



## Department of Energy

Bonneville Power Administration  
P.O. Box 3621  
Portland, Oregon 97208-3621

FREEDOM OF INFORMATION ACT/PRIVACY PROGRAM

October 4, 2017

In reply refer to: FOIA #BPA-2017-01646-F

Rachel Monahan  
Willamette Week  
2220 NW Quimby Street  
Portland, OR 97210  
rmonahan@wweek.com

Dear Ms. Monahan:

This communication serves as the Bonneville Power Administration's (BPA) response to your request for agency records made under the Freedom of Information Act, 5 U.S.C. § 552 (FOIA). Your records request was received on August 14, 2017 and acknowledged on August 28, 2017.

### Request

"Emergency plans for a Cascadia subduction zone earthquake."

### Response

In accord with the FOIA requirements, BPA has conducted electronic searches of records in the following agency offices:

Continuity of Operations and Emergency Management  
Physical Security

Agency records responsive to your request were identified. BPA is releasing 80 pages with certain redactions applied. BPA is redacting parts of 29 pages under Exemption 6, and redacting parts of 2 pages under Exemption 2.

### Exemption 2

Exemption 2 to the FOIA permits withholding of agency information "related solely to the internal personnel rules and practices of an agency" (5 U.S.C. § 552(b)(2)). BPA invokes Exemption 2 to protect internet portals, telephonic meeting call-in numbers, and related passwords and passcodes found on the responsive records. Records protected by Exemption 2 may be discretionarily released. BPA considered discretionary release in accord with the guidelines set forth in Attorney General Holder's March 19, 2009, FOIA Memorandum. Agencies may decline to discretionarily release material when they reasonably foresee that disclosure would harm an interest protected by the statutory exemption. We have determined that these records should not be discretionarily released because public release will hinder agency operations.

**Exemption 6**

Exemption 6 of the FOIA protects information about individuals in "personnel and medical files and similar files" when the disclosure of such information "would constitute a clearly unwarranted invasion of personal privacy." The application of Exemption 6 requires balancing the public's interest in acquiring the information against the individual's privacy interests. If a significant privacy interest is found to exist, but there is no FOIA public interest in disclosure, the information should be protected. Here, BPA asserts Exemption 6 to withhold a limited amount of information including non-agency cell phone numbers which are not related to the business of BPA or the Executive Branch. BPA can find no public interest in the forgoing information and has therefore redacted it under Exemption 6.

**Certification**

Your FOIA request BPA-2017-01646-F is closed with all available agency records provided. Pursuant to 10 C.F.R. § 1004.7(b)(2), I am the individual responsible for the release and exemption determinations described above.

**Fee**

Your request for a FOIA fee waiver was granted on August 28, 2017. There are no FOIA fees applicable to the fulfillment of your request.

**Appeal**

This decision, as well as the adequacy of the search, may be appealed within 90 calendar days from your receipt of this letter pursuant to 10 C.F.R. § 1004.8. Appeals should be addressed to:

Director, Office of Hearings and Appeals,  
HG-1, L'Enfant Plaza  
U.S. Department of Energy  
1000 Independence Avenue, S.W.  
Washington, D.C. 20585-1615

The written appeal, including the envelope, must clearly indicate that a FOIA appeal is being made. You may also submit your appeal to [OHA.filings@hq.doe.gov](mailto:OHA.filings@hq.doe.gov), including the phrase "Freedom of Information Appeal" in the subject line. The appeal must contain all of the elements required by 10 C.F.R. § 1004.8, including a copy of the determination letter. Thereafter, judicial review will be available to you in the Federal District Court either: 1) in the district where you reside; 2) where you have your principal place of business; 3) where DOE's records are situated; or 4) in the District of Columbia.

You may contact BPA's FOIA Public Liaison, Sarah Westenberg, at the address on this letter header for any further assistance and to discuss any aspect of your request. Additionally, you may contact the Office of Government Information Services (OGIS) at the National Archives and Records Administration to inquire about the FOIA mediation services they offer. The contact information for OGIS is as follows:

Office of Government Information Services  
National Archives and Records Administration  
8601 Adelphi Road-OGIS  
College Park, Maryland 20740-6001  
E-mail: [ogis@nara.gov](mailto:ogis@nara.gov)  
Phone: 202-741-5770; Toll-free: 1-877-684-6448; Fax: 202-741-5769

Questions about this communication may be directed to James King, CorSource Technology Group, Inc., assigned to the BPA FOIA office, at [jjking@bpa.gov](mailto:jjking@bpa.gov) and 503.230.7621.

Sincerely,



C. M. Frost  
Freedom of Information/Privacy Act Officer

Attached: responsive records

# FCRPS Coordinated Continuity Plan

**This document contains information critical to internal operations to be shared only on a “need to know” basis.**

This document is maintained by the Bonneville Power Administration Continuity of Operations office, [continuity@bpa.gov](mailto:continuity@bpa.gov).

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VERSION	REVISION DESCRIPTION	DATE	AUTHOR
1.0	Finalized for 28 JAN 2016 tabletop exercise.	08 JAN 2016	P. Zwingli (BPA)
1.1	Changes based on findings at the 28 JAN 2016 exercise.	10 FEB 2016	P. Zwingli (BPA)
1.2	Version used for 01 MAR 2016 functional exercise.	19 FEB 2016	P. Zwingli (BPA)
1.3	Changes based on findings at the 01 MAR 2016 exercise.	26 APR 2016	P. Zwingli (BPA)
2.0	Finalized with 01 MAR 2016 exercise findings and feedback on V 1.3.	04 MAY 2016	P. Zwingli (BPA)
3.0	<ul style="list-style-type: none"> <li>• Add Review and Assessment of Reporting Needs (Phase 2, Task 8)</li> <li>• Add informing US DOE (Phase 1, Task 2, step 3)</li> <li>• Add note to report when a dam recovers access to systems used to view data needed for dam operations (Phase 2, Tasks 1, 2, 3)</li> <li>• Minor updates</li> </ul>	15 May 2017	P. Zwingli (BPA)
3.1	<ul style="list-style-type: none"> <li>• Incorporated FCRPS - CCP Contact List into this document as Appendix F (Corrective Action from 14 JUN 2017 exercise)</li> </ul>	16 AUG 2017	P. Zwingli (BPA)

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**APPENDIXES**

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- Appendix B: Sites to Receive Official Notice of FCRPS Coordinated Continuity Plan (CCP) Activation via Email/Columbia Basin Teletype (CBT)
- Appendix C: Access Procedures for the BPA Munro Control Center (MCC) and the Munro Scheduling Center (MSC) Complex
- Appendix D: Acronym Table
- Appendix E: Project Status Report Template
- Appendix F: FCRPS – CCP Contact List

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# 1. INTRODUCTION

## Background

Managing and operating the Federal Columbia River Power System (FCRPS) is complex and requires close coordination and the exchange of information among multiple entities, including the Bonneville Power Administration (BPA), the US Army Corps of Engineers (USACE), and the US Bureau of Reclamation (USBR). During a continuity incident, coordination and information flow will still be required in a degraded operating environment, creating the need for coordinated plans and procedures that are exercised on a regular basis before a disruptive incident – the FCRPS Coordinated Continuity Plan (CCP) addresses this need.

The CCP deals with the scenario of a major incident severely impacting all operations west of the Cascade Mountains, such as would be caused by a Cascadia Subduction Zone earthquake. In this scenario, the power system will be “generation rich and load poor,” meaning electricity supply (generation) will exceed electricity demand (load). Most load is west of the Cascade Mountains and will be lost until local distribution utilities can repair their systems and BPA transmission lines and substations are inspected and, if necessary, repaired. Most generation capacity is east of the Cascade Mountains, and therefore no significant impacts to generation capacity are expected.

In a “generation rich and load poor” environment, hydraulic objectives are more critical to coordinate than generation objectives. The CCP calls for USACE to take over providing direction for FCRPS operations from BPA, focusing on hydraulic objectives and suspending generation objectives until load recovers.

The CCP also addresses the need to keep lines of communications open. The BPA Control Center’s efforts to restore electrical service will be hampered if the Control Center is overwhelmed with incoming calls and requests for information. General status information and direction among generation sites, the BPA Control Center, and external parties will be coordinated by USACE, leaving the BPA Control Center free to communicate directly with generation sites as needed.

The CCP will likely be active for several days or weeks until BPA’s power scheduling operations can recover and provide direction for FCRPS operations using both generation and hydraulic objectives.

This document is maintained by the BPA Continuity of Operations office, [continuity@bpa.gov](mailto:continuity@bpa.gov).

## Scope of the FCRPS Coordinated Continuity Plan

The FCRPS CCP covers the response phase – to stabilize the situation and provide basic direction for operating the FCRPS until BPA’s Power Services scheduling function recovers. The following are outside the scope of the CCP:

- Damage inspections and repairs to the grid, dams, and other infrastructure
- Specific actions and detailed coordination to restore the electrical grid – these are included in separate emergency action plans and procedures

## Assumptions Used in Developing the FCRPS Coordinated Continuity Plan

**Note:** *These assumptions are aligned with the Federal Emergency Management Agency's (FEMA) Baseline Study for the Cascadia Earthquake, which also serves as the basis of regional planning for a Cascadia earthquake.*

1. Each site has emergency operating plans that will activate when an incident occurs. These plans establish the immediate operating priorities and procedures to ensure safe operating conditions that protect life/safety, and assets.
2. Infrastructure impacts (electricity, communications, transportation, water, sewer, etc.):
  - a) West of Cascade Mountains – severe impacts to the point of failure for several days to months
  - b) East of Cascade Mountains – infrastructure intact with only short-term impacts if any, such as blackouts due to islanding.
3. Operations impacts:
  - a) West of Cascade Mountains – all scheduling and control centers are non-operational and will be for several days to months.
  - b) East of Cascade Mountains – all functions will be operational.
  - c) BPA control center in Vancouver, WA devolves to the BPA control center in Spokane, WA.
  - d) USACE Northwestern Division (NWD) Reservoir Control Center (RCC) in Portland, OR [USACE-RCC(NWD)] devolves to the Walla Walla District (NWW) RCC in Walla Walla, WA [USACE-RCC(NWW)].
  - e) Most data critical for USACE RCC water management is available.<sup>1</sup>
  - f) USBR does not anticipate severe disruption to operational centers – it is anticipated that the Regional Emergency Coordination Center (RECC) in Boise, ID will be operational.
  - g) Major generation sites from The Dalles Dam and upstream are assumed to be functional. Bonneville Dam (USACE) may experience problems due to its westward proximity.
  - h) BPA transmission lines and substations may trip (shut down) due to sudden large load loss, requiring inspections before reenergizing.
  - i) BPA transmission lines and substations west of the Cascade Mountains may suffer physical damage.
4. There are enough alternate communications channels for each site east of the Cascade Mountains to ensure that at least one method will be available during a major disruptive incident west of the Cascade Mountains.

