“Vehicles and the way they are used will change more in the next two decades than they have in the last 100 years.”

Colin McKerracher
Head of Advanced Transport, Bloomberg New Energy Fund
EVs Are Everywhere

Electric vehicles (EVs) are on the roads in all 50 states, and consumers are buying them in record numbers. Meanwhile, the EV charging infrastructure is expanding to serve the growing population of EV drivers. Nationwide, overall charging capacity increased by 25% in 2016 alone.* These new charging stations are everywhere people spend time—homes, workplaces, shopping centers, hotels and more.

In this report, we explore the current state of EV sales, the rise of EV charging and how EV driving and charging behavior will evolve in the years to come.

Explosive Growth

Cumulative EV Sales
EV Sales Growth

641% 37%
Jan 2013 – Nov 2016
Nov 2015 to Nov 2016

542,000

Enough for everybody in Sacramento, Kansas City or Atlanta to drive electric

Source for EV Sales Data: Baum & Associates and InsideEVs.com data through November 2016.
Who Drives Electric?

From the image-conscious Tesla fanatic to the money-saving LEAF driver, there’s an EV for everyone. Research finds that people choose to drive electric for four main reasons, which correspond to some basic types of EV drivers:

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>EV Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Penny Pincher</td>
<td>Cost Savings</td>
</tr>
<tr>
<td>Gene Green</td>
<td>Environmental Benefits</td>
</tr>
<tr>
<td>Tina Techie</td>
<td>Bells &amp; Whistles</td>
</tr>
<tr>
<td>Oscar Office</td>
<td>Carpool Convenience</td>
</tr>
</tbody>
</table>

- **Penny Pincher**
  - **Cost Savings**: EVs don’t need oil changes and are less expensive to maintain than internal combustion engine (ICE) vehicles. Plus, charging is much cheaper than gas: Driving electric can save **$13,000** over the life of an EV.**
  - Most EVs are eligible for federal tax credits of up to **$7,500**.

- **Gene Green**
  - **Environmental Benefits**: Driving electric cuts greenhouse gas emissions in half—or more, depending on how electricity is generated where drivers live. Many drivers are also interested in EVs for energy independence.

- **Tina Techie**
  - **Bells & Whistles**: Tech fanatics want their cars to have the latest features, from cutting-edge software to falcon wing doors. EVs also have instant torque and are fun to drive, plus they’re completely quiet so drivers can fully enjoy the pristine sound of a high-end stereo.

- **Oscar Office**
  - **Carpool Convenience**: Several states offer High-Occupancy Vehicle (HOV) carpool lane access to EV drivers, which can save tons of time, especially for people with tough commutes. A hybrid offers these folks the convenience of a back-up gas engine.

---

** Union of Concerned Scientists.
Models on the Market

There are more than 30 EV models on the market today, which means there's something for everyone. Today’s market is fairly evenly split between plug-in hybrid electric vehicles (PHEVs), which have gas engines for backup, and battery electric vehicles (BEVs), which run only on electricity.

Many top-selling models are BEVs, demonstrating that current battery technology now offers enough driving range for mass appeal. In addition, BEVs are increasingly affordable and deliver a lower total cost of ownership because they don’t need oil, gas or as much maintenance as gas cars or hybrids.

Among the models on the market, there’s widespread popularity: eight models have sold more than 5,000 vehicles and five have sold more than 10,000 vehicles in 2016.

Of 30+ available EV models, five have already sold more than 10,000 each in 2016.

Top 5 PHEVs
1. Chevy Volt
2. Ford Fusion
3. Ford C-MAX Energi
4. BMW X5
5. Audi A3 e-tron

Top 5 BEVs
1. Tesla Model S
2. Tesla Model X
3. Nissan LEAF
4. BMW i3
5. Fiat 500e

Market Split

47% PHEVs
53% BEVs

Cumulative EV Sales

2016 EV Sales So Far

Top 5 PHEVs
1. Chevy Volt
2. Ford Fusion
3. Ford C-MAX Energi
4. BMW X5
5. Audi A3 e-tron

Top 5 BEVs
1. Tesla Model S
2. Tesla Model X
3. Nissan LEAF
4. BMW i3
5. Fiat 500e

