

## PRELIMINARY NOTIFICATION

December 13, 2017

### PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE - PNO-III-18-001

This preliminary notification constitutes EARLY notice of events of POSSIBLE safety or public interest significance. Some of the information may not yet be fully verified or evaluated and is basically all that is known by the Region III staff on this date.

#### Facility

Clinton Power Station, Unit 1  
Exelon Generation Co., LLC  
Clinton, IL  
Docket No.: 05000461  
License No.: NPF-62

#### Licensee Emergency Classification

☐ Notification of Unusual Event  
☐ Alert  
☐ Site Area Emergency  
☐ General Emergency  
☒ Not Applicable

SUBJECT: UNPLANNED SHUTDOWN GREATER THAN 72 HOURS DUE TO LOSS OF POWER TO THE DIVISION 1 480 VOLT ALTERNATING CURRENT (VAC) BUS

On December 9, 2017, at 1347 CST, the Clinton Power Station, Unit 1, received numerous alarms in the control room indicating a loss of power to the Division 1 480 VAC bus. Plant operators responded to the alarms and indications for the loss of power and scrambled the reactor in accordance with their procedures.

The Division 1 480 VAC bus provides power to numerous safety systems at the plant. The redundant Division 2 480 VAC bus remained available and operable throughout the event. The plant is currently in a stable condition. There was no impact on public health and safety.

Following the plant shutdown, licensee personnel began investigation to the cause of the event and identified a ground fault in the Division 1 480 VAC transformer. The licensee plans to start up the unit later this week after the faulted transformer is replaced.

The resident inspector responded to the control room to monitor plant parameters and licensee actions. The NRC resident staff continues to monitor licensee actions of the repair activities.

The State of Illinois has been informed.

This preliminary notification is issued for information only.

The information presented herein has been discussed with the licensee, and is current as of 4pm on December 12, 2017.

ADAMS Accession Number: ML17347A129

Contact: K. Riemer  
(630) 829-9628  
Kenneth.Riemer @nrc.gov