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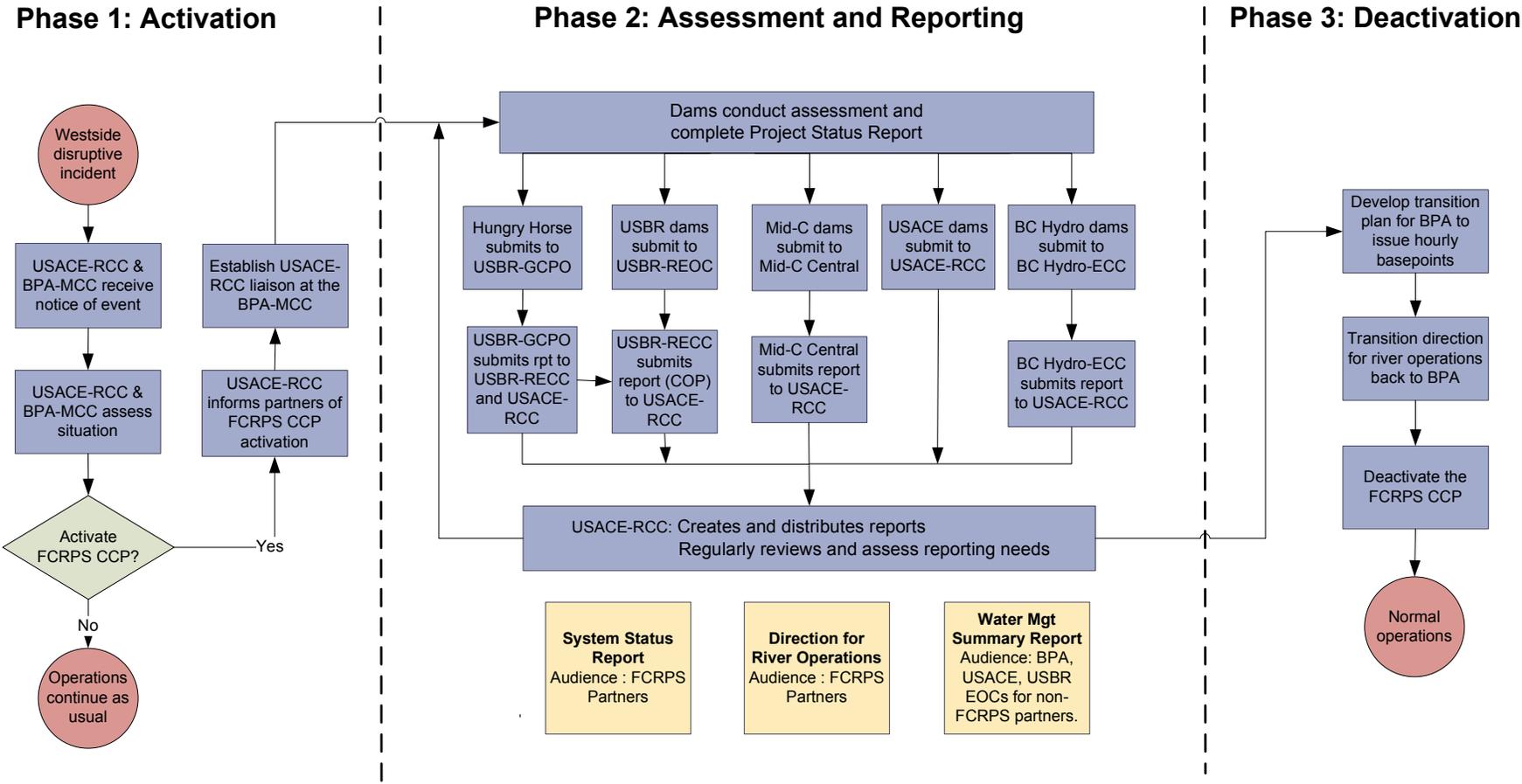
<sup>1</sup> Some critical data feeds west of the Cascade Mountains will likely be unavailable or unreliable. Columbia River basin data feeds may also be intermittent for a period of time due to overloading of data networks. Necessary data will mostly be available east of the Cascade Mountains but may be manually collected via available communications methods – this may result in an interval of diminished reporting as compared to non-emergency situations.

5. USACE-NWW EOC will be activated concurrently with USACE-RCC (NWW) to support their information management needs.
6. USACE-RCC(NWW) has the capability to gather and process the needed information to provide direction for FCRPS operations to meet hydraulic objectives until BPA's power scheduling operations recover.
7. BPA's Power Services scheduling function will recover and produce "basepoints" before load (power demand) increases to the point that the FCRPS must be operated to meet both hydraulic and power generation objectives.
8. USACE-RCC(NWW) anticipates receiving information from the US National Oceanic and Atmospheric Administration's (NOAA) River Forecast Center (RFC) in Salt Lake City, UT.

## What is Expected to Happen Concurrently with the FCRPS Coordinated Continuity Plan

1. BPA will do the following:
  - a. Assess and repair damage to the high-voltage power grid.
  - b. Reconnect the grid, including black start.
  - c. Power and Transmission scheduling staff from the Portland metro area will relocate to the Munro Scheduling Center in Spokane as soon as possible.
  - d. Vancouver, WA based Control Center staff will relocate to the Munro Control Center in Spokane as soon as possible to augment staff at the Munro Control Center.
  
2. USACE will do the following:
  - a. RCC staff from the Portland metro area will relocate to the RCC in Walla Walla, WA as soon as possible.
  - b. USACE will conduct both an initial and a detailed damage assessment of all USACE dams in the impact area as soon as possible, and will deploy staff and equipment to stabilize and repair any damage to the dams as soon as possible.
  - c. USACE will conduct an initial assessment of all USACE navigation structures and initiate efforts to repair damage to restore navigation as soon as possible.
  - d. USACE will assist FEMA in other assigned missions to include temporary power, emergency structural assessments, temporary shelter, debris removal etc.
  - e. USACE will inspect and may repair levees and other flood damage reduction structures impacted by the event.
  - f. USACE will assist the Department of the Defense in restoring military bases impacted by the event to working condition.
  
3. USBR will do the following:
  - a. Activate the Regional Emergency Coordination Center (USBR-RECC) in Boise, ID.
  - b. Assess the conditions of all the dams using the Ongoing Visual Inspection Checklist (OVIC) and send out structural teams to dams as necessary.

FCRPS Coordinated Continuity Plan Process Flow



COP: Common Operating Picture  
 USACE-RCC: USACE Reservoir Control Center (NWW)  
 USBR-RECC: USBR Region Emergency Coordination Center  
 USBR-GCPO: USBR Grand Coulee Power Office

BPA-MCC: BPA Munro Control Center (Spokane)  
 MCC/MSC: BPA Munro Control / Scheduling Center Complex  
 Mid-C: Mid Columbia

Regional Map with Key Sites Supporting the FCRPS Coordinated Continuity Plan



## 2. FEDERAL COLUMBIA RIVER POWER SYSTEM (FCRPS) COORDINATED CONTINUITY PLAN (CCP)

### PHASE 1: Activation

#### PHASE 1 – Assessment and Activation: 0-12 Hours from Start of Incident

##### Major Tasks in Phase 1:

1. Assess situation
2. Activate Coordinated Continuity Plan (CCP)

**Note:** *This phase may take up to 12 hours to complete after the disruptive incident, depending on the time of day and other circumstances specific to the incident.*

## PHASE 1: Activation

### TASK 1: Assess Situation

#### 1. BPA Munro Control Center (BPA-MCC):

Upon indication of incident occurring, try to contact Bonneville Power Administration's (BPA) Power Scheduling Hydro Desk to determine if the Hydro desk is operational. If there is no response at either of the following sites, assume that the BPA Hydro Desk is not operational.

- BPA Duty Scheduling Center (BPA-DSC) in Portland, OR
- BPA Emergency Scheduling Center (BPA-ESC) in Vancouver, WA

For contact information, refer to FCRPS - CCP Contact List (Appendix F).

**Note:** *The BPA-MCC is staffed 24/7. The USACE Reservoir Control Center (RCC) in Walla Walla District (NWW) [USACE-RCC(NWW)] in Walla Walla, WA, is not staffed 24/7, relying on 24/7 on-call status for emergency coverage. During non-core hours, the BPA-MCC Senior Dispatcher will contact USACE-RCC(NWW) to ensure they are informed of the incident.*

For contact information, refer to USACE-RCC(NWW) 24/7 on-call list sent out weekly via email to BPA-MCC Senior Dispatchers

**Refer to DSO 106 and 151**

#### 2. USACE-RCC(NWW):

Upon indication of incident occurring, try to contact RCC at Northwestern Division (NWD) in Portland, OR [USACE-RCC(NWD)] to determine if Columbia Basin Water Management (CBWM) is operational.

- a) Attempt to contact CBWM points of contact to assess the situation and the impact on CBWM functions. Simultaneously, and if possible, CBWM personnel will attempt to contact NWW.
- b) If communication is established, staff from the offices shall provide functional status update and any other information from the CAT/CRT and actively decide whether to immediately devolve, stand by, or to stand down.

## PHASE 1: Activation

- c) If USACE-RCC (NWW) and USACE-RCC(NWD) are not able to establish communication, USACE-RCC (NWW) shall begin preparations to assume CBWM functionality and shall stand by for no more than four (4) hours. If communications are not established within that time period, USACE-RCC (NWW) shall assume CBWM functionality and transmit appropriate notification. If communication is established within that 4-hour window, assumption of CBWM functions shall follow procedure described in b).

In either case, USACE-RCC (NWW) will advise the NWW Commander of the implementation of this plan, for further coordination of resources within the USACE command structure.

