

Northwest Planning Zone

Available Generation Capacity

Available Generation Capacity at indicated bus.
Each load is listed for only one source bus.
All information

A 496 MVA load on bus + MVA rating of transformer (not in model: 70% of load if unknown)
B 463 MVA transformer loading * 70% + MVA rating of transformer (subsystem in model)
C 1643 MVA transformer loading * 70% + MVA rating of transformer (subsystem not in model)
total: 2602

Bus#	Bus Name	type	AGC	Load	load on bus (type A)				OR	transformer loading (type B or C)				notes	
					MW	MVA	MVA rating	total		MVA	* 0.7 rating	total			
66724	'ALVARAD7'	A	3	66724 'ALVARAD7'	2	0	2	1	3		0	0	0	0	
63222	'ALEXAND7'	A	33	63222 'ALEXAND7'	19	3	20	14	33		0	0	0	0	
67461	'ALEXSOU'	A	21	67461 'ALEXSOU'	11	6	12	9	21		0	0	0	0	
67453	'ALEXSWM '	A	26	67453 'ALEXSWM '	15	5	15	11	26		0	0	0	0	
67454	'ALEXPLDM'	A	40	67454 'ALEXPLDM'	22	9	23	16	40		0	0	0	0	
66726	'ANDERNW7'	A	7	66726 'ANDERNW7'	4	0	4	3	7		0	0	0	0	
63136	'AUDUBON9'	C	128	63136 'AUDUBON9'	28	7	29	20	50		35	25	103	128	
63346	'BEMIDJ19'	C	17	63346 'BEMIDJ19'	5	2	5	4	9		5	4	13	17	
67015	'BEMIDJ8'	C	135	67015 'BEMIDJ8'	33	3	33	23	55		33	23	112	135	
63146	'BEMIDJ9'	C	41	63146 'BEMIDJ9'	6	1	6	4	10		6	4	37	41	
67455	'BRANDN 9'	C	42	67455 'BRANDN 9'	12	1	12	8	20		12	8	34	42	
63342	'CLBK LK9'	C	34	63342 'CLBK LK9'	17	6	18	12	30		17	12	22	34	
63241	'CLEARBR7'	A	4	63241 'CLEARBR7'	3	0	3	2	4		0	0	0	0	
62533	'CORMRNT7'	A	6	62533 'CORMRNT7'	4	1	4	3	6		0	0	0	0	
63249	'CRKSTON7'	A	35	63249 'CRKSTON7'	20	4	20	14	35		0	0	0	0	
67462	'DLINDUST'	A	11	67462 'DLINDUST'	6	2	7	5	11		0	0	0	0	
67463	'DLRUDDST'	A	11	67463 'DLRUDDST'	6	2	6	4	11		0	0	0	0	
67464	'DLWEST '	A	11	67464 'DLWEST '	6	2	6	4	11		0	0	0	0	
63207	'DL OTP 7'	A	1	63207 'DL OTP 7'	0	0	0	0	1		0	0	0	0	
63356	'DON PIP9'	C	44	63356 'DON PIP9'	14	5	15	10	25		15	10	34	44	
63155	'DONALDS9'	C	25	63155 'DONALDS9'	8	0	8	5	13		8	5	20	25	
63232	'EDGETWN7'	A	30	63232 'EDGETWN7'	17	2	18	12	30		0	0	0	0	
66430	'EGF IND7'	A	8	66430 'EGF IND7'	4	2	5	3	8		0	0	0	0	
62527	'ELMO 7'	A	5	62527 'ELMO 7'	3	1	3	2	5		0	0	0	0	

