

# Northeast Planning Zone

## Available Generation Capacity

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

**A 302** MVA load on bus + **MVA rating of transformer** (not in model: 70% of load if unknown)  
**B 236** MVA transformer loading \* 70% + MVA rating of transformer (subsystem in model)  
**C 1844** MVA transformer loading \* 70% + MVA rating of transformer (subsystem not in model)  
**total: 2383**

Bus#	Bus Name	type	AGC	Load	load on bus (type A)					OR	transformer loading				notes
					(type A)						(type B or C)				
					MW	MVA	rating	total		MVA	* 0.7	rating	total		
61686	'15TH AV7'	A	119	61686 '15TH AV7'	67	22	70	49	119		0	0	0	0	
62472	'4CORNRS8'	B	39	62472 '4CORNRS8'	0	0	0	0	0		15	11	28	39	
	62467 'SOLWAY 8'				2	0	2	1	3		0	0	0	0	
	62466 'GRANDLK8'				3	1	3	2	6		0	0	0	0	
	62465 'BRANDEN8'				1	0	1	0	1		0	0	0	0	
	62462 'GOWAN 8'				1	0	1	1	1		0	0	0	0	
	62463 'CEDARVL8'				2	0	2	1	4		0	0	0	0	
	62459 'CRMWLLD8'				2	0	2	1	3		0	0	0	0	
	62649 'PALISAD8'				2	0	2	1	3		0	0	0	0	
	62461 'ROUNDLK8'				4	1	4	2	6		0	0	0	0	
	62460 'WRIGHT 8'				1	0	1	1	2		0	0	0	0	
					<b>total:</b>		<b>18</b>	<b>12</b>	<b>30</b>						
62638	'AITKIN 7'	A	4	62638 'AITKIN 7'	2	0	2	2	4		0	0	0	0	
61654	'AITKNMN7'	A	4	61654 'AITKNMN7'	2	1	2	2	4		0	0	0	0	
62896	'ALDRICH7'	A	3	62896 'ALDRICH7'	2	0	2	1	3		0	0	0	0	
61673	'ARROWHD7'	A	15	61673 'ARROWHD7'	8	3	9	6	15		0	0	0	0	
61705	'BABBITT7'	A	11	61705 'BABBITT7'	6	0	6	4	11		0	0	0	0	
61640	'BADOURA7'	A	5	61640 'BADOURA7'	3	1	3	2	5		0	0	0	0	
61840	'BADOURA9'	B	56	61840 'BADOURA9'	23	6	24	17	41		28	20	36	56	
	62412 'TRIPPLK9'				1	0	1	1	2		0	0	0	0	
	61854 '507-20T9'				1	1	1	1	2		0	0	0	0	
	62208 'BIRCHLK9'				3	1	3	2	6		0	0	0	0	
	61855 'HACKREG9'				1	1	1	1	3		0	0	0	0	
					<b>total:</b>		<b>31</b>	<b>22</b>	<b>53</b>						
62206	'BAXTER 7'	A	24	62206 'BAXTER 7'	14	3	14	10	24		0	0	0	0	
61845	'BAXTER 9'	C	29	61845 'BAXTER 9'	11	3	11	8	19		11	8	21	29	
62314	'BEAR CK8'	B	92	62314 'BEAR CK8'	0	0	0	0	0		45	32	60	92	
	62313 'GRNDSTN8'				5	0	5	3	8		0	0	0	0	
	62304 'HNCKLEY8'				4	1	4	3	7		0	0	0	0	
	62275 'PINECTY8'				18	4	18	13	31		0	0	0	0	
	62279 'BRAHAM 8'				8	2	8	6	14		0	0	0	0	
	62305 'SANDSTN8'				4	0	4	2	6		0	0	0	0	
					<b>total:</b>		<b>39</b>	<b>27</b>	<b>67</b>						
62446	'BERGNLK7'	A	2	62446 'BERGNLK7'	1	0	1	1	2		0	0	0	0	

