

2016 City of Portland Electric Vehicle Strategy Actions

| CHARGING INFRASTRUCTURE ACTIONS | | | Lead Bureau |
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| Buildings | | | |
| **A | 1 | EV-Ready for Multifamily and Commercial Buildings - Explore electric vehicle (EV) parking and charging infrastructure requirements in new multifamily and commercial construction projects that include parking. | BPS (BDS) |
| A | 2 | Technical Assistance for Chargers - Work with utility and community partners to provide technical assistance services to assist building managers and homeowners to install EV chargers. | BPS |
| A | 3 | Engage Builders and Architects - Work with partners to develop EV charging outreach and education materials and programs targeted to builders and architects. | BPS |
| **A | 4 | Funding for EV-Ready Affordable Housing - Seek funding to enable affordable housing projects to be EV-ready with, at a minimum, the necessary electrical capacity and conduit to enable EV chargers. | PHB (BPS) |
| **A | 5 | EV-Ready for Affordable Housing - Incorporate EV-ready provisions in the City's green building policy for affordable housing. | PHB (BPS) |
| **A | 6 | EV-Ready for PDC Supported Projects - Develop EV-ready provisions for new construction projects that trigger the LEED requirement and receive funding or incentives from the Portland Development Commission. | PDC |
| A | 7 | EV-Ready and Retrofits for City Buildings - Partner with community partners and private industry to develop a strategy to retrofit strategic existing City-owned buildings and facilities with EV chargers. Consider EV-ready construction requirements for new City buildings or major renovation projects that have parking. | BIBS (all bureaus) |
| **A | 8 | Funding for City Fleet Chargers - Develop a budget and funding mechanism to address the upfront costs for new EV chargers for City vehicles in City-owned and/or -managed buildings. | CBO (BPS) |
| Public Place Charging | | | |
| **A | 9 | EV-Ready and Retrofits for Parking Facilities - Explore the development of EV parking and charging infrastructure requirements in new and existing (public and private) parking structures and facilities. | BPS (BDS, PBOT) |
| **A | 10 | Public Awareness - Work with community partners to increase the public's awareness of EV chargers through improved signage, marketing and outreach. | BPS (PBOT) |
| **A | 11 | City Parking Facilities - Work to increase the utilization of existing EV chargers in City-owned and/or -managed parking lots and garages (e.g. SmartPark Garages). | PBOT |
| A | 12 | Park & Ride Charging - Encourage TriMet to continue installing and maintaining EV chargers at Park & Ride lots. | PBOT |
| A | 13 | Public Charging Partnerships - Work with utilities, Neighborhood Prosperity Initiative (NPI) districts and Main Street areas to install publicly accessible EV chargers. | PDC (BPS) |

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| A | 14 | EV Charging Hubs - Work with public and private partners to support the installation of multi-modal EV charging pods like Electric Avenue around the metro area. Include E-bike charging infrastructure in these electric mobility hubs. | PBOT (BPS) |
| A | 15 | Priority Areas for EV Charging - Work with community partners and utilities to install publicly accessible EV chargers in strategic locations. Prioritize EV chargers that serve low-income residences, including both multi-family and single-family housing. | BPS (PBOT) |
| **A | 16 | Right of Way Charging - Develop public right of way (ROW) priorities and policies to enable installation of publicly accessible EV chargers in strategic locations, and provide clear direction for public and private parties. | PBOT |
| **A | 17 | Public Charging on Private Property - Establish policies and processes that make it easier to provide publicly accessible charging on private property, and encourage private property owners to do so. | PBOT (BDS) |
| **A | 18 | EV Signage and Parking Standards - Develop policies and standards for EV signage and parking, including parking rates, time limits and "parking while charging" restrictions. | PBOT |
| **A | 19 | City-Owned and Maintained Chargers - Explore City ownership and maintenance of publicly accessible EV chargers, particularly in under-served areas. | PBOT (BPS) |
| **A | 20 | Abandoned EV Chargers - Establish a policy for addressing abandoned EV chargers in the right of way. | PBOT |
| **A | 21 | E-Bike Parking - Explore opportunities to integrate e-bike charging infrastructure into the City's bike parking Title 33 code update. | PBOT |
| **A | 22 | Major Public Works Projects - Identify opportunities to install EV chargers and/or conduits in conjunction with major public works projects in strategic locations and in streetscape planning. | BPS, PBOT (Water, BES) |
| **A | 23 | Streetlight Integration - Evaluate the integration of electric vehicle charging with streetlights in Portland. | PBOT |
| A | 24 | Utility Transportation Electrification Plans - Partner with local utilities to finalize and implement their transportation electrification plans. | BPS (PBOT) |

