Workplace Charging Fact Sheet

Overview & Purpose

Gain valuable insights into the electric vehicle (EV) and EV charging industry to streamline the development of your workplace charging program.

Why EV Charging?

- **Gain a Competitive Edge:** Attract and retain top talent by showcasing your organization as a leader in smart mobility and workplace innovation, setting the standard for modern transportation solutions and inspiring others to follow your lead.
- **Maximize Savings with Incentives:** Leverage available government grants, tax breaks, and subsidies to offset installation costs while positioning your organization for long-term success with scalable EV solutions that drive smart mobility, enhance real estate value, and future-proof your workplace.
- **Align with Sustainability Goals:** Demonstrate your commitment to both sustainability and workplace innovation, elevating your organization as a leader in smart mobility and future-ready practices. Earn exclusive recognition that sets you apart in the transition to EVs.

Components, Terminology

Electric Vehicle (EV): A vehicle fully powered by a rechargeable battery. Drivers can expect a range of up to 300 miles from a single charge. Click here to learn more.

Internal Combustion Engine: gas-powered vehicle

Key Terms & Infrastructure Essentials

- **Electric Vehicle Charging Infrastructure (EVSE) / EV Charger:** A unit that houses one or more charging ports.
- **Port:** A system with a connector that powers one EV at a time. There are multiple types of ports, including Level 1 and 2 for AC and CHAdeMO and CCS for DC.
- **Workplace Charging:** The deployment of EV Charging equipment (EVSE) at a worksite for employee use. These chargers can be open to the public or reserved for the exclusive use of staff.
- **Installation:** On-site assembly of EV chargers and, normally, connection to the local electricity grid. A certified electrician handles installation, and many EV charger providers offer installation with purchase

Charger Types with Relative Charging Time

(Based on Battery Size)

LEVEL 1

$800 - $3,000

- Plugs into a 120-volt grounded outlet
- Adds 2-5 miles of range per hour
- Fully charges in ~12 hours
- Great for commutes under 50 miles

LEVEL 2

$2,000 - $20,000 Per Port

(Range Includes Installation Costs)

- Plugs in through a 240-volt outlet
- Adds roughly 25 miles of range per hour depending on vehicle
- Fully charges in ~8 hours
- Ideal for charging at home or work

DIRECT CURRENT FAST CHARGER (DCFC)

$60,000-$150,000

(Range Includes Installation Costs)

- Public sites only due to electrical constraints
- Adds up to 250 miles of range per hour
- Fully charges within 1 hour
- Ideal for charging on long road trips with quick stops, or when short on time

The Business Case for EV Charging:

EV Charging is More Than a Perk—It's a Smart Business Strategy

Return on Investment

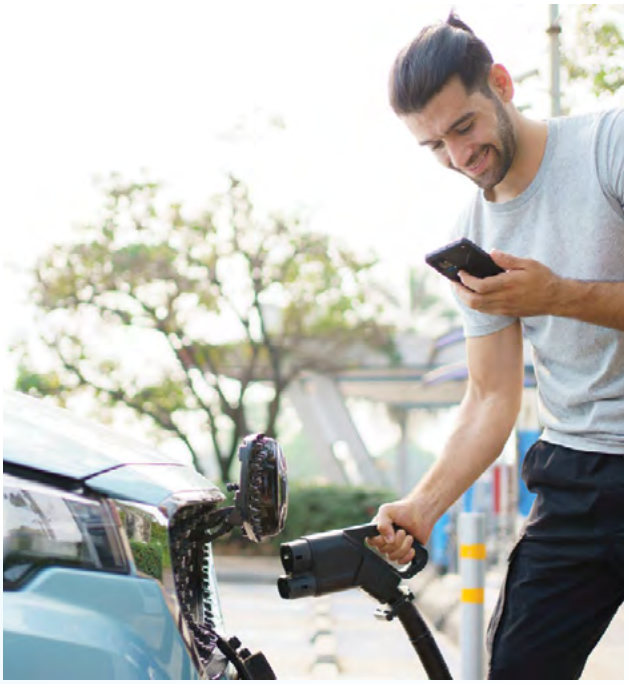
Businesses that install EV chargers on-site can take advantage of the rapidly growing EV industry with a compound annual growth rate (CAGR) of 15.5% through 2032. EVs could reach 86% of global car sales by 2030.

- **Workplace chargers draw 30% more unique drivers into business parking lots**
  - Chargers attract customers with more disposable income
- **EV owners stay longer at locations with chargers compared to non-EV owners**
  - 85% of EV drivers spent 72 minutes at RetailCo stores while charging compared to non-EV drivers who spent 22 minutes
  - On average, shoppers spent $1 for every minute in-store
- **EVs cost about half as much to fuel compared to gas-powered vehicles**
  - (Cost Comparison)
- **Federal and state incentives can make it easier and more affordable to install EV chargers**
  - (Policies and Incentives by State)

A Rapidly Growing Industry

With over 40 million EVs worldwide and 3 million in the U.S. as of 2023, the EV market is projected to grow to nearly 350 million vehicles by 2030.

There are currently more than 70,000 publicly available EV charging stations in the U.S. as of February 2025, more than double the number in 2020. Workplace charging stations are utilized at three times the rate they are deployed, highlighting the increasing need for EV charging solutions.



Boost Workplace Sustainability, Employee Loyalty, and Business Growth

Opportunities

Installing EV chargers can strengthen your organization's sustainability portfolio and improve public perception. 75% of Millennials would even take a pay cut to work for a company that's socially responsible, with 88% showing greater loyalty to those companies.

Sample Success Stories

Hotel Marcel achieved a carbon-neutral business model in part by installing 26 EV chargers, powered by solar panels. The hotel promotes sustainability by educating staff about local EV incentives and creating an eco-friendly workplace culture. Hotel Marcel also encourages employees to switch to EVs, which can save about $80 a month on gas, boosting both financial stability and employee retention.

Hi-Tech Electric saw a big boost in employee interest in EVs after installing chargers on-site. Several employees switched to electric company vehicles and started driving EVs for personal use. With charging stations located at both Hi-Tech Electric's Portage, Michigan buildings, employees began using them daily, which sparked even more interest in EVs across the company.

Need Additional Funding?

- Check out Forth's guidelines for EV Charging for Public and Private Partnerships: RFP Template
- Explore our How to Finance Your Workplace Charging Program resource

For More Guidance

Please contact us at eval@forthmobility.org