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- B** 236 MVA transformer loading \* 70% + MVA rating of transformer (subsystem in model)
- C** 1844 MVA transformer loading \* 70% + MVA rating of transformer (subsystem not in model)

total: 2383

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			
61779	'BLANDIN7'	A	88	61779 'BLANDIN7'	51	8	52	36	88		0	0	0	0	
62488	'BLCKBRY8'	B	50	62488 'BLCKBRY8'	0	0	0	0	0		15	10	40	50	
	62478 'GOODLND8'				2	0	2	1	3		0	0	0	0	
	62476 'BLKBRYD8'				4	0	4	2	6		0	0	0	0	
	62475 'GUNN 8'				5	1	5	3	8		0	0	0	0	
	62474 'ARBO 8'				3	0	3	2	5		0	0	0	0	
					<b>total:</b>		<b>13</b>	<b>9</b>	<b>22</b>						
61849	'BLNCHRD9'	C	44	61849 'BLNCHRD9'	26	8	27	19	46		8	5	39	44	
61778	'BLNDTAP7'	A	11	61778 'BLNDTAP7'	6	3	7	5	11		0	0	0	0	
61755	'BOISE 9'	C	44	61755 'BOISE 9'	7	2	7	5	13		15	11	33	44	
61792	'BOISEC 9'	C	93	61792 'BOISEC 9'	27	9	28	20	48		39	27	66	93	
61748	'BOSWELL7'	A	6	61748 'BOSWELL7'	3	1	3	2	6		0	0	0	0	
61852	'BRAINRD9'	C	87	61852 'BRAINRD9'	45	14	47	33	80		47	33	54	87	
61671	'BURNETT7'	A	2	61671 'BURNETT7'	1	0	1	1	2		0	0	0	0	
63247	'CASS LK7'	A	5	63247 'CASS LK7'	3	0	3	2	5		0	0	0	0	
63347	'CASS LK8'	C	20	63347 'CASS LK8'	20	4	20	14	34		9	7	13	20	
63248	'CASS N 7'	A	3	63248 'CASS N 7'	2	0	2	1	3		0	0	0	0	
63349	'CASSPIP9'	C	27	63349 'CASSPIP9'	6	2	6	4	11		7	5	22	27	
61668	'CLOQUET7'	A	47	61668 'CLOQUET7'	26	9	27	19	47		0	0	0	0	
62449	'COHASST7'	A	10	62449 'COHASST7'	6	1	6	4	10		0	0	0	0	
61688	'COLBYVL7'	A	35	61688 'COLBYVL7'	20	6	21	14	35		0	0	0	0	
62452	'COTTON 7'	A	3	62452 'COTTON 7'	2	0	2	1	3		0	0	0	0	
62470	'CROMWLL8'	B	52	62470 'CROMWLL8'	0	0	0	0	0		23	16	36	52	
	62468 'KETTLER8'				3	1	3	2	5		0	0	0	0	
	62970 'MOOSELK8'				6	1	6	4	9		0	0	0	0	
	62971 'MOOSEMN8'				3	1	3	2	5		0	0	0	0	
	62307 'DENHAM 8'				2	0	2	1	3		0	0	0	0	
	62306 'HARRY M8'				3	0	3	2	4		0	0	0	0	
	62469 'STURGEN8'				3	1	3	2	5		0	0	0	0	
					<b>total:</b>		<b>19</b>	<b>13</b>	<b>32</b>						
61632	'DAHLBRG7'	A	12	61632 'DAHLBRG7'	6	3	7	5	12		0	0	0	0	
61780	'DEER RV7'	A	4	61780 'DEER RV7'	3	0	3	2	4		0	0	0	0	
62487	'DEER RV8'	B	60	62487 'DEER RV8'	0	0	0	0	0		18	12	48	60	
	62479 'BALLCLB8'				4	1	4	3	6		0	0	0	0	
	62480 'BENA 8'				2	0	2	1	3		0	0	0	0	
	62481 'BOY RIV8'				2	0	2	1	3		0	0	0	0	

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**C** 1844 MVA transformer loading \* 70% + MVA rating of transformer (subsystem not in model)  
**total: 2383**