Electric Vehicle Types

PHEVs
Plug-in hybrid electric vehicles (gas and electric engines)

BEVs
Battery electric vehicles (electric power only)

Source: Baum & Associates and InsideEVs.com data through November 2016.
### EV Sales by Model

**January through November 2016**

<table>
<thead>
<tr>
<th>Model</th>
<th>Sales (Units)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tesla Model S*</td>
<td>23,714</td>
</tr>
<tr>
<td>Chevy Volt</td>
<td>21,048</td>
</tr>
<tr>
<td>Ford Fusion</td>
<td>14,839</td>
</tr>
<tr>
<td>Tesla Model X*</td>
<td>14,540</td>
</tr>
<tr>
<td>Nissan LEAF</td>
<td>12,107</td>
</tr>
<tr>
<td>BMW i3</td>
<td>6,834</td>
</tr>
<tr>
<td>Ford C-MAX Energi</td>
<td>6,668</td>
</tr>
<tr>
<td>BMW X5</td>
<td>5,426</td>
</tr>
<tr>
<td>Fiat 500e*</td>
<td>3,735</td>
</tr>
<tr>
<td>Audi A3 e-tron</td>
<td>3,692</td>
</tr>
<tr>
<td>Volkswagen e-Golf</td>
<td>3,494</td>
</tr>
<tr>
<td>Chevy Spark</td>
<td>3,018</td>
</tr>
<tr>
<td>Hyundai Sonata*</td>
<td>2,750</td>
</tr>
<tr>
<td>Porsche Cayenne S E-Hybrid</td>
<td>1,959</td>
</tr>
<tr>
<td>Volvo XC90</td>
<td>1,811</td>
</tr>
<tr>
<td>Kia Soul EV</td>
<td>1,531</td>
</tr>
<tr>
<td>BMW i8</td>
<td>1,461</td>
</tr>
<tr>
<td>Toyota Prius Prime</td>
<td>781</td>
</tr>
<tr>
<td>Ford Focus</td>
<td>771</td>
</tr>
<tr>
<td>BMW 330e</td>
<td>630</td>
</tr>
<tr>
<td>Smart ForTwo EV</td>
<td>578</td>
</tr>
<tr>
<td>Mercedes B-Class</td>
<td>531</td>
</tr>
<tr>
<td>Cadillac ELR</td>
<td>479</td>
</tr>
<tr>
<td>Mercedes S550e</td>
<td>390</td>
</tr>
<tr>
<td>Porsche Panamera S E-Hybrid</td>
<td>148</td>
</tr>
<tr>
<td>Mitsubishi i-MiEV</td>
<td>91</td>
</tr>
<tr>
<td>Toyota Prius Plug-in</td>
<td>52</td>
</tr>
</tbody>
</table>

*Sales for Tesla Model X, Tesla Model S, Fiat 500e, and Hyundai Sonata are estimates. Exact sales numbers for U.S. only are not available.

Source: Baum Associates and InsideEVs.com data through November 2016.
Where Are EVs Taking Off?

While California remains the country’s largest EV market in terms of cars on the road, it is no longer the fastest-growing. More states are encouraging EV driving by offering incentives such as tax credits, HOV lane access, utility rebates and special rate plans for EV charging.

Top 10 States
- **Total EVs in Operation**
  1. California
  2. Georgia
  3. Washington
  4. Florida
  5. Texas
  6. New York
  7. Michigan
  8. Illinois
  9. Oregon
  10. New Jersey

- **EV Growth**
  1. Utah
  2. Nevada
  3. North Carolina
  4. Colorado
  5. Kansas
  6. New Hampshire
  7. Pennsylvania
  8. Virginia
  9. Florida
  10. Arizona

Top 10 Metro Areas
- **Total EVs in Operation**
  1. Los Angeles
  2. Bay Area
  3. New York Metro
  4. Atlanta
  5. San Diego
  6. Seattle
  7. Chicago
  8. Washington, D.C.
  9. Detroit
  10. Portland

- **EV Growth**
  1. Las Vegas
  2. Kansas City
  3. Raleigh/Durham
  4. Denver
  5. Miami
  6. Phoenix
  7. Philadelphia
  8. Portland
  9. San Diego
  10. Los Angeles

Source: Compiled by ChargePoint with data provided by IHS Markit through Q3 2016. Growth figures represent growth over Q3 2015.
Quarterly EV Sales for 2015 and 2016

EV sales grew in the fourth quarter of 2015 after speedy sales in the summer of 2014. Will sales spike again in the fourth quarter of 2016 or will the third quarter of 2016 remain a high point, with over 60% more sales than Q3 2015? Stay tuned to the EV market to find out.