**Is the BPA Hydro Scheduling desk operating?**

**Yes: END** – do **NOT** activate the CCP.

**No: Proceed to Task 2.**

## PHASE 1: Activation

### TASK 2: Activate Coordinated Continuity Plan (CCP)

1. BPA-MCC Senior Dispatcher and USACE-RCC(NWW):

Either party initiates a telephone call to do both of the following:

- Formally agree to and coordinate activation of the CCP
- Coordinate USACE-RCC(NWW) staff working from the BPA-MCC.

See Appendix C for access procedures to BPA-MCC.

For contact information, refer to:

- FCRPS - CCP Contact List (Appendix F)
- USACE-RCC(NWW) 24/7 on-call list sent out weekly via email to MCC senior dispatchers

2. BPA-MCC Senior Dispatcher:

Approve activation of the CCP on behalf of BPA – includes devolving BPA’s role of directing river operations to USACE-RCC(NWW) AND declaring a Transmission System Emergency :

- Communicate the following message to the USACE-RCC(NWW) verbally (on a recorded line) or in writing (email or fax) :

“TIME & DATE: The BPA Munro Control Center, on behalf of BPA:

- “Declares a Transmission System Emergency, AND
- “Approves activation of the FCRPS Coordinated Continuity Plan and authorizes the USACE Walla Walla District Reservoir Control Center to act in BPA’s role of providing direction for river operations until such time as both BPA and USACE agree to BPA resuming this role.”

## PHASE 1: Activation

3. Inform FCRPS partners of the emergency and activation of the CCP.

a. BPA-MCC and BPA Public Relations:

- BPA-MCC: Contact BPA Public Relations to:
  - Inform that the FCRPS CCP is being activated
  - Confirm that all information requests received by BPA-MCC will be referred to the BPA Public Relations
- BPA Public Relations:
  - Call the BPA Continuity Office landline telephone number and leave a message informing them that the FCRPS CCP is being activated
  - Email or fax the following message to the US Department of Energy (USDOE):
    1. “The Mission Essential Function for BPA continues. We have devolved streamflow operations to the US Army Corps of Engineers in Walla Walla, WA”
    2. “If you have questions, contact me (YOUR NAME) at (TELEPHONE NUMBER and EMAIL ADDRESS)”

For contact information, refer to the [FCRPS - CCP Contact List \(Appendix F\)](#).



b. USACE-RCC(NWW):

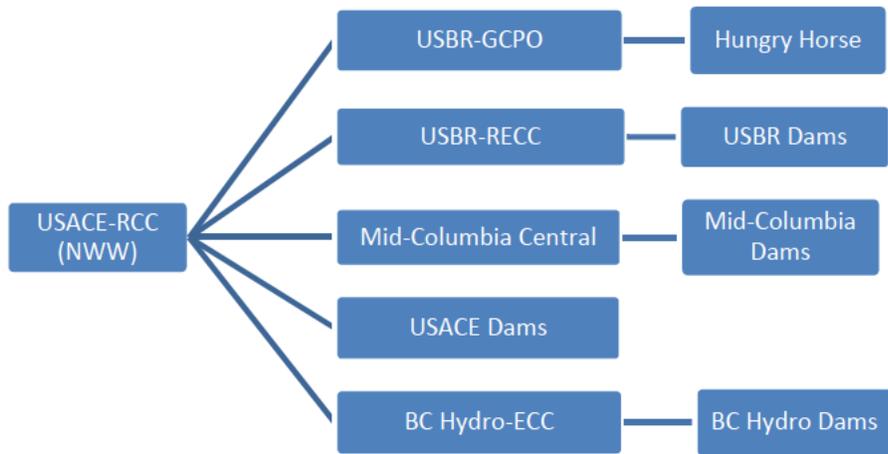
Using the best available method, contact the offices listed below to inform them that the CCP is being activated.

- US Bureau of Reclamation (USBR) Grand Coulee Power Office (USBR-GCPO) → will inform Hungry Horse
- USBR Regional Emergency Coordination Center (USBR-RECC) → will inform USBR dams
- Mid-Columbia (Mid-C) Central → will inform Mid-Columbia dams.
- BC Hydro Emergency Coordination Center (ECC) → will inform BC Hydro dams
- USACE dams

# PHASE 1: Activation

For contact information, refer to the [FCRPS - CCP Contact List \(Appendix F\)](#).

**NOTE:** Confirm correct party has received the message by asking them to repeat the Confirmation Code: "(b) (2) \_\_\_\_\_." If one of the listed offices cannot be reached, contact the dams directly (see list in Appendix B).



c. USACE-RCC(NWW):

Use the text in Appendix A of this plan to create the activation announcement.

b) USACE-RCC(NWW):

Send out the formal activation announcement (see Appendix A) and the Project Status Report Template (send XL file or see Appendix E ) via email/Columbia Basin Teletype (CBT), or fax to all sites including dams.

See Appendix B for a list of sites to be informed.

For contact information, refer to the [FCRPS - CCP Contact List \(Appendix F\)](#).

## PHASE 2: Assessment and Reporting

### PHASE 2 – Assessment and Reporting

*Phase 2 will be repeated on a schedule and frequency defined by USACE-RCC(NWW) until the FCRPS CCP is deactivated (See Phase 3, Task 2). The FCRPS CCP may be active for several days or weeks.*

#### Major Tasks in Phase 2:

Task	Schedule
1. Conduct site assessment (USBR)*	Daily.
2. Conduct site assessment (Mid-Columbia)*	During the incident USACE-RCC(NWW) will regularly review and assess the reporting schedule and change as needed.
3. Conduct site assessment (USACE)*	
4. Conduct site assessment (BC Hydro)	
5. Create and distribute System Status Report (status report for FCRPS partners)	Daily.
6. Create and distribute Water Management Summary Report (external situation report)	During the incident USACE-RCC(NWW) will regularly review and assess the reporting schedule and change as needed.
7. Provide direction for river operations (for FCRPS partners).	Daily at 10 am (Pacific Time Zone).  During the incident USACE-RCC(NWW) will regularly review and assess the reporting schedule and change as needed.
8. Review and Assess Reporting Needs	Daily at 10 pm or as needed.

- \* *The goal is to complete tasks 1, 2, and 3 within the first 6 hours after activation of the plan with the best available information. Depending on the actual circumstances of the incident, some sites may not be able to conduct an assessment and provide a report within 6 hours.*

## PHASE 2: Assessment and Reporting

### TASK 1: Conduct Site Assessment (USBR)

Daily or as requested by USACE-RCC(NWW)

1. Grand Coulee Power Office (USBR-GCPO) – for Grand Coulee and Hungry Horse dams:
  - a) Perform assessment for Grand Coulee and Hungry Horse dams as part of the Ongoing Visual Inspection Checklist (OVIC) in the Emergency Action Plan (EAP).
  - b) Submit the Project Status Report (see Appendix E) to:
    - USBR-RECC
    - USACE-RCC(NWW)

**Note:** *As soon as a dam recovers access to systems used to view data needed for dam operations, include news of this change in the report.*

For contact information, refer to the [FCRPS - CCP Contact List](#) (Appendix F).

2. Other USBR dams (only if requested):
  - a) Perform assessment as soon as possible as part of the OVIC in the EAP.
  - b) Submit the Project Status Report to USBR-RECC.

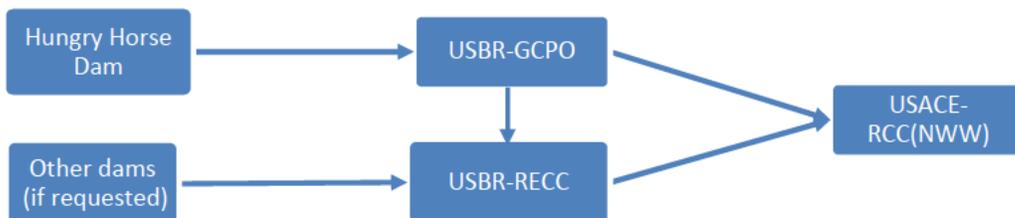
For contact information, refer to the [FCRPS - CCP Contact List](#) (Appendix F).

### 3. USBR-RECC:

Prepare the common operating picture (COP) and submit the USBR Project Status Report to USACE-RCC(NWW) using one the following methods (listed in order of preference):

- Email
- Fax
- Telephone

For contact information, refer to the [FCRPS - CCP Contact List](#) (Appendix F).



## PHASE 2: Assessment and Reporting

**TASK 2: Conduct Site Assessment (Mid-Columbia)**  
 Daily or as requested by USACE-RCC(NWW)

1. Each Mid-Columbia dam:

Perform site assessment and submit the Project Status Report (see Appendix E) to Mid-C Central.

For contact information, refer to the [FCRPS - CCP Contact List \(Appendix F\)](#).

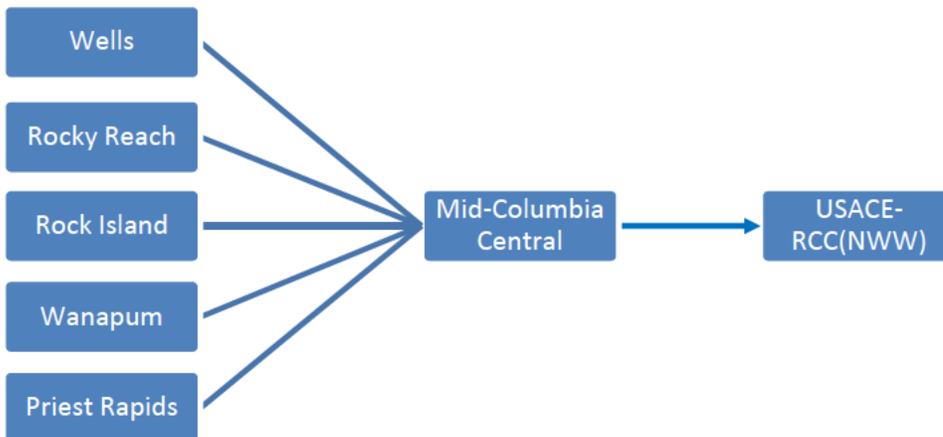
**Note:** *As soon as a dam recovers access to systems used to view data needed for dam operations, include news of this change in the report.*

2. Mid-Columbia Central:

Prepare and submit the Mid-Columbia Summary Project Status Report to USACE-RCC(NWW) using one the following methods (listed in order of preference).

- Email
- Fax
- Telephone

For contact information, refer to the [FCRPS - CCP Contact List \(Appendix F\)](#).



