



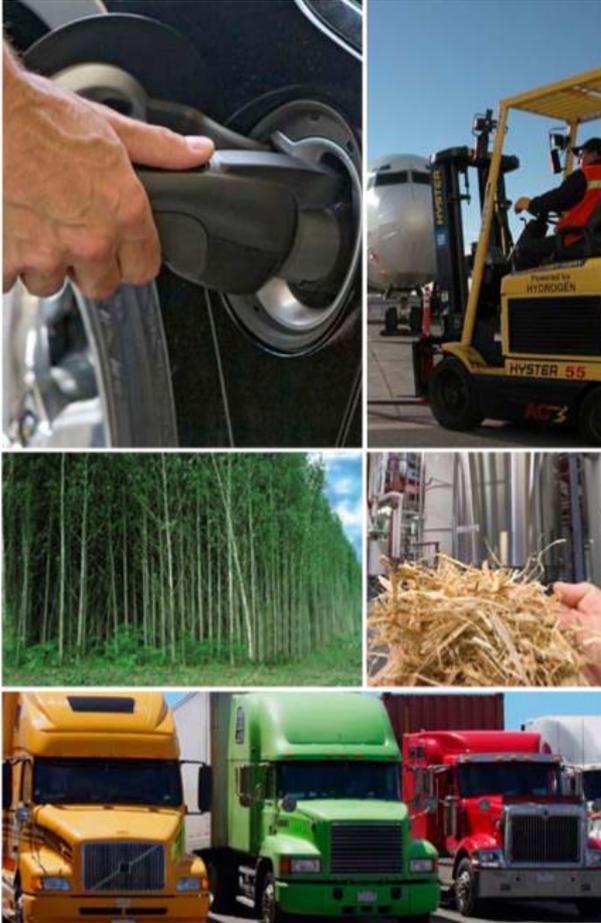
Infrastructure Needs for Growing the EV Market: Workplace Opportunities

Electric Vehicle Charging Workshop | April 2, 2015

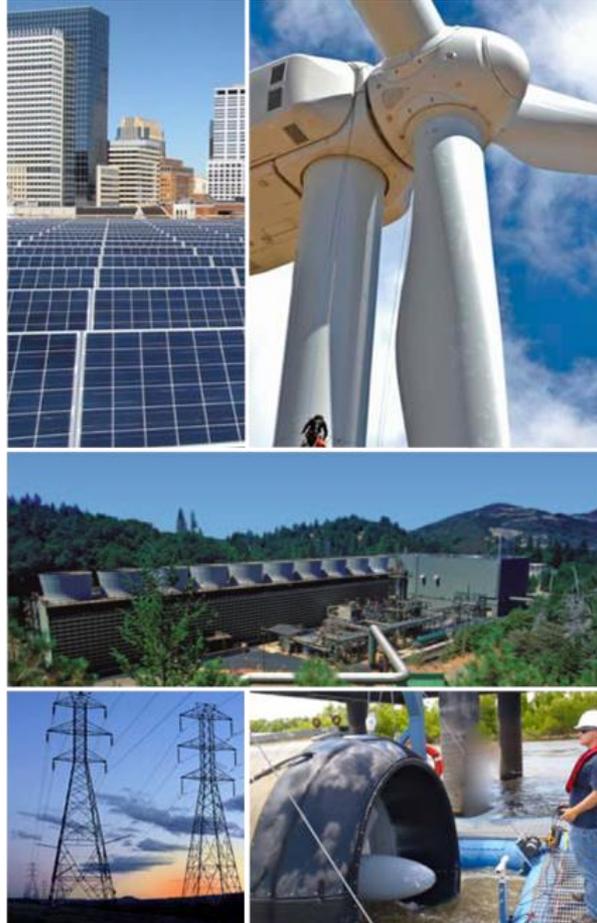
Sarah Oleksak, Workplace Charging Challenge Coordinator
Office of Energy Efficiency and Renewable Energy
U.S. Department of Energy



