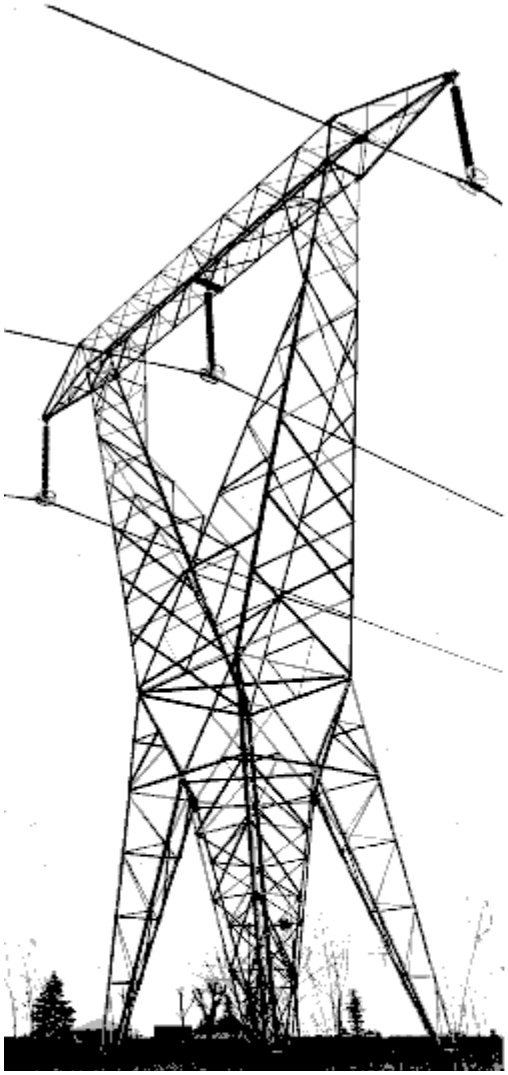
TRANSMISSION LINE ALLOWABLE CURRENT RATINGS AT MAXIMUM OPERATING TEMPERATURE AND AMBIENT AIR TEMPERATURE (115 KV and Below)



TOP -- Network Planning
System Electrical Data Book

Bookmasters: Roger D. Howlett & Timothy K. Lungren

BONNEVILLE POWER ADMINISTRATION
TRANSMISSION LINE RATINGS

Prepared by
RDH and TKL / TOP

KV	LINE LOCATION	LENGTH MILES	CONDUCTOR	Max. Oper Temp Deg. C	Allowable Amperage Ratings Ambient Air Temperature (Deg C) -30	-22	-20	-15	-10	-5	0	5	10	20	30
115	**Aberdeen - Tap (Olympia - Cosmopolis 1)**														
	Aberdeen - Twr 15/2	0.28	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Twr 15/2 - Twr 14/1	1.29	1272 ACSR Bittern	100	1940	1880	1870	1830	1790	1750	1700	1660	1620	1520	1420
	Twr 14/1 - Twr 12/2	1.65	1272 ACSR Bittern	100	1940	1880	1870	1830	1790	1750	1700	1660	1620	1520	1420
	Twr 12/2 - Twr 1/3	11.30	1272 ACSR Bittern	90	1880	1820	1800	1760	1710	1670	1620	1575	1530	1420	1310
	Twr 1/3 - Tap	0.06	4/0 ACSR Penguin	100	590	570	570	560	540	530	520	505	490	460	430
		14.58													
		14.58													
115	**Adair - Tap (Salem - Albany 2)**														
		0.10	266.8 ACSR Partridge	80	680	660	650	640	620	600	580	560	540	500	450
		0.91	266.8 ACSR Partridge	80	680	660	650	640	620	600	580	560	540	500	450
		1.01													
		1.01													
115	**Addy - Colville 1**														
	Addy - Str 1/2	0.10	1272 AAC Narcissus	100	1910	1850	1840	1800	1760	1720	1680	1635	1590	1500	1400
	Str 1/2 - Str 1/3	0.07	1.3 in AACTW Hood	100	2120	2060	2040	2000	1950	1910	1860	1815	1770	1660	1550
	Str 1/3 - Str 2/2	0.60	1.3 in AACTW Hood	100	2120	2060	2040	2000	1950	1910	1860	1815	1770	1660	1550
	Str 2/2 - Str 12/7	10.86	1.3 in AACTW Hood	100	2120	2060	2040	2000	1950	1910	1860	1815	1770	1660	1550
	Str 12/7 - Str 13/2	0.19	1.3 in AACTW Hood	100	2120	2060	2040	2000	1950	1910	1860	1815	1770	1660	1550
	Str 13/2 - Str 16/3	3.14	1.3 in AACTW Hood	100	2120	2060	2040	2000	1950	1910	1860	1815	1770	1660	1550
	Str 16/3 - Colville	0.26	1.3 in AACTW Hood	100	2120	2060	2040	2000	1950	1910	1860	1815	1770	1660	1550
		15.22													
		15.22													
115	**Ahsahka - Tap (Dworshak PH - Orofino(AVA) 1)**														
	? Line section is foreign owned, maximum operating temperature assumed.														
	Ahsahka - Twr 1/4	0.77	397.5 ACSR Ibis	50 ?	770	730	720	690	660	630	600	560	520	440	330
	Twr 1/4 - Tap	0.01	795 ACSR Drake	50	1190	1130	1110	1070	1020	970	920	860	800	670	490
		0.78													
		0.78													
115	**Albany - Burnt Woods 1**														
	& Amperage ratings based on Maintenance's agreement to monitor suspect compression fittings.														
	Albany - Str 2/7	1.78	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 2/7 - Burnt Woods	24.00	4/0 ACSR Penguin	50 &	480	460	450	430	410	390	370	350	330	270	210
		25.78													
		25.78													
115	**Albany - Eugene 1**														
	* Copper conductor current ratings limited to maximum value by annealing under ferris clamps.														
	Albany - Str 1/1	0.09	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 1/1 - Str 1/3	0.07	250 Cu 19 Str	100	860	840	830	810	790	770	750	730	710	670	630
	Str 1/3 - Harrisburg Tap	22.47	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
		22.63													
	Harrisburg Tap - Str 25/7	1.77	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 25/7 - Str 26/10	0.77	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 26/10 - Str 27/5	1.13	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 27/5 - Str 27/6	0.22	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 27/6 - Str 29/12	1.87	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 29/12 - Str 30/21	1.16	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 30/21 - Alderwood Tap	1.35	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
		8.27													
	Alderwood Tap - Junction City (BLC) Tap	2.07	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
		2.07													
	Junction City (BLC) Tap - Parker (BLC) Ta	2.94	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
		2.94													
	Parker (BLC) Tap - Eugene	3.90	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
		3.90													
		39.81													
115	**Albany - Lebanon 1**														
	Albany - Str 1/1	0.03	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
	Str 1/1 - Str 1/12	0.50	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
	Str 1/12 - Str 2/7	0.81	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
	Str 2/7 - Str 2/10	0.27	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
	Str 2/10 - Str 3/1	0.63	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
	Str 3/1 - Lochner Tap (3/3)	0.18	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
		2.42													
	Lochner Tap - Froman Tap	3.32	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
		3.32													
	Froman Tap (6/7) - Str 17/2	10.61	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
	Str 17/2 - Lebanon	0.66	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
		11.27													
		17.01													