## PHASE 2: Assessment and Reporting

### TASK 3: Conduct Site Assessment (USACE)

Daily or as requested by USACE-RCC(NWW)

The following USACE dams conduct initial site assessments: Bonneville, The Dalles, John Day, McNary, Chief Joseph, Ice Harbor, Lower Monumental, Little Goose, Lower Granite, Libby, Albeni Falls, Dworshak. Willamette dams may be added at a later time (see Phase 2, Task 8)

1. Each USACE dam:

Perform assessment and submit the CORPS Ops Project Daily Status Report to USACE-RCC(NWW):

**Note:** *As soon as a dam recovers access to systems used to view data needed for dam operations, include news of this change in the report.*

2. USACE-RCC(NWW):

Prepare and submit the USACE Project Status Summary Report to the Walla Walla USACE Emergency Operations Center (EOC) (USACE-NWW EOC).

### TASK 4: Conduct Site Assessment (BC Hydro)

Daily or as requested by USACE-RCC(NWW)

1. BC Hydro Emergency Coordination Center (ECC) (BC Hydro-ECC):

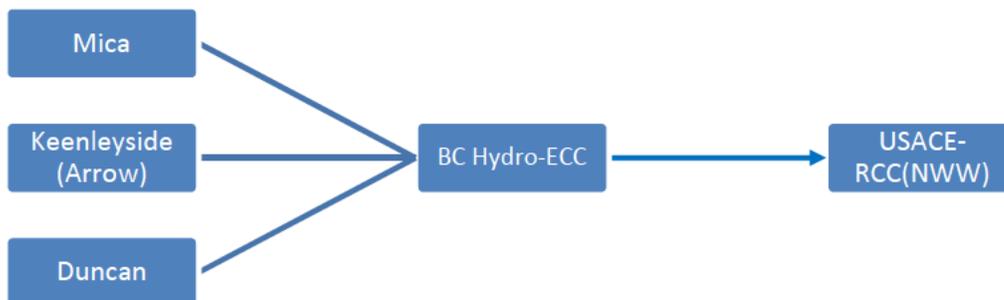
Collect status on Mica, Hugh Keenleyside (Arrow), and Duncan dams as soon as possible.

**Note:** *USACE-RCC(NWW) may request that other dams to provide site assessments.*

2. USACE-RCC(NWW) and BC Hydro-ECC:

USACE-RCC(NWW) initiates daily telephone call to discuss status.

For contact information, refer to the [FCRPS - CCP Contact List \(Appendix F\)](#).



## PHASE 2: Assessment and Reporting

### TASK 5: Create and Distribute System Status Report

Daily

The System Status Report is the complete listing of information from all Project Status Reports:

- Information in this report may **not** be released to non-FCRPS partners.
- Format is defined (table).
- Provides FCRPS partners with an overview of the system.

1. USACE-RCC(NWW):

Compile information from the Project Status Reports and produce the System Status Report.

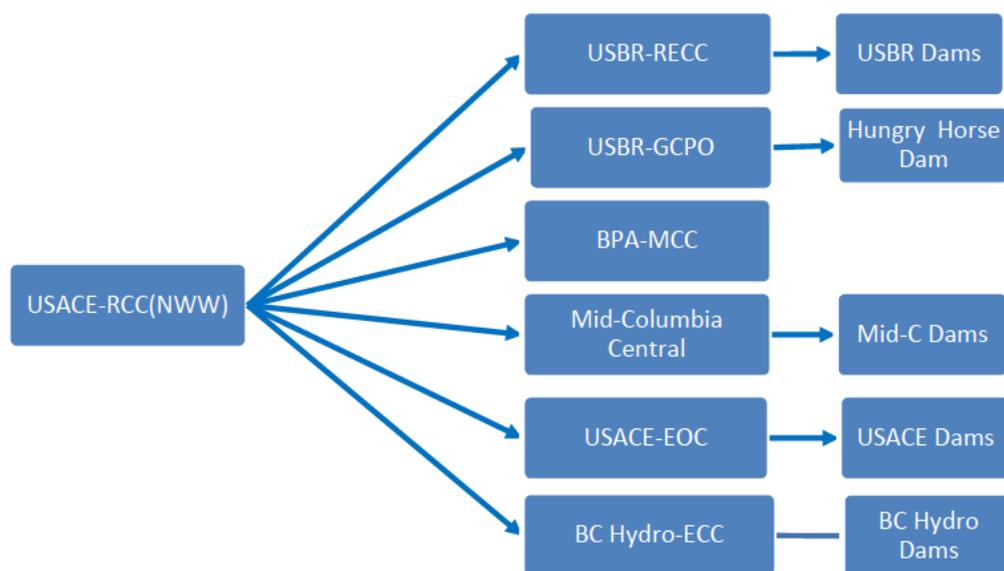
2. USACE-RCC(NWW):

Distribute System Status Report via email/CBT to the following:

If CBT or email is functioning, USACE-RCC(NWW) will distribute to all dams directly using CBT.

If CBT is not functioning, direction will be distributed to the following:

- USBR-RECC → will distribute to USBR dams
- USBR-GCPO → will distribute to Hungry Horse
- BPA-MCC
- Mid-Columbia Central → will distribute to Mid-Columbia dams
- USACE dams
- BC Hydro-ECC → will distribute to BC Hydro dams



## PHASE 2: Assessment and Reporting

### TASK 6: Create and Distribute Water Management Summary Report Complete Every 24 Hours

The Water Management Summary Report provides information on the status of the FCRPS.

- Information in this report may be released to non-FCRPS partners.
- Free-form written report.
- Used by the leadership of BPA, USACE, and USBR to communicate with the media and external entities including other government agencies.

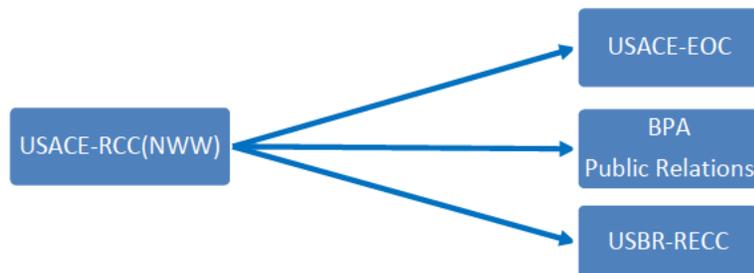
1. USACE-RCC(NWW):

Complete the Water Management Summary Report.

2. USACE-RCC(NWW):

Distribute the Water Management Summary Report to the following:

- USBR-RECC
- BPA-Public Relations
- USACE-NWW EOC



## PHASE 2: Assessment and Reporting

### TASK 7: Provide Direction for River Operations

Daily 10 am Pacific Time

Direction for river operations is driven primarily by hydraulic objectives:

- Forebay and tailwater requirements
- Discharge requirements (turbines, spilled)
- MW generation

Direction is communicated in a free-form format. If CBT is available, the USACE CBT format is used.

Information in this report may **not** be released to non-FCRPS partners.

1. USACE-RCC(NWW):

Perform assessment of data feeds. (This assessment is done on an ongoing basis.)

2. USACE-RCC(NWW):

Develop hydraulic objectives and direction for river operations.

Provide direction for the following – add other sites as needed based on the circumstances.

**USACE:** Bonneville, The Dalles, John Day, McNary, Chief Joseph, Ice Harbor, Lower Monumental, Little Goose, Lower Granite, Albeni Falls, Dworshak

**USBR:** Grand Coulee, Hungry Horse

**Mid-Columbia:** Priest Rapids, Wanapum, Rock Island, Rocky Reach, Wells

**BC Hydro:** Determine during the incident based on the situation.

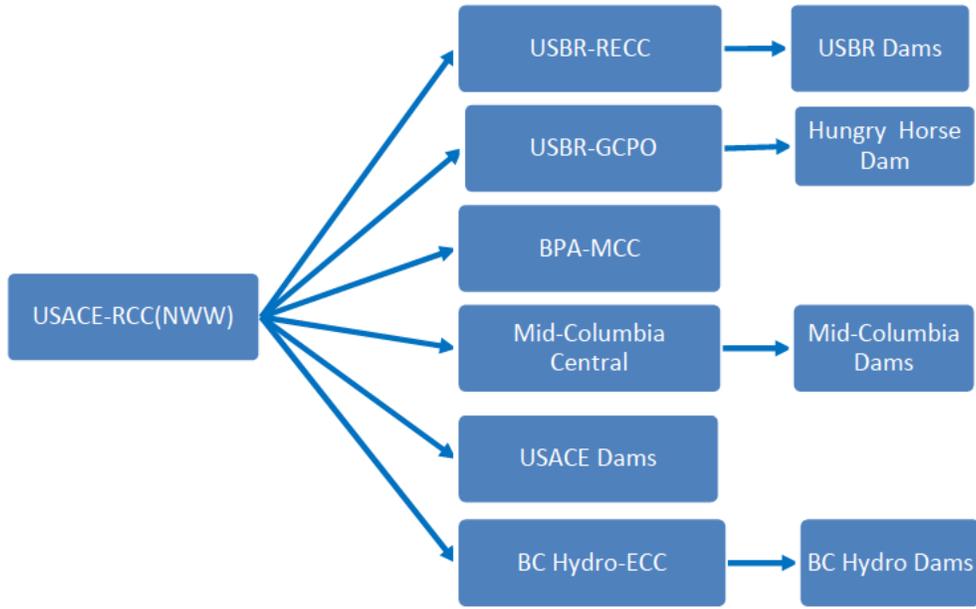
3. USACE-RCC(NWW): Daily at 10 am (Pacific)

Distribute direction for river operations based on hydraulic objectives.

If CBT or email is functioning, USACE-RCC(NWW) will distribute to all dams directly using CBT.

If CBT is not functioning, direction will be distributed to the following:

- USBR-RECC → will distribute to USBR dams
- USBR-GCPO → will distribute to Hungry Horse
- BPA-MCC
- Mid-Columbia Central → will distribute to Mid-Columbia dams
- USACE dams
- BC Hydro-ECC → will distribute to BC Hydro dams



## PHASE 2: Assessment and Reporting

### TASK 8: Review and Assess Reporting Needs

Daily 10 pm Pacific Time

1. USACE-RCC(NWW):

Contact BPA-MCC Senior Dispatcher to discuss:

- Availability of data in BPA-MCC systems.
- Whether or not Willamette generation sites should be added to the list of reporting sites.