Source: Baum & Associates and InsideEVs.com data through November 2016.
Do Gas Prices Affect EV Sales?

EV sales start to rise a bit when gas prices go up, reflecting consumers’ desire to save some money. But there isn’t a direct correlation, showing that drivers are interested in EVs for many more reasons than just saving on gas.

U.S. EV Sales and Gas Prices

Source for EV Sales Data: Baum & Associates and InsideEVs.com data through November 2016.
What ChargePoint Network Members Drive

Compared with the overall EV market, which is almost evenly split between the vehicle types, ChargePoint drivers are about twice as likely to drive a BEV as a PHEV. That’s partly because BEVs count on charging to get around. (Of course, ChargePoint supports all kinds of EVs.)

ChargePoint Breakdown by EV Model

1. Nissan LEAF (BEV)
2. Chevy Volt (PHEV)
3. Tesla Model S (BEV)
4. BMW i3 (BEV)
5. Fiat 500e (BEV)

ChargePoint Breakdown by Type of EV

33% PHEV
67% BEV

Source: ChargePoint Network Data
Some of the Newest EV Models

The EV market is just getting started. Many new models have recently come out or will be on the market soon, giving drivers new choices in form factor, cargo space and other important features.

**Toyota**

The Prius Prime recently became available in November 2016, but it’s already generating interest among drivers attracted by the savings of electric and convenience of gas.

**Chevrolet**

The new Chevy Bolt EV is a mass-market EV with a range of over 230 miles. Look for this model to sell in big numbers and win over more people to driving electric.

**Hyundai**

In 2017, Hyundai, which built its brand on affordability and broad appeal, is releasing its much anticipated Ioniq in all-electric, hybrid and plug-in hybrid versions.
EV Charging Is the Foundation for the Future of Transportation

As EV sales grow, EV charging is growing too. In 2016, U.S. charging infrastructure grew by about 25%. As EV sales increase and more EV drivers hit the road, demand for charging will increase sharply.

As the world’s largest EV charging network, ChargePoint is committed to making EV charging fast and easy for drivers everywhere they go. Our mobile app connects drivers with places to charge, while our cloud services connect station owners with a detailed understanding of when and how people are charging at their locations.

Because we’re the largest network, we also have the most data about charging and the best understanding of how EV drivers behave. We also know how driver behavior varies according to factors like location, time of day, the cost of charging and industry. We use this data to better understand, anticipate and meet the needs of EV drivers and station owners everywhere.

What Our Network Looks Like Today

More than 31,100 total charging spots and over 400 Express DC fast locations

Over 19.9 million gallons of gas, 59.6 million kg of CO₂ emissions and 67,000 metric tons of GHG emissions avoided by drivers

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**EV Charging 101**

Charging can seem complicated, but there are just a few basics you should know. There are three main charging types: Level 1, Level 2 and DC fast.

**Level 1** is just plugging in to a typical 110-volt household outlet and can take 16 hours to charge an EV with 100 miles of range.

**Level 2** requires a 240-volt outlet and special charging station, but can charge about 6X faster than Level 1, filling up a battery with 100-mile range in about 4 hours.

**DC fast** converts AC power to DC, to get many EV batteries charged to 80 percent in 20-30 minutes.

ChargePoint offers both Level 2 and DC fast stations for public charging. To learn more, check out our Quick Guide to Fast Charging.

**DID YOU KNOW?**

Our cloud services allow station owners to set their own prices; we don’t decide how much it costs to charge.
More People Are Joining ChargePoint

New drivers continue to join ChargePoint at a rapid pace that’s in sync with the expanding EV market. We have drivers in all 50 states.

