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Exelon Corporation's DC-IN-A-BOX™ Substation, a GridApp™-Supported Core Project, Receives *Utility Automation & Engineering T&D* 2005 Project of the Year Award

Pittsburgh, PA, March 17, 2006—Concurrent Technologies Corporation (CTC), operator of the GridApp™ Consortium, today announced that a GridApp™-supported core technology project—Exelon Corporation's DC-IN-A-BOX™ Substation Design—has received the 2005 *Utility Automation & Engineering T&D* Project of the Year Award in the category of Transmission & Distribution (T&D) engineering.

Utility Automation & Engineering T&D announced the award during the DistribuTECH 2006 conference in Tampa, Florida, on February 7, 2006. As a 2005 award winner, Exelon's DC-IN-A-BOX™ transformer project will be featured in *Utility Automation & Engineering T&D's*, March 2006 issue.

“Exelon's new Distribution Center (DC) substation design has redefined the fundamental nature of an electric substation in suburbia. What began as a request for a less expensive 34 kV–12 kV substation developed into a state-of-the-art compartmental transformer that can be applied in virtually any setting,” said James Crane, Research and Development Manager for Exelon Energy Delivery.

In 2005, Exelon installed and tested the first three DC-IN-A-BOX™ transformer sites in the world, with funding support for field performance evaluation from CTC through its cooperative agreement award from the U.S. Department of Energy's (DOE) Office of Electricity Delivery and Energy Reliability (OE). “We recognized the broad-use potential of the DC-IN-A-BOX™ technology and are pleased to have the opportunity to support its full development, so other utilities can replicate its use,” said Paul Wang, Program Director of the GridApp™ at CTC.

The tech transition is indeed happening. “The OE has recommended the use of Exelon's new design technology for consideration in rebuilding the electric infrastructure in New Orleans after hurricane Katrina. Also, five utilities have made inquiries to Exelon indicating their interest in deploying this technology,” said Eric Lightner, Program Manager at DOE. According to Thomas Callsen, Exelon Consulting Engineer and DC-IN-A-BOX™ award recipient, Exelon is constructing two additional DC-IN-A-BOX™ sites in 2006, with another eight identified for 2007.

The DC-IN-A-BOX™ transformer combines a 10 MVA pad-mounted transformer with high-power circuit breaker technology, resulting in a compact electrical substation design without many of the typical drawbacks of siting, operating, and maintaining an electrical substation. The beneficial features of the new design are best shown in the photographs below, as the new design to the right is completely self-contained and electrically isolated—with no need for barbed-wire fences and spill containment protection measures—and has a smaller footprint than a conventional design to the left. This innovative design provides the means for electric utilities to provide power to about 2,000 homes.

**Traditional DC****DC-IN-A-BOX™ Transformer****About GridApp™**

The Advanced Grid Applications Consortium (GridApp™) provides a fast-track process for engineering development, demonstration, and validation of selected high-impact technologies, with the mission of transitioning best technologies and best practices into broader use by member utilities. For more information, visit www.gridapp.org.

About Concurrent Technologies Corporation

Concurrent Technologies Corporation (CTC) is the GridApp™ organizer and provides management and technology transition support to GridApp™. Funding support to GridApp™ is provided by the U.S. Department of Energy (DOE) Office of Electricity Delivery and Energy Reliability (OE) and utility members. CTC is an independent, nonprofit, applied research and development professional services organization providing management and technology-based solutions to a wide array of clients representing state and federal government as well as the private sector. CTC employs over 1,400 employees at more than 35 locations. For more information, visit www.ctc.com and www.electricity.doe.gov.

About Exelon Corporation

Exelon Corporation is one of the nation's largest electric utilities with approximately 5.2 million customers and more than \$15 billion in annual revenues. The company has one of the industry's largest portfolios of electricity generation capacity, with a nationwide reach and strong positions in the Midwest and Mid-Atlantic. Exelon distributes electricity to approximately 5.2 million customers in northern Illinois and Pennsylvania and gas to more than 470,000 customers in the Philadelphia area. Exelon is headquartered in Chicago and trades on the NYSE under the ticker EXC. For more information, visit www.exeloncorp.com.

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