

2011 PLUG-IN READY WORK PLAN PROGRESS REPORT

CHARGING STATION INSTALLATION GUIDANCE			
ACTIVITY	LEAD	DELIVERABLE	STATUS
Commercial Charging Stations	DPD - Alford	Memo outlining permitting process, fees, and other considerations for commercial installations	COMPLETED Client Assistance Memo 133 - Installation of Electric Vehicle (EV) Charger for Commercial Properties was published by DPD
Business Charging Station Installation (ECOTality - EV Project)	OSE - Pinto de Bader	Working with ECOTality to find business hosts for charging stations	COMPLETED/ONGOING OSE staff worked with ECOTality to find and make contact with local businesses interested in hosting publicly available EV charging stations. The EV project installed 188 EV charging stations in single family properties (621 in region) and 60 in commercial locations (134 in region)
ROW Stations	SDOT - dePlace/OSE - Pinto de Bader	Memo outlining specifications and fees for installing charging stations in right of way. RFP and Franchise agreement	ON HOLD OSE is conducting a survey to assess 'garage orphan' demand for EV charging station access. Study results will provide basis for a policy recommendation regarding ROW charging

ON STREET CHARGING			
ACTIVITY	LEAD	DELIVERABLE	STATUS
Charging Station Special Use Ordinance	SDOT - Estey	Ordinance allowing charging stations as a special use parking designation	ON HOLD This item is on hold until results from the survey to assess 'garage orphan' demand for EV charging station access are available and a policy recommendation has been made

CITY PROPERTY STATIONS			
ACTIVITY	LEAD	DELIVERABLE	STATUS
Charging stations in city-owned properties - access issues	Library - Morrison FAS - Wiley S. Ctr. - Cubell OSE - Pinto de Bader	Policy and process recommendation to resolve issues such as City liability, Operations costs, public access, ADA access, billing, etc.	COMPLETED <u>Charging Station Installation:</u> ARRA funds from Western Washington Clean Cities Coalition were used to install 66 EV charging stations, 20 publicly available and 46 for City fleet use Public locations: City Hall (1), Seattle Center (3), Central Library (3), SeaPark Garage (6), Pacific Place Garage (7) Fleet locations: SMT (26), Police Park 90-5 Bldg (1), SCL So Service -(4), SPU Water Ops (2), Parks Westbridge Bldg (2), FAS Charles St. Maint (2), SCL No Service (4), FAS Haller Lake Maint (1), SCL Newhalem, WA (4) <u>Legislation:</u> Legislation was produced to establish a per-session fee for public use of City charging stations. The Plug-in Ready IDT agreed on a city-wide \$2.00 per-session fee <u>Outreach:</u> SCL and OSE produced information pieces to inform residents on EVs at SCL service centers and at locations with publicly available EV charging stations. SCL participated in speaking engagements and other outreach activities to inform the public on EVs. IDT members met with the Seattle Center Parking Operations Committee and the Gates Foundation to coordinate introduction of EV charging stations to the Seattle Center's Fifth Avenue Garage
RFP Installation of Charging Stations	FAS - Wiley	EVSE vendor selection 1/11; Installation Q1 & Q2	COMPLETED FAS issued a joint RFP with King County. Eaton and Charge NW were selected

CITY FLEET EV PURCHASES			
ACTIVITY	LEAD	DELIVERABLE	STATUS
Public Fleet purchases	FAS - Wiley	2011 EV acquisition plan, including subcompact and cargo vans	COMPLETED 37 Nissan Leafs were purchased in 2011 (26 - motor pool, 8 - SCL, 1 - parking enforcement, and 2 - SPU)

CITY FLEET EV PURCHASES			
ACTIVITY	LEAD	DELIVERABLE	STATUS
City EV fleet environmental impacts	SCL - Langdon FAS - Wiley	Collaborate with FAS to calculate GHG reduction	COMPLETED/ONGOING City Light worked with FAS to calculate GHG reductions from use of vehicles. SCL will subtract electric energy used GHG emissions from gallons avoided GHG non-emissions to come up with reductions. This is assuming that FAS and SCL fleets will have this data readily available

INFRASTRUCTURE NETWORK			
ACTIVITY	LEAD	DELIVERABLE	STATUS
Participate in Washington State Plug-in Electric Vehicle Task Force	OSE - Pinto de Bader/ SCL - Langdon	Develop a state EV roadmap and action plan. Prepare the State to compete for federal funding to support electrification of transportation. Propose strategies to support electrification of transportation in ways that create economic opportunity and protect the environment	COMPLETED/ONGOING SCL and OSE represented the City in meetings with regional groups such as the Washington State EV Task Force and Puget Sound New Energy Solutions. Seattle actively participated in the grant application for federal funds supporting EV planning
Charging station location tracking and infrastructure replacement	SCL - Langdon	Collaborate with DPD to keep track of EVSE location and determine the need for SCL transformer replacement as appropriate. EV Project data analysis (energy use and GHG reductions in SCL service territory)	COMPLETED City Light worked with DPD to track EVSE installations in the Seattle City Limits, and with other jurisdictions for the non-Seattle parts of the City Light service territory. SCL monitored transformer performance as well as distribution conductor capacity
Charging Station Signage & Wayfinding	SDOT - Estey FAS - Wiley	Link City's EV signage to product of State EV Task Force	COMPLETED The Puget Sound Clean Cities Coalition led the effort and provided funds for the production of standardized EVSE signage. Signage was delivered and installed in City parking facilities and garages housing publicly available

BUILDING STOCK CAPACITY FOR EVSE			
ACTIVITY	LEAD	DELIVERABLE	STATUS
Assess existing capacity of Seattle's housing stock for home charging	OSE - Pinto de Bader	Home Energy Audit summary of EV capacity	COMPLETED Home Energy Audit information was used to inform the survey to assess 'garage orphan' demand for EV charging station access