| | | FLEET ACTIONS | Lead Bureau |
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| | | People Transport | |
| B | 1 | Bus Electrification - Support TriMet's efforts to transition to electric buses and encourage the electrification of other people transport fleets (e.g., tour vehicles, taxis) in Portland. | BPS |
| B | 2 | Air Quality - Work with TriMet to use new electric buses along routes through portions of the city where air quality issues have the largest impact. | BPS |
| B | 3 | Integrated Transit and Shared EV Mobility - Explore options to integrate public transit and shared EV mobility options such as E-bikes and E-scooters and EV car-share vehicles. | BPS (PBOT) |

| | | CityFleet | |
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| **B | 4 | Clean Fuels Credits - Become a credit generator in the Oregon Clean Fuels Program for City-owned chargers. Adopt a policy to ensure that resources received from these types of credits are spent on EV-related projects. | BPS (BIBS) |
| **B | 5 | City EV Purchasing - Establish “electric first” guidelines directing City bureaus to purchase all-electric vehicles when the vehicle usage is compatible with available electric light-duty vehicles on the market. | CityFleet (BPS) |
| **B | 6 | City Employee Workplace Charging - Explore workplace charging for City employees working in and parking personal vehicles at City-owned and -managed facilities. Encourage City staff that must drive to work to drive electric vehicles. | BPS (BIBS, BHR) |
| | | Freight | |
| B | 7 | Electrifying Delivery Vehicles - Encourage and support the electrification of medium- and heavy-duty vehicles used in Portland for the delivery of goods and materials. | PBOT |
| B | 8 | Pilot Projects - Continue to explore urban consolidation centers and support innovative pilot projects to electrify delivery vehicles. | PBOT (BPS) |

| | | PERSONAL VEHICLES and SHARED MOBILITY ACTIONS | Lead Bureau |
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| C | 1 | EV Showcase - Support Drive Oregon's Northwest EV Showcase initiative, including helping to market the EV group purchase program, seeking funding to support the initiative and collaborating to develop the physical space. | BPS |
| C | 2 | Mobility Needs Assessment - Work with partners to leverage existing community mobility needs assessments and conduct additional engagement as necessary to ensure that EV solutions meet the needs of low-income populations and communities of color. | BPS |
| C | 3 | EV Incentives and Pilot Projects - Research financing options and work with partners to develop programs and incentives to reduce the barriers to EVs for low-income populations, communities of color and individuals with no or damaged credit, such as vouchers, instant rebates and EV car-share and E-bike pilot projects. | BPS (PBOT, PHB) |
| C | 4 | Purchasing Process Assistance - Encourage and support community partners such as Drive Oregon to help low-income Portlanders navigate the incentives, financing and other decision-making processes of buying or leasing new or used EVs. | BPS |
| **C | 5 | BIKETOWN Electrification - Continue to explore opportunities to partially electrify Portland's BIKETOWN bike-share program. | PBOT |
| C | 6 | Encourage taxi, car-share and ride-sourcing companies (such as Uber and Lyft) to utilize EVs in their fleets. Explore incentives to increase shared electric mobility options, particularly in areas with limited transportation options. | PBOT (BPS) |

| INNOVATION and INFORMATION ACTIONS | | | Lead Bureau |
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| D | 1 | Data Tracking and Sharing - Work with Oregon's Department of Environmental Quality and Portland State University to track and share data on the number of zero emission vehicles registered in Oregon and Multnomah County. | BPS |
| **D | 2 | Investment and Policy Decisions - Develop and utilize the best available information (e.g., charger location, EV car sales, demographics, vehicle-miles-traveled) to inform investment and policy priorities for the electrification of the transportation system. | BPS (PBOT) |
| D | 3 | Automated Vehicles - Seek opportunities to pilot electric automated vehicles (AVs). | PBOT (BPS) |
| D | 4 | Smart Cities - Partner with public and private stakeholders to integrate EVs into Smart Cities solutions and projects. | PBOT (BPS) |

| ECONOMIC DEVELOPMENT ACTIONS | | | Lead Bureau |
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| E | 1 | EV Sector Networking - Work with Drive Oregon, TriMet, Metro and Greater Portland Inc. (GPI) to increase networking among local EV manufacturers and customers, and introduce large regional companies to local green vehicle agencies. | PDC |
| **E | 2 | Employment Opportunities - Build resources to connect small- to medium-sized EV manufacturers with employment opportunities for qualified underemployed and unemployed residents. | PDC |
| **E | 3 | Opportunities for People of Color - Track effectiveness of EV economic development efforts in extending business and employment opportunities to people of color. | PDC |
| **E | 4 | Business Development Assistance - Prioritize business development visits and technical assistance to EV-related companies with middle-wage employment opportunities. | PDC |
| **E | 5 | Business Opportunities - Organize supply-chain and investor matchmaking events and trade show participation opportunities for existing EV firms to increase financing, sales and export opportunities. | PDC |
| **E | 6 | Marketing - Continue to market Portland's leadership in clean technologies utilizing Portland's "We Build Green Cities" brand to drive EV business development, relocation and expansion opportunities. | PDC |
| E | 7 | EV Conferences - Support efforts to bring major EV conferences to Portland. | PDC (BPS) |