Public-Private Partnerships

EV Roadmap 7
Portland, Oregon
Friday, July 25, 2013

Eric Heineman
Sustainability Director
Senior Sustainability Policy Advisor
Office of Governor Pat Quinn
**EV Policies...**
- EV Advisory Council
- ICC PEV Initiative
- ICC installer rulemaking

**...and Programs**
- DCEO rebates & grants
- IEPA rebates
- Secretary of State EV discount
- IDOT charging station signage
- Infrastructure projects
Illinois EV Advisory Council

- Electric Vehicle Act (Public Act 097-0089 / HB 2902) signed July, 2011 (created by Igo)
- Created the EV Advisory Council and EV Coordinator role
- Report to the Governor and General Assembly sent Dec 31, 2011
- Meetings kicked off in Oct 2011
- All meetings open to appointees and any interested stakeholders
- EVAC now meets monthly
EVAC Recommendations

1. Encourage and facilitate EV infrastructure installation.
2. Encourage EV purchases and charging infrastructure development through incentives.
3. Promote efficient and renewable electricity use by EVs.
4. Educate the public on EVs, their use and benefits.
5. Support the EV and EVSE industry and associated job creation in Illinois.
1. Infrastructure

IDOT EV Charging Station Signage

Approved for use in Illinois by the USDOT Federal Highway Administration
1. Infrastructure

**Infrastructure Projects**

- Chicago-Area EV Infrastructure Project started in 2009
- Car-sharing organizations
- Bloomington-Normal EVTown
- Route 66
1. Infrastructure

**Pilot: Chicago Metro Area**

- **Project partners:**
  - City of Chicago
  - State of Illinois
  - 350 Green/JNS Power

- **Charging station network:**
  - 26 DC Fast-Chargers
  - 207 Level 2 Chargers

- **Geography:**
  - City of Chicago
  - 7-county metro area

- **Funding sources:**
  - U.S. Dept. of Energy
  - State of Illinois capital funds

- **Timeline:** 2011-2012
1. Infrastructure

Pilot: Chicago Metro Area

- Station location partners:
  - Enterprise Car-Sharing
  - ZipCar
  - Tollway oases
  - Airports
  - Walgreens
  - Jewel
  - Whole Foods
  - Simon Malls

- Technology:
  - Coulomb ChargePoint stations
  - AeroVironment stations
  - Efacec CharJit stations
  - Coulomb ChargePoint network
  - Ecotality, Blink
## 2. Incentives

### DCEO EV Infrastructure Incentives

<table>
<thead>
<tr>
<th>Charging Station Rebates</th>
<th>Industry Development Grants</th>
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</thead>
<tbody>
<tr>
<td>• For local governments, businesses, educational institutions, non-profits, single- or multi-unit residential buildings.</td>
<td>• For EV and charging station equipment producers and component manufacturers.</td>
</tr>
<tr>
<td>• Covers 50% of equipment &amp; installation costs.</td>
<td>• Funds upgrade or expansion of equipment or facilities.</td>
</tr>
<tr>
<td>• $3,750 max for networked stations; $3,000 max for non-networked.</td>
<td>• Covers up to 50% of eligible project cost; applicant matches 50%.</td>
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<tr>
<td></td>
<td>• Max of $1,000,000.</td>
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</table>
2. Incentives

IEPA EV Purchase Rebates

Types of rebates:
- Fuel rebate
- Vehicle rebate
- Conversion Rebate

Vehicle rebate amount:
- 80% of incremental cost up to $4,000
- If no conventional equivalent exists, rebate is 10% of base retail price up to $4,000

## IL Secretary of State Discount

### Fee Comparison

<table>
<thead>
<tr>
<th>Description</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Regular 1-year vehicle license plate renewal fee</td>
<td>$99.00</td>
</tr>
<tr>
<td>BEV 2-year vehicle license plate renewal fee</td>
<td>$35.00</td>
</tr>
<tr>
<td>Annual savings</td>
<td>$81.50</td>
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</tbody>
</table>
3. Incentives

City of Chicago-Drive Clean Truck Voucher

- Conversion Rebate Voucher incentive is applied at purchase 60% off
- Reduces purchase price to customer
- Vouchers are based on size of batteries
- $11.3 million in voucher funding
- Vendor (dealer) paid voucher amount at completion of sale and registration of vehicle

- On-road **Zero-Emission Driveline**
  > 10,000 GVWR trucks and buses

- The City is in the process of making modifications to include Class 2b vehicles, hybrids and increasing the incentive amount for e-trucks.
5. Economic Development

State EV Procurement

- State purchased 56 vehicles for distribution across agencies:
  - 20 Nissan LEAFs
  - 35 Mitsubishi IMIEVs
  - 1 Ford Focus Electric
- State employee training program in works
  - EVs at 10 different state agencies
  - Users have to demonstrate that they can charge at a public charger as part of the training.
EV’s Delivered in July of 2012

- Not a single State EV has needed a Tow
- Used for short trips mostly, in town driving and ideal for campus settings for various types of work (62 mi range for iMIEVs, and 82 mi range for LEAFs)
- Great low end torque
- No maintenance costs (so far). 11,272 miles logged so far

33 Graybar/Schneider Electric Level 2 Dual Charging Stations

- RFID Reader, but does not send back data, and the option is unhelpful
- 8 Installed so far, but EVs spent the first 3 months plugged into a normal 110 outlet
Electric Vehicle Zip Car Sharing for State Fleet with 5 Chevy Volts

- Cost benefits are materializing
  - Average cost/hour $6.00
  - $0.55/mi. fully-loaded
  - Annual cost avoidance of nearly $4,300 per car not owned
  - 24 EV trips by State Employees
5. Economic Development

Pilot: Bloomington-Normal, IL

- Bloomington-Normal Electric Vehicle Task Force participants:
  - Local officials
  - Local business leaders & corporate partners
  - Local educational institutions

- Goal: 1,000 EVs in the community by 2014

- Mitsubishi committed to supplying 1,000 “i” EVs

- Normal installed 33 charging stations with USDOE funding.

- Eaton Corp. is partnering on charging stations

https://www.youtube.com/watch?v=c_GcK2xHATU
Get Whoaeded with Mini Abe

http://youtu.be/05Wv3LHlx_o

State tour highlights electric vehicles

Posted: Thursday, July 24, 2014 12:02 pm

For the Intelligencer | 0 comments

The Illinois Green Economy Network, alongside the Office of Governor Pat Quinn, recently completed a more than 500-mile journey to advocate electric vehicle (EV) infrastructure and raise range awareness.

The IGEN EV Road Trip kicked off at John A. Logan College in southern Illinois on June 23 and ended at College of Lake County at the northern extent of the state in Grayslake on June 25. Along the way, the rally-style event utilized 38 electric vehicles and involved approximately 500 people at 11 Illinois community colleges and the Executive Mansion in Springfield.

Along for the ride

Mini Abe, an icon used to help promote Illinois tourism, sits on the hood of an electric vehicle during IGEN’s EV Road Trip, which was coordinated by L&C’s Director of Sustainability Nate Keener.
Nissan Autobarn Sponsorship
Thank you!

Questions?

www.IllinoisEnergy.org/EV

Eric Heineman
Eric.Heineman@illinois.gov
312-802-4318