

Expanding Commuter Options & Reducing GHG Emissions with Workplace Charging



Workplace Charging Challenge

U.S. DOE, Office of Energy Efficiency & Renewable Energy
October 31, 2013

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Coordinator

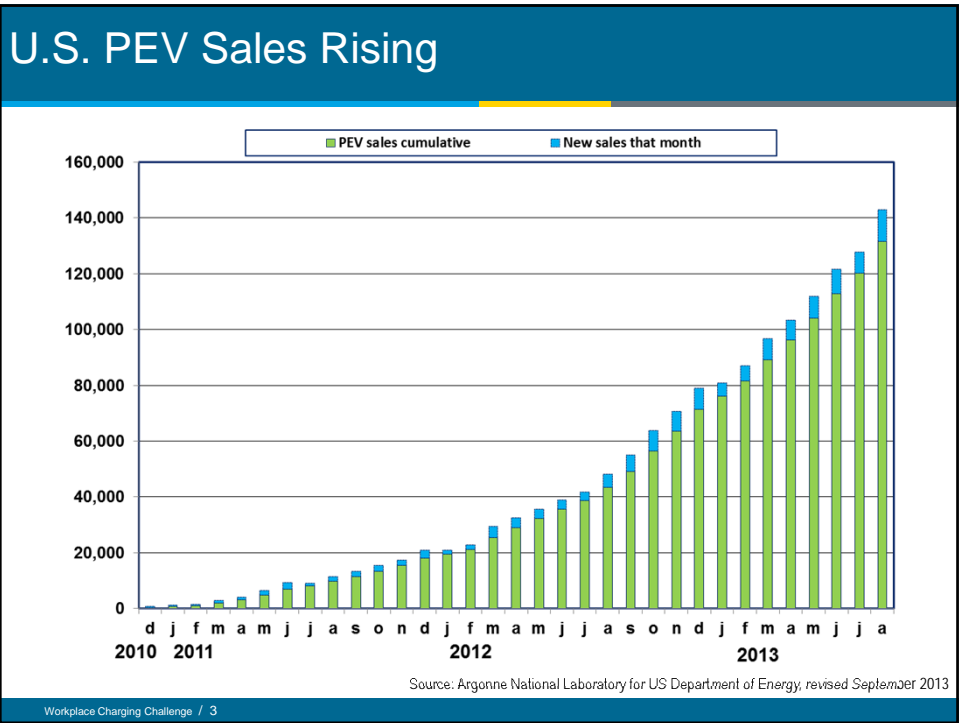
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Goal: Affordable & Convenient Plug-In Electric Vehicles (PEVs)



