

**Bonneville Power Administration**  
**Process for NERC Standard**  
**EOP-005 Blackstart Restoration Coordination**



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**Contents**

PROCESS PURPOSE: ..... 2

NERC Standard..... 2

NERC FUNCTION:..... 2

PARTICIPATING PARTIES:..... 2

EOP-005 Purpose..... 2

EXECUTED BLACKSTART AGREEMENTS:..... 3

PROCESS DETAIL:..... 3

    BOR/COE Responsibilities: ..... 3

    BPA Responsibilities: ..... 4

ACRONYMS:..... 5

CONTACTS:..... 5

REVISION OF THIS PROCESS:..... 6

    Document Revision History – INTERNAL:..... 6

    Version Control Block..... 6



## Process for NERC Standard EOP-005 EOP-005 Blackstart Restoration Testing Coordination

### PROCESS PURPOSE:

The purpose of this process is to outline the coordination between participating parties for the testing of GO owned Blackstart resources and the coordination of testing between the BOR, COE and BPA. This process is intended to assist the BOR and COE in their compliance of the EOP-005 standard and provide coordination between BOR, COE and BPA's TOOC organization.

### NERC Standard

Standard Number:	EOP-005-3
Title:	System Restoration From Blackstart Resources
Link:	<a href="#">EOP-005-3 System Restoration from Blackstart Resource</a>
Effective Date:	April 1, 2019

### NERC FUNCTION:

Transmission Operator (TOP)

Generator Owner (GO)

Distribution Provider (DP): as identified in TOP's Restoration Plan Transmission

Owner (TO): as identified in TOP's Restoration Plan

### PARTICIPATING PARTIES:

Bonneville Power Administration (BPA)

- Customer Service Reliability Program (CSRP)
- Transmission Accounting Services (TSES)
- Operations Control (TOOC)

United States Bureau of Reclamation (BOR)

United States Corps of Engineers (COE) – Portland District

United States Corps of Engineers (COE) – Seattle District

United States Corps of Engineers (COE) – Walla Walla District

### EOP-005 Purpose

The purpose of the EOP-005 Reliability Standard is to ensure plans, Facilities, and personnel are prepared to enable System restoration from Blackstart Resources to ensure reliability is maintained during restoration and priority is placed on restoring the Interconnection.



## Process for NERC Standard EOP-005 EOP-005 Blackstart Restoration Testing Coordination

### EXECUTED BLACKSTART AGREEMENTS:

The EOP-005 Blackstart Restoration Testing Coordination Process applies to the following executed MOU agreements:

- BOR Contract No. **11TX-15205**
- COE Portland Contract No. **12TX-15561**
- COE Seattle Contract No. **12TX-15563**
- COE Walla Walla Contract No. **12TX-15562**

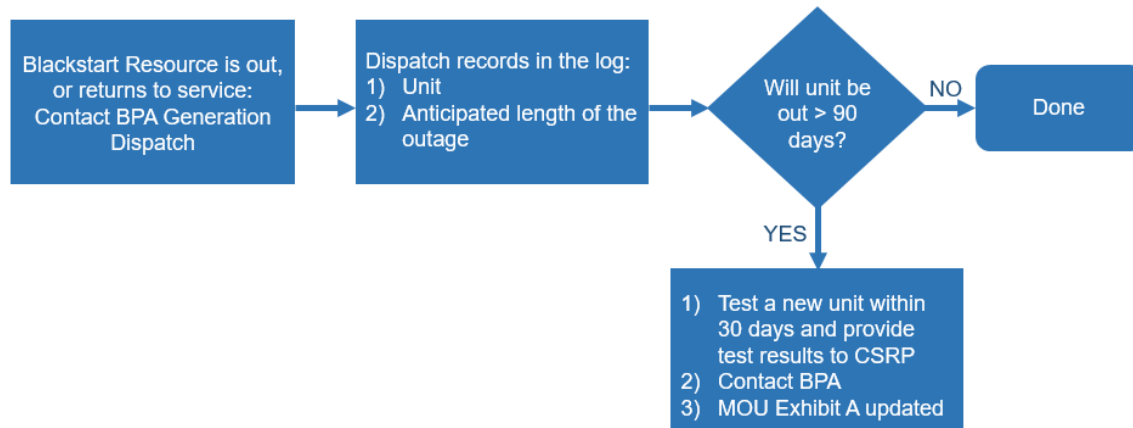
### PROCESS DETAIL:

#### BOR/COE Responsibilities:

- a) Ensure a Blackstart Resource is designated at all times and test the Blackstart Resource every three years.
- b) Within 30 days of a planned Blackstart Resource outage where the resource will be out for 90 days or longer, another Blackstart Resource will be tested and testing data coordinated with BPA.
- c) When there is a change to the capabilities of a Blackstart Resource, the BPA Dispatcher must be notified by phone within 24 hours, informing the BPA Dispatcher of the change in status. If the Blackstart Resource will be unavailable for more than 90 days:
  - Notify the BPA Transmission Account Executive to update the Identification of Blackstart Resource (Exhibit A) of the Blackstart MOU.
  - Notify the BPA CSRP mailbox to update the testing tracking tool.
- d) Should the Blackstart Resource fail to perform its intended function during the test, a corrective action plan will be provided to the CSRP mailbox within sixty (60) days of the test date.
- e) Following the scheduled testing of a Blackstart Resource and per the Blackstart Resource Testing Requirements found in exhibit B of the MOU Agreement, within 30 days of the test completion, provide documentation of test results to BPA via the CSRP mailbox. The EOP-005 Blackstart Testing Form is posted publicly at <http://transmission.bpa.gov/business/operations/>.

## Process for NERC Standard EOP-005 EOP-005 Blackstart Restoration Testing Coordination

### Blackstart Unit Change Process:



### BPA Responsibilities:

- a) In collaboration with USBR and USACE, develop and maintain the EOP-005 Blackstart Testing Process.
- b) Annually review contract exhibits and facilitate changes needed with the Reliability Implementation Technical Subcommittee (RITS) in order to maintain accurate and up-to-date information.
  - Upon finalization of exhibits, BPA/TSES to offer for signature accordingly.
- c) In collaboration with USBR and USACE, maintain the EOP-005 Blackstart Restoration Testing Coordination process.
- d) Develop and keep up-to-date the Blackstart testing tool (internal to CSRP) to prevent testing intervals from lapsing.
- e) Send reminder emails to COE/USBR RCPM's and compliance contacts 90 days prior to a units testing expiration date.
  - Keep record of COE/USBR testing intervals.
- f) Within three working days of receiving testing information, CSRP to:
  - Acknowledge back to the designated BOR/COE district contact(s) that the testing data had been received.
  - Log testing communication into SharePoint tracker system.
  - Route testing form to BPA Operations Control (TOOC) recipient.
- g) Coordinate MOU review process at least once every 3 years. (i.e., exhibit changes, ensure capitalized terms per the NERC Glossary are accurate and up-to-date, etc.).



## Process for NERC Standard EOP-005

### EOP-005 Blackstart Restoration Testing Coordination

- h) Provide expertise and support for USBR and USACE compliance with the EOP-005 reliability standard.
- i) Coordinate EOP-005 standard changes/revisions at the RITS quarterly meetings.
- j) Coordinate with the Reliability Coordinator (RC) appropriately.

### ACRONYMS:

- BPA – Bonneville Power Administration
- BOR – Bureau of Reclamation
- COE – Corps of Engineers
- CSE – (BPA) Customer Service Engineer
- CSRP – (BPA) Customer Service Reliability Program
- DP – Distribution Provider
- EOP – Emergency Operating Procedure(s)
- GO – Generator Owner
- GOP – Generator Operator
- NERC – North American Electric Reliability Corporation
- RC – Reliability Coordinator
- RITS – Reliability Implementation Technical Subcommittee
- TOOC – (BPA) Transmission Operations Control
- TOP – Transmission Operator
- TP – Transmission Planner

### CONTACTS:

#### USACE Walla Walla District

- Justin Dobbins, ([Justin.c.dobbins@usace.army.mil](mailto:Justin.c.dobbins@usace.army.mil))
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# Process for NERC Standard EOP-005

## EOP-005 Blackstart Restoration Testing Coordination

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## REVISION OF THIS PROCESS:

- 1) Prior to the effective date of any revisions to this standard, CSRP will validate information, review and revise this process as required.

### Document Revision History – INTERNAL:

Prior to the effective date of any revisions to this standard, CSRP will review and revise this process as required.

### Version Control Block

Version	Date Edited	By	Summary of Changes
0	11/17/2017	C.Higgins	Initial Draft
1	4/11/2019	C.Higgins	Updated process according to RITS review performed in the March 2019 timeframe: <ul style="list-style-type: none"> <li>• Removed summary statement</li> <li>• Strengthened process details</li> <li>• Added process a Unit Change Process diagram</li> <li>• Added TSES into process</li> <li>• Removed standard version from footer</li> <li>• Replaced Lorissa Jones with Ron Sporseen under BPA contacts.</li> <li>• Removed draft marks</li> <li>• Posted as final</li> </ul>



## Process for NERC Standard EOP-005 EOP-005 Blackstart Restoration Testing Coordination

1a	6/8/2020	C.Higgins	<ol style="list-style-type: none"><li>1. Correction made to the Blackstart Unit Change Process: "Test a new unit within 30 days and provide test results to CSRP.</li><li>2. Updated USACE Walla Walla contact to Justin Dobbins on page 5.</li></ol>
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