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KV	LINE LOCATION	LENGTH MILES	CONDUCTOR	Max. Oper Temp Deg. C	Allowable Amperage Ratings Ambient Air Temperature (Deg C) -30	-22	-20	-15	-10	-5	0	5	10	20	30
115	**Albany 230/115 kV Tie**														
		0.13	1590 AAC Coreopsis	100	2190	2130	2110	2070	2020	1970	1920	1870	1820	1720	1600
		0.13													
		0.13													
115	**Albeni Falls - Bonners Ferry 2**														
Str 24/9 - Str 24/10		0.12	1272 AAC Narcissus - NL	100	1910	1850	1840	1800	1760	1720	1680	1635	1590	1500	1400
Str 24/10 - Str 26/1		1.40	1272 AAC Narcissus - NL	100	1910	1850	1840	1800	1760	1720	1680	1635	1590	1500	1400
Str 26/1 - Str 26/2		0.13	1272 AAC Narcissus - NL	100	1910	1850	1840	1800	1760	1720	1680	1635	1590	1500	1400
		1.65													
Str 31/3 (31/4) - Str 32/4		1.53	1272 AAC Narcissus - NL	100	1910	1850	1840	1800	1760	1720	1680	1635	1590	1500	1400
Str 32/4 - Str 32/5 Jump/LO		0.04	1272 AAC Narcissus - NL	100	1910	1850	1840	1800	1760	1720	1680	1635	1590	1500	1400
Str 32/5 - Str 32/6(Selle)		0.05	1272 AAC Narcissus - NL	100	1910	1850	1840	1800	1760	1720	1680	1635	1590	1500	1400
		1.62													
Str 32/6 - Twr 32/7 Jumper		0.06	1272 AAC Narcissus - NL	100	1910	1850	1840	1800	1760	1720	1680	1635	1590	1500	1400
Twr 32/7 - Twr 38/2 Jumper		5.69	1272 ACSR Bittern	100	1940	1880	1870	1830	1790	1750	1700	1660	1620	1520	1420
Twr 38/2 - Samuels (NLI)		0.03	1272 ACSR Bittern	100	1940	1880	1870	1830	1790	1750	1700	1660	1620	1520	1420
		5.78													
Samuels (NLI) - Twr 38/3 Jump/LO		0.07	1272 ACSR Bittern	100	1940	1880	1870	1830	1790	1750	1700	1660	1620	1520	1420
Twr 38/3 - Twr 39/2		0.86	1272 ACSR Bittern	100	1940	1880	1870	1830	1790	1750	1700	1660	1620	1520	1420
Twr 39/2 - Twr 41/1		1.97	1272 ACSR Bittern	100	1940	1880	1870	1830	1790	1750	1700	1660	1620	1520	1420
Twr 41/1 - Twr 44/6		3.57	1272 AAC Narcissus - NL	100	1910	1850	1840	1800	1760	1720	1680	1635	1590	1500	1400
Twr 44/6 - Twr 45/2		0.56	1272 AAC Narcissus - NL	100	1910	1850	1840	1800	1760	1720	1680	1635	1590	1500	1400
Twr 45/2 - Twr 46/5		1.61	1272 ACSR Bittern	100	1940	1880	1870	1830	1790	1750	1700	1660	1620	1520	1420
Twr 46/5 - Twr 48/2		1.54	1272 ACSR Bittern	100	1940	1880	1870	1830	1790	1750	1700	1660	1620	1520	1420
Twr 48/2 - Twr 55/4		7.54	1272 ACSR Bittern	100	1940	1880	1870	1830	1790	1750	1700	1660	1620	1520	1420
Twr 55/4 - Twr 57/3 Jumper		1.49	1272 ACSR Bittern	100	1940	1880	1870	1830	1790	1750	1700	1660	1620	1520	1420
		19.21													
		28.26													
115	**Albeni Falls - Pine Street (Pend Oreille)**														
	? Line section is foreign owned, maximum operating temperature assumed.														
Albeni Falls - Twr 1/1		0.11	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
Twr 1/1 - Twr 1/2		0.12	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
Twr 1/2 - Str 1/4		0.17	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
Str 1/4 - Str 2/7		1.33	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
Str 2/7 - Str 2/8		0.26	397.5 ACSR Lark	100	950	920	910	890	870	850	830	810	790	740	690
Str 2/8 - Str 2/9		0.07	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
Str 2/9 - Newport		0.12	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
		2.18													
Newport - Pine Street (Pend)		0.16	795 ACSR Drake	100 ?	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
		0.16													
		2.34													
115	**Albeni Falls - Sand Creek 1**														
Albeni Falls - Str 1/1		0.08	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
Str 1/1 - Str 1/3		0.21	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
Str 1/3 - Str 3/7		1.85	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
Str 3/7 - Str 5/3		1.46	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
Str 5/3 - Priest River AVA Tap		0.84	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
		4.44													
Priest River AVA - Str 6/22		0.90	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
		0.90													
Priest River Crossing		0.13	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
		0.13													
Str 7/1 - Str 7/8		0.88	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
Str 7/8 - Priest River Tap		0.02	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
		0.90													
Priest River Tap - Str 7/9		0.01	266.8 ACSR Partridge	80	680	660	650	640	620	600	580	560	540	500	450
Str 7/9 - Laclede Tap		6.27	266.8 ACSR Partridge	80	680	660	650	640	620	600	580	560	540	500	450
		6.28													
Laclede Tap - Str 23/3		9.14	266.8 ACSR Partridge	90	710	690	680	660	640	630	610	595	580	540	490
Str 23/3 - Sandpoint		0.63	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
		9.77													
Sandpoint - Str 24/8		0.47	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
Str 24/8 - Str 24/9		0.10	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
Str 24/9 - Str 26/1		1.52	1272 AAC Narcissus - NL	100	1910	1850	1840	1800	1760	1720	1680	1635	1590	1500	1400
Str 26/1 - Str 26/2		0.13	1272 AAC Narcissus - NL	100	1910	1850	1840	1800	1760	1720	1680	1635	1590	1500	1400
Str 26/2 - Str 26/3		0.10	1272 AAC Narcissus - NL	100	1910	1850	1840	1800	1760	1720	1680	1635	1590	1500	1400
Str 26/3 - Str 29/5		3.20	1272 AAC Narcissus - NL	100	1910	1850	1840	1800	1760	1720	1680	1635	1590	1500	1400
Str 29/5 - Str 29/7		0.15	1272 AAC Narcissus - NL	100	1910	1850	1840	1800	1760	1720	1680	1635	1590	1500	1400
Str 29/7 - Str 30/4		0.77	1272 AAC Narcissus - NL	100	1910	1850	1840	1800	1760	1720	1680	1635	1590	1500	1400
Str 30/4 - Str 31/2		0.70	1272 AAC Narcissus - NL	100	1910	1850	1840	1800	1760	1720	1680	1635	1590	1500	1400
Str 31/2 - Sand Creek		0.09	1272 AAC Narcissus - NL	100	1910	1850	1840	1800	1760	1720	1680	1635	1590	1500	1400
		7.23													
		29.65													

