

**MCNARY-JOHN DAY
FINAL SYSTEM IMPACT STUDY REPORT FOR
POINT-OF-RECEIPT AT MCNARY 500**

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Prepared by Bonneville Power Administration
Transmission Business Line

This report is Bonneville Power Administration Transmission's (BPA TBL) response addressing the System Impact Study (SIS) requirement for requests that directly impact the West-of-McNary flowgate with point-of-receipt at the McNary 500 kV substation. These requests were submitted to BPA TBL through the Open Access Transmission Tariff (OATT) process and are listed in the following table.

Requests in BPA TBL OATT Queue

Request #	Requestor	POR	POD	Size (MW)
737 – 738	BPA PBL	McNary 500	John Day 500	150 each
820-01 - 820-03	BPA PBL	McNary 500	John Day 500	100 each
848 – 849	Umatilla Gen. Project	McNary 500	Big Eddy 500	290 each
850 – 851	Umatilla Gen. Project	McNary 500	John Day 500	290 each
852 – 855	Umatilla Gen. Project	McNary 500	NW Hub	200,150,100,130
915 - 917	Diamond Gen. Corp.	McNary 500	NW Hub	100 each
918	Diamond Gen. Corp	McNary 500	Big Eddy 500	100
919-920	Diamond Gen. Corp	McNary 500	John Day 500	100,150,100

There are two primary constrained transfer path impacted by these requests, the West of McNary flowgate and the West of Slatt flowgate. Based on existing obligations, and other requests ahead of these in the long-term firm transmission service queue, it is forecast that system expansion is required to meet these long-term firm transmission service requests.

System expansion required to meet these requests is the planned McNary-John Day 500 kV transmission line project. At this time the estimated completion date for the planned McNary-John Day 500 kV line is December 31, 2007. Planning studies supporting the need for the McNary-John Day project are documented in the following reports:

- “System Impact Study for Transmission Requests from Proposed East Side Generators” dated April 10, 2002
- “Starbuck Generation Project System Facility Study Report” dated May 17, 2001
- “Wallula Generation Project System Facility Study Report” dated Sept. 26, 2001

These reports are available upon request from BPA TBL subject to a non-disclosure agreement. BPA TBL is presently going through the McNary-John Day open season process to enable implementation of the McNary-John Day 500 kV transmission line project. Information regarding implementation of the McNary-John Day project is available on the BPA TBL web site (<http://www.transmission.bpa.gov>) under Planning & Projects, Transmission Line Projects. Since the point-of-receipt for these transmission

requests is McNary substation at 500 kV, additional secondary grid (345 kV and below) additions and/or modifications are not required. If participation in the McNary-John Day Open Season exceeds the capacity enabled by the McNary-John Day 500 kV transmission line project, additional facilities will be required.

The next phase of the OATT process requires BPA TBL to tender a System Facilities Study (SFS) agreement to the requestor. The SFS would provide a detailed study and plan of service for additions and/or modifications to provide the requested transmission service. The preferred plan of service has already been identified as the McNary-John Day 500 kV transmission line project from earlier studies for other requests in the transmission service queue. The cost, schedule, and implementation of the McNary-John Day project are already being addressed in the McNary-John Day open season process. Therefore, no SFS is required at this time. If assumptions regarding the McNary-John Day project or assumptions regarding the OATT queue change in the future, an SFS would be required at that time to reevaluate the requirements.