

## Dominion VA Power's Warren County Power Station Takes Top Honors at Projects of the Year Awards

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Last night, seven projects from around the world were recognized during a gala event that kicked off Power Generation Week 2015 in Las Vegas. The annual Projects of the Year awards, hosted by *Power Engineering*, *Renewable Energy World* and *Nuclear Power International* magazines, are given to projects that are innovative, beneficial to the communities in which they are sited and technologically groundbreaking. This year, an overall Project of the Year was also recognized over all other finalists.

### **Overall Project of the Year and Best Natural Gas-Fired Project:**

[Warren County Generating Station](#)

Front Royal, Virginia

The PJM Interconnection LLC said Virginia-based utility Dominion needs 5,600 MW of generation in its service area by 2019. The 1,346-MW Warren County Power Station in Virginia was engineered and built by Warren County Energy Partners, a joint venture of Zachry and Burns and McDonnell, to help close that gap. The plant uses a 3-on-1 configuration with Mitsubishi Hitachi Power Systems Americas 501GAC combustion turbines, a 573-MW steam turbine, and Alstom heat recovery steam generators. The plant uses a thermal energy storage system and chillers from DN Tanks and Turbine Air Systems to reduce water use, store energy, and reduce its parasitic power load during peak demand. The system helps increase power output by approximately 130 MW on a 92-degree day