

What EV Charging Means for Your Employees

Insights from 10 Years of Electric Vehicle Charging Data

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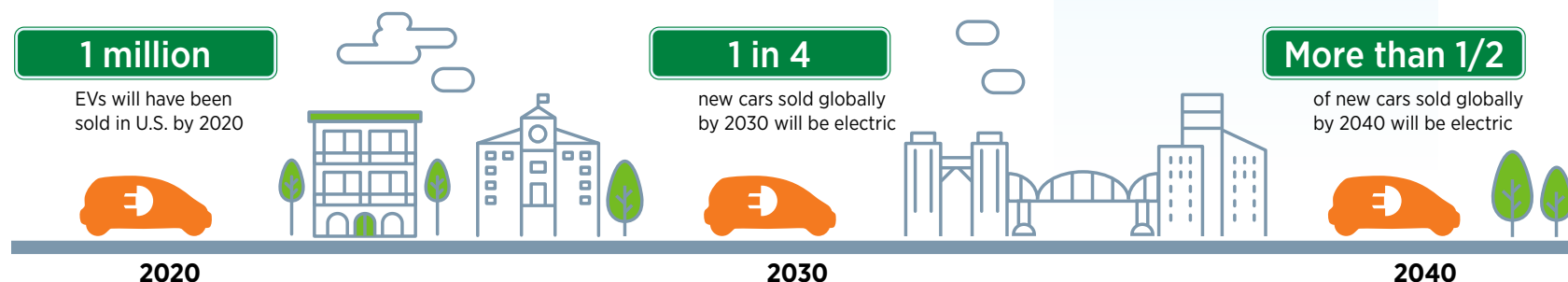
Your Employees Will Commute by EV... And They'll Need Someplace to Charge

An expanding fueling network and more car models will make electric driving ubiquitous. Most people will drive to work in an EV, whether they're driving themselves or riding in an autonomous vehicle.

Offices are getting ready to accommodate greater numbers of personal and fleet EVs with new charging spots that make it even easier to plug in everywhere, including convenient fast charging hubs for longer trips. **We predict that more than 3 million commercial charging spots will be installed globally by 2020.**

By 2040, 54% of new car sales worldwide will be electric.

Source: Bloomberg New Energy Finance



EV Charging Has Many Benefits for You and Your Employees

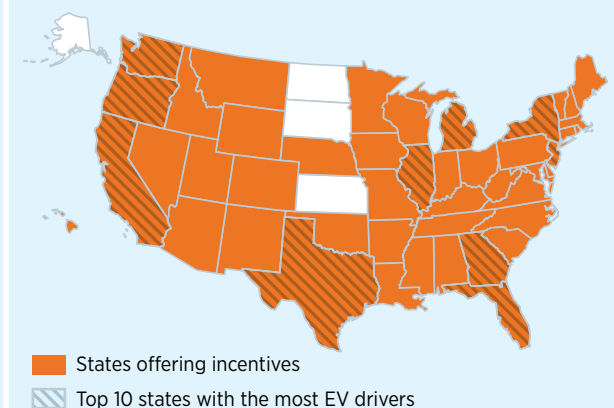
- ✓ Easily accommodate requests for EV charging, with minimal effort
- ✓ Centrally manage an EV charging solution that meets the needs of employees
- ✓ Align sustainability initiatives with business goals
- ✓ Reduce Green House Gas (GHG) emissions
- ✓ Understand your environmental and financial ROI
- ✓ Establish your brand as a green leader



State Incentives Are Driving EV Growth

As of the end of 2017, 46 states offer incentives for EV drivers and/or businesses that operate fleets or provide EV charging. While uncertainty surrounds the federal government's EV incentives, state and local governments continue to provide financial support for EV adoption and charging. These incentives are driving EV growth throughout the U.S.

Most of the top 10 states with the most EV drivers offer financial incentives.



Source: National Council of State Legislatures.

Smart Networks Make Charging Work for Any Workplace

A networked solution unlocks benefits for employers and employees alike:

Employees



Find available stations online or on a mobile app



Check charging status from phone



Get notifications when your car is done charging



Use the Waitlist feature to get in line at a busy station



Receive personalized driver report for usage & spending



Automatic reimbursement for home charging costs (subject to entitlement)



24/7 driver support

Employers



Integrate home, workplace and public charging with a turnkey infrastructure solution provider



Seamless online on-boarding experience for individual drivers or entire fleets



Reduce infrastructure and operational costs with Power Management



Intelligently share power, manage energy consumption and measure your emission reduction



Monitor stations remotely and maximize station utilization



Control who can access your station and set company pricing policies



Get alerts about potential problems to avoid downtime

Case Study: Raytheon

Raytheon

Employees at several Raytheon offices requested the convenience of EV charging at work, which also offered a promising way to attract new recruits. “It can be a discriminator to attract and retain the best talent you can,” says Frank Marino, Senior Corporate Environment, Health, Safety and Sustainability Manager of EV charging. “A lot of EV drivers are engineers, and you want to attract and retain them.”