States with the Most ChargePoint Drivers
1. California
2. Washington
3. Georgia
4. Florida
5. Texas
6. Illinois
7. Massachusetts
8. New York
9. Michigan
10. Colorado

Top 10 States for ChargePoint Driver Growth (Q3 2016 over Q3 2015)
1. Utah
2. Ohio
3. Kansas
4. Maine
5. Alabama
6. Kentucky
7. Idaho
8. Colorado
9. Missouri
10. Minnesota

Colorado is in the Top 10 for Growth and Total Drivers

All states grew over 75%

Utility rebate programs in Georgia, Ohio and California may be encouraging more people to get EVs and join ChargePoint.

For a more complete list of incentives, visit chargepoint.com/incentives

Source: ChargePoint Network Data
We’re Adding More Places to Charge

ChargePoint continues adding new charging ports across our network as public and private organizations buy new charging stations to meet growing demand from drivers.

Top 10 States for EV Charging Growth
1. Missouri
2. Kansas
3. Georgia
4. Indiana
5. Tennessee
6. Oregon
7. Arizona
8. Colorado
9. Utah
10. Vermont

All of these states grew the number of charging spots more than 40 percent from Q3 2015 to Q3 2016.

Top 10 States by Total EV Charging Capacity
1. California
2. Texas
3. New York
4. Florida
5. Washington
6. Massachusetts
7. Missouri
8. Illinois
9. Georgia
10. Michigan

Utility sponsored charging projects are driving growth. For example, a major EV charging project led by Kansas City Power and Light spurred strong growth in Kansas and Missouri. Georgia Power and Los Angeles Department of Water and Power also offer EV charging rebates.

For a more complete list of incentives, visit chargepoint.com/incentives

Source: ChargePoint Network Data
How People Charge Their EVs

EVs represent a whole new approach to fueling. Instead of emptying a gas tank and going to a gas station to fill up, EV drivers should never have to make a separate trip to fuel. They just “top off” their battery everywhere they go. Every time an EV driver parks becomes an opportunity to charge.

And because most cars spend more than 90 percent of the time parked, that’s a lot of opportunities to charge. Because ChargePoint stations are connected, insights into all aspects of charging are available: battery capacity, station availability, charging fees and more.

Where People Are Charging

According to our data, EV drivers are charging everywhere they go, and a growing number of EV drivers enjoy the convenience of charging at home.

Top 3 Places to Charge in Public
- Work
- Cities & Towns
- Retail

A Big “Job” Opportunity

Every company has a key opportunity to influence EV adoption by offering charging to employees. Having EV charging available at work makes employees **20X more likely** to drive electric.

That’s a big deal.

2016 Highlights

**Most charging happens at work**
Most of us spend about half of our day at work, so not surprisingly, the workplace is where people spend the most time charging.

**Charging happens throughout the day**
Other important locations for charging include cities and towns, retail shops, single-family homes, schools and parking garages. Basically, where people charge mirrors where they spend their time.

**DID YOU KNOW?**
ChargePoint is the leading provider of workplace charging solutions.
When People Charge

People spend a lot of time at work, which makes it a perfect place to charge. Hundreds of thousands of EV drivers count on ChargePoint to get charged up at work as well as around town. So it makes sense that our data on Level 2 charging, which is popular at workplaces and around town, shows that people charge mostly on workdays, and tend to plug in when they get to work (around 8 or 9 AM) or after lunch (at 12 or 1 PM).

The Most Popular Days for Level 2 EV Charging

The Most Popular Times to Start Level 2 EV Charging

Source: ChargePoint Network Data, January 2014 to September 2016.
How Battery Size Affects Charging Behavior

Battery electric vehicles (BEVs) have larger batteries and rely on battery power entirely, so they tend to charge up more frequently and fill up a smaller percentage of their battery each time. According to our data, BEVs tend to add about 28% of their capacity when charging. Plug-in hybrid electric vehicles (PHEVs) have smaller batteries, so they charge a greater percentage of the battery each time, closer to 55%.

The small percentage of battery charged on average shows us that most EVs have more than enough battery range and opportunities to charge to meet their drivers’ needs.