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115	**Alcoa - Felida 1**														
	? Line section is foreign owned, maximum operating temperature assumed.														
	Alcoa - Twr 40/1	1.84	500 Cu 37 Str	100	1330	1290	1280	1260	1230	1200	1170	1140	1110	1050	980
	Twr 40/1 - Stockford Tie(PUD)	2.06	795 AAC Arbutus	80 ?	1330	1280	1270	1240	1200	1170	1130	1090	1050	970	880
		3.90													
	Stockford Tie - Felida(PUD)	1.56	336.4 ACSR Oriole	80 ?	800	770	760	740	720	700	680	655	630	580	530
		1.56													
		5.46													
115	**Alder Street - Tap (Chemawa - Salem Alumina (SEC) 1)**														
	? Line section is foreign owned, maximum operating temperature assumed.														
		1.00	4/0 AAAC/5005E 7 Str	100 ?	584	566	562	550	538	526	513	500	487	458	428
		1.00													
		1.00													
115	**Alderwood - Tap (Albany - Eugene 1)**														
	Alderwood - Str 10/3	0.06	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 10/3 - Str 9/15	0.37	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 9/15 - Str 9/3	0.66	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 9/3 - Str 6/18	2.21	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 6/18 - Str 6/16	0.11	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 6/16 - Str 6/11	0.27	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 6/11 - Str 6/7	0.18	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 6/7 - Str 5/17	0.38	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 5/17 - Str 5/8	0.52	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 5/8 - Str 5/6	0.11	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 5/6 - Str 4/14	0.43	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 4/14 - Str 4/11	0.20	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 4/11 - Str 3/12	0.97	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 3/12 - Str 3/9	0.20	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 3/9 - Str 3/3	0.38	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 3/3 - Str 2/19	0.27	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 2/19 - Str 2/11	0.49	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 2/11 - Cheshire	0.03	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
		7.84													
	Cheshire - Str 2/8	0.03	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 2/8 - Tap	1.40	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
		1.43													
		9.27													
115	**Allston - Astoria 1**														
	Allston - Str 1/1	0.04	1272 ACSR Pheasant	80	1830	1760	1740	1700	1650	1600	1550	1495	1440	1330	1200
	Str 1/1 - Str 1/2	0.03	1272 ACSR Pheasant	80	1830	1760	1740	1700	1650	1600	1550	1495	1440	1330	1200
	Str 1/2 - Str 1/4	0.23	1272 ACSR Pheasant	80	1830	1760	1740	1700	1650	1600	1550	1495	1440	1330	1200
	Str 1/4 - Str 2/2	0.97	1272 ACSR Pheasant	80	1830	1760	1740	1700	1650	1600	1550	1495	1440	1330	1200
	Str 2/2 - Str 2/3	0.03	1272 ACSR Pheasant	80	1830	1760	1740	1700	1650	1600	1550	1495	1440	1330	1200
	Str 2/3 - Str 4/6	1.71	253 Cu GC LS 19238	80	840	810	800	780	760	740	710	685	660	610	550
	Str 4/6 - Str 5/1	0.24	253 Cu GC LS 19238	80	840	810	800	780	760	740	710	685	660	610	550
	Str 5/1 - Delena (PUD)	0.05	397.5 ACSR Ibis	80	880	850	840	820	790	770	750	725	700	640	580
		3.30													
	Delena (PUD) - Str 5/4	0.05	397.5 ACSR Ibis	80	880	850	840	820	790	770	750	725	700	640	580
	Str 5/4 - Str 5/5	0.03	253 Cu GC LS 19238	80	840	810	800	780	760	740	710	685	660	610	550
	Str 5/5 - Clatskanie	6.58	253 Cu GC LS 19238	80	840	810	800	780	760	740	710	685	660	610	550
		6.66													
	Clatskanie - Mist (Coop)	4.80	253 Cu GC LS 19238	80	840	810	800	780	760	740	710	685	660	610	550
		4.80													
	Mist (Coop) - Str 20/1	3.34	253 Cu GC LS 19238	80	840	810	800	780	760	740	710	685	660	610	550
	Str 20/1 - Westport	0.50	253 Cu GC LS 19238	80	840	810	800	780	760	740	710	685	660	610	550
		3.84													
	Westport - Str 21/2	0.74	253 Cu GC LS 19238	80	840	810	800	780	760	740	710	685	660	610	550
	Str 21/2 - Grays River Tap	3.32	253 Cu GC LS 19238	80	840	810	800	780	760	740	710	685	660	610	550
		4.06													
	Grays River Tap - Str 33/4	8.73	253 Cu GC LS 19238	80	840	810	800	780	760	740	710	685	660	610	550
	Str 33/4 - Knappa	0.01	397.5 ACSR Ibis	80	880	850	840	820	790	770	750	725	700	640	580
		8.74													
	Knappa - Str 33/5	0.01	397.5 ACSR Ibis	80	880	850	840	820	790	770	750	725	700	640	580
	Str 33/5 - Str 39/4	6.26	253 Cu GC LS 19238	80	840	810	800	780	760	740	710	685	660	610	550
	Str 39/4 - Str 39/5	0.16	253 Cu GC LS 19238	80	840	810	800	780	760	740	710	685	660	610	550
	Str 39/5 - Str 39/6	0.15	253 Cu GC LS 19238	80	840	810	800	780	760	740	710	685	660	610	550
	Str 39/6 - Fern Hill (PP&L)	0.02	253 Cu GC LS 19238	80	840	810	800	780	760	740	710	685	660	610	550
		6.60													
	Fern Hill (PP&L) - Str 40/1	0.02	253 Cu GC LS 19238	80	840	810	800	780	760	740	710	685	660	610	550
	Str 40/1 - Str 43/3	3.46	253 Cu GC LS 19238	80	840	810	800	780	760	740	710	685	660	610	550
	Str 43/3 - Str 43/7	0.37	253 Cu GC LS 19238	80	840	810	800	780	760	740	710	685	660	610	550
	Str 43/7 - Astoria	0.13	253 Cu GC LS 19238	80	840	810	800	780	760	740	710	685	660	610	550
		3.98													
		41.98													