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	
				62489 'REMER 8'	2	0	2	1	3		0	0	0	0	
				62186 'THUN LK8'	2	0	2	1	4		0	0	0	0	
				62189 'WABEDO 8'	5	1	5	3	8		0	0	0	0	
				62185 'OX LAKE8'	5	1	5	3	8		0	0	0	0	
				62184 'EMILY 8'	5	1	5	4	9		0	0	0	0	
				62699 'EVENSON8'	1	0	1	1	2		0	0	0	0	
				62698 'WIRT 8'	1	0	1	0	1		0	0	0	0	
				62697 'BIGFORK8'	4	0	4	3	7		0	0	0	0	
				62696 'JESS LK8'	3	0	3	2	6		0	0	0	0	
				<b>total:</b>			<b>35</b>	<b>24</b>	<b>59</b>						
62175	'DEWING 7'	A	6	62175 'DEWING 7'	4	1	4	3	6		0	0	0	0	
60749	'DGLAS C8'	B	80	60749 'DGLAS C8'	10	3	10	7	17		47	33	47	80	
				60750 'OSAKIS 8'	3	1	3	2	5		0	0	0	0	
				62820 'W UNION8'	3	0	3	2	4		0	0	0	0	
				60748 'WESTPRT8'	0	0	0	0	1		0	0	0	0	
				60751 'SAUKCMU8'	12	5	13	9	22		0	0	0	0	
				<b>total:</b>			<b>29</b>	<b>20</b>	<b>49</b>						
61844	'DOGLAKE9'	C	22	61844 'DOGLAKE9'	7	2	7	5	12		5	4	18	22	
61723	'ETCO G'	C	148	61723 'ETCO G'	36	19	41	29	70		68	48	100	148	
61669	'FLDWOOD7'	A	27	61669 'FLDWOOD7'	15	5	16	11	27		0	0	0	0	
61689	'FRNCHRV7'	A	5	61689 'FRNCHRV7'	3	1	3	2	5		0	0	0	0	
61679	'GARY 7'	A	47	61679 'GARY 7'	27	6	28	19	47		0	0	0	0	
61740	'GR RPDS7'	A	37	61740 'GR RPDS7'	21	7	22	15	37		0	0	0	0	
61674	'HANESRD7'	A	50	61674 'HANESRD7'	28	9	30	21	50		0	0	0	0	
61726	'HBTCMP9'	C	23	61726 'HBTCMP9'	11	4	12	8	20		12	8	15	23	
61676	'HIBBARD7'	A	4	61676 'HIBBARD7'	2	1	2	2	4		0	0	0	0	
61724	'HIBBING7'	A	59	61724 'HIBBING7'	33	11	35	24	59		0	0	0	0	
61729	'HIBBTACG'	C	304	61729 'HIBBTACG'	96	39	103	72	176		148	104	200	304	
62448	'HILLCTY7'	A	4	62448 'HILLCTY7'	2	1	2	2	4		0	0	0	0	
61641	'HUBBARD7'	A	3	61641 'HUBBARD7'	2	1	2	1	3		0	0	0	0	
61841	'HUBBARD9'	C	58	61841 'HUBBARD9'	38	10	39	27	67		41	28	30	58	
61753	'I.FALLS9'	C	69	61753 'I.FALLS9'	12	4	12	9	21		12	9	60	69	
61715	'INLAND G'	C	99	61715 'INLAND G'	34	17	38	27	65		46	32	67	99	
62453	'IRON 7'	A	3	62453 'IRON 7'	2	0	2	1	3		0	0	0	0	
62455	'KEEWATN7'	A	5	62455 'KEEWATN7'	3	1	3	2	5		0	0	0	0	