Sustainable TRANSPORTATION



Renewable ELECTRICITY GENERATION



Energy Saving HOMES, BUILDINGS, & MANUFACTURING



DOE Office of Energy Efficiency & Renewable Energy

Goal: affordable & convenient PEVs by 2022

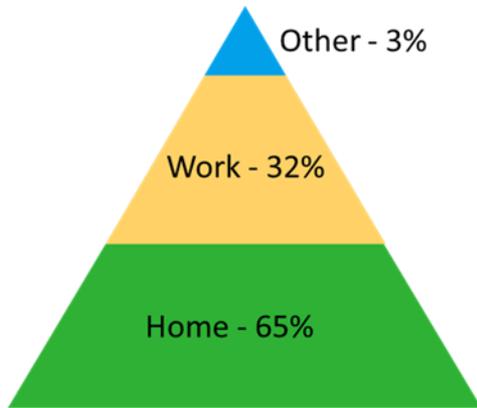


The workplace presents a prime charging opportunity



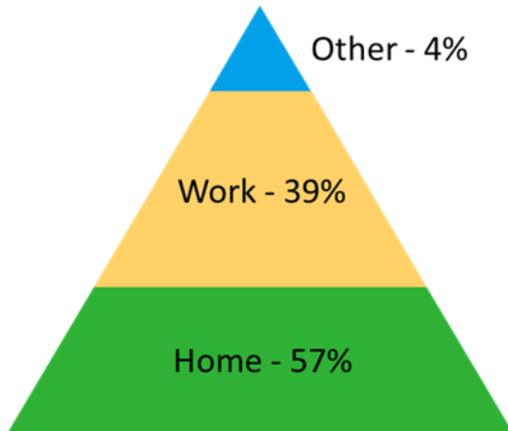
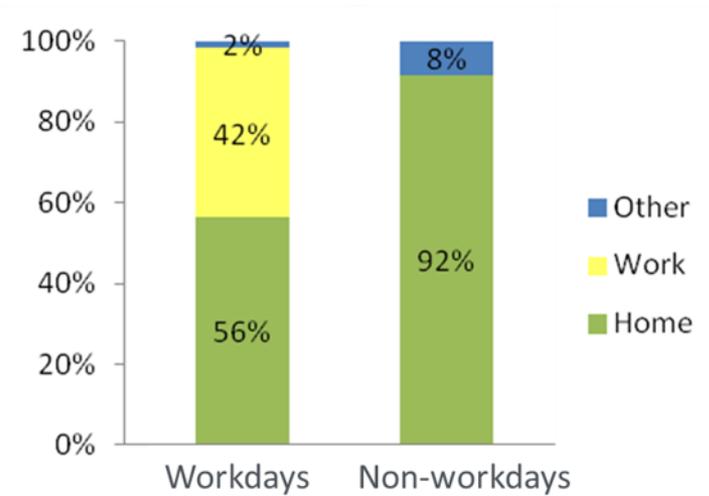
The workplace is utilized as prime charging opportunity

Overall Charging Frequency by Location (to scale)

