 20 Hydraulic Hybrids
- 101 Deployed
- 295,000 Miles on the Road
- Over 8,000 Gallons Saved
- 25%-30% Fuel Economy Increase
- Create 60 Green Collar Jobs



“Maryland: Achievements in Green Transportation”

2. Existing Laws, Incentives & Infrastructure

Ford

- *In April of 2011 Ford announced Baltimore as one of the top 25 EV ready cities*

General Motors

- Brings production of Two-mode hybrid transmissions to White Marsh.
- \$269.5 million investment, Plant opens in 2013
- The campus will be powered in part by a 1.23 megawatt rooftop solar array
- Approximately 90 jobs

2. Existing Laws, Incentives & Infrastructure

Chevy Volts Sold in MD

- MD accounted for 6.4% of July sales

Coulomb- Baltimore City

- EVIP- MEA awarded 9 stations to Baltimore City
 - Through Charge Point America- Coulomb to add 50 additional stations

3. PSC Case 9261

PSC case 9261- regulatory treatment of charging stations

The Public Service Commission opened Case No. 9261 in early 2011 to investigate the regulatory treatment of providers of electric vehicle charging stations and related services. In addition the work group will aid in the creation of the Electric Vehicle Pilot Program

3. PSC Case 9261

1. Assist in developing and coordinating statewide standards for streamlined permitting and installation of residential and commercial EV charging stations and supply equipment;
2. Increase consumer awareness and demand for electric vehicles through public outreach;

3. PSC Case 9261

3. Develop targeted policies to support fleet purchases of electric vehicles;
4. Develop charging solutions for existing and future multi-dwelling units; and
5. Recommend a method of displaying pricing information at public charging stations



Chris Rice
*Transportation Program
Manager*

crice@energy.state.md.us
<http://energy.state.md.us>
Phone: (410) 260 - 7655