Top 5 Models by Average kWh Delivered per Session

1. Tesla Model S (BEV)  
2. Tesla Model X (BEV)  
3. Toyota RAV4 EV (BEV)  
4. Tesla Roadster (BEV)  
5. Mercedes B-Class (BEV)

<table>
<thead>
<tr>
<th>Electric Vehicle Types</th>
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</thead>
<tbody>
<tr>
<td><strong>PHEVs</strong></td>
</tr>
<tr>
<td>Plug-in hybrid electric vehicles (gas and electric engines)</td>
</tr>
<tr>
<td><strong>BEVs</strong></td>
</tr>
<tr>
<td>Battery electric vehicles (electric power only)</td>
</tr>
<tr>
<td><strong>How much battery capacity do different types of EVs add on average?</strong></td>
</tr>
<tr>
<td>BEVs add 28% of capacity</td>
</tr>
<tr>
<td>PHEVs add 55% of capacity</td>
</tr>
</tbody>
</table>

**Drain Your Battery**
There’s a persistent myth that partially depleting and refilling batteries is bad for them, so you should always run down your battery and fully charge it.

**Not True**
This used to be the case with older nickel-based batteries. But the lithium ion batteries used in modern EVs are very tolerant of frequent recharging. In fact, it’s actually better to avoid frequent full discharges and top off as you go.

Source: ChargePoint Network Data
Charging Time vs Idle Time

Many people think that they don’t have time to charge an EV. But our data shows otherwise.

We’ve actually found that EVs spend an average of 1.5 to 2.5 hours idle (plugged in but not charging) for every charging session. And charging sessions last 2.5 to 4.5 hours on average. In other words, EVs tend to stay parked about 50% longer than required to charge.

Source: ChargePoint Network Data

** Definitions **

Session length: The amount of time an EV is plugged in at a charging station.
Charging time: The amount of time an EV is actively charging (taking in energy).
Idle time: The amount of time an EV is plugged in but not actively charging.

**PHEVs**
- Plug-in Hybrid Electric Vehicles
- Average session length: 2.5 to 5 hours (total)
- Average charging time: 1 to 2.5 hours
- Average idle time: 1.5 to 2.5 hours

**BEVs**
- Battery Electric Vehicles
- Average session length: 3 to 6 hours (total)
- Average charging time: 1.5 to 3.5 hours
- Average idle time: 1.5 to 2.5 hours
DC Fast Is Different

DC fast charging is a different type of charging, designed to provide quick charges on long trips or when an EV’s battery has run low. It can charge many batteries to 80% of capacity in 20-30 minutes. Because DC fast is designed to be used on longer trips or around town, it peaks at different times of day and days of the week than Level 2 charging. The data also shows that Level 2 remains the charging type that EV drivers can count on at work and around town.

Peak Charging Days

People use DC fast every day, but Friday is slightly ahead of the pack, possibly as people start running errands or head out on long trips.

The Most Popular Days for DC Fast Charging

Peak Charging Times

DC fast sees peaks in charging between 1 and 5 PM. These peaks may come as drivers who started long trips early in the day start to deplete their batteries, or as people need to charge up fast while running errands around town.

The Most Popular Times to Start DC Fast Charging

Source: ChargePoint Network Data
DC Fast Is Growing...Fast

DC fast charging is the key to driving EVs long distances and making an EV your only car. It’s also increasing in popularity, with the number of ChargePoint Express DC fast charging spots growing 86% since 2015.

Making Road Trips Possible

DC fast growth has been particularly strong on the West Coast, where ChargePoint has DC fast spots that can get EV drivers all the way from Portland to San Diego. (We also have East Coast DC fast spots that get drivers from Boston to Washington, D.C.)

Shortening Session Length

Because it charges EVs more quickly than Level 2, average session lengths for DC charging are shorter, as is idle time. Most EV models connect for an hour or less at DC fast stations; half an hour of DC fast charging is enough time to get many EV batteries to 80% charge.

Reducing Idle Time

Because it’s so quick, DC fast charging is typically more expensive than Level 2 charging, which encourages drivers to move on once they’re charged up. This means idle time is much lower with DC fast. With guidance from ChargePoint, individual station owners can choose the right per-minute or per-hour pricing that will encourage drivers to move on after they’re charged up.