**Note:** *Once communications with Willamette generation sites projects is re-established, knowledge of isolated generation capability may be valuable information to both USACE-RCC(NWW) and BPA Dispatchers.*

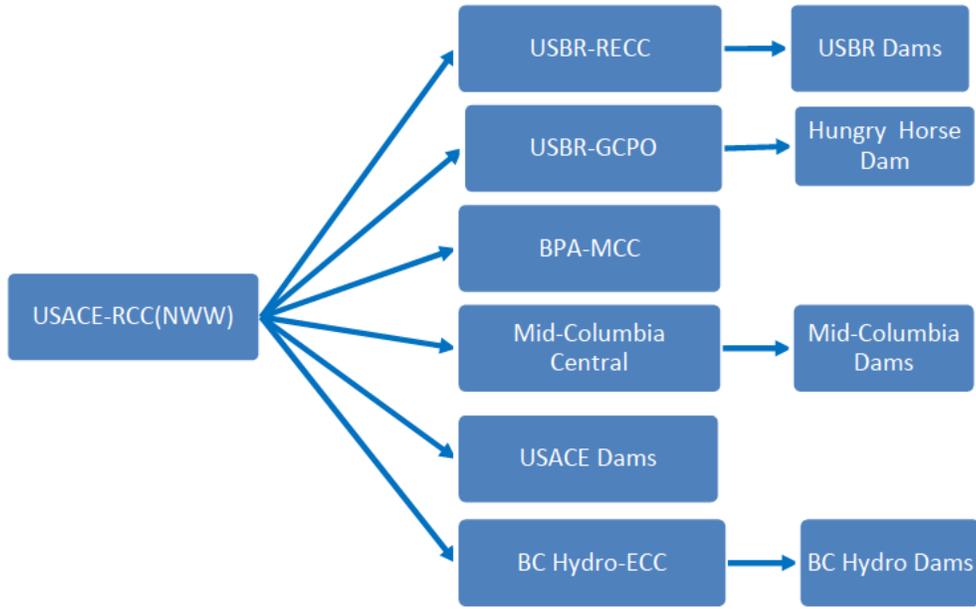
2. USACE-RCC(NWW):

a) Review the continued need to produce some or all of the three CCP reports, or to change their frequency. This may be done using the following inputs:

- If automatic reporting systems are running again, reporting is not needed.
- Discussion with some or all of the following: BPA-MCC, USBR-RECC, Mid-C, BC Hydro.

b) If it is determined that changes are necessary, communicate changes to :

- USBR-RECC → will distribute to USBR dams
- USBR-GCPO → will distribute to Hungry Horse
- BPA-MCC
- Mid-Columbia Central → will distribute to Mid-Columbia dams
- USACE dams
- BC Hydro-ECC → will distribute to BC Hydro dams



## PHASE 3: Deactivation

### PHASE 3 – Deactivation

#### Major Tasks in Phase 3:

1. Develop transition plan for BPA to resume issuing hourly basepoints.
2. Transition direction of river operations back to BPA and deactivate the CCP.

**Note:** *The BPA Munro Control Center (BPA-MCC) and the Munro Scheduling Center (BPA-MS) is a joint complex in Spokane, WA.*

## PHASE 3: Deactivation

### TASK 1: Develop Transition Plan for BPA to Resume Issuing Hourly Basepoints

1. BPA Power Services:

Provide USACE-RCC(NWW) **and** BPA-MCC Senior Dispatcher with an estimate of when Power Services can resume generating hourly basepoints based on hydraulic and generation objectives.

2. BPA Power Services:

Relocate staff to BPA-MSD.

- a. Power Scheduling staff temporarily relocate from Portland, OR to Spokane, WA to work at Power Scheduling area of BPA-MSD.
- b. A group representative will phone the BPA-MCC Senior Dispatcher and USACE-RCC(NWW), upon arrival in Spokane.

3. USACE-RCC(NWW) and BPA Power Services:

- a) Develop transition plan (procedures and schedule) to return responsibility of providing direction for river operations to BPA Power Services and deactivate the CCP.

Criteria required for the transition include:

- BPA staff able to test systems for availability (AGC, THOR, PI, CBT, HERMES, phones).
  - Ability to maintain a flexible plan to respond to changing conditions.
  - Two or three BPA Power Services schedulers are available to manage operations.
  - BPA Power Services run parallel operations with USACE-RCC(NWW) for a short duration to establish initial conditions.
  - BPA Power Services schedulers will determine when conditions justify a transition. (Availability of sufficient and accurate project data, ability to contact projects, and local information is available for calculating the basepoint change).
- b) Inform BPA-MCC Senior Dispatcher of the scheduled transition.

## PHASE 3: Deactivation

### TASK 2: Transition Direction of River Operations Back to BPA and Deactivate the CCP

1. BPA Power Services:

Recover scheduling operations (Power Services is now able to generate basepoints).

2. BPA Power Services and USACE-RCC(NWW):

Complete transition plan.

3. BPA Power Services:

Resume issuing hourly basepoints.

4. USACE-RCC(NWW)

Deactivate the CCP, including sending message to all parties that the plan has been deactivated

See Appendix B for a list of sites to be informed.

For contact information, refer to the [FCRPS - CCP Contact List \(Appendix F\)](#).

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## Appendix A: Message for Activation of the Federal Columbia River Power System (FCRPS) Coordinated Continuity Plan (CCP)

### PRIORITY MESSAGE – CONFIRM RECEIPT

Due to a major emergency:

- The FCRPS Coordinated Continuity Plan has been activated, **and**
- The Bonneville Power Administration Dispatch Center has declared a Transmission System Emergency.

The US Army Corps of Engineers' (USACE) Walla Walla District (NWW) Reservoir Control Center (RCC) in Walla Walla, WA (USACE-RCC NWW) will provide direction for river operations and compile and distribute situational reports until further notice.

Please follow the instructions below:

1. Confirm receipt of this message to the person or organization that sent it to you.
2. Follow your standard procedures for water flow until directed otherwise by USACE-RCC(NWW) or the BPA Control Center.
3. Do not contact the BPA Control Center unless there is a major generation issue or you are requested to do so – the Control Center will contact you directly when necessary.
4. Conduct and submit a site assessment based on the following instructions as soon as possible:
 

<b>USBR Dams:</b>	Follow instructions in the FCRPS Coordinated Continuity Plan Phase 2, Task 1. Conduct Site Assessment (USBR)
<b>Mid-Columbia Dams:</b>	Follow instructions in the FCRPS Coordinated Continuity Plan Phase 2, Task 2. Conduct Site Assessment (Mid-Columbia)
<b>USACE Dams:</b>	Follow instructions in the FCRPS Coordinated Continuity Plan Phase 2, Task 3. Conduct Site Assessment (USACE)
<b>BC Hydro Dams:</b>	Follow instructions in the FCRPS Coordinated Continuity Plan Phase 2, Task 4. Conduct Site Assessment (BC Hydro)
5. USACE-RCC(NWW) will determine the on-going reporting needs for this incident and communicate them to you shortly.

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**Appendix B: Sites to Receive Official Notice of FCRPS Coordinated Continuity Plan (CCP) Activation via Email/Columbia Basin Teletype (CBT)**

Refer to Phase 1, Task 2.

BPA	Mid-Columbia	USACE	USBR	BC Hydro
1. Munro Control Center (MCC)	1. Mid-Columbia Central	1. Albeni Falls	1. USBR-RECC	1. BC Hydro-ECC
2. Public Relations	2. Priest Rapids	2. Bonneville	2. Grand Coulee Power Office	2. Hugh Keenleyside (Arrow)
	3. Rock Island	3. Chief Joseph	3. Hungry Horse	3. Duncan
	4. Rocky Reach	4. Dworshak		4. Mica
	5. Wanapum	5. Ice Harbor		
	6. Wells	6. John Day		
		7. Libby		
		8. Little Goose		
		9. Lower Granite		
		10. Lower Monumental		
		11. McNary		
		12. The Dalles		

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## Appendix C: Access Procedures for the Bonneville Power Administration (BPA) Munro Control Center (MCC) and Munro Scheduling Center (MSC) Complex

BPA-MCC Address: 1620 East Hawthorne Road, Mead, WA 99021

Step	Activities
<b>Pre-Arrival</b>	<ol style="list-style-type: none"> <li>1. USACE contacts BPA-MCC Senior Dispatcher with the name(s) of USACE staff who will be working at the BPA-MCC. For contact information for the BPA-MCC Senior Dispatcher, refer to the <u>FCRPS - CCP Contact List</u> (Appendix F).</li> <li>2. The BPA-MCC Manager or On-duty Senior Dispatcher contacts: <ul style="list-style-type: none"> <li>• Front gate with the names of MCC/MSC visitors for the day. Call or email names to <a href="mailto:MunroSecurityAMS@BPASite1.bpa.gov">MunroSecurityAMS@BPASite1.bpa.gov</a>.</li> <li>• MCC/MSC IT Support Team to set up Guest Wireless Access to the MCC wireless LAN (WLAN).  For audit purposes, the email/written request must include: <ul style="list-style-type: none"> <li>• Name of person receiving the access and their organization</li> <li>• Justification</li> <li>• Begin and end date for wireless access</li> </ul> </li> </ul> <p>The IT Support Team will send email to the requestor with logon information to be given to the USACE staff member.</p> </li> </ol>
<b>Entering at the MCC/MSC Front Gate</b>	<ol style="list-style-type: none"> <li>1. Visitor checks in at the BPA-MCC front gate.</li> <li>2. Front gate guard verifies government issued ID against list received from BPA-MCC.</li> </ol>
<b>Entering the MCC building</b>	<ol style="list-style-type: none"> <li>1. Visitor proceeds to the BPA-MCC west side entrance</li> <li>2. BPA-MCC staff checks visitor into the BPA-MCC.</li> </ol>
<b>Accessing Public Internet</b>	<ol style="list-style-type: none"> <li>1. Visitor uses information supplied by the BPA-MCC Manager or On-duty Senior Dispatcher to access public internet through the MCC WLAN.</li> </ol>
<b>Leaving MCC/MSC at the end of each day.</b>	<ol style="list-style-type: none"> <li>1. BPA-MCC staff checks visitor out of the BPA-MCC.</li> </ol>

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## Appendix D: Acronym Table

