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ENERDEL'S 5 MEGAWATT ENERGY STORAGE SYSTEM COMES ONLINE AS PART OF PORTLAND GENERAL ELECTRIC'S SALEM SMART POWER PROJECT

Solution Ties into PGE's Electric Power Grid to Support Renewable Integration, Back-up, and Peak Shaving Needs. Energy reliability is increased while diminishing environmental impact through reduced emissions.

INDIANAPOLIS (June 3, 2013) – EnerDel, Inc., a leading manufacturer of advanced Lithium-ion batteries and energy storage systems, has completed the commissioning of a 5MW energy storage system (ESS) used as part of Portland General Electric's (PGE) Salem Smart Power Project, which is part of the Pacific Northwest Smart Grid Demonstration Project. EnerDel's solution is comprised of five (5) 1MW systems featuring EnerDel's SP90-590 that were installed, tested and commissioned on-site in Salem, Oregon over the last several months.

"EnerDel is excited to be working with PGE to demonstrate how customers can benefit from the use of smart grid systems and technologies that incorporate energy storage for renewable resources, back-up power and peak shaving," stated EnerDel CEO David Roberts. "In collaboration with the other partners involved with the project, we support PGE's efforts to demonstrate the value that is afforded by smart grid solutions. Ultimately, grid security and reliability increases while decreasing energy costs and promoting a cleaner environment. PGE's decision to integrate renewable energy sources into the grid using EnerDel Li-Ion technology demonstrates forward thinking and affirms the adaptability of this technology."

EnerDel's ESS includes 1,440 rack-mounted lithium-ion battery modules monitored by an advanced battery management system to support a 5MW inverter array consisting of twenty (20) 250kW/62.5kWhr channels rated at 600VDC. Each channel will contain an independently-operated battery management system connected to a 250kW inverter. This configuration delivers a high level of control, flexibility and safety.

The ESS is part of the larger PGE power system comprised of five large breakers that bring power in and out of the building allowing the inverters to change the electricity from alternating current (AC) to direct current (DC) during the charging cycle. The direct current electricity is stored in EnerDel's ESS to be used during peak demand periods, or, as back-up power when there is a loss of utility supply. The same power system and inverters convert the clean DC to AC as the grid demands. This reserve electricity can be stored for several weeks at a time and drawn from to support the needs of more than 3500 residential and business customers thereby allowing PGE adequate time to make repairs and restore the grid.

The project will improve system reliability, support renewable resource integration and decrease peak-price risk. PGE expects the project to be operational for a minimum of 10 years.

About EnerDel

EnerDel, Inc. is a privately-held company headquartered in Indianapolis, IN. It manufactures advanced lithium-ion batteries and energy storage systems for electric utility, transportation and industrial applications. The company's prismatic cell design and modular stacking architecture combine to provide customers with production-ready solutions that address their power and energy storage needs. EnerDel's unique Guaranteed Residual Value (GRV) program offers customers a lower total cost of ownership (TCO) over the system's life. For additional information, visit www.EnerDel.com.

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