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Continued PEV Market Growth

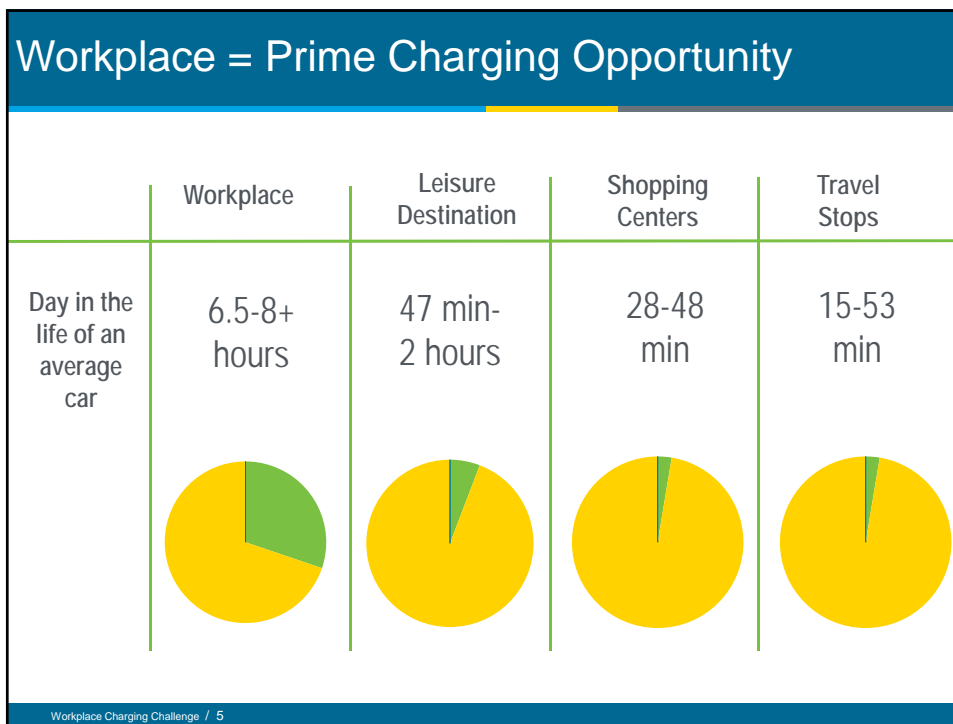
80%

Percent of PEV owners who plan to buy another PEV in the future


New PEVs Available for Consumer Purchase


- 2009
- 2010
- 2011
- 2012
- 2013

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Workplace Charging is Valuable to Employees





Peer Effect



Current PEV Drivers

- Increased range confidence
- Increased electric vehicle miles traveled

Potential PEV Drivers

- Increased PEV awareness and education

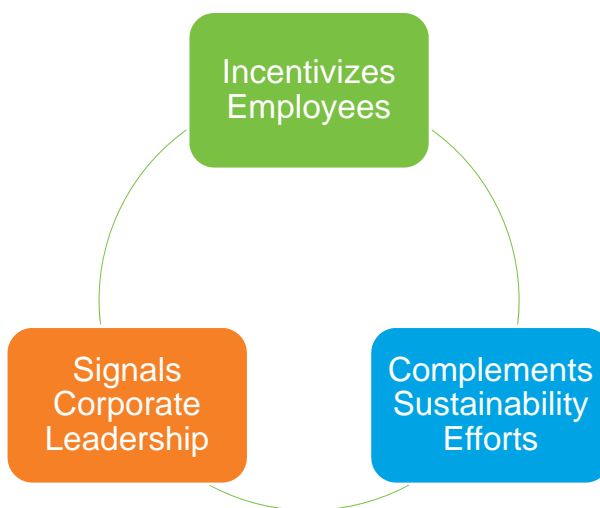
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Leading Employers Join Workplace Charging Challenge



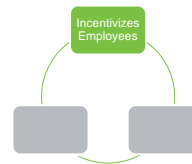
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Workplace Charging Value Proposition



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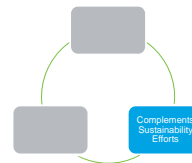
Incentivizes Employees



Our top candidate for the position included workplace charging as a key factor when making his decision about the job offer. We now have a charging station, a new producer, and other employees have decided to purchase EVs too. You can't put a price on that!

- lynda.com

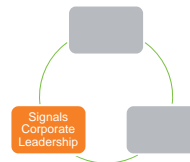
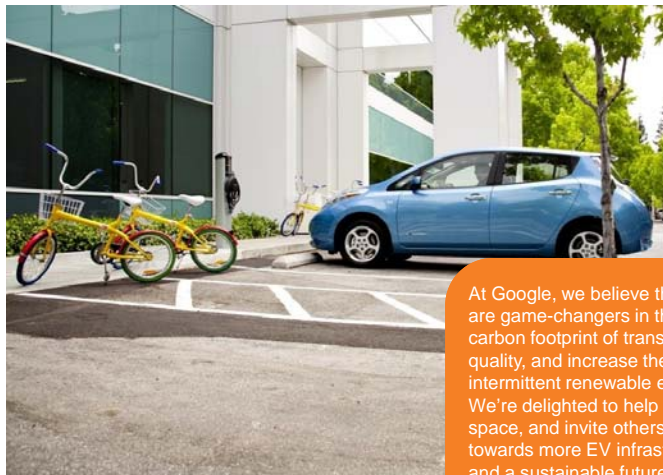
Complements Sustainability Efforts



Purchasing a plug-in electric vehicle and installing a charging station has expanded our sustainability efforts and allowed us to achieve Gold certification in the City of Portland's Sustainability at Work program.