DC Fast by the Numbers

86% Capacity added since 2015
The West Fast-growing region
EV-friendly road-trip corridors: Portland to San Diego, Boston to Washington, D.C.
<1 Hour Average time for 80% charge

Source: ChargePoint Network Data
EV Charging Growth by Industry

While EV charging growth is strong across the board, a few industries stand out. Some of the top industries for growth are:

- Healthcare growth underscores the mainstreaming of EVs. A growing number of patients—who represent the general population—need to charge when they go in for medical care. Healthcare is also the third-fastest-growing industry in recent Bureau of Economic Activity reports, and healthcare workers need to charge up at work too.

- Cost savings and environmental concerns drive fleet growth. Electric fleets save on fuel and maintenance while reducing greenhouse gas emissions. Energy management software enables fleets to charge up efficiently and at off-peak rates, eliminating the need to make large investments in electrical infrastructure or pay high utility bills.

- Hotspots for private-sector growth include education in Maryland, government in West Virginia and hospitality in Nevada.

- Municipal charging is gaining ground in Washington, D.C., and New York.

Source: ChargePoint Network Data
The Cost of Charging

Just like street parking is free in some places and metered in others, and parking lots and garages can range from free to impressively expensive, the cost of charging depends a lot on where you are. ChargePoint lets drivers filter for free stations and check pricing in our mobile app. All of our customers set their own prices; we don’t decide how much it costs to charge.

2016 Highlights

Free charging is common. The majority of charging sessions are free, especially in retail, healthcare and hospitality, where charging is offered as an amenity for shoppers, patients and guests.

Overall, paid charging is gaining acceptance. Paid charging is increasing modestly across most industries.

Governments and parks are beginning to add fees. Our data show governments and parks are starting to charge money, perhaps to recoup costs or encourage drivers to move on after they’re done.

Apartments and condos typically charge fees. It’s currently standard practice for management companies to recover energy costs from residents.

Fleets may adopt a split public/private model. Fleets often charge money if “mixed use” stations are shared between fleet drivers and the public.

An Uptick in Paid Charging Across Industries

It’s Easy to Set the Price of EV Charging

ChargePoint Cloud Plans allow organizations to quickly develop pricing models based on their goals. Common objectives include generating incremental revenues or encouraging drivers to leave their parking space as soon as they’re finished charging (reducing idle time).

Source: ChargePoint Network Data
Home Charging Is on the Rise

Many people charge their EVs at home because it’s easy, convenient and—if you have a Level 2 home charger—fast. Some people charge their car every day; others charge only occasionally. Charging habits vary depending on how far people drive every day and how big their battery is. But because most cars are parked for 8+ hours overnight, charging at home is a very convenient way to keep any EV fully charged.

The Convenience of Charging at Home

ChargePoint Home is a Level 2 home charger that drivers can manage with a mobile app. Drivers with ChargePoint Home do nearly 90% of their charging at home, with the rest split between work and a few other places. This suggests that people, given the opportunity, prefer to charge at home for convenience and reliability.

Top 10 Models that Charge with ChargePoint Home

1. Chevrolet Volt
2. BMW i3
3. Nissan LEAF
4. Volkswagen e-Golf
5. Mercedes-Benz B-Class
6. FIAT 500e
7. Ford Fusion Energi
8. Ford Focus Electric
9. Tesla Model S
10. BMW X5 xDrive40e

Source: ChargePoint Network Data
Convenient and Connected
Home Charging

ChargePoint Home makes charging easy with a mobile app.

Top ChargePoint Home Smart Features

Get friendly reminders
to charge

Schedule charging for off-peak hours

Connect to Nest for integrated energy reporting

Partnering with Utilities to Save

With ChargePoint Home, drivers can connect to their utility providers for more energy-efficient charging. With help from utilities, drivers can schedule charging at off-peak rates to reduce grid load for utilities and lower electricity bills for drivers.

With special rate plans, some drivers can pay for the cost of a home charger within months just through electricity cost savings.

Some participating utilities include:

+ Pacific Gas & Electric
+ Southern California Edison
+ Los Angeles Department of Water & Power
+ San Diego Gas & Electric
+ Puget Sound Energy
+ Florida Power & Light
+ Austin Energy
+ Georgia Energy
+ Portland General Electric
+ Xcel Energy

Source: ChargePoint Network Data
The EV Driving Community

EV drivers are all part of a big community. They like to help each other learn about driving electric and find convenient places to charge. The ChargePoint mobile app lets drivers leave tips for each other, to help other drivers find chargers and understand the basics of charging.

