Midwest Electric Vehicle Opportunities: Learning, eVents, Experience

- Chicago Area Clean Cities
- Clean Fuels Ohio
- Earth Day Coalition
- Greater Lansing Area Clean Cities
- North Dakota Clean Cities
- South Shore Clean Cities
- Twin Cities Clean Cities Coalition
- Wisconsin Clean Cities
- Argonne National Laboratory
- Make Ideas Reality
- PlugInConnect

Project Period:
10/1/2016 – 9/30/2019
Events & Driving Opportunities

25 Large Showcases:
  • 2017 Ohio Earthfest
  • 2017 Taste of Chicago
  • 2017 Milwaukee Summerfest
  • 2017 National Drive Electric Week
  • 2018 Twin Cities Auto Show
  • 2018 Chicago Auto Show
  • 2018 North American International Auto Show

53 Smaller Showcases

16 EV Dealership Training Events

52 Workplace Charging Events + 34 Extended Test Drives

39 EV Forum Events/Meetings

www.MidwestEVOLVE.org
#MidwestEVOLVE
Key Stakeholders – 50+

Workplace Charging Locations
• Anderson Corporation
• Aveda
• Book Factory
• Cincinnati Zoo
• City of Cincinnati
• City of Cleveland, Office of Sustainability
• Grove City
• Health Partners
• IBEW/NECA Technical Institute
• Rife Autobody
• Tennant

Utilities
• ComEd
• Great River Energy
• First Energy
• Madison Gas and Electric Company
• Xcel Energy

OEMs and Dealerships
• Nissan
• Germain Nissan
• Mike Bass Ford
• McCluskey Chevy
• Perillo BMW

Let’s add your company to this list!
Key Stakeholders - Continued

Additional Partners
• Carbon Day
• Clipper Creek
• ChargePoint
• NRG EVgo
• Element Financial Corporation
• E-RIVE
• Great Lakes Renewable Energy Association
• Lake Michigan Clean Cities Consortium
• Minnesota Plug-in Electric Vehicle Owners Circle
• Drive Electric Minnesota

• Fresh Energy
• Minnesota Pollution Control Agency
• Jo Miller & Associates
• Electric Auto Association of Northwest Ohio
• Green Energy Ohio
• Ohio EV Solutions
• Upgrade Athens County
• Marshall Auto Body
Tools & Resources

- www.MidwestEVOLVE.org
  - Event listing
  - Blogs
  - Vehicles
  - Tools
- EVolution Tool: https://evolution.es.anl.gov/
- Midwest Factsheets & Concept papers
- Surveys & Perceptions
**Consumer Vehicle Purchase Guidance Tool:**

*EVolution-informing your choice for a smart purchase*

Is an electric vehicle a smart consumer choice? Absolutely! But first you need the facts about EVs and how they relate to your driving needs. The EVolution consumer choice tool is here to help.

**So, what are the benefits of owning an electric vehicle?**

- Better Energy Efficiency
- Better for your Wallet
- Better for the Environment

[Click here to learn more](#)

**Electric Vehicles: What You Need to Know!**
Goal: Attract & Connect
Interactive Process in 6 steps

**Vehicle Selection**
- Type, size, seats, price range
- Comparison across powertrains, maker and models
- Allows for 2 alternative powertrains compared to ICE

**Location Details (Specific to zip code)**
- Timely fuel price (gasoline, electricity)
- Average travel time, speed
- Links to Workplace/Public charging locations
- Links to local incentives

**Travel and Charging**
- Workday travel and other travel (speed, duration, etc.)
- Home, workplace and other charging (duration, charger type)
- Other information (financial, ownership, etc.)

**Educational Information about PEVs**
- Types of charging vs. Charging time
- Weather Effects on performance and range
- Energy saving depends on travel pattern, charging rate/time

**Outputs**
- Savings in $ and gallons
- Total Cost of Ownership
- Savings as a function of average speed
## Evolution vs. Other EV Tools

<table>
<thead>
<tr>
<th>Tools</th>
<th>Information Provided</th>
<th>Inputs/Defaults</th>
<th>Outputs</th>
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<tbody>
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<td>All LDV models (including all PEV)</td>
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<td>EVSE Availability, type</td>
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<td>Model Suggestions</td>
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- **My Plugin Hybrid Calculator**
- **AFDC Vehicle Cost Calculator**
- **UC Davis GreenLight EV Explorer**
- **Sierra Club**
- **Go Electric Drive**
- **My GreenCar (GPS Tracking)**
- **Nyserda EV Calculator**
- **UC Davis Analytic Tool to Support the Implementation of EV Programs**
- **Evolution**

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Click for EVolution Tool

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