- JLA Public Involvement

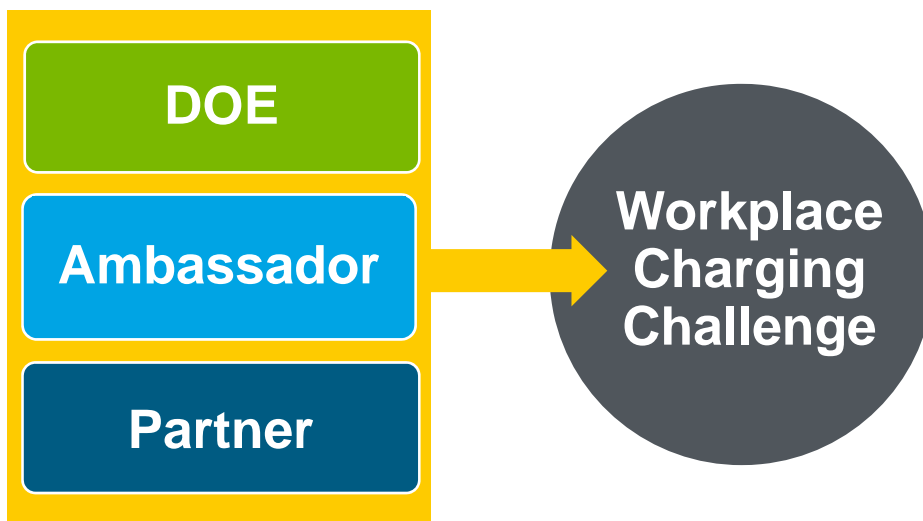
Signals Corporate Leadership



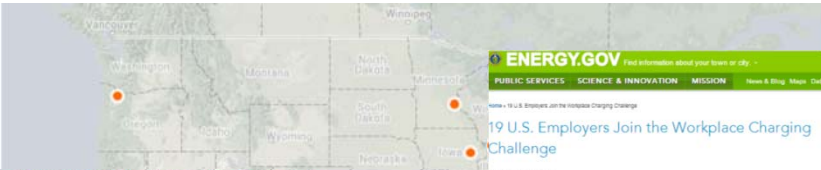
At Google, we believe that plug-in vehicles are game-changers in the effort to reduce the carbon footprint of transportation, improve air quality, and increase the adoption of intermittent renewable energy sources... We're delighted to help drive progress in this space, and invite others to join the charge towards more EV infrastructure, cleaner air, and a sustainable future.

- Google

Commitment-based Voluntary Partnership



Partner Recognition




Workplace Charging Challenge Partner: Cisco Systems, Inc.

Cisco supports the use of plug-in electric vehicles (PEVs) to reduce the carbon footprint of its operations and reduce its employees' commuting costs. Cisco has installed charging stations at a number of its campuses to encourage employees to purchase PEVs and use them for commuting. So far Cisco has installed 25 Level 2 charging stations with plans to double the number by year 2014.

Fast Facts

- **Joined the Workplace Charging Challenge:** March 13, 2013
- **Headquarters:** San Jose, CA
- **Charging Locations:** San Jose, CA; Research Triangle Park, NC; Lawrenceville, GA; Bobborough, MA
- **Domestic Employees:** 42,500



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19 U.S. Employers Join the Workplace Charging Challenge

May 11, 2013 - 2:56pm

As part of its Challenge commitment, the company installed electric vehicle charging stations for employee use at 14 of its locations across the country. (Photo courtesy of Intel, Inc.)

The market for plug-in electric vehicles (PEVs) is rapidly expanding - sales in the United States have tripled as Americans purchased more than 50,000 PEVs in 2012 alone. To accommodate this surge in PEV ownership, many leading employers are joining the Energy Department's Workplace Charging Challenge - a collaborative initiative to increase the number of U.S. employees offering workplace charging by twofold in the next five years. Since we launched the Workplace Charging Challenge in January as part of the Energy Department's EV Everywhere Grand Challenge, all employees have committed to providing PEV charging access to at least one of their vehicles - increasing the convenience of owning a PEV and providing employees with more options for charging their vehicles.