We’d like to recognize James B. (shaggy314) for standing out as our top commenter overall in our app and helping other drivers find stations in his hometown of Austin, Texas.

James has charged his Ford Fusion Energi all over the city of Austin: at the Arboretum, Gables Parking Garage, Research Park Plaza, Austin Independent School District and of course everyone’s favorite grocery store, HEB. He does most of his charging at work.

James is dedicated to helping his fellow EV drivers find stations with ease, leaving tips like:

Technically it’s the 1st floor. The East end is floor ‘0’. They are at the top of the ramp to the West entrance, next to building 3.

3 twin L2 chargers on ground floor, 2 more on the 3rd floor. Each charger [is accessible] from 2 spots, but no enforcement. [Except] on concert night at least some spots are always open.

Facing the HEB, it is the front right row, single spot (left side).

Home Charging Superstars

<table>
<thead>
<tr>
<th>Name</th>
<th>Location</th>
<th>Make/model</th>
<th>Total charged</th>
<th>Gas saved</th>
<th>Emissions offset equivalent</th>
</tr>
</thead>
<tbody>
<tr>
<td>NevesGolfCart</td>
<td>Philadelphia</td>
<td>Ford Focus Electric</td>
<td>1,330</td>
<td>500 gallons</td>
<td>Planting 119 trees and growing them for 10 years</td>
</tr>
<tr>
<td>KNOWGAS</td>
<td>Los Angeles</td>
<td>Toyota RAV4 EV</td>
<td>6531 kWh</td>
<td>500 gallons</td>
<td>Planting 119 trees and growing them for 10 years</td>
</tr>
</tbody>
</table>

We have driver tips in multiple countries and languages and keep growing our mobile app to add new features that help EV drivers find the right place to charge, everywhere they go.
What ChargePoint Drivers Have Achieved

While ChargePoint is primarily focused on making EV charging easy for drivers and beneficial for businesses, we’re also proud of the environmental benefits of EV driving.

Environmental Milestones

476 million Gas-free miles driven
19.9 million gallons of gas avoided (up 40% from 2015)

which is equivalent to:

(Not) burning 188,717,155 pounds of coal
Taking 26,115 homes off the electric grid (more than the population of SeaTac WA, Corsicana TX, San Jacinto CA, Winter Park FL)
Growing 167,408 acres of forest
Growing 4,583,304 tree seedlings for 10 years

2016 EV Policy Milestones

Incentives for EV Adoption
- Colorado passed a $5,000 EV tax credit, which is now the largest state-level incentive available.
- New York established an EV and EV charging station rebate program offering up to $2,000 per EV purchased in the state.
- California removed a limit on the number of green stickers allowing plug-in hybrids to access HOV lanes, paving the way for increased PHEV adoption in the state.

Utility Programs
- Oregon and Utah passed legislation requiring utilities to promote customer choice, competition and innovation in any EV charging program (this typically means that utilities must work with multiple charging station companies and offer customers options in charging technology and services).
- The California Public Utilities Commission approved EV charging pilot programs with Pacific Gas and Electric Company, San Diego Gas & Electric and Southern California Edison that promote customer choice and will establish 12,500 new charging spots throughout California in the next three years.

Municipal EV Charging Infrastructure
- Denver approved a new EV-ready building code to make sure that parking spaces in new construction will be ready to install charging stations.
- Seattle announced Drive Clean Seattle, a plan to install charging infrastructure and electrify the city’s fleet.
- Columbus, OH won the U.S. Department of Transportation’s Smart Cities Challenge, receiving $50 million to fully integrate innovative technologies—self-driving cars, connected vehicles, and smart sensors—into its transportation network.
Thank You

A sincere thank you to all of our customers and EV drivers. The EV revolution couldn’t happen without you. We’re proud to be working together to build the future of transportation.

Find Out More

If you have questions about any of this data or want to learn more about charging, please contact us:

Media: media@chargepoint.com
Automakers: automotive@chargepoint.com
Sales: 1.408.370.3802
U.S. and Canada Toll Free: 1.877.370.3802
sales@chargepoint.com