



Calvert Cliffs Nuclear Power Plant Earns a Place in History

Located about an hour south of Washington, D.C., Constellation Energy's Calvert Cliffs Nuclear Power Plant is an important part of Constellation Energy's generation fleet. The Constellation Energy team operates two nuclear reactors at Calvert Cliffs, generating about 1,700 megawatts of electricity each day – enough power for a third of Maryland's homes and businesses. In many ways, Calvert Cliffs has earned a place in nuclear energy history.

In the early 1970s, Calvert Cliffs became the first nuclear power plant team in the U.S. to work through an Environmental Impact Statement under the 1969 National Environmental Policy Act (NEPA). The environmental studies conducted concluded that Calvert Cliffs would produce electricity safely and efficiently in concert with the delicate environment of the Chesapeake Bay.

In 1975 and 1977, with an Environmental Impact Statement approved by the federal government, Calvert Cliffs began operations. The U.S. Nuclear Regulatory Commission licensed reactor Unit 1 through 2014 and Unit 2 through 2016.

In 2000, Constellation Energy's Calvert Cliffs made history again by becoming the first nuclear power plant in the nation to earn extended licenses from the U.S. Nuclear Regulatory Commission. The extended licenses represented a commitment to produce safe, reliable and efficient electricity at Calvert Cliffs through 2034 and 2036.

In 2003, Constellation Energy reached a world record by safely completing the Calvert Cliffs Unit 2 outage in 66 days. The outage included refueling, replacing the Unit's two steam generators' lower assemblies, refurbishing the steam generator upper assemblies, and replacing the Unit's two main step-up transformers.

During 2004, Constellation Energy achieved another U.S. energy industry record for duration in replacing three low-pressure turbines on Calvert Cliffs' Unit 1. The outage team completed this replacement five days ahead of schedule, working 105,000 hours in just 20 days with an excellent industrial safety record.

In 2005, Calvert Cliffs surpassed its own outage record completing Unit 2 refueling in 21 days – one of the shortest outages ever achieved for a Combustion Engineering-designed nuclear reactor.

During Calvert Cliffs' 2006 and 2007 refueling outages, the plant replaced and inspected systems and equipment as a proactive measure to help ensure continued equipment reliability through the remainder of its operating license. Equipment enhancements included reactor vessel head (RVH) replacements, a new turbine control system, containment sump modification, upgrades to main condenser and circulating water systems, as well as, reactor coolant system inspection and maintenance.



Constellation Energy's Calvert Cliffs Nuclear Power Plant produces enough electricity to power a fifth of Maryland's homes and businesses.

