

Project Data - FCRPS (Federal Columbia River Power System)

Project	Normal Full	Normal Minimum	Minimum Discharge	Ramp rates	Number of units	rating	hydraulic capacity
ALF	2062.5	2051	4 kcfs	Normal 60 min limit 5 kcfs/hour Max 60 minute increase or decrease 1 ft/hr Max daily increase 10 kcfs/day Max dialy reduction below 50 kcfs 10 kcfs/day min daily reduction 50 to 75 kcfs 2 ft/ day min daily reduction above 75 1 ft/ day	3	3 @ 14.2 mw	33 kcfs
BON	76.5	71.5	80 instantaous 100 daily average		ph1 10 ph2 8	2 @ 43 MW 8 @ 54 MW 8 @ 66.5 MW	136 kcfs 152 kcfs
CHJ	956	950	Min daily 35 kcfs		27	16 @ 64 MW 11 @ 95 MW	219 kcfs
DWR	1600	1445	1 kcfs	at peck 1 ft per hour at peck 40% of previous weekly average outflow	3	2 @ 90 MW 1 @ 220 MW	10.5 kcfs
GCL	1290	1208		max forebay (drawdown) change 1.5 ft day	26	18 @ 125 MW 3 @ 600 MW 3 @ 700 MW	280 kcfs
HGH	3560	3336	.4 kcfs	*	4	4 @ 71.25 MW	8.9 kcfs
IHR	440	437	Dec - Feb 0 Mar - Jul 9.5 kcfs Aug - Nov 7.5 kcfs	Max rate of change 20 kcfs/hour	6	3 @ 90 MW 3 @ 111 MW	106 kcfs
JDA	Jul - Oct 268 Nov - Jun 265	Jul - Oct 265 Nov - Jun 260	Dec - Feb 12.5 kcfs Mar -Nov 50 kcfs	Max rate of change 200 kcfs/ hour	16	16 @ 135 MW	322 kcfs
LIB	2459	2287	2 instantaneous 3 kcfs daily average	Tailwater change May - Sep 1ft/hour * Tailwater change Oct - Apr 1ft/.5 hour	5	5 @ 105 MW	24.1 kcfs
LGS	638	633	Dec - Feb 0 kcfs Mar -Nov 11.5 kcfs	Max rate of change 70 kcfs/ hour	6	6 @ 135 MW	130 kcfs
LWG	738	733	Dec - Feb 0 kcfs Mar -Nov 11.5 kcfs	Max rate of change 70 kcfs/ hour	6	6 @ 135 MW	130 kcfs
LMN	540	537	Dec - Feb 0 kcfs Mar -Nov 11.5 kcfs	Max rate of change 70 kcfs/ hour	6	6 @ 135 MW	130 kcfs
MCN	340	335	Dec - Feb 12.5 kcfs Mar -Nov 50 kcfs	Max rate of change 150 kcfs/ hour	14	14 @ 70 MW	232 kcfs
TDA	160	155	Dec - Feb 12.5 kcfs Mar -Nov 50 kcfs	Max rate of change 150 kcfs/ hour	22	14 @ 72 MW 8 @ 86 MW	375 kcfs

ALF - Albeni Falls  
 CHJ - Chief Joseph  
 GCL - Grand Coulee  
 IHR - Ice Harbor  
 LIB - Libby  
 LWG - Lower Granite  
 MCN - McNary

BON - Bonneville  
 DWR - Dworshak  
 HGH - Hungry Horse  
 JDA - John Day  
 LGS - Little Goose  
 LMN - Lower Monumental  
 TDA - The Dalles

\* - Project Ramp rates specified in BiOps (see Water Management Plan)

Project Data - Canadian projects

Project	Normal Full	Normal Minimum	Minimum Discharge	Ramp rates	Number of units	rating	hydraulic capacity
ARDB	1444	1377.9	5 kcfs min weekly average	Max rate of change 25 kcfs/day Tailwater rate of change Normal per day 3 ft. Max per day 5ft.			
REVB	1880	1865			4	1800 MW	56 kcfs
MCDB	2475	2364.8	0 kcfs 10 kcfs - Columbia River Treaty		4	4 @ 435 mw	41.6 kcfs
DCDB	1892	1794.2	.1 kcfs min weekly average	4 kcfs / day			

ARDB - Arrow (Hugh Keenleyside)

REVB - Revelstoke

MCDB - Mica

DCDB - Ducan