BONNEVILLE POWER ADMINISTRATION
TRANSMISSION LINE RATINGS

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RDH and TKL / TOP

KV	LINE LOCATION	LENGTH MILES	CONDUCTOR	Max. Oper Temp Deg. C	Allowable Amperage Ratings Ambient Air Temperature (Deg C) -30	-22	-20	-15	-10	-5	0	5	10	20	30
115	**Alvey - Drain Tap**														
	? Line section is foreign owned, maximum operating temperature assumed.														
	Alvey - Str 7/1	0.57	795 AAC Arbutus	80 ?	1330	1280	1270	1240	1200	1170	1130	1090	1050	970	880
	Str 7/1 - Str 12/2	1.23	795 AAC Arbutus	80 ?	1330	1280	1270	1240	1200	1170	1130	1090	1050	970	880
	Str 12/2 - Str 7/3	0.58	795 AAC Arbutus	80 ?	1330	1280	1270	1240	1200	1170	1130	1090	1050	970	880
	Str 7/3 - Goshen	0.01	397.5 ACSR Ibis	80 ?	880	850	840	820	790	770	750	725	700	640	580
		2.39													
	Goshen - Str 8/3	0.01	397.5 ACSR Ibis	80 ?	880	850	840	820	790	770	750	725	700	640	580
	Str 8/3 - Creswell(EPUD)	3.35	2/0 Cu 7 Str	80 ?	540	520	510	500	490	480	460	445	430	390	360
		3.36													
	Creswell(EPUD) - Str 12/8	1.87	2/0 Cu 7 Str	80 ?	540	520	510	500	490	480	460	445	430	390	360
	Str 12/8 - Str 8/13	4.93	2/0 Cu 7 Str	80 ?	540	520	510	500	490	480	460	445	430	390	360
	Str 8/13 - Str 10/14	1.03	2/0 Cu 7 Str	80 ?	540	520	510	500	490	480	460	445	430	390	360
	Str 10/14 - Village Green	2.30	2/0 Cu 7 Str	80 ?	540	520	510	500	490	480	460	445	430	390	360
		10.13													
	Village Green - Str 10/17	0.73	2/0 Cu 7 Str	80 ?	540	520	510	500	490	480	460	445	430	390	360
	Str 10/17 - Dorena Tap	1.16	2/0 Cu 7 Str	80 ?	540	520	510	500	490	480	460	445	430	390	360
		1.89													
	Dorena Tap - Drain Tap	1.84	2/0 Cu 7 Str	80 ?	540	520	510	500	490	480	460	445	430	390	360
		1.84													
		19.61													
115	**Alvey - Springfield (SUB)**														
	Alvey - Str 1/7	0.57	397.5 ACSR Ibis	80	880	850	840	820	790	770	750	725	700	640	580
	Str 1/7 - Str 1/9	0.36	397.5 ACSR Lark	100	950	920	910	890	870	850	830	810	790	740	690
	Str 1/9 - Str 2/23	1.02	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 2/23 - Str 3/1	0.25	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 3/1 - Str 3/14	0.61	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 3/14 - Str 4/1	0.37	397.5 ACSR Lark	100	950	920	910	890	870	850	830	810	790	740	690
	Str 4/1 - Str 5/4	1.10	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 5/4 - Str 5/5	0.22	556.5 ACSR Dove	100	1170	1130	1120	1100	1070	1050	1020	995	970	910	850
	Str 5/5 - Springfield (SUB)	0.10	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
		4.60													
		4.60													
115	**Alvey Capacitor Tie 1**														
		0.13	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
		0.13													
		0.13													
115	**Alvey Transformer Bay Tap**														
	Section 1	0.03	556.5 ACSR Dove	50	950	900	890	860	820	780	740	695	650	540	400
	Section 2	0.01	397.5 ACSR Ibis	50	770	730	720	690	660	630	600	560	520	440	330
		0.04													
		0.04													
115	**Anaconda - Silver Bow 1**														
	Anaconda - Str 1/2	0.05	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 1/2 - Str 1/6	0.24	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 1/6 - Str 13/4	12.24	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
	Str 13/4 - Silver Bow	0.16	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
		12.69													
		12.69													
115	**Anderson Ranch - Mountain Home**														
	Anderson Ranch - Dixie	0.01	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
		0.01													
	Dixie - Mountain Home	17.88	397.5 ACSR Ibis	80	880	850	840	820	790	770	750	725	700	640	580
		17.88													