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total: 2602

Bus#	Bus Name	type	AGC	Load	load on bus (type A)					OR	transformer loading				notes
					(type A)						(type B or C)				
					MW	MVAr	MVA rating	total		MVA	* 0.7 rating	total			
66203	'FARGO 8'	B	184	66203 'FARGO 8'	39	0	39	28	67		60	42	142	184	
						total:	39	28	67						
63150	'FERTILE9'	C	13	63150 'FERTILE9'	4	0	4	3	6		4	3	10	13	
62566	'FRAZEE 9'	C	61	62566 'FRAZEE 9'	24	4	24	17	41		25	17	43	61	
66202	'GRNDFKS8'	B	141	66202 'GRNDFKS8'	26	4	26	18	44		58	41	100	141	
				61151 'CENTRAL8'	7	1	7	5	13		0	0	0	0	
				66894 'MILL RD8'	5	1	5	4	9		0	0	0	0	
						total:	39	27	66						
66723	'GREENWD7'	A	26	66723 'GREENWD7'	16	0	16	11	26		0	0	0	0	
66718	'HALMA 7'	A	2	66718 'HALMA 7'	1	0	1	1	2		0	0	0	0	
63309	'HENNING9'	C	36	63309 'HENNING9'	12	3	13	9	21		13	9	27	36	
63223	'HOOT LK7'	A	22	63223 'HOOT LK7'	13	2	13	9	22		0	0	0	0	
63123	'HOOT LK9'	C	43	63123 'HOOT LK9'	21	5	22	15	37		22	16	27	43	
63323	'HOOTLK2G'	C	107	63323 'HOOTLK2G'	3	2	3	2	5		67	47	60	107	
63324	'HOOTLK3G'	C	148	63324 'HOOTLK3G'	4	3	5	3	8		92	64	84	148	
63344	'ITASCA 9'	C	15	63344 'ITASCA 9'	6	2	6	4	10		6	4	11	15	
66838	'KARLSTA8'	C	35	66838 'KARLSTA8'	8	0	8	5	13		8	5	30	35	
63156	'KARLSTD9'	C	21	63156 'KARLSTD9'	1	0	1	1	2		1	1	20	21	
63237	'MAHNOMN7'	A	8	63237 'MAHNOMN7'	4	2	5	3	8		0	0	0	0	
60136	'MAPLE R7'	A	5	60136 'MAPLE R7'	3	1	3	2	5		0	0	0	0	
67000	'MAPLE R8'	B	139	67000 'MAPLE R8'	57	1	57	40	97		38	27	112	139	
						total:	57	40	97						
63340	'MN PIPE9'	C	17	63340 'MN PIPE9'	8	3	8	6	14		8	6	11	17	
66722	'OSLO 7'	A	9	66722 'OSLO 7'	5	1	5	4	9		0	0	0	0	
63284	'OSLO TN7'	A	2	63284 'OSLO TN7'	1	0	1	1	2		0	0	0	0	
63234	'PEL RPD7'	A	25	63234 'PEL RPD7'	15	1	15	10	25		0	0	0	0	
63235	'PERHAM 7'	A	24	63235 'PERHAM 7'	13	6	14	10	24		0	0	0	0	
63252	'PLUMMER7'	A	13	63252 'PLUMMER7'	8	0	8	5	13		0	0	0	0	
63353	'PLUMPIP9'	C	45	63353 'PLUMPIP9'	13	4	14	10	24		13	9	36	45	
66729	'RICELAK7'	A	3	66729 'RICELAK7'	2	0	2	1	3		0	0	0	0	

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					(type A)						(type B or C)				
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62562	'RUSH LK9'	C	54	62562 'RUSH LK9'	10	2	10	7	18		11	7	47	54	
63310	'TAMARAC9'	C	28	63310 'TAMARAC9'	6	2	6	4	11		6	4	24	28	
66910	'TRFALLS8'	C	83	66910 'TRFALLS8'	15	6	16	11	28		18	13	70	83	
67039	'ULRICH 8'	C	30	67039 'ULRICH 8'	5	0	5	3	8		5	3	27	30	
66773	'ULRICH 9'	C	14	66773 'ULRICH 9'	1	0	1	1	2		1	1	13	14	
63354	'VIK PIP9'	C	32	63354 'VIK PIP9'	13	4	13	9	23		14	10	22	32	
63254	'VIKING 7'	A	1	63254 'VIKING 7'	0	0	0	0	1		0	0	0	0	
63229	'WAHPETN7'	A	63	63229 'WAHPETN7'	34	13	37	26	63		0	0	0	0	
63129	'WAHPETN9'	C	136	63129 'WAHPETN9'	34	7	34	24	58		35	24	112	136	
66725	'WARREN 7'	A	2	66725 'WARREN 7'	1	0	1	1	2		0	0	0	0	
66714	'WARSAW 7'	A	35	66714 'WARSAW 7'	21	2	21	15	35		0	0	0	0	
66968	'WILTON 8'	C	102	66968 'WILTON 8'	26	0	26	18	44		26	18	84	102	
63145	'WILTON 9'	C	46	63145 'WILTON 9'	5	1	5	4	9		5	4	42	46	
63280	'WILPIPE'	A	6	63280 'WILPIPE'	3	1	4	3	6		0	0	0	0	
67018	'WINGER 8'	C	83	67018 'WINGER 8'	18	1	18	13	31		18	13	70	83	
63138	'WINGER 9'	C	29	63138 'WINGER 9'	2	0	2	1	3		2	1	28	29	

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