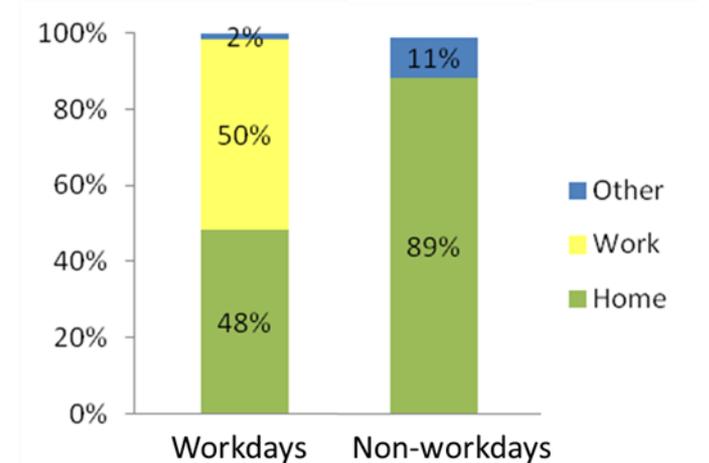


Nissan Leaf

Percent of Charging Events by Location and Day

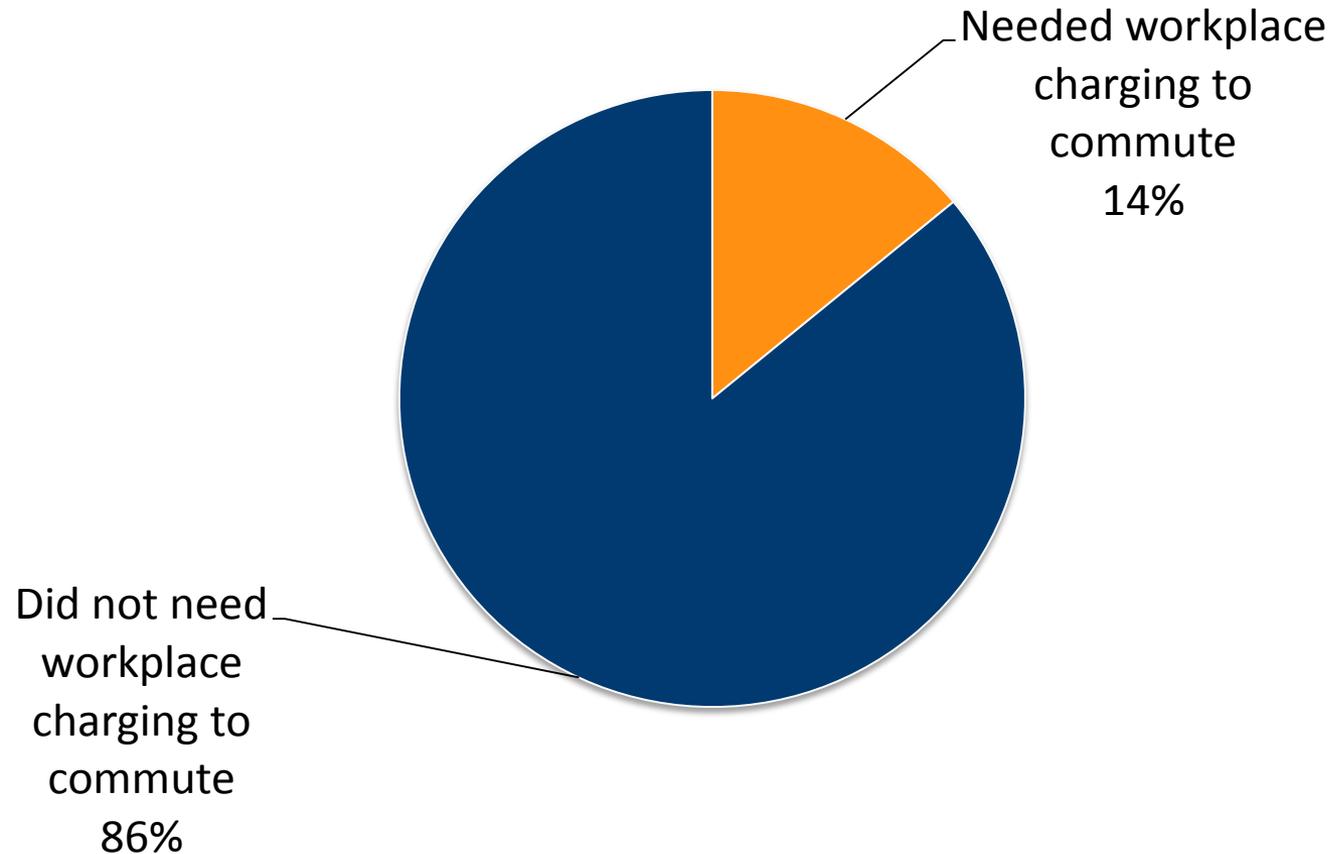


Chevrolet Volt



But how much is workplace charging really needed?

Charging behavior of Nissan Leaf drivers on most days



Just because it isn't needed doesn't mean it isn't valuable!

- ✓ Workplace charging provides security for variable BEV (Leaf) commuting needs.

14% need workplace charging MOST days (at least 50% of days)

43% need workplace charging SOME days (at least 5% of days)

- ✓ Workplace charging increases electric vehicle miles traveled.