		17.89													
115	**Angus (BPUD) - Tap (Franklin - Badger Canyon 2)**														
		1.60	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
		1.60													
		1.60													
115	**Athol (KEC) - Tap (Albeni Falls (BPA) - Rathdrum (AVA) No 1)**														
	& Amperage ratings based on Maintenance's agreement to monitor suspect compression fittings.														
		5.83	4/0 ACSR Penguin	50 &	480	460	450	430	410	390	370	350	330	270	210
		5.83													
		5.83													
115	**Badger Canyon - Reata (BPUB) 1**														
	Badger Canyon - Str 1/6	0.48	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 1/6 - Str 3/11	2.25	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 3/11 - Str 4/2	0.37	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 4/2 - Reata (BPUB)	0.15	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
		3.25													
		3.25													

BONNEVILLE POWER ADMINISTRATION
TRANSMISSION LINE RATINGS

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KV	LINE LOCATION	LENGTH MILES	CONDUCTOR	Max. Oper Temp Deg. C	Allowable Amperage Ratings Ambient Air Temperature (Deg C) -30	-22	-20	-15	-10	-5	0	5	10	20	30
115	**Badger Canyon - Richland 1**														
	Badger Canyon - Str 1/8	0.84	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
	Str 1/8 - Vista (PUD) Tap	0.13	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
		0.97													
	Vista Tap - Tapteal (PUD)	2.09	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
		2.09													
	Tapteal (PUD) - Str 6/9	2.23	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
	Str 6/9 - Richland	0.22	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
		2.45													
		5.51													
115	**Bald Mountain - Tap (Underwood - Tap Line)**														
	Bald Mountain - Ch 1	0.29	266.8 ACSR Partridge	80	680	660	650	640	620	600	580	560	540	500	450
	Str (1/4)(1/3) - Tap	0.09	266.8 ACSR Partridge	80	680	660	650	640	620	600	580	560	540	500	450
		0.38													
		0.38													
115	**Bandon - Rogue 1**														
	Bandon - Str 1/7	0.58	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
	Str 1/7 - Str 4/4	2.79	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
	Str 4/4 - Two Mile	0.02	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
		3.39													
	Two Mile - Str 4/5	0.06	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
	Str 4/5 - Langlois Tap	10.64	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
		10.70													
	Langlois Tap - Str 24/3	9.51	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
	Str 24/3 - Port Orford	0.48	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
		9.99													
	Port Orford - Str 25/4	0.53	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
	Str 25/4 - Geisel Monument Tap	20.98	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
		21.51													
	Geisel Monument Tap - Str 46/8	0.22	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
	Str 46/8 - Rogue	0.19	1272 ACSR Bittern	100	1940	1880	1870	1830	1790	1750	1700	1660	1620	1520	1420
		0.41													
		46.00													
115	**Bandon Sub Transformer Tie**														
		0.06	266.8 ACSR Partridge	50	600	570	560	540	510	490	460	435	410	340	260
		0.06													
		0.06													
115	**Bayshore - Tap (Shelton - Kitsap 2)**														
		0.81	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
		0.81													
		0.81													
115	**Belfair (MN3) - Tap (Shelton - Kitsap 2)**														
		0.03	266.8 ACSR Partridge	50	600	570	560	540	510	490	460	435	410	340	260
		0.03													
		0.03													