In addition to employee retention, Raytheon has 14 ambitious sustainability goals, two of which are to reduce greenhouse gas (GHG) emissions by 12% and certify 20 locations as zero waste by 2020. The EV charging solution helps reduce Scope 3 GHG emissions. To meet employee demand, attract new talent and achieve sustainability goals, Raytheon decided to start with EV charging in local offices that requested it, allowing charging to grow with employee demand rather than be mandated by headquarters.



“A major attraction of the ChargePoint network was its nationwide reach, robust metrics collection process from the online dashboard and the fact that all firmware updates are automatically pushed out to all stations, nationwide.”

— Frank Marino, Raytheon



5 Years of Savings and Results

- ✓ Saved 280 megawatt hours of energy
- ✓ Saved 117,145 kg of GHG emissions
- ✓ Saved 35,000 gallons of gasoline (the equivalent of growing 8,000 tree seedlings for 10 years)
- ✓ Attracted new employees and retained existing staff
- ✓ Simplified pricing and station management with smart tools

Smart Steps for Choosing Your EV Charging Solution

EV ownership is only going to increase moving forward. Now is the time to plan for the future and get your workplace EV ready.

The following best practices can help you ensure that you make smart decisions about charging station installation:

- ✓ Plan for at least 5–10% of employees to purchase plug-in electric vehicles over the next 3 to 5 years. For new construction workplaces or in places with high EV density, plan for 10–20% of employees to drive EVs.
- ✓ Prepare for an increase in the number of employees driving EVs by making additional parking spaces “EV Ready” with conduit and electrical wiring connected to the building’s power source.
- ✓ Create an EV charging policy that is easy to scale beyond the first EV driver so that you can accommodate future EV drivers.
- ✓ Some workplaces will not have enough electrical panel capacity to charge all employee EVs at once. Power Management can install more stations than rated capacity and eliminate or significantly delay costly upgrades.
- ✓ Choose a networked EV charging solution that maximizes usage and future-proofs your investment with smart features and automated software updates.
- ✓ Take advantage of grants, rebates, and tax credits [available in your region](#).



Get More from Your Charging Solution

Unsure how to implement shared charging that works for everyone? ChargePoint has it figured out for you. The Waitlist feature lets employees use their phone to get in line at charging stations when all locations are busy and conveniently notifies them when it's time to go plug in. Offer valet parking at your workplace? ChargePoint's Valet feature gives valet attendants a quick real-time view into the charging status of all vehicles and available ports at valet charging stations so they can charge more vehicles and serve more EV driving customers.

Improve employee productivity by making it easier to get their cars charged

Maximize station utilization and keep drivers charged up and happy

Eliminate the need for homegrown systems to mediate access to stations

Identify drivers who don't move their vehicles promptly

Understand demand and plan for capacity upgrades using automated reports

Why ChargePoint

ChargePoint Is Committed to Providing Businesses with Smart EV Charging Solutions

ChargePoint operates the world's largest and most open electric vehicle (EV) charging network, bringing EV charging to more people and places than ever before. We design, build and support all of the technology that powers this network, from charging station hardware to energy management software to a convenient mobile app. We're committed to understanding how EV drivers behave and how that behavior varies according to location, time of day, cost of charging and industry—and we use this data to better understand, anticipate and meet the needs of both drivers and EV station owners everywhere. Our work transforms transportation and energy use by helping more people choose to drive electric.

Learn more about how ChargePoint can help you increase employee satisfaction and meet the growing demand for EV charging. Visit www.chargepoint.com/businesses/workplace/ or [check out what grants, rebates, and tax credits are available](#) for purchasing and installing stations in your region.

Contact us at sales@chargepoint.com today.

1 in 4 of Fortune's "100 Best Companies to Work For" is a ChargePoint Customer

"We noticed that the number of EV drivers increased after we started offering workplace charging because it enabled people to commute using their EVs. They are able to come in earlier due to HOV lane access and maximize time both at work as well as with their families. It also helped us achieve our LEED certifications and enhance our green image."

— Ted Ludwick, Amazon Lab126