Acronym	Description	Location
BC Hydro-ECC	BC Hydro Emergency Operations Center	Vernon, BC
BPA	Bonneville Power Administration	
BPA-DCC	BPA Dittmer Control Center	Vancouver, WA
BPA-DSC	BPA Duty Scheduling Center (Hydro Desk)	Portland, OR
BPA-ESC	BPA Emergency Scheduling Center (Hydro Desk)	Vancouver, WA
BPA-MCC	BPA Munro Control Center	Spokane, WA
BPA-MSC	BPA Munro Scheduling Center	Spokane, WA
CBT	Columbia Basin Teletype	
CCP	Coordinated Continuity Plan	
COP	Common Operating Picture	
FEMA	Federal Emergency Management Agency (US)	
EAP	Emergency Action Plan	
ECC	Emergency Coordination Center	
EOC	Emergency Operations Center	
FCRPS	Federal Columbia River Power System	
OVIC	On-going Visual Inspection Checklist	
SA	Situational Awareness	
USACE	US Army Corps of Engineers	
USACE-RCC(NWD)	USACE Reservoir Control Center (Northwestern Division)	Portland, OR
USACE-RCC(NWW)	USACE Reservoir Control Center (Walla Walla District)	Walla Walla, WA
USACE-NWW EOC	USACE Walla Walla District Emergency Operations Center	Walla Walla, WA
USBR	US Bureau of Reclamation	
USBR-GCPO	USBR Grand Coulee Power Office	Grand Coulee, WA
USBR-RECC	USBR Regional Emergency Coordination Center	Boise, ID
USDOE	US Department of Energy	

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## Appendix E: Project Status Report Template

<b>Site Name:</b>	
<b>Name of person preparing this report:</b>	
<b>Date:</b>	June 9, 2016
<b>Time of report:</b>	16:00
<b>Dam Safety Status (brief discription)</b>	
Are emergency operations/actions required at your site or other sites to deal with any damage? If "yes" explain.	
Is your site blackstart capable (Yes/No)? If "No", explain	
<b>Water Management</b>	
Estimated inflow (kcfs)	
Estimated outflow (kcfs)	
Sideflows (kcfs)	
Tailwater level (feet)	
Forebay level (feet)	
Tailwater level (feet)	
<b>Generation</b>	
MW being generated <b>now</b> .	
How long can current level of generation be sustained (hours)	
MW generation <b>capability</b> at this time.	
How long could this level of generation be sustained (hours)	
MW condense <b>capability</b> at this time.	
<b>Instructions</b>	
1. Complete the highlighted fields above to the best of your knowledge. If you do not have the information at this time, enter "unkown"	
2. Submit the form according to the following instructions:	
USBR Dams: Follow instructions in the FCRS Coordinated Continuity Plan, Phase 2, A. Conduct Site Assessment (USBR)	
Mid-Columbia Dams: Follow instructions in the FCRS Coordinated Continuity Plan, Phase 2, B. Conduct Site Assessment (Mid-Columbia)	
USACE Dams: Follow instructions in the FCRS Coordinated Continuity Plan, Phase 2, C. Conduct Site Assessment (USACE)	
BC Hydro Dams: Follow instructions in the FCRS Coordinated Continuity Plan, Phase 2, D. Conduct Site Assessment (BC Hydro)	

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## Appendix F: FCRPS - CCP Contact List

### BC Hydro

BC Hydro – Emergency Coordination Centre, Eastside	F-2
BC Hydro – Emergency Coordination Centre, Westside	F-3
BC Hydro – Duncan Dam	F-4
BC Hydro – Hugh Keenleyside Dam (Arrow Dam)	F-5
BC Hydro – Mica Dam	F-6

### BPA – Bonneville Power Administration

BPA – Continuity Office	F-7
BPA – Dittmer Control Center (DCC)	F-8
BPA – Munro Control Center (MCC)	F-9
BPA – Power Scheduling, Duty Scheduling Center (DSC)	F-10
BPA – Power Scheduling, Emergency Scheduling Center (ESC)	F-11
BPA – Power Scheduling, Munro Scheduling Center (MSC)	F-12
BPA – Public Relations	F-13

### Mid-Columbia

Mid-Columbia – Mid-Columbia Central	F-14
Mid-Columbia – Priest Rapids Dam	F-15
Mid-Columbia – Rock Island Dam	F-16
Mid-Columbia – Rocky Reach Dam	F-17
Mid-Columbia – Wanapum Dam	F-18
Mid-Columbia – Wells Dam	F-19

### USACE – US Army Corps of Engineers

USACE – Emergency Operations Center (EOC), Walla Walla, WA	F-20
USACE – Reservoir Control Center, Portland (RCC NWD)	F-21
USACE – Reservoir Control Center, Walla Walla, WA (RCC NWW)	F-22
USACE – Albeni Falls Dam	F-23
USACE – Bonneville Dam	F-24
USACE – Chief Joseph Dam	F-25
USACE – Dworshak Dam	F-26
USACE – Ice Harbor Dam	F-27
USACE – John Day Dam	F-28
USACE – Libby Dam	F-29
USACE – Little Goose Dam	F-30
USACE – Lower Granite Dam	F-31
USACE – Lower Monumental Dam	F-32
USACE – McNary Dam	F-33
USACE – The Dalles Dam	F-34

### USBR – US Bureau of Reclamation

USBR – Regional Emergency Coordination Center (RECC)	F-35
USBR – Grand Coulee Power Office (GCPO)	F-36
USBR – Hungry Horse Dam	F-37

### USDOE – US Department of Energy

USDOE – Washington, DC	F-38
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**BC Hydro – Emergency Coordination Centre, Eastside****Vernon, BC**

<b>Landline Phone</b>	250-814-6623 250-805-6133	C2 Conference Room Small C2 Conference Room
<b>Mobile phone</b>	N/A	
<b>Satellite Phone</b>	N/A	
<b>Fax</b>	N/A	
<b>Email</b>	N/A	
<b>Other</b>	N/A	

## BC Hydro – Emergency Coordination Centre, Westside

### Langley, BC

<b>Landline Phone</b>	604-473-6900 / 604-473-3751 / 604-455-1932	ECC Director
	604-473-6901 / 604-455-1896	ECC Director, Deputy
	604-473-6902 / 604-473-3751 / 604-455-1931	ECC Manager
<b>Mobile phone</b>	N/A	
<b>Satellite Phone</b>	8816-234-86331	ECC Director
<b>Fax</b>	604-473-6924	
<b>Email</b>	<a href="mailto:ECC-Director@bchydro.com">ECC-Director@bchydro.com</a>	ECC Director
	<a href="mailto:ECC-Manager@bchydro.com">ECC-Manager@bchydro.com</a>	ECC Manager
<b>Other</b>		

## BC Hydro – Duncan Dam

**Contact via one of the following:**

- Eastside BC Hydro – Hugh Keenleyside Dam (Arrow Dam)
- BC Hydro – Emergency Coordination Center

<b>Landline Phone</b>	<b>N/A</b>
<b>Mobile phone</b>	<b>N/A</b>
<b>Satellite Phone</b>	<b>N/A</b>
<b>Fax</b>	<b>N/A</b>
<b>Email</b>	<b>N/A</b>
<b>Other</b>	<b>N/A</b>

**BC Hydro – Hugh Keenleyside Dam (Arrow Dam)****Castlegar, BC**

<b>Landline Phone</b>	250-304-1001	Plant Manager
<b>Mobile phone</b>	(b) (6)	Plant Manager
<b>Satellite Phone</b>	N/A	
<b>Fax</b>	N/A	
<b>Email</b>	<a href="mailto:Chris.Egan@bchydro.com">Chris.Egan@bchydro.com</a>	Plant Manager
<b>Other</b>	N/A	

**BC Hydro – Mica Dam**

**Mica Creek, BC**

<b>Landline Phone</b>	<b>250-814-6525</b>	Plant Manager
<b>Mobile phone</b>	(b) (6)	
<b>Satellite Phone</b>	N/A	
<b>Fax</b>	N/A	
<b>Email</b>	<a href="mailto:Morgan.McLennan@bchydro.com">Morgan.McLennan@bchydro.com</a>	Plant Manager
<b>Other</b>	N/A	

**BPA – Continuity Office**

<b>Landline Phone</b>	509-468-6772	Continuity Duty Officer 24/7
<b>DATS Phone *</b>	N/A	
<b>Mobile phone</b>	(b) (6) ✓ (b) (6) ✓ ✓ Texting	
<b>Satellite Phone</b>	N/A	
<b>Fax</b>	N/A	
<b>Email</b>	<a href="mailto:continuity@bpa.gov">continuity@bpa.gov</a>	

\* DATS calls require at least one party to be at a BPA Site. This can be modified during an emergency by BPA-MCC.

**BPA – Dittmer Control Center (DCC)**

**Vancouver, WA**

<b>Landline Phone</b>	800 392-0816 360 418-2282 360 418-2274 360 418-2281 360 418-2278 360 418-2280 360 418-2281 360 418-2739	Toll Free Senior Dispatcher Outage Dispatcher Main Grid Dispatcher RAS Dispatcher Generation Dispatcher East Main Grid Dispatcher Manager
<b>DATS Phone *</b>	922-135 922-148 922-111 922-131, 132 922-115 922-113	Senior Dispatcher Outage Dispatcher Main Grid Dispatcher RAS Dispatcher Generation Dispatcher East Main Grid Dispatcher
<b>Mobile phone</b>	(b) (6) [Redacted] [Redacted] [Redacted]	Outage (Senior) Dispatcher Transmission RAS Dispatcher Generation Dispatcher Note: Used only in emergencies
<b>Satellite Phone</b>	8816 414 57184	
<b>Fax</b>	360-418-2938	
<b>Email</b>	<a href="mailto:dittsendisptchrs@bpa.gov">dittsendisptchrs@bpa.gov</a>	

\* DATS calls require at least one party to be at a BPA Site. This can be modified during an emergency by BPA-MCC.

