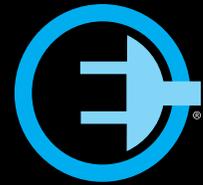


# ELECTRIC AVENUE

Plug in. Charge up. Drive on.



## FAQ

### LOCATION

Electric Avenue is located in Portland, Oregon on SW Montgomery Street between SW Broadway and SW Sixth Avenue on the Portland State University campus.

### ABOUT THE PARTNERS

Electric Avenue is a research project that allows electric vehicle (EV) and electric bicycle owners to park and charge up. It's a collaboration of Portland State University (PSU), Portland General Electric (PGE), and the City of Portland that showcases EVs, charging technology, and urban design through collaboration.

All partners devoted a lot of time to the project—concept design, project management, communication, problem-solving, and each partner's roles were essentially:

- » **PGE:** Technical expertise, installation of electrical infrastructure and charging stations, and energy usage information collection for joint research and development.
- » **PSU:** Project management, location improvements, and ongoing research.
- » **City of Portland:** Technical assistance and implemented changes to the right of way.

### ABOUT THE PROJECT

This joint research and development project is designed to address several objectives over the next two years:

- » To raise awareness among the general public of a parking and charging oasis in downtown Portland, serving a range of all-electric and plug-in hybrid passenger, urban freight and service vehicles.

- » Researchers at the Oregon Transportation Research and Education Consortium at PSU will use the site to expand data and research into the impact of electric vehicles on energy, transportation systems, and the built environment. The results will be shared with manufacturers and technology partners.
- » To provide a public showroom and launch site for low- and zero-emissions vehicles and charging stations that are potentially well-suited to the Portland region and of interest to the general public.
- » To allow the three sponsors (PSU, PGE, and the City of Portland) manufacturers, and technology partners to learn about the placement, use and maintenance of EV charging infrastructure in the urban setting.

### ABOUT THE TECHNOLOGY PARTNERS

The following electric vehicle service supply equipment (EVSE) companies—a.k.a. charging station providers—are partnering with PSU, PGE, and the City on this project.

- » **Eaton** ([eaton.com](http://eaton.com)) is providing two charging stations: a DC Quick Charge station and a Level 2 (240-volt) charging station—Leslie Swiantek, 724-880-1122, [leslie@largemouthpr.com](mailto:leslie@largemouthpr.com)
- » **ECotality** ([ecotality.com](http://ecotality.com)) is providing one Level 2 (240-volt) charging station, Amy Hillman, [ahillman@ecotality.com](mailto:ahillman@ecotality.com)
- » **General Electric** ([ge.com](http://ge.com)) is providing a Level 2 (240-volt) charging station, Ashley Kusowski, 860-378-9006, [kusowski@ge.com](mailto:kusowski@ge.com)

CONTINUES ON OTHER SIDE »

- » **Northwrite Inc** ([northwrite.com](http://northwrite.com)) provided metering equipment and ongoing energy data collection, Melissa Amoree, 503-430-5186, [mamoree@northwriteinc.com](mailto:mamoree@northwriteinc.com)
- » **OpConnect** ([opconnect.com](http://opconnect.com)) is providing a dual-headed Level 2 (240-volt) charging station, Dexter Turner, 503-553-9106, [dturner@opconnect.com](mailto:dturner@opconnect.com)
- » **Shorepower Technologies** ([shorepower.com](http://shorepower.com)), is providing a Level 2 (240-volt) charging station, Alan Bates, 503-810-7396, [abates@shorepower.com](mailto:abates@shorepower.com)
- » **SPX** ([spx.com](http://spx.com)) is providing a Level 2 (240-volt) charging station, Melinda Spangler, 586-533-9502, [Melinda.spangler@spx.com](mailto:Melinda.spangler@spx.com)

#### ABOUT THE CHARGING UNITS

- » Electric Avenue is designed to serve a range of electric vehicles, including: passenger vehicles; urban freight and service vehicles; neighborhood electric vehicles (NEVs); motorcycles; bicycles and even Segways.
- » All the charging stations on Electric Avenue provide vehicles with PGE renewable power.
- » Each technology provider offers either industry standard Level 1 (120V) outlet or Level 2 (240V) connectors, and in some cases both. A level 1 charger can restore a depleted passenger vehicle battery in 12-20 hours. A Level 2 charger can, refuel a depleted passenger vehicle battery in 4-8 hours.
- » The DC Quick Charger unit can refresh a depleted passenger vehicle battery to a 60% charge state in about 10-minutes and to 80% in about 20-25 minutes.
- » The paid parking meter time limit for the Eaton DC Quick Charging bay on Electric Avenue is 60 minutes. Cost of electricity is sponsored by PSU.
- » The paid parking meter time limit for all other Level 1 and Level 2 bays on Electric Avenue is 3 hours. Cost of electricity is sponsored by PSU.

#### ABOUT THE SITE

Electric Avenue is located in the heart of the Portland State University campus on S.W. Montgomery Street between S.W. Broadway and S.W. Sixth Avenues, approximately 7 blocks south of the downtown core of Portland, Oregon.

The location is noteworthy for several reasons:

- » This visible region of the City is home to 29,000 students and several thousand more faculty and staff, not to mention a substantial number of residents and workers in the area.
- » It intersects Portland's recently remodeled and highly acclaimed Sixth Avenue Transit Mall where the MAX light rail train, TriMet buses, the Portland Streetcar, automobiles, bicycles, car sharing services, and wide pedestrian boulevards join together in a symphony of mobility options.
- » The location serves as a gateway to other electrified transportation options in downtown Portland. For example, an EV driver could park, charge up, and then visit the PSU campus or the downtown area via the MAX or streetcar, using electrons as fuel rather than gasoline.
- » For electric vehicle drivers traveling through Portland, Electric Avenue is easily accessible from Interstate-5, Interstate-405, and U.S. Highway 26, offering Level 1, Level 2 and a DC Quick Charging units in a convenient and commercially viable area with a variety of nearby amenities.

#### FOR MORE INFORMATION

##### Media inquiries:

- » Scott Gallagher, Portland State University, 503-725-8789, [svg@pdx.edu](mailto:svg@pdx.edu)
- » Elaina Medina, Portland General Electric, 503-464-8790, [elaina.medina@pge.com](mailto:elaina.medina@pge.com)
- » Caryn Brooks, city of Portland, 503-823-1126, [caryn.brooks@portlandoregon.gov](mailto:caryn.brooks@portlandoregon.gov)

To reserve Electric Avenue or other PSU facilities for vehicle demonstration, launches, or seminars contact George K. Beard, Office of Research & Strategic Partnerships, 503-725-9817, [gbeard@pdx.edu](mailto:gbeard@pdx.edu)

