FPP Change Form

Change Request Number: 11 IHR 001 Table IHR-4 Unit Operating Priority

Date: October 28, 2010

Proposed by: Doug Baus

Location of Change: Section 6 Ice Harbor, pg. IHR-17 and 18.

Proposed Change:
Add the following additional language to table IHR4 Unit Operating Priority for Ice Harbor Dam to clarify operations when Unit 1 is out of service.

In order to provide BPA system reliability Ice Harbor is operationally restricted to single unit operation on Ice Harbor-Franklin No. 1 115kV line and the Ice Harbor-Franklin No. 3 115kV line only. Ice Harbor cannot operate a single unit on Ice Harbor-Franklin No. 2 115kV line. The operation of a single unit on Ice Harbor-Franklin No. 2 115kV line jeopardizes BPA system reliability. If single unit operation is necessary and switching has not occurred in the yard run unit 1, 2, 5, 6. Running units 3 and 4 alone on the Ice Harbor-Franklin No. 2 115kV line can only occur if the powerhouse operator can accomplish the needed switching. If unit 1 is out of service then unit priority will be 2, 3, 5, 4, and 6, in order to limit the number of units out of service due to switching.

Table IHR-4. Unit Operating Priority for Ice Harbor Dam.

Season	Time of Day	Unit Priority*
All year-single unit operation w/o switching Switching must occur to return to normal operating priority outlined below	**24 hours/day**	**1,2,5,6**
March 1-November 30	**24 hours/day**	**1,3,4,2,5 and 6 (If unit 1 is out of service, and switching has not occurred then operate the following unit priority when operating more than one unit: 2,3,5,4,6)**
December 1 – February 28	**24 hours**	**Any Order for multiple unit operation**

Reason for Change: As currently worded when unit 1 goes out of service (OOS) then, 3, 4, 5, and 6 need to go OOS in order to do the required switching from the Ice Harbor-Franklin No. 2 115kV line to the Ice Harbor-Franklin No. 3 115kV line, and unit 2 is the only unit available during the switching time. The required switching takes a significant

amount of time and coordination. Furthermore switching introduces the risk of equipment failure due to mechanical problems or human error. Since Ice Harbor is a single operator plan on nights and weekends this compounds the risk associated with switching. Switching involves risk and for short term outages this risk is not justified whereas if the project deems a longer term outage then the project would deem the risks associated with switching appropriate.

Comments from others: Coordinated with Ice Harbor Dam (Scott Thoren, Lester Maier and Brenda McClary) and the proposed change clarify the operation when unit 1 is OOS.

Record of Final Action: Approved at the May 13, 2010 FPOM meeting.

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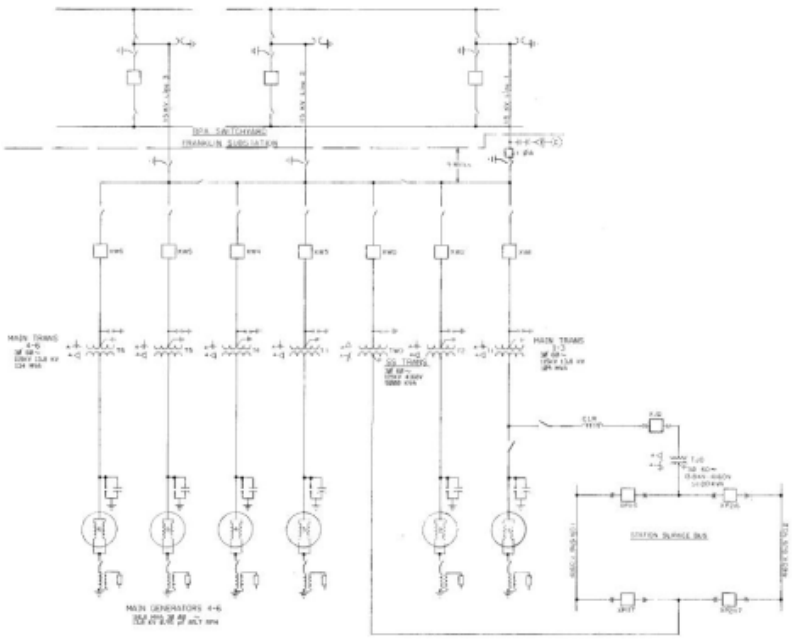

REFERENCE DRAWINGS:

Bonneville Power Administration Drawing No.GG-8527-DI Sheet 2.

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ICE HARBOR LOCK AND DAM
SNAKE RIVER, OREGON, WASHINGTON & IDAHO
POWERHOUSE - ELECTRICAL

MAIN ONE LINE DIAGRAM

1HP-LI-6-9A21/1

REPLACES ICE HARBOR DAM DRAWING 3805.137