**BPA – Munro Control Center (MCC)**

**Spokane, WA**

<b>Landline Phone</b>	877 836-6632 509 465-1820 509 465-1836 509 465-3084 509 465-1826 509 465-1837 509 465-2920 509 466-2409 509 466-2647	Toll Free Senior Dispatcher Southwest Dispatcher East Dispatcher Northwest Dispatcher Central Dispatcher Generation Dispatcher Outage Dispatcher Manager
<b>DATS Phone *</b>	900-127 900-172, 173, 174 900-113, 114 900-184, 185, 186 900-111, 112 900-144 900-176, 177	Senior Dispatcher Southwest Dispatcher East Dispatcher Northwest Dispatcher Central Dispatcher Generation Dispatcher Outage Dispatcher
<b>Mobile phone</b>	(b) (6) ✓ (b) (6) ✓ ✓ Texting	
<b>Satellite Phone</b>	8816 314 18856 8816 414 57238	Neither line is monitored, and no internal antennas.
<b>Fax</b>	509-466-2444	MCC
<b>Email</b>	<a href="mailto:seniordispatchers@bpa.gov">seniordispatchers@bpa.gov</a>	

\* DATS calls require at least one party to be at a BPA Site. This can be modified during an emergency by BPA-MCC.

**BPA – Power Scheduling, Duty Scheduling Center (DSC)**

**Portland, OR**

<b>Landline Phone</b>	503-230-4374	Hydro Scheduling
	503-230-5502	Slice Desk/Hydro Back up
<b>DATS Phone *</b>	922-174	Hydro Scheduling – Primary
	922-196	Hydro Scheduling – Secondary
<b>Mobile phone</b>	(b) (6) ✓	Hydro Scheduler
	(b) (6) ✓	Slice Desk/Hydro Back up
	✓ Texting	
<b>Satellite Phone</b>	N/A	
<b>Fax</b>	503-230-5061	Power Scheduling Duty Scheduling
	503-230-5669	
<b>Email</b>	<a href="mailto:3Shift@bpa.gov">3Shift@bpa.gov</a>	Hydro Scheduling – Primary

\* DATS calls require at least one party to be at a BPA Site. This can be modified during an emergency by BPA-MCC.

**BPA – Power Scheduling, Emergency Scheduling Center (ESC)**

**Vancouver, WA**

<b>Landline Phone</b>	360-418-8836	Hydro Scheduling
	360-418-8838	Slice Desk/Hydro Back up
<b>DATS Phone *</b>	922-174	Hydro Scheduling – Primary
	922-196	Hydro Scheduling – Secondary
<b>Mobile phone</b>	(b) (6) ✓	Hydro Scheduling
	(b) (6) ✓	Slice Desk/Hydro Back up
	✓ texting	
<b>Satellite Phone</b>	N/A	
<b>Fax</b>	360-418-8454	Power Scheduling Emergency
	360-418-8865	Scheduling Center
<b>Email</b>	<a href="mailto:3Shift@bpa.gov">3Shift@bpa.gov</a>	

\* DATS calls require at least one party to be at a BPA Site. This can be modified during an emergency by BPA-MCC.

**BPA – Power Scheduling, Munro Scheduling Center (MSC)**

**Spokane, WA**

<b>Landline Phone</b>	509-822-4493	Hydro Scheduling
	509-822-4491	Slice Desk/Hydro Back up
<b>DATS Phone *</b>	900-629	Hydro Scheduling
	900-630	Hydro Scheduling
<b>Mobile phone</b>	(b) (6) ✓	Hydro Scheduling
	(b) (6) ✓	Slice Desk/Hydro Back up
	✓ texting	
<b>Satellite Phone</b>	N/A	
<b>Fax</b>	509-822-4694	Power Scheduling - Munro
	509-465-1088	Scheduling Center
<b>Email</b>	<a href="mailto:3Shift@bpa.gov">3Shift@bpa.gov</a>	

\* DATS calls require at least one party to be at a BPA Site. This can be modified during an emergency by BPA-MCC.

**BPA – Public Relations**

**Montana & Idaho**

<b>Landline Phone</b>	406-449-5789 208-947-9099 406-676-2669	Mark Reller John Williams Mike Normandeau
<b>DATS Phone *</b>	N/A	
<b>Mobile phone</b>	(b) (6) ✓ (b) (6) ✓ (b) (6) ✓ ✓ Texting	Mark Reller John Williams Mike Normandeau
<b>Satellite Phone</b>	N/A	
<b>Fax</b>	406 449-5792 N/A 406-676-2668	Mark Reller John Williams Mike Normandeau
<b>Email</b>	<a href="mailto:mdreller@bpa.gov">mdreller@bpa.gov</a> <a href="mailto:jjwilliams@bpa.gov">jjwilliams@bpa.gov</a> <a href="mailto:mrnormandeau@bpa.gov">mrnormandeau@bpa.gov</a>	Mark Reller John Williams Mike Normandeau

\* DATS calls require at least one party to be at a BPA Site. This can be modified during an emergency by BPA-MCC.

**Mid-Columbia – Mid-Columbia Central**

**Ephrata, WA**

<b>Landline Phone</b>	509-793-1543 509-793-1547	Control Center - (GCPD/Central) Control Center - GCPD (Backup Control Center)
<b>DATS Phone *</b>	N/A	
<b>Mobile phone</b>	(b) (6)	
<b>Satellite Phone</b>	8816 414 52590 8816 414 25494	Control Center - (GCPD/Central) Control Center - GCPD (Backup Control Center)
<b>Fax</b>	509-754-1815	
<b>Email</b>	<a href="mailto:seniorsystemoperators@gcpud.org">seniorsystemoperators@gcpud.org</a>	
<b>Other</b>	N/A	

\* DATS calls require at least one party to be at a BPA Site. This can be modified during an emergency by BPA-MCC.

## Mid-Columbia – Priest Rapids Dam

### Vantage, WA

<b>Landline Phone</b>	509-932-3329	Control Room
<b>DATS Phone *</b>	N/A	
<b>Mobile phone</b>	N/A	
<b>Satellite Phone</b>	8816 414 38769	Control Room
<b>Fax</b>	N/A	
<b>Email</b>	N/A	
<b>Other</b>	N/A	

\* DATS calls require at least one party to be at a BPA Site. This can be modified during an emergency by BPA-MCC.

## Mid-Columbia – Rock Island Dam

### Wenatchee, WA

<b>Landline Phone</b>	509-661-4007
<b>DATS Phone *</b>	N/A
<b>Mobile phone</b>	N/A
<b>Satellite Phone</b>	N/A
<b>Fax</b>	509-661-8118
<b>Email</b>	<a href="mailto:AllRIOperators@chelanpud.org">AllRIOperators@chelanpud.org</a>
<b>Other</b>	N/A

\* DATS calls require at least one party to be at a BPA Site. This can be modified during an emergency by BPA-MCC.

## Mid-Columbia – Rocky Reach Dam

### Wenatchee, WA

<b>Landline Phone</b>	509-661-4820
<b>DATS Phone *</b>	N/A
<b>Mobile phone</b>	N/A
<b>Satellite Phone</b>	N/A
<b>Fax</b>	509-661-8112
<b>Email</b>	<a href="mailto:AllRROperators@chelanpud.org">AllRROperators@chelanpud.org</a>
<b>Other</b>	N/A

\* DATS calls require at least one party to be at a BPA Site. This can be modified during an emergency by BPA-MCC.

## Mid-Columbia – Wanapum Dam

### Vantage, WA

<b>Landline Phone</b>	509-932-4919
<b>DATS Phone *</b>	N/A
<b>Mobile phone</b>	N/A
<b>Satellite Phone</b>	8816 414 38770
<b>Fax</b>	N/A
<b>Email</b>	N/A
<b>Other</b>	N/A

\* DATS calls require at least one party to be at a BPA Site. This can be modified during an emergency by BPA-MCC.

## Mid-Columbia – Wells Dam

### Pateros, WA

Landline Phone	509-923-2224
DATS Phone *	N/A
Mobile phone	(b) (6) ✓ ✓ Texting
Satellite Phone	8816 514 49588
Fax	N/A
Email	N/A
Other	N/A

\* DATS calls require at least one party to be at a BPA Site. This can be modified during an emergency by BPA-MCC.

**USACE – Emergency Operations Center (EOC), Walla Walla, WA**

**Walla Walla, WA**

<b>Landline Phone</b>	509-527-7146	EOC Phone
<b>DATS Phone *</b>	N/A	
<b>Mobile phone</b>	(b) (6) ✓ (b) (6) ✓ ✓ Texting	Jeff Stidham Val Bogdanowitz
<b>Satellite Phone</b>	8816 224 80883	EOC SAT Phone
<b>Fax</b>	509-527-7823	Regular FAX
<b>Email</b>	<a href="mailto:cenww-eoc@usace.army.mil">cenww-eoc@usace.army.mil</a>	EOC Email
<b>Other</b>	N/A	

\* DATS calls require at least one party to be at a BPA Site. This can be modified during an emergency by BPA-MCC.

**USACE – Reservoir Control Center, Portland (RCC NWD)**

**Portland, OR**

<b>Landline Phone</b>	503-808-3941 503-808-3944	Kanbergs/ RCC Bowers/ RCC
<b>DATS Phone *</b>	922-167	
<b>Mobile phone</b>	(b) (6) ✓ (b) (6) ✓ ✓ Texting	
<b>Satellite Phone</b>	N/A	
<b>Fax</b>	503-808-3932	Columbia Basin Water Management
<b>Email</b>	<a href="mailto:Aaron.W.Marshall@usace.army.mil">Aaron.W.Marshall@usace.army.mil</a> <a href="mailto:Steven.C.Burrell@usace.army.mil">Steven.C.Burrell@usace.army.mil</a> <a href="mailto:Gregory.H.Bowers@usace.army.mil">Gregory.H.Bowers@usace.army.mil</a> <a href="mailto:Michelle.L.Yuen@usace.army.mil">Michelle.L.Yuen@usace.army.mil</a>	Lead Regulator Lead Modeler Regulator Regulator
<b>Other</b>	N/A	

\* DATS calls require at least one party to be at a BPA Site. This can be modified during an emergency by BPA-MCC.

**USACE – Reservoir Control Center, Walla Walla, WA (RCC NWW)**

**Walla Walla, WA**

<b>Landline Phone</b>	509-527-7550 509-527-7283	RCC Program Manager RCC Main Line
<b>DATS Phone *</b>	N/A	
<b>Mobile phone</b>	(b) (6) ✓ (b) (6) ✓ (b) (6) ✓ ✓ Texting	RCC Program Manager Regulator Regulator
<b>Satellite Phone</b>	8816 224 80885	Water Mgt/Reservoir Reg
<b>Fax</b>	509-527-7823	Regular FAX
<b>Email</b>	<a href="mailto:Stephen.C.Hall@usace.army.mil">Stephen.C.Hall@usace.army.mil</a> <a href="mailto:daniel.a.rodriguez@usace.army.mil">daniel.a.rodriguez@usace.army.mil</a> <a href="mailto:Wayne.r.jousma@usace.army.mil">Wayne.r.jousma@usace.army.mil</a>	Program Manager Regulator Rgulator
<b>Other</b>	N/A	

\* DATS calls require at least one party to be at a BPA Site. This can be modified during an emergency by BPA-MCC.