Goal: Increase the number of employers offering charging by tenfold by 2018 (500 partners)



185+ Partner employers committing to provide employee EVSE

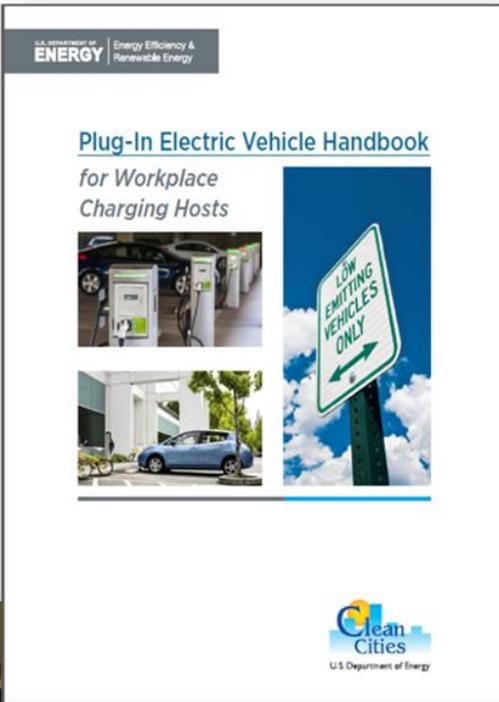
3,500+ EVSE installed or planned

350+ Worksites

Snapshot of 185+ partners



DOE provides tech assistance, best-practice sharing forum & recognition



- Employer Resources
- Employee Outreach Toolkit
- Webinars
- Workshops
- Quarterly Newsletters
- One-on-One Technical Assistance



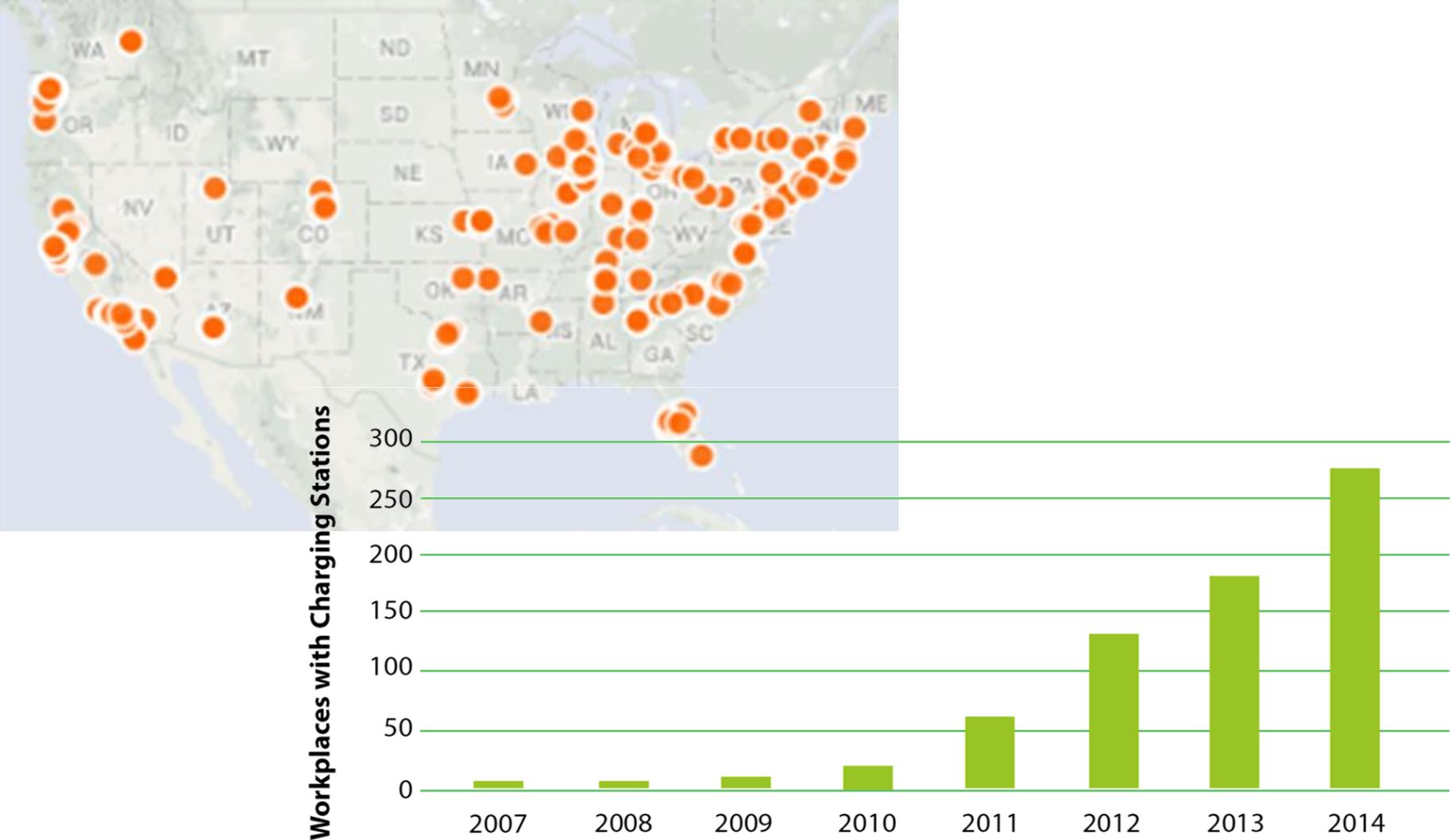
DOE and NE & ZEV States are working together to promote workplace charging