BONNEVILLE POWER ADMINISTRATION
TRANSMISSION LINE RATINGS

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115	**Bell - Addy 1**														
	Bell - Str 1/1	0.02	1272 AAC Narcissus	100	1910	1850	1840	1800	1760	1720	1680	1635	1590	1500	1400
	Str 1/1 - Str 1/3	0.11	1272 AAC Narcissus	100	1910	1850	1840	1800	1760	1720	1680	1635	1590	1500	1400
	Str 1/3 - Str 1/8	0.39	1272 AAC Narcissus	100	1910	1850	1840	1800	1760	1720	1680	1635	1590	1500	1400
	Str 1/8 - Str 2/9	0.65	1272 AAC Narcissus	100	1910	1850	1840	1800	1760	1720	1680	1635	1590	1500	1400
	Str 2/9 - Str 4/1	1.37	1272 AAC Narcissus	100	1910	1850	1840	1800	1760	1720	1680	1635	1590	1500	1400
	Str 4/1 - Str 4/15	0.97	1272 AAC Narcissus	100	1910	1850	1840	1800	1760	1720	1680	1635	1590	1500	1400
	Str 4/15 - Str 9/2	4.20	1272 AAC Narcissus	100	1910	1850	1840	1800	1760	1720	1680	1635	1590	1500	1400
	Str 9/2 - Str 9/4	0.13	1272 AAC Narcissus	100	1910	1850	1840	1800	1760	1720	1680	1635	1590	1500	1400
	Str 9/4 - Colbert (AVA) Tap	0.08	1272 AAC Narcissus	100	1910	1850	1840	1800	1760	1720	1680	1635	1590	1500	1400
		7.92													
	Colbert (AVA) Tap - Halfmoon (IP&L)	0.04	1272 AAC Narcissus	100	1910	1850	1840	1800	1760	1720	1680	1635	1590	1500	1400
		0.04													
	Halfmoon (IP&L) - Str 9/7	0.01	1272 AAC Narcissus	100	1910	1850	1840	1800	1760	1720	1680	1635	1590	1500	1400
	Str 9/7 - Str 9/9	0.12	1.3 in AACTW Hood	100	2120	2060	2040	2000	1950	1910	1860	1815	1770	1660	1550
	Str 9/9 - Tum Tum (IP&L)	1.62	1.3 in AACTW Hood	100	2120	2060	2040	2000	1950	1910	1860	1815	1770	1660	1550
		1.75													
	Tum Tum - Milan (AVA) Tap	5.72	1.3 in AACTW Hood	100	2120	2060	2040	2000	1950	1910	1860	1815	1770	1660	1550
		5.72													
	Milan (AVA) Tap - Str 18/6	1.76	1.3 in AACTW Hood	100	2120	2060	2040	2000	1950	1910	1860	1815	1770	1660	1550
	Str 18/6 - Deer Park	0.21	1.3 in AACTW Hood	100	2120	2060	2040	2000	1950	1910	1860	1815	1770	1660	1550
		1.97													
	Deer Park - Str 19/1	0.21	1.3 in AACTW Hood	100	2120	2060	2040	2000	1950	1910	1860	1815	1770	1660	1550
	Str 19/1 - Str 23/9	4.88	1.3 in AACTW Hood	100	2120	2060	2040	2000	1950	1910	1860	1815	1770	1660	1550
	Str 23/9 - Clayton (IP&L)	0.10	1.3 in AACTW Hood	100	2120	2060	2040	2000	1950	1910	1860	1815	1770	1660	1550
		5.19													
	Clayton (IP&L) - Str 24/3	0.12	1.3 in AACTW Hood	100	2120	2060	2040	2000	1950	1910	1860	1815	1770	1660	1550
	Str 24/3 - Loon Lake (AVA) Tap	6.15	1.3 in AACTW Hood	100	2120	2060	2040	2000	1950	1910	1860	1815	1770	1660	1550
		6.27													
	Loon Lake (AVA) Tap - Str 51/6	21.30	1.3 in AACTW Hood	100	2120	2060	2040	2000	1950	1910	1860	1815	1770	1660	1550
	Str 51/6 - Str 52/6	0.84	1.3 in AACTW Hood	100	2120	2060	2040	2000	1950	1910	1860	1815	1770	1660	1550
	Str 52/6 - Addy	0.21	1272 AAC Narcissus	100	1910	1850	1840	1800	1760	1720	1680	1635	1590	1500	1400
		22.35													
		51.21													
115	**Bell - Trentwood 1**														
	Bell - 12/10 Switch	11.19	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
		11.19													
	12/10 - Tap (IP&L)	0.04	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
		0.04													
	Tap - Trentwood	0.04	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
		0.04													
		11.27													
115	**Bell - Trentwood 2**														
	Bell - Bigelow	6.65	795 ACSR Drake	90	1420	1370	1360	1330	1290	1260	1230	1190	1150	1080	990
		6.65													
	Bigelow - Trentwood	4.65	795 ACSR Drake	80	1370	1310	1300	1270	1230	1200	1160	1120	1080	990	900
		4.65													
		11.30													
115	**Bellingham - Whatcom County PUD**														
	? Line section is foreign owned, maximum operating temperature assumed.														
		2.11	266.8 ACSR Partridge	80 ?	680	660	650	640	620	600	580	560	540	500	450
		2.11													
		2.11													
115	**Benton - Franklin 1**														
	* Copper conductor current ratings limited to maximum value by annealing under ferris clamps.														
	Benton - Str 1/2	0.31	253 Cu GC LS 19238 (Limited)	100 *	870	840	830	810	790	770	750	730	710	660	610
	Str 1/2 - Str 1/3	0.41	397.5 ACSR Ibis	80	880	850	840	820	790	770	750	725	700	640	580
	Str 1/3 - Str 2/1	0.34	253 Cu GC LS 19238	80	840	810	800	780	760	740	710	685	660	610	550
	Str 2/1 - Baxter	4.01	253 Cu GC LS 19238	80	840	810	800	780	760	740	710	685	660	610	550
		5.07													
	Baxter - Str 13/2	6.86	253 Cu GC LS 19238	80	840	810	800	780	760	740	710	685	660	610	550
	Str 13/2 - Str 20/4	7.14	253 Cu GC LS 19238	80	840	810	800	780	760	740	710	685	660	610	550
	Str 20/4 - Str 21/4	1.25	397.5 ACSR Ibis	90	910	880	870	850	830	810	790	765	740	690	640
	Str 21/4 - Franklin	0.71	397.5 ACSR Ibis	90	910	880	870	850	830	810	790	765	740	690	640
		15.96													
		21.03													

