



Portland General Electric Opens North America's First Public-Use Quick-Charge Station for Electric Vehicles in Collaboration with NEC

Electric Vehicles Can Charge up in 20 to 30 Minutes

PORTLAND, Ore., Aug 05, 2010 (BUSINESS WIRE) -- Portland General Electric ([NYSE:POR](#)), Oregon's largest utility, and NEC Corporation ([NEC](#)) (TOKYO:6701), a leading network, communications and information technology company, announced today they have opened North America's first public-use, quick-charge station for electric vehicles.

The station was awarded public-use certification by the [City of Portland](#) following the successful installation and testing of the station manufactured by Takasago Ltd., a subsidiary of NEC, at the PGE headquarters in the Two [World Trade Center](#) parking garage, 121 SW Salmon St, Portland, Ore. The Takasago Rapid Charging Station is specialized for recharging electric vehicles with lithium-ion batteries and requires only 20 to 30 minutes to recharge a battery to 80 percent of full strength.

PGE and NEC officially opened the quick-charge station today with Governor Ted Kulongoski, who charged up an all-electric [Nissan LEAF](#), during a two-day LEAF test drive event at PGE. Portland and the state of Oregon have been designated as top-tier launch markets for the Nissan LEAF when it goes on sale in the United States in December.

"Quick-charging stations are an exciting advancement in our effort to bring electric vehicles to Oregon," said Gov. Kulongoski. "By making charging convenient and available for public use, we are telling car manufacturers that Oregon is ready for the next generation of electric vehicles -- and we want our state to be a leader in introducing these cars to the rest of the country."

"Partnering with NEC to bring the nation's first publicly available, quick-charge station to Oregon further solidifies PGE's commitment to developing the infrastructure needed to support electric vehicles now coming to the U.S. market," said Jim Piro, president and CEO, PGE.

"With the addition of the Takasago Rapid Charging Station to the growing network of EV charging stations in Oregon, we are able to further our research on how this new technology will interact with our electrical system and support our EV-driving customers," Piro added.

"This project reflects NEC's ongoing commitment to the development of new infrastructure that utilizes renewable resources. As a supplier of electric vehicle batteries, our introduction of the rapid electric vehicle charging station is a natural stage in the evolution of NEC's environmentally friendly solutions," said Hideki Niwaya, general manager, Public Utility Solutions Division, NEC. "Looking forward, NEC aims to continue developing mission critical solutions, including information and communications technologies (ICT) services and smart grids that represent the latest in technological innovation."

The Takasago Rapid Charging Station complies with the "CHAdeMO," a global EV charging standard developed in Japan. The station provides power output of 50kw (50-500V, 0-125A) and supports power input of AC200V±30V.

PGE's alliance partner, [Portland State University](#), and the [Oregon Transportation Research and Education Consortium](#) will document the acquisition, installation, certification, and testing procedures for this quick charger and release its findings in September.

About Portland General Electric

PGE, headquartered in Portland, Ore, is a fully integrated electric utility that serves more than 822,000 residential, commercial and industrial customers in Oregon. PGE is partnering with state and local government, higher education and businesses to expand the electric vehicle infrastructure in Oregon. For more information, visit www.PortlandGeneral.com/plugin.

About NEC Corporation

NEC Corporation is a leader in the integration of IT and network technologies that benefit businesses and people around the world. By providing a combination of products and solutions that cross-utilize the company's experience and global resources, NEC's advanced technologies meet the complex and ever-changing needs of its customers. NEC brings more than 100 years of expertise in technological innovation to empower people, businesses and society. For more information, visit NEC at <http://www.nec.com>.

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