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**total: 2383**

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	
62637	'KIMBRLY7'	A	2	62637 'KIMBRLY7'	1	0	1	1	2		0	0	0	0	
61791	'LAKEHD 7'	A	22	61791 'LAKEHD 7'	12	5	13	9	22		0	0	0	0	
62451	'LAKELND7'	A	7	62451 'LAKELND7'	4	0	4	3	7		0	0	0	0	
66716	'LAPORTE7'	A	4	66716 'LAPORTE7'	2	0	2	2	4		0	0	0	0	
61702	'LASKIN 7'	A	9	61702 'LASKIN 7'	5	2	5	4	9		0	0	0	0	
66715	'LEECHLK7'	A	4	66715 'LEECHLK7'	2	0	2	1	4		0	0	0	0	
61850	'LITTLEF9'	C	61	61850 'LITTLEF9'	38	11	40	28	67		35	25	36	61	
61847	'LONG PR9'	C	60	61847 'LONG PR9'	38	11	40	28	68		40	28	32	60	
61681	'LSPI 7'	A	44	61681 'LSPI 7'	25	9	26	18	44		0	0	0	0	
61682	'LSPI 9'	C	177	61682 'LSPI 9'	57	16	59	41	101		50	35	142	177	
62818	'LTLSAUK7'	A	4	62818 'LTLSAUK7'	3	0	3	2	4		0	0	0	0	
61807	'MAH 46 9'	B	20	61807 'MAH 46 9'	0	0	0	0	0		10	7	13	20	
	61811 'DENHAM 9'			3	1	3	2	5	0	0	0	0			
	61810 'ANDRCRN9'			1	1	2	1	3	0	0	0	0			
	61808 'SAND46 9'			2	1	2	2	4	0	0	0	0			
	61801 '450 TAP9'			4	1	4	3	7	0	0	0	0			
	61804 'HINK-E 9'			3	1	3	2	5	0	0	0	0			
				<b>total:</b>		<b>14</b>	<b>10</b>	<b>23</b>							
61815	'MAHT24 9'	B	11	61815 'MAHT24 9'	0	0	0	0	1		5	3	8	11	
	61814 'MAHTOWV9'			1	1	2	1	3	0	0	0	0			
	62405 'PETERSN9'			1	0	1	0	1	0	0	0	0			
	61813 'BARNUM 9'			2	1	2	1	4	0	0	0	0			
				<b>total:</b>		<b>5</b>	<b>3</b>	<b>8</b>							
62636	'MCGREGR7'	A	4	62636 'MCGREGR7'	2	0	2	2	4		0	0	0	0	
61670	'MDWLNDS7'	A	3	61670 'MDWLNDS7'	2	0	2	1	3		0	0	0	0	
62176	'MERRFLD7'	A	10	62176 'MERRFLD7'	6	1	6	4	10		0	0	0	0	
61687	'MIDWAY 7'	A	9	61687 'MIDWAY 7'	5	2	5	4	9		0	0	0	0	
62301	'MILACA 8'	B	165	62301 'MILACA 8'	0	0	0	0	0		76	53	112	165	
	62273 'MILACAD8'			17	3	17	12	29	0	0	0	0			
	62271 'LONGSDG8'			7	1	7	5	11	0	0	0	0			
	62155 'PRINCID8'			6	1	6	4	11	0	0	0	0			
	61924 'PRINCETN'			4	1	4	3	8	0	0	0	0			
	62099 'BALDWIN8'			8	1	8	6	14	0	0	0	0			
	61921 'PRINNTN '			4	1	4	3	8	0	0	0	0			
	62283 'DALBO 8'			4	1	4	3	7	0	0	0	0			
	62272 'GILMAN 8'			6	1	6	4	10	0	0	0	0			
	62280 'OGILVIE8'			6	1	6	4	11	0	0	0	0			
61914 'MORA '	14	4	14	10	25	0	0	0	0						