BONNEVILLE POWER ADMINISTRATION
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KV	LINE LOCATION	LENGTH MILES	CONDUCTOR	Max. Oper Temp Deg. C	Allowable Amperage Ratings Ambient Air Temperature (Deg C) -30	-22	-20	-15	-10	-5	0	5	10	20	30
115	**Benton - Franklin 2**														
	Benton - Str 2A	0.32	397.5 ACSR Ibis	80	880	850	840	820	790	770	750	725	700	640	580
	Str 2A - Str 2B	0.41	397.5 ACSR Ibis	80	880	850	840	820	790	770	750	725	700	640	580
	Str 2B - Str 2/1	0.33	397.5 ACSR Ibis	80	880	850	840	820	790	770	750	725	700	640	580
	Str 2/1 - Glade/Taylor Flat Tap	10.87	397.5 ACSR Ibis	80	880	850	840	820	790	770	750	725	700	640	580
		11.93													
	Glade/Taylor Flat Tap - Str 21/4	8.37	397.5 ACSR Ibis	80	880	850	840	820	790	770	750	725	700	640	580
	Str 21/4 - Franklin	0.73	397.5 ACSR Ibis	80	880	850	840	820	790	770	750	725	700	640	580
		9.10													
		21.03													
115	**Benton - HEW 451B 1**														
	Benton - Hanford 2 Tap	1.78	397.5 ACSR Ibis	90	910	880	870	850	830	810	790	765	740	690	640
		1.78													
	Hanford 2 Tap - Str 5/4	2.67	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 5/4 - HEW 451B	0.30	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
		2.97													
		4.75													
115	**Benton - Othello Sw Sta(AVA)**														
	? Line section is foreign owned, maximum operating temperature assumed.														
	Benton - Str 11/7	10.94	266.8 ACSR Partridge	70	660	630	620	610	590	570	550	525	500	450	400
		10.94													
	Str 11/7 - Chg.1	2.05	2/0 Cu 7 Str	70 ?	520	500	490	480	460	450	430	415	400	360	320
	Chg.1 - Chg.2	0.52	312.8 AAC/6201 Butte	70 ?	669	642	634	616	597	577	557	535	512	464	409
	Chg.2 - Chg.3	14.78	1/0 Cu 7 Str	70 ?	450	430	430	420	400	390	370	355	340	310	280
	Chg.3 - South Othello Tap	5.94	7 Str No 8 Cu	70 ?	483	463	457	444	431	416	402	386	370	336	297
		23.29													
	South Othello Tap - Othello Sw Sta	2.77	7 Str No 8 Cu	70 ?	483	463	457	444	431	416	402	386	370	336	297
		2.77													
		37.00													
115	**Benton - Scooteney 1**														
	Benton - Str 1/2	0.28	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
	Str 1/2 - Str 1/3	0.41	397.5 ACSR Lark	100	950	920	910	890	870	850	830	810	790	740	690
	Str 1/3 - Str 2/1	0.33	795 ACSR Drake	90	1420	1370	1360	1330	1290	1260	1230	1190	1150	1080	990
	Str 2/1 - Ringold	6.82	795 ACSR Drake	90	1420	1370	1360	1330	1290	1260	1230	1190	1150	1080	990
		7.84													
	Ringold - Mesa	6.38	266.8 ACSR Partridge	80	680	660	650	640	620	600	580	560	540	500	450
		6.38													
	Mesa - Connell Tap	4.53	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
		4.53													
	Connell Tap - Scooteney	1.57	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
		1.57													
		20.32													
115	**Benton - White Bluffs**														
	* Copper conductor current ratings limited to maximum value by annealing under ferris clamps.														
	Benton - Str 1/3	0.11	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
	Str 1/3 - Str 1/7	0.38	250 Cu 12 Str	100	870	850	840	820	800	790	770	750	730	680	640
	Str 1/7 - Str 6/5	4.91	250 Cu 12 Str	100	870	850	840	820	800	790	770	750	730	680	640
	Str 6/5 - DOE B3/S4	0.48	250 Cu 12 Str	100	870	850	840	820	800	790	770	750	730	680	640
		5.88													
	DOE B3/S4 - Str 1/5	0.32	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
	Str 1/5 - Str 1/7	0.15	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
	Str 1/7 - Str 1/10	0.29	250 Cu 12 Str	100	870	850	840	820	800	790	770	750	730	680	640
	Str 1/10 - Str 2/2	0.66	250 Cu 12 Str	100	870	850	840	820	800	790	770	750	730	680	640
	Str 2/2 - Str 5/3	3.10	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
	Str 5/3 - Str 5/15	0.44	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
	Str 5/15 - White Bluffs	0.09	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
		5.05													
		10.93													
115	**Bertelsen - Willow Creek (EWEB) 1**														
	? Line section is foreign owned, maximum operating temperature assumed.														
	Bertelsen - Str 1/1	0.01	795 AAC Arbutus	80 ?	1330	1280	1270	1240	1200	1170	1130	1090	1050	970	880
	Str 1/1 - Willow Creek (EWEB)	1.02	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
		1.03													
		1.03													

