

**Transmission Outages that have potential to impact fish operations**

Equipment Outage	Date(s)	Hours	Impacted Generation	Notes
<b>14-Feb</b>				
MCNARY: 230KV MAIN BUS SECTION 3	2/27-3/2/14	continuous	McNary units 9-12 will be o/s	install new bus work and cap. Replace disconnects.
<b>14-Mar</b>				
BON PH 2-NORTH BONNEVILLE NO 3 230KV LINE INCLUDING A-10 PCB AND 230KV AUX BUS	3/5/2014	0730-1530	Units 11-14 will be o/s	disconnect work
THE DALLES PH-BIG EDDY NO 2 115KV LINE	3/5/2014	0630-1200	The Dalles units 3 & 4 will be o/s	Black start testing
THE DALLES PH-BIG EDDY NO 3 115KV LINE	3/5/2014	1200-1700	The Dalles units 5 & 8 will be o/s	Black start testing
MCNARY: 230KV MAIN BUS SECTION 2	3/11-14/14	continuous	MCN units 5-8 will be o/s and MCN PH 5 & 6 lines will be restricted to a max of 400 MW.	remove retired disconnects
<b>14-Apr</b>				
CASCADE LOCKS-HOOD RIVER SECTION OF BON PH 1-HOOD RIVER NO 1 115KV LINE	4/7-10/14	continuous	Bonneville PH 1 115kv generation restricted to 170 MW	wood pole and insulator replacement
JOHN DAY-GRIZZLY NO 2 500KV LINE	4/25-28/14	continuous	Reduced capacity on COI could result in potential curtailments	damper replacements
<b>Future Outages</b>				
JOHN DAY PH-JOHN DAY NO 4 500KV LINE	9/2-10/17/14	continuous	units 13-16 will be o/s	conductor replacement
JOHN DAY PH-JOHN DAY NO 1 500KV LINE	10/20-12/5/14	continuous	units 1-4 will be o/s	conductor replacement

NOTE: Outages that are 1 hour or less are not shown