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total: 2383

Bus#	Bus Name	type	AGC	Load	load on bus (type A) (type A)				OR	transformer loading (type B or C)				notes	
					MW	MVAr	MVA rating	total		MVA * 0.7	rating	total			
				62303 'MORA 8'	7	2	7	5	13		0	0	0	0	
				62644 'GLEN 8'	2	0	2	1	3		0	0	0	0	
				<b>total:</b>			<b>87</b>	<b>61</b>	<b>148</b>						
61639	'MNP-STP7'	<b>A</b>	<b>6</b>	61639 'MNP-STP7'	3	1	3	2	6		0	0	0	0	
61713	'MNTC C G'	<b>C</b>	<b>218</b>	61713 'MNTC C G'	75	40	85	59	144		119	84	134	218	
61737	'NASHWAK7'	<b>A</b>	<b>8</b>	61737 'NASHWAK7'	5	0	5	3	8		0	0	0	0	
61732	'NATIONLG'	<b>C</b>	<b>160</b>	61732 'NATIONLG'	66	24	70	49	119		86	60	100	160	
61678	'NEMADJ17'	<b>A</b>	<b>16</b>	61678 'NEMADJ17'	9	3	9	7	16		0	0	0	0	
63348	'NO PIPE9'	<b>C</b>	<b>25</b>	63348 'NO PIPE9'	9	3	9	6	16		9	7	18	25	
62410	'PALMRLK7'	<b>A</b>	<b>2</b>	62410 'PALMRLK7'	1	0	1	1	2		0	0	0	0	
62454	'PEARY 7'	<b>A</b>	<b>4</b>	62454 'PEARY 7'	2	0	2	2	4		0	0	0	0	
61848	'PEQUOT 9'	<b>C</b>	<b>32</b>	61848 'PEQUOT 9'	18	5	19	13	32		19	14	18	32	
61719	'PLANT 2G'	<b>B</b>	<b>68</b>	61719 'PLANT 2G'	1	1	1	1	3		2	1	67	68	
				<b>total:</b>			<b>1</b>	<b>1</b>	<b>3</b>						
61717	'PLANT 3G'	<b>B</b>	<b>68</b>	61717 'PLANT 3G'	1	0	1	1	1		1	1	67	68	
				<b>total:</b>			<b>1</b>	<b>1</b>	<b>1</b>						
61716	'PLANT 4G'	<b>B</b>	<b>67</b>	61716 'PLANT 4G'	1	0	1	0	1		1	0	67	67	
				<b>total:</b>			<b>1</b>	<b>0</b>	<b>1</b>						
61667	'POTLTCH7'	<b>A</b>	<b>81</b>	61667 'POTLTCH7'	45	15	47	33	81		0	0	0	0	
62195	'PQUOTLK8'	<b>B</b>	<b>44</b>	62195 'PQUOTLK8'	0	0	0	0	0		20	14	30	44	
				62188 'STONYBK8'	5	1	5	4	9		0	0	0	0	
				62187 'BREZYPT8'	9	2	9	6	15		0	0	0	0	
				<b>total:</b>			<b>14</b>	<b>10</b>	<b>24</b>						
62421	'PRK RPD7'	<b>A</b>	<b>11</b>	62421 'PRK RPD7'	7	0	7	5	11		0	0	0	0	
61675	'RIDGEVW7'	<b>A</b>	<b>47</b>	61675 'RIDGEVW7'	26	8	28	19	47		0	0	0	0	
61853	'RIVERTN9'	<b>C</b>	<b>47</b>	61853 'RIVERTN9'	19	6	20	14	34		19	14	33	47	
62180	'RIVTON 8'	<b>B</b>	<b>83</b>	62180 'RIVTON 8'	0	0	0	0	0		39	27	56	83	
				62181 'OAKLAWN8'	4	1	4	3	7		0	0	0	0	
				62646 'WILSONL8'	7	1	7	5	12		0	0	0	0	
				62182 'PINECTR8'	3	1	3	2	5		0	0	0	0	
				62650 'VINELND8'	8	2	8	6	14		0	0	0	0	
				62302 'ISLE 8'	6	1	6	4	10		0	0	0	0	
				62642 'ONAMIA 8'	6	1	6	4	11		0	0	0	0	
				62643 'OPSTEAD8'	2	0	2	1	3		0	0	0	0	
				62645 'SPIRITL8'	5	1	5	3	8		0	0	0	0	
				<b>total:</b>			<b>41</b>	<b>29</b>	<b>70</b>						
61192	'ROCKCRK8'	<b>B</b>	<b>52</b>	61192 'ROCKCRK8'	0	0	0	0	0		3	2	50	52	

- A** 302 MVA load on bus + MVA rating of transformer (not in model: 70% of load if unknown)
- B** 236 MVA transformer loading \* 70% + MVA rating of transformer (subsystem in model)
- C** 1844 MVA transformer loading \* 70% + MVA rating of transformer (subsystem not in model)