BONNEVILLE POWER ADMINISTRATION
TRANSMISSION LINE RATINGS

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RDH and TKL / TOP

KV	LINE LOCATION	LENGTH MILES	CONDUCTOR	Max. Oper Temp Deg. C	Allowable Amperage Ratings Ambient Air Temperature (Deg C) -30	-22	-20	-15	-10	-5	0	5	10	20	30
115	**Big Eddy - Chenoweth 1**														
	Big Eddy - Str 1/1	0.09	1272 AAC Narcissus	100	1910	1850	1840	1800	1760	1720	1680	1635	1590	1500	1400
	Str 1/1 - Str 1/2	0.08	1272 AAC Narcissus	100	1910	1850	1840	1800	1760	1720	1680	1635	1590	1500	1400
	Str 1/2 - Str 1/5	0.23	1272 AAC Narcissus	100	1910	1850	1840	1800	1760	1720	1680	1635	1590	1500	1400
	Str 1/5 - OR/WA Border	0.43	1272 ACSR Pheasant	100	1960	1900	1880	1840	1800	1760	1720	1675	1630	1530	1430
		0.83													
	OR/WA Border - Str 2/3	0.67	1272 ACSR Pheasant	100	1960	1900	1880	1840	1800	1760	1720	1675	1630	1530	1430
	Str 2/3 - Str 6/4	3.69	1272 AAC Narcissus	100	1910	1850	1840	1800	1760	1720	1680	1635	1590	1500	1400
	Str 6/4 - WA/OR Border	0.30	1272 ACSR Pheasant	100	1960	1900	1880	1840	1800	1760	1720	1675	1630	1530	1430
		4.66													
	WA/OR Border - Str 6/7	0.21	1272 ACSR Pheasant	100	1960	1900	1880	1840	1800	1760	1720	1675	1630	1530	1430
	Str 6/7 - Chenoweth	0.80	1272 AAC Narcissus	100	1910	1850	1840	1800	1760	1720	1680	1635	1590	1500	1400
		1.01													
		6.50													
115	**Big Eddy - De Moss 1**														
	Big Eddy - Str 11/6	10.57	397.5 ACSR Ibis	70	850	810	800	780	750	730	700	675	650	580	510
	Str 11/6 - Twr 12/10	0.97	397.5 ACSR Ibis	70	850	810	800	780	750	730	700	675	650	580	510
	Twr 12/10 - Twr 13/1	0.81	795 ACSR Mallard	100	1480	1430	1420	1390	1360	1330	1300	1265	1230	1160	1080
	Twr 13/1 - Str 20/9	7.29	397.5 ACSR Ibis	50	770	730	720	690	660	630	600	560	520	440	330
	Str 20/9 - Str 24/11	3.84	397.5 ACSR Ibis	50	770	730	720	690	660	630	600	560	520	440	330
	Str 24/11 - De Moss	0.50	397.5 ACSR Ibis	50	770	730	720	690	660	630	600	560	520	440	330
		23.98													
		23.98													
115	**Big Eddy 230/115 kV Transformer Bank 1 Tie 1**														
		0.17	1590 AAC Coreopsis	50	1760	1660	1640	1570	1500	1430	1350	1265	1180	970	710
		0.17													
		0.17													
115	**Bigelow - Green Bluff**														
		7.35	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
		7.35													
		7.35													
115	**Blue River - Tap (Cougar - Thurston 1)**														
		0.32	666.6 ACSR Flamingo	100	1300	1260	1250	1230	1200	1170	1140	1110	1080	1020	950
		0.32													
		0.32													
115	**Boardman - Tower Road 1**														
	Tap (Str 1/8) - Str 1/10	0.20	1272 ACSR Pheasant	80	1830	1760	1740	1700	1650	1600	1550	1495	1440	1330	1200
	Str 1/10 - Tower Road SW Station	7.94	1272 ACSR Pheasant	90	1890	1830	1810	1770	1730	1690	1640	1590	1540	1440	1320
		8.14													
		8.14													
115	**Bonners Ferry - Troy 1**														
	Bonners Ferry - Str 1/8	0.51	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
	Str 1/8 - Str 6/2 Dis Sw	4.63	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
	Str 6/2 Dis Sw - Moyie	1.09	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
		6.23													
	Moyie - Str 7/7 Dis Sw	0.42	266.8 ACSR Partridge	90	710	690	680	660	640	630	610	595	580	540	490
	Str 7/7 Dis Sw - ID/MT Border	6.78	266.8 ACSR Partridge	90	710	690	680	660	640	630	610	595	580	540	490
		7.20													
	ID/MT Border - Yaak	4.38	266.8 ACSR Partridge	90	710	690	680	660	640	630	610	595	580	540	490
		4.38													
	Yaak - Str 19/1 Dis Sw	0.25	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
	19/1 Dis Sw - ASARCO(31/3)	12.13	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
		12.38													
	ASARCO(31/3) - Troy	0.03	1272 AAC Narcissus	100	1910	1850	1840	1800	1760	1720	1680	1635	1590	1500	1400
		0.03													
		30.22													
115	**Bonneville - Alcoa 1**														
	* Copper conductor current ratings limited to maximum value by annealing under ferris clamps.														
	Twr 38/2 - Twr 40/1	1.84	500 Cu 37 Str (Limited)	80 *	1140	1090	1080	1040	1000	960	920	880	830	730	610
		1.84													
		1.84													

BONNEVILLE POWER ADMINISTRATION