California	CA PEV Collaborative, CALSTART
Connecticut	Department of Energy and Environmental Protection
Maine	Maine Clean Communities Coalition
Maryland	Maryland Clean Cities, Maryland EV Infrastructure Council
Massachusetts	Mass DEP
New Hampshire	Granite State Clean Cities
New Jersey	NJDEP, NJ Clean Cities, North Jersey TPA
New York	NYSERDA, NYPA
Oregon	Drive Oregon, Oregon DOT
Rhode Island	Ocean State Clean Cities, RIDEM
Vermont	Drive Electric Vermont, Vermont Clean Cities

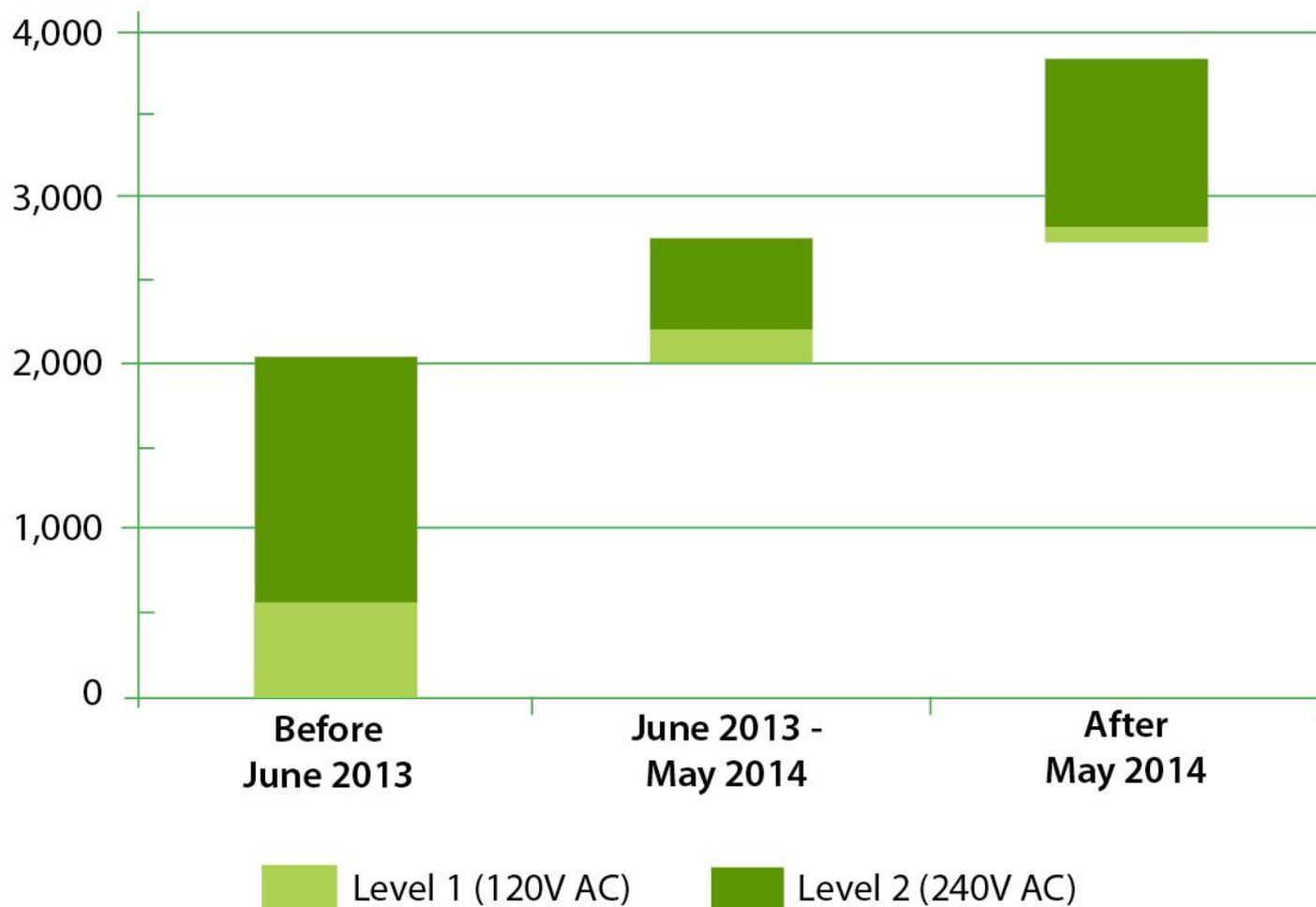
Other Ambassadors:

Advanced Energy * Clean Fuels Ohio * Center for Sustainable Energy * Edison Electric Institute
* EDTA * Electrification Coalition * Green Parking Council * Green Sports Alliance *
International Parking Institute * NextEnergy * Plug In America * Rocky Mountain Institute

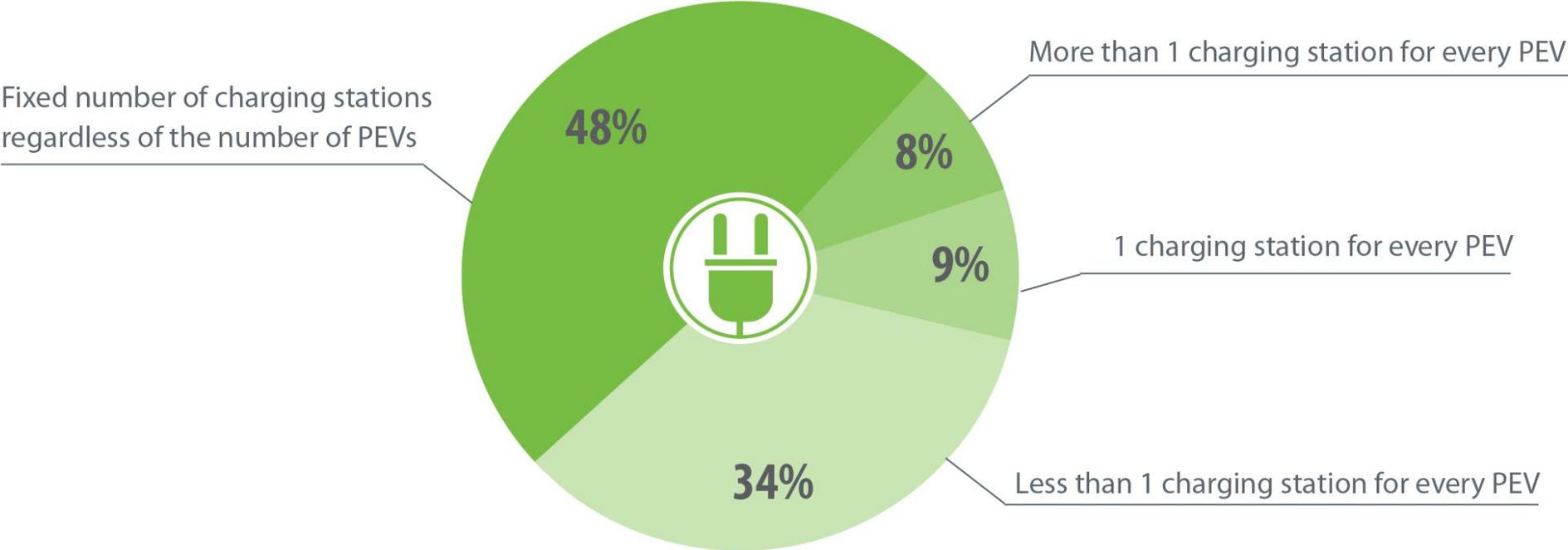
Number of worksites with charging access is on the rise



