



PRESS RELEASE

AREVA Technologies Recognized with Top Industry Awards

CHARLOTTE, N.C., May 24, 2017 – Three U.S. utilities received awards for their use of innovative AREVA NP technologies. Exelon and Duke Energy received Top Innovative Practice awards from the Nuclear Energy Institute (NEI) for applications of AREVA NP’s ultra-high pressure cavitation peening and a phased array ultrasonic testing technique, respectively. AREVA NP also presented its Vendor Award to Entergy’s Waterford 3 for its development of a process to stabilize the discharge isolation valve and restore circulating water flow for operation. The awards were announced at NEI’s Nuclear Energy Assembly in Scottsdale, Ariz.

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“We are thrilled to congratulate Exelon, Duke Energy and Entergy, along with the other award recipients, on the recognitions they received,” said Gary Mignogna, president and CEO of AREVA Inc. “Their work shows the unique ways that the industry works to ensure the continued efficient and reliable operation of our nation’s reactor fleet. All of us at AREVA NP are proud to develop innovative technologies that continue to move the industry forward.”

Exelon and Duke Energy each received a Top Innovative Practice award.

- Exelon’s use of AREVA NP’s ultra-high pressure cavitation peening at the Byron and Braidwood generating stations represented the first applications of the technique on in-service reactor vessel heads in the world. Ultra-high pressure cavitation peening mitigates primary water stress corrosion cracking in Alloy 600. Exelon and AREVA NP collaboratively developed this first-of-a-kind cavitation peening process.
- At the Brunswick Nuclear Plant, Duke Energy and AREVA NP successfully completed a first-of-a-kind examination for intergranular stress corrosion cracking off-axis flaws on a boiling water reactor’s (BWR) pressure vessel. AREVA NP’s approach paired a phased array technique with a specialized multi-axis manipulator tool. This tool is capable of inspecting all vertical and horizontal welds in a pressure vessel. Before Duke Energy and AREVA NP developed this unique solution, a fully demonstrated and documented method for off-axis flaw detection and characterization did not exist.

AREVA NP also presented its Vendor Award to Entergy’s Waterford 3 plant in Killona, La. The award recognizes the plant’s innovative approach to repairing a stuck circulating water pump discharge isolation valve. The project team developed a process with first-of-a-kind tooling that kept the plant online and implemented a full repair to the plant component.

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MORE ABOUT AREVA

AREVA in North America (AREVA Inc.) combines U.S. and Canadian leadership to supply high added-value products and services to support the operation of the commercial nuclear fleet. Globally, AREVA is present throughout the entire nuclear cycle, from uranium mining to used fuel recycling, including nuclear reactor design and operating services. AREVA is recognized by utilities around the world for its expertise, its skills in cutting-edge technologies and its dedication to the highest level of safety. AREVA Inc.’s employees are helping build tomorrow’s energy model: supplying ever safer, cleaner and more economical energy to the greatest number of people. Visit us at <http://us.aveva.com> or follow us on [Twitter: @AREVAus](https://twitter.com/AREVAus).