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National Recognition: The Challenge



Energy Sec. Chu: More Electric Vehicles, Less U.S. Dependence on Foreign Oil

Workplaces offer electric car charging for employees

Turning Employees On to Conservation

Could Electric Vehicles Fly Out of Showrooms?

Jump-starting electric vehicle sales with workplace charging stations

Go Ahead, Ask Your Boss About Workplace EV Charging

The New York Times

Human Resource Executive Online

Los Angeles Times

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National Recognition: Partners

MetLife Unveils Innovative Electric Car Charging Program for Its Employees at 14 U.S. Campuses

environmental LEADER
Energy & Environmental News for Business

WALL STREET JOURNAL

CBS Detroit

Auburn Hills Named Partner in Workplace Charging Challenge

Coca-Cola, GE join push for electric vehicle charging stations

Google, Ford, GE Pledge Workplace EV Stations

ajc The Atlanta Journal-Constitution

Lynda.com's New Workplace Perk: Electric Car Charging Station

VIRGINIA BUSINESS

socialTECH

Dominion installs vehicle charging stations on Richmond campus

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Workplace Charging Solutions

Procurement & Installation

- Understanding charging station options
- Understanding incentives
- Working with property owners
- Understanding permitting & zoning rules
- Working with electrical contractors
- Achieving ADA compliance
- Identifying optimal signage

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Workplace Charging Solutions

Management & Policy

- Monitoring electricity & usage
- Setting an employee pricing system
- Establishing employee fairness
- Working with utilities on demand charges
- Determining management logistics
- Communicating legal liability
- Developing parking etiquette



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Workplace Charging Challenge Partner



Program Background

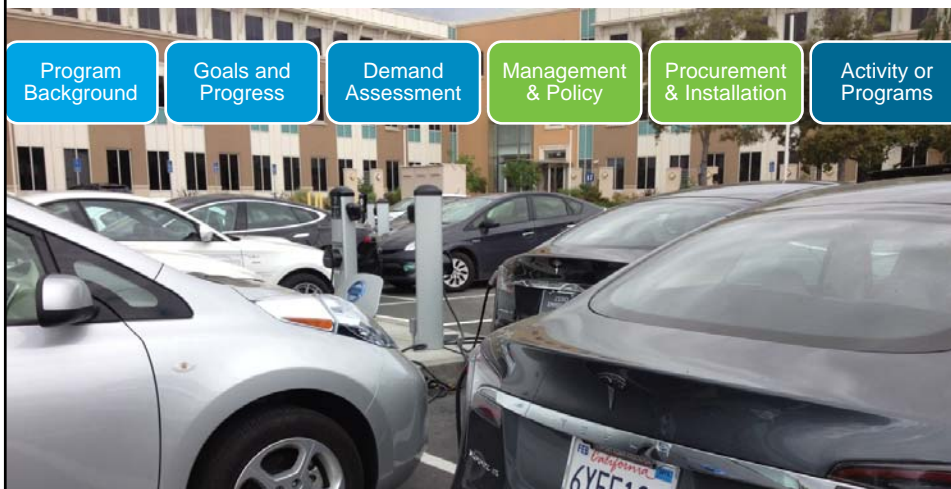
Goals and Progress

Demand Assessment

Management & Policy

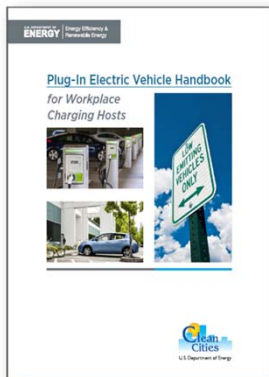
Procurement & Installation

Activity or Programs



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Is Workplace Charging Right for You



Let's continue the conversation



Learn more about the Workplace Charging Challenge



Build a successful workplace charging program



Let's Continue the Conversation

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