total: 2383

Bus#	Bus Name	type	AGC	Load	load on bus (type A) (type A)				OR	transformer loading (type B or C)				notes
					MW	MVAr	MVA rating	total		MVA * 0.7	rating	total		
					total:	0	0	0						
66780	'RUNNINU8'	B	149	66780 'RUNNINU8'	0	0	0	0		12	9	140	149	
				67017 'RUNNING8'	12	0	12	9	21	0	0	0	0	
					total:	12	9	21						
62490	'SHANNON8'	B	38	62490 'SHANNON8'	0	0	0	0	0	12	8	30	38	
				62491 'SIDE LK8'	2	0	2	1	3	0	0	0	0	
				62492 'MEADWBK8'	3	1	3	2	5	0	0	0	0	
				62493 'COOK 8'	6	1	6	4	10	0	0	0	0	
					total:	10	7	17						
61691	'SLVRBYH7'	A	3	61691 'SLVRBYH7'	2	-1	2	1	3	0	0	0	0	
62210	'STHDALE7'	A	22	62210 'STHDALE7'	13	3	13	9	22	0	0	0	0	
61683	'STIN-MN7'	A	75	61683 'STIN-MN7'	42	14	44	31	75	0	0	0	0	
62403	'STINSON8'	B	33	62403 'STINSON8'	0	0	0	0	0	7	5	28	33	
				62395 'BARDON 8'	5	0	5	3	8	0	0	0	0	
				62396 'AMNICON8'	2	1	2	2	4	0	0	0	0	
					total:	7	5	12						
62050	'TAC HAR8'	B	35	62050 'TAC HAR8'	0	0	0	0	0	10	7	28	35	
				62051 'SCHRDER8'	1	0	1	1	2	0	0	0	0	
				62052 'LUTSEN 8'	2	0	2	1	3	0	0	0	0	
				61918 'GRAND MA'	4	1	4	3	7	0	0	0	0	
				62053 'MAPLE H8'	2	1	2	2	4	0	0	0	0	
				62055 'COLVILL8'	2	0	2	1	3	0	0	0	0	
					total:	11	8	19						
61735	'TBIRD S7'	A	5	61735 'TBIRD S7'	3	1	3	2	5	0	0	0	0	
62895	'THMSTWN7'	A	5	62895 'THMSTWN7'	3	0	3	2	5	0	0	0	0	
61803	'THOM46 9'	B	21	61803 'THOM46 9'	0	0	0	0	0	9	6	15	21	
				62397 'SUMMIT 9'	1	0	1	1	2	0	0	0	0	
				61805 'KERRICK9'	1	0	1	0	1	0	0	0	0	
				61806 'ASKOV 9'	2	1	2	1	3	0	0	0	0	
					total:	4	3	7						
61665	'THOMSON7'	A	14	61665 'THOMSON7'	8	1	8	6	14	0	0	0	0	
61690	'TWO HBR7'	A	13	61690 'TWO HBR7'	7	2	7	5	13	0	0	0	0	
61642	'VERNDLE7'	A	13	61642 'VERNDLE7'	8	3	8	6	13	0	0	0	0	
61842	'VERNDLE9'	C	52	61842 'VERNDLE9'	23	5	24	17	41	23	16	36	52	
61708	'VIRGNIA7'	A	70	61708 'VIRGNIA7'	39	13	41	29	70	0	0	0	0	
62497	'VIRGNIA8'	B	39	62497 'VIRGNIA8'	0	0	0	0	0	14	10	30	39	
				62496 'PIKE RV8'	2	0	2	2	4	0	0	0	0	
				62495 'SAND LK8'	2	1	2	2	4	0	0	0	0	
				62494 'POTLTCH8'	9	0	9	7	16	0	0	0	0	
					total:	14	10	24						

- A** 302 MVA load on bus + MVA rating of transformer (not in model: 70% of load if unknown)
- B** 236 MVA transformer loading \* 70% + MVA rating of transformer (subsystem in model)
- C** 1844 MVA transformer loading \* 70% + MVA rating of transformer (subsystem not in model)

total: 2383

Bus#	Bus Name	type	AGC	Load	load on bus (type A) (type A)				OR	transformer loading (type B or C)				notes	
					MW	MVAr	MVA rating	total		MVA * 0.7	rating	total			
62170	'WALDO 7'	A	17	62170 'WALDO 7'	10	1	10	7	17		0	0	0	0	
61680	'WNTR ST7'	A	68	61680 'WNTR ST7'	38	12	40	28	68		0	0	0	0	
61664	'WRENSHL7'	A	7	61664 'WRENSHL7'	4	0	4	3	7		0	0	0	0	

total: 4488