



DOT's Workplace Charging Program



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DOT Joins Workplace Charging Challenge

- DOT was the first Federal Agency to join DOE's Workplace Charging Challenge in 2015.
- DOT's goal is to provide 500 workplace charging Electric Vehicles Supply Equipment (EVSE) by 2025.



DOT's Strategy for Employee Workplace Charging

- Establish partnerships to leverage WPC technical experience.
- Identify employee interest in WPC opportunities.
- Develop internal guidance or policy for WPC.
- Pilot test the use of existing Level 1 Charging Receptacles (e.g., 120v wall outlets) at a parking facility.
- Pilot test the use of unmetered, level-two (UML 2) EV charging at sites with existing Federal EVs.



DOT Planned Actions

- Administer a limited-engagement survey of employee WPC interest.
- Consider the Council on Environmental Quality (CEQ) guidance to develop internal policy for WPC.
- Identify sites for pilot test of existing Level 1 Charging Receptacles.
- Identify Federal fleet sites for pilot test of existing unmetered, level 2 (UML 2) charging for employee EVs.

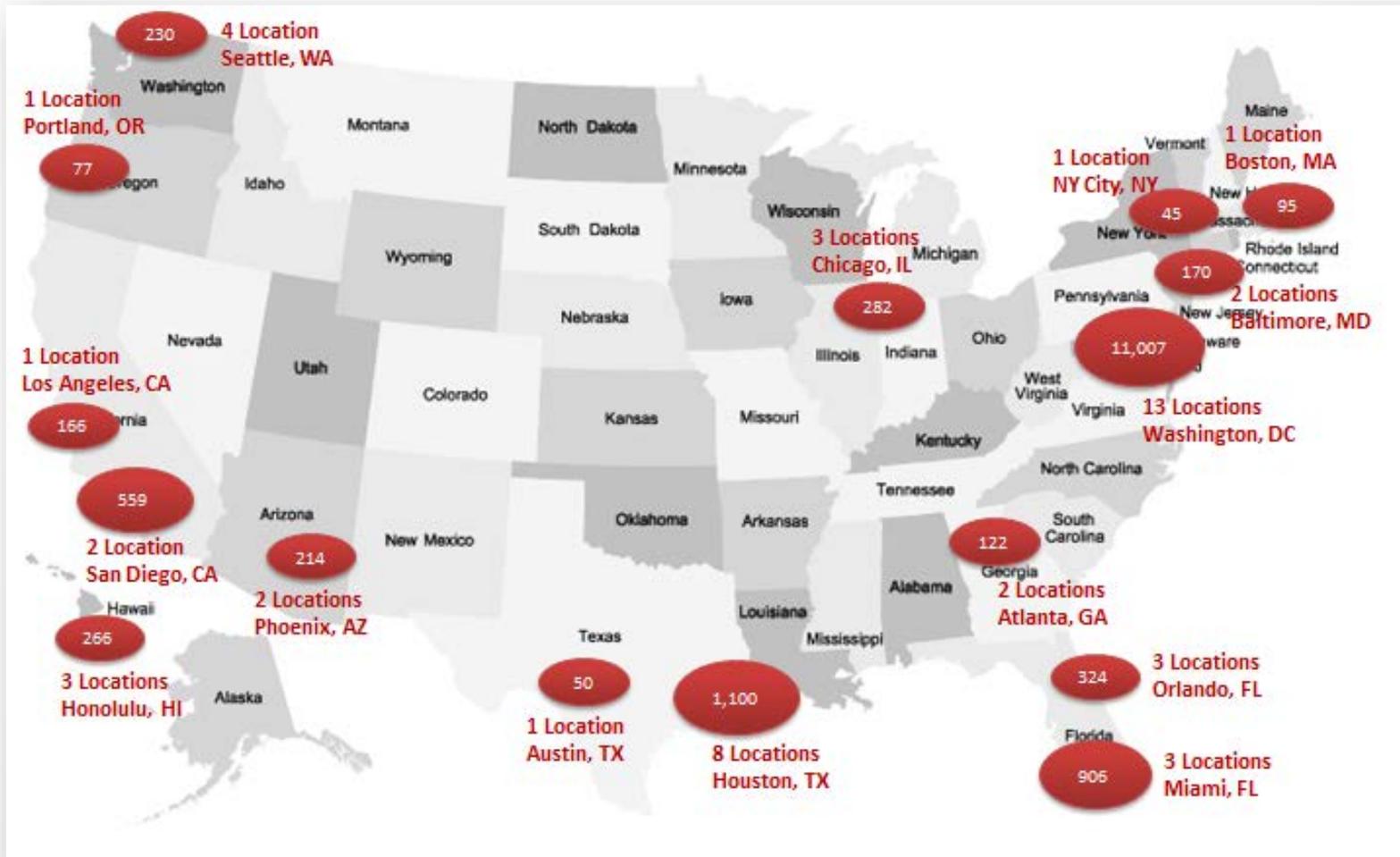


DOT's WPC Implementation Plan

- Identified locations with the largest number of DOT personnel.
- Mapped the locations to the top 16 EV friendly cities with the highest number of electric charging stations.
 - The probability of employees purchasing EVs in larger cities are higher than smaller cities.



DOT Locations for WPC Implementation





DOT's WPC Installation Plan

- Level 1 charging opportunities
 - 250 receptacles equals 500 charging opportunities

	FY17 5% Progress	FY18 10% Progress	FY19 20% Progress	FY20 30% Progress	FY21 40% Progress	FY22 50% Progress	FY23 60% Progress	FY24 80% Progress	FY25 100% Progress
Total	13	25	50	75	100	125	150	200	250

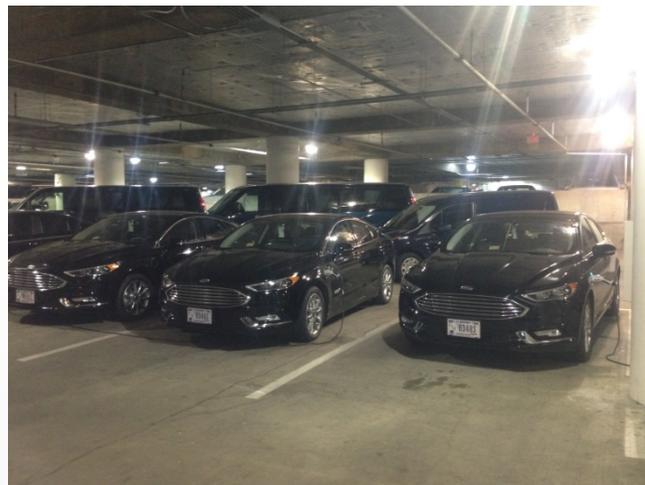


Workplace Charging Level 1





DOT's Motor Pool EV Level 2 Charging





Challenges

- Working with the Union
 - To identify potential EVSE sites
 - Drafting Policy
- Funding EVSE infrastructure
- Reimbursement fees