**USACE – Albeni Falls Dam**

**Near Newport, WA**

<b>Landline Phone</b>	208-437-7220	Control Room Operator
<b>DATS Phone *</b>	944-163	
<b>Mobile phone</b>	(b) (6) ✓ (b) (6) ✓ ✓ Texting	Control Room Tony Fegert, Chief O&M
<b>Satellite Phone</b>	8816 234 29303	OPS
<b>Fax</b>	N/A	
<b>Email</b>	N/A	
<b>Other</b>	N/A	

\* DATS calls require at least one party to be at a BPA Site. This can be modified during an emergency by BPA-MCC.

**USACE – Bonneville Dam**

**North Bonneville, WA**

<b>Landline Phone</b>	541-374-8338 509-637-5308	Control Room Control Room – Emergency line
<b>DATS Phone *</b>	125	Role / function
<b>Mobile phone</b>	(b) (6) ✓ ✓ Texting	Ray Guajardo, Chief O&M
<b>Satellite Phone</b>	8816 514 14734	Control Room
<b>Fax</b>	None	Role / function
<b>Email</b>	None	
<b>Other</b>	None	

\* DATS calls require at least one party to be at a BPA Site. This can be modified during an emergency by BPA-MCC.

**USACE – Chief Joseph Dam**

**Bridgeport, WA**

<b>Landline Phone</b>	509-686-3518	Control Room Operator
<b>DATS Phone *</b>	944-613	
<b>Mobile phone</b>	(b) (6) ✓ (b) (6) ✓ ✓ Texting	Control Room Control Room
<b>Satellite Phone</b>	N/A	
<b>Fax</b>	509-686-7101	
<b>Email</b>	N/A	
<b>Other</b>	N/A	

\* DATS calls require at least one party to be at a BPA Site. This can be modified during an emergency by BPA-MCC.

**USACE – Dworshak Dam**

**Orofino, ID**

<b>Landline Phone</b>	208-476-1231	Control Room Operator
<b>DATS Phone *</b>	900-3875-231	
<b>Mobile phone</b>	(b) (6) ✓ ✓ Texting	Greg Parker, OPM
<b>Satellite Phone</b>	8816 224 19996	
<b>Fax</b>	N/A	
<b>Email</b>	N/A	
<b>Other</b>	N/A	

\* DATS calls require at least one party to be at a BPA Site. This can be modified during an emergency by BPA-MCC.

**USACE – Ice Harbor Dam**

**Burbank, WA**

<b>Landline Phone</b>	509-543-3231	Control Room
<b>900-3871-231</b>	900-3871-231	
<b>Mobile phone</b>	(b) (6) ✓ ✓ Texting	Glen Smith, Op Manager
<b>Satellite Phone</b>	8816 224 12301	
<b>Fax</b>	N/A	
<b>Email</b>	N/A	
<b>Other</b>	N/A	

\* DATS calls require at least one party to be at a BPA Site. This can be modified during an emergency by BPA-MCC.

**USACE – John Day Dam**

**Rufus, OR**

<b>Landline Phone</b>	541-298-9712	Control Room Operator
<b>DATS Phone *</b>	955-136	
<b>Mobile phone</b>	(b) (6) ✓ ✓ Texting	Norm Bloom, Chief O&M
<b>Satellite Phone</b>	8816 414 83889 8816 414 83866	OPM Powerhouse
<b>Fax</b>	N/A	Role / function
<b>Email</b>	N/A	
<b>Other</b>	N/A	

\* DATS calls require at least one party to be at a BPA Site. This can be modified during an emergency by BPA-MCC.

**USACE – Libby Dam**

**Libby, MT**

<b>Landline Phone</b>	406-293-7751	Control Room Operator
<b>DATS Phone *</b>	944-723	
<b>Mobile phone</b>	(b) (6) ✓ ✓ Texting	Daniel Desch, Chief O&M
<b>Satellite Phone</b>	8816 224 21269	
<b>Fax</b>	N/A	
<b>Email</b>	N/A	
<b>Other</b>	N/A	

\* DATS calls require at least one party to be at a BPA Site. This can be modified during an emergency by BPA-MCC.

**USACE – Little Goose Dam**

**Starbuck, WA**

<b>Landline Phone</b>	509-399-2233 x231	Control room
<b>DATS Phone *</b>	900-3873-231, 253	
<b>Mobile phone</b>	(b) (6) ✓ ✓ Texting	Marcus Smith, Chief O&M
<b>Satellite Phone</b>	8816 224 20010	Control room
<b>Fax</b>	N/A	
<b>Email</b>	N/A	
<b>Other</b>	N/A	

\* DATS calls require at least one party to be at a BPA Site. This can be modified during an emergency by BPA-MCC.

**USACE – Lower Granite Dam**

**Near Colfax, WA**

<b>Landline Phone</b>	509-843-1493x231 509-397-6413x231 509-397-6414x231	Control Room Operator Alt. Control Room Alt. Control Room
<b>DATS Phone *</b>	900-3874-226, 231	
<b>Mobile phone</b>	(b) (6) ✓ ✓ Texting	Rich Hilt
<b>Satellite Phone</b>	8816 224 19998	
<b>Fax</b>	N/A	
<b>Email</b>	N/A	
<b>Other</b>	N/A	

\* DATS calls require at least one party to be at a BPA Site. This can be modified during an emergency by BPA-MCC.

**USACE – Lower Monumental Dam**

**Kahlotus, WA**

<b>Landline Phone</b>	509-282-3218 509-282-7231	Control Room Operator Control Room
<b>DATS Phone *</b>	900-3872-231, 253	
<b>Mobile phone</b>	(b) (6) ✓ ✓ Texting	Sarah Wilson, Chief O&M
<b>Satellite Phone</b>	8816 224 19995	
<b>Fax</b>	N/A	Role / function
<b>Email</b>	N/A	
<b>Other</b>	N/A	

\* DATS calls require at least one party to be at a BPA Site. This can be modified during an emergency by BPA-MCC.

**USACE – McNary Dam**

**Umatilla, OR**

<b>Landline Phone</b>	541-922-2231	Control Room
<b>DATS Phone *</b>	900-38-231	
<b>Mobile phone</b>	(b) (6) ✓ ✓ Texting	Bill Gersbach, Chief O&M
<b>Satellite Phone</b>	8816 224 12180	
<b>Fax</b>	N/A	
<b>Email</b>	N/A	
<b>Other</b>	N/A	

\* DATS calls require at least one party to be at a BPA Site. This can be modified during an emergency by BPA-MCC.

**USACE – The Dalles Dam**

**The Dalles, OR**

<b>Landline Phone</b>	541-298-7505 541-792-3505 541-298-7571	Control Room Operator Control Room Control Room
<b>DATS Phone *</b>	955-113	
<b>Mobile phone</b>	(b) (6) ✓ ✓ Texting	Doug Doty, Chief O&M
<b>Satellite Phone</b>	8816 514 14758 8816 414 83866	OPM Powerhouse
<b>Fax</b>	N/A	
<b>Email</b>	N/A	
<b>Other</b>	N/A	

\* DATS calls require at least one party to be at a BPA Site. This can be modified during an emergency by BPA-MCC.

## USBR – Regional Emergency Coordination Center (RECC)

### Boise, ID

<b>Landline Phone</b>	208-378-5204	RECC Manager – initiates all RECC activities and conference call.
<b>DATS Phone *</b>	N/A	
<b>Mobile phone</b>	N/A	
<b>Satellite Phone</b>	N/A	
<b>Fax</b>	208-378-5367	Facilities O&M Fax Machine
<b>Email</b>	<a href="mailto:BOR-PNR-RECC@usbr.gov">BOR-PNR-RECC@usbr.gov</a>	
<b>Other</b>	(b) (2)	“mymeeting” conference line – 24/7 availability – participation code issued by RECC Manager

\* DATS calls require at least one party to be at a BPA Site. This can be modified during an emergency by BPA-MCC.

**USBR – Grand Coulee Power Office (GCPO)**

**Grand Coulee, WA**

<b>Landline Phone</b>	509-633-9234 509-633-9288	GCPO Dispatch Office Operations Supervisor
<b>DATS Phone *</b>	922-128	GCPO Dispatch office
<b>Mobile phone</b>	(b) (6) ✓ ✓ Texting	Operations Superintendent
<b>Satellite Phone**</b>	877-324-2894** 877-388-9251**	Dispatch Office Administration
<b>Fax</b>	509-633-9223	GCPO Dispatch office
<b>Email</b>	N/A	
<b>Other</b>	N/A	

\* DATS calls require at least one party to be at a BPA Site. This can be modified during an emergency by BPA-MCC.

\*\* Toll-free number that automatically patches into the satellite telephone.

## USBR – Hungry Horse Dam

### Columbia Falls, MT

<b>Landline Phone</b>	406-387-5241 ext. 311 406-387-5241 ext. 313	Operations Manager
<b>DATS Phone *</b>	944-710	Control Room
<b>Mobile phone</b>	(b) (6) ✓ ✓ Texting	Foreman
<b>Satellite Phone**</b>	877 214 4618**	
<b>Fax</b>	406-387-5384	Hungry Horse Control Room fax
<b>Email</b>	N/A	
<b>Other</b>	N/A	

\* DATS calls require at least one party to be at a BPA Site. This can be modified during an emergency by BPA-MCC.

\*\* Toll-free number that automatically connects to the satellite telephone.

## USDOE – US Department of Energy

### Washington, DC

<b>Landline Phone</b>	N/A	
<b>Mobile phone</b>	N/A	
<b>Satellite Phone</b>	N/A	
<b>Fax</b>	(301) 903-6417 (505) 845-6140	If sending a fax, send to <u>both</u> fax numbers.
<b>Email</b>	<a href="mailto:HQCOOP@nnsa.doe.gov">HQCOOP@nnsa.doe.gov</a> NASC-COOP_devolution@nnsa.doe.gov	If sending an email, send to <u>both</u> email addresses.