ChargePoint and EVs in Ohio
An Introduction to Electric Vehicles

Agenda:

• ChargePoint
• Current EV Availability
• Current Habits
• Future Projections
• Q & A
Myers Motors, NmG, personal EV

- Formerly the Corbin Sparrow.
- Made in the USA.
- 1 occupant.
- DC Drive.
- $30,000 (Lithium Ion battery option).
- Up to 45 miles range (Li-Ion).
- www.myersmotors.com
ChargePoint Is Different

**Market Leadership**
+ 7,000+ customers
+ 58,000+ charging spots
+ 1000+ DC fast spots

**Environmental Impact**
+ Avoided >49 million gallons of gas, 150 million kg of CO₂ and >162M kg of GHG emissions
+ Driven 1.2 billion electric miles

**Category Leadership**
+ Founded 2007
+ Partnering with major autos, integrated in-vehicle and navigation systems
+ Policy and utility teams

**Industry Recognition**

**Superior Services and Support**
+ 24/7 driver support and centralized station monitoring
+ Remote diagnosis, repair and upgrade of stations
Our North American charging network
ChargePoint’s Public Central Charging Network
Cloud Services and Stations for Every Application

+ Smart, connected, networked chargers at all power levels
+ Rugged, reliable hardware with cord management
+ UL safety and all agency and standards compliance

CPF25 Level 2 Station
✔ Depot
✔ Multi-Family

CT4000 Level 2 Station
✔ Mixed Use

CPE100 24kW DC Fast Station
✔ Depot
✔ Mixed Use

CPE200 50kW DC Fast Station
✔ Depot
✔ Mixed Use

CPE250 and + DC Fast Station
✔ Depot
✔ Mixed Use

ChargePoint Home Level 2 Station
✔ Single Family Home
Current Electric Vehicle Adoption

EVs in Operation (US, Cumulative)

Vehicles In Operation (Cumulative)

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EV Models in USA

Plug-In Models

48+ currently available with many more coming in 2019

PHEV
- Toyota Prius Prime
- Chevy Volt
- Toyota Prius Plug-in
- Cadillac ELR
- Mercedes S 550
- BMW 740e
- Chrysler Pacifica Plug-In
- Ford Fusion Energi
- BMW X5 xDrive40e
- Ford C-Max Energi
- Volvo XC90
- BMW 330e
- Hyundai Sonata Plug-In
- BMW i8
- Porsche Panamera S E
- Porsche Cayenne S E
- Audi A3 e-tron

BEV
- Toyota Rav 4 EV
- Honda Fit
- smart EV
- Ford Focus Electric
- Fiat 500 E
- Chevy Bolt EV
- Nissan LEAF
- BMW i3
- Tesla Model S
- Tesla Model X
- Hyundai Ioniq Electric
- VW e-Golf
- Chevy Spark
- Kia Soul EV
- Mitsubishi i-MiEV
- Mercedes B Class

BEV with DC Fast Charge
2018 All Electric (BEV) Landscape

- Tesla Model 3
- Nissan Leaf
- Smart fortwo
- Chevrolet Bolt
- Hyundai Kona (coming soon)
- Volkswagen eGolf
- Tesla Model S
- Tesla Model X
- Jaguar I Pace
- Audi e-tron Quattro (coming soon)
- Chevrolet Spark
- Kia Soul
- Fiat 500e
- Lucid Air (coming soon)
- Porche Mission e (coming soon)
2018 Plug in Hybrid (PHEV) Landscape

- **Chevrolet Volt**
- **Toyota Prius Prime**
- **Toyota Prius Plug In**
- **BMW i8**
- **Honda Clarity**
- **Volvo S90 T8**
- **BMW 330e iperformance**
- **Subaru Viziv**
- **BMW i3**
- **Ford Fusion Energi**
- **Audi A3 etron**
- **Ford C-Max Energi**
- **Hyundai Ioniq**
- **Mercedes Benz c350e**
- **BMW 740e iperformance**
- **Land Rover Range Rover Sport P400e**
- **BMW X5 40e XDrive**
- **Porsche Cayenne SE Hybrid**
- **Mini Cooper Countryman**
- **Porsche Panamera SE Hybrid**
- **Kia Optima**
- **Chrysler Pacifica**
- **Mitsubishi Outlander**
- **Ford Focus**
- **Volvo XC90 T8**
- **Hyundai Sonata**
- **Volvo X60 T8**
- **Kia Niro**
- **Cadillac CT6**
- **Karma Revero**

*Available as PHE and BEV*
# 7 County Region

## Distribution of Top 10 EV’s

<table>
<thead>
<tr>
<th>Primary Vehicle M.</th>
<th>% of Top 10 Drivers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Volt</td>
<td>27.1%</td>
</tr>
<tr>
<td>Leaf</td>
<td>22.5%</td>
</tr>
<tr>
<td>Model S</td>
<td>13.7%</td>
</tr>
<tr>
<td>i3</td>
<td>8.2%</td>
</tr>
<tr>
<td>Model 3</td>
<td>6.7%</td>
</tr>
<tr>
<td>Fusion Energi</td>
<td>5.2%</td>
</tr>
<tr>
<td>Bolt EV</td>
<td>5.1%</td>
</tr>
<tr>
<td>C-Max Energi</td>
<td>4.2%</td>
</tr>
<tr>
<td>Model X</td>
<td>3.8%</td>
</tr>
<tr>
<td>Prius Prime</td>
<td>3.5%</td>
</tr>
</tbody>
</table>
Electric Vehicle Currently

When are People Charging?

Session Start Time Local

# Sessions

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Electric Vehicle Currently

Environmental Equivalency of Lifetime GHG Savings

9,783 tree seedlings grown for 10 years

Reducing Fossil Fuel Reliance

42,923 gallons of gasoline saved
Electric Vehicle Projections

EV Sales Forecast for North America Regions

State/Province
- Illinois
- Indiana
- Iowa
- Kansas
- Michigan
- Minnesota
- Missouri
- Nebraska
- North Dakota
- Ohio
- South Dakota
- Wisconsin

Cagr (2017-2026)
- Illinois 52.7%
- Michigan 64.8%
- Wisconsin 63.0%
- Ohio 59.4%
- Missouri 52.2%

Year
- 2017
- 2018
- 2019
- 2020
- 2021
- 2022
- 2023
- 2024
- 2025
- 2026

Sales
- Illinois
- Indiana
- Iowa
- Kansas
- Michigan
- Minnesota
- Missouri
- Nebraska
- North Dakota
- Ohio
- South Dakota
- Wisconsin

Source: Navigant Research
www.navigantresearch.com/research/electric-vehicle-geographic-forecasts
Electric Vehicle Projections

EV Sales Forecast for North America Regions

Source: Navigant Research

www.navigantresearch.com/research/electric-vehicle-geographic-forecasts

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Thank You

If you’re interested in talking more, please contact me

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