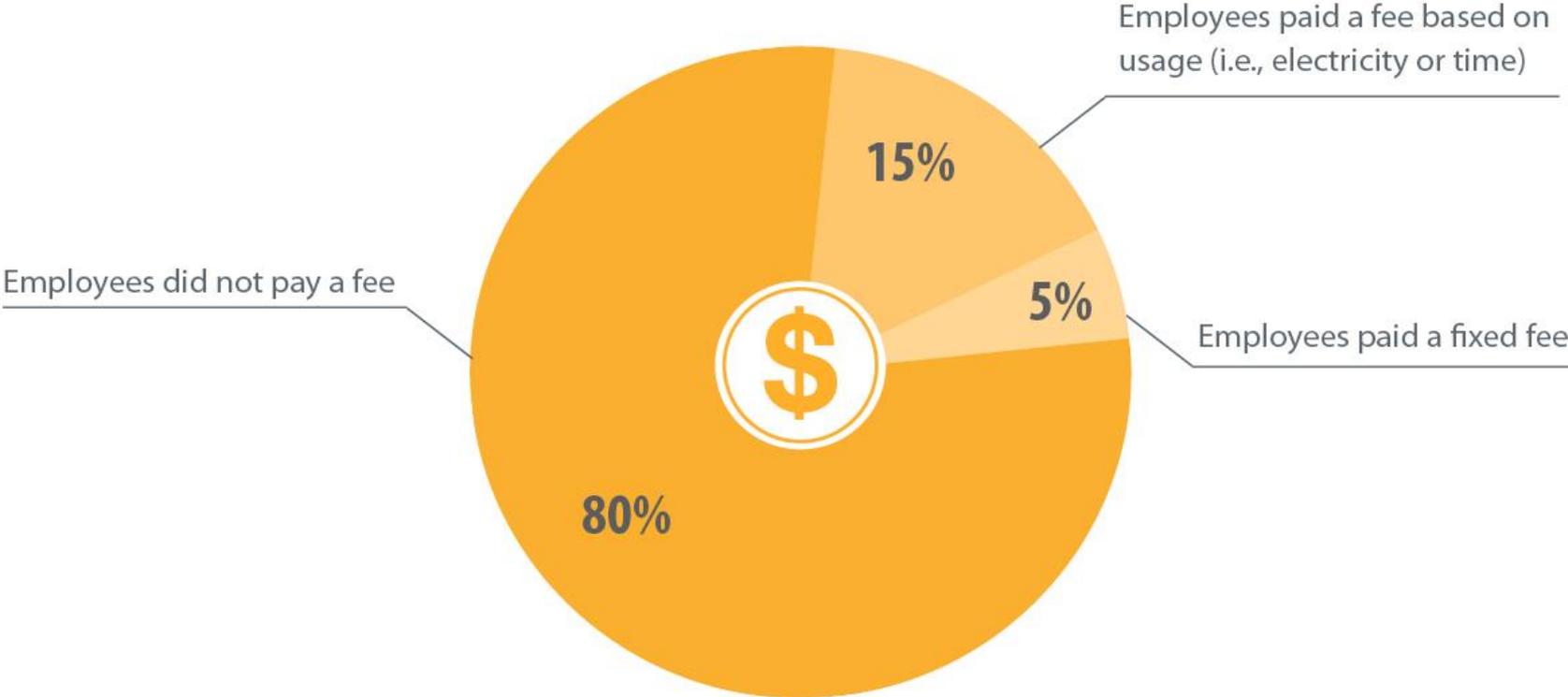
Installed & Planned Charging Stations Almost Doubled in the Last 2 Years



Employer plans for charging station installation



Employer billing policy



More workplace charging access = more PEV ownership

Partners' employees own over **5,000 PEVs** and they are **20x more likely** to drive electric than the average worker.





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Learn More: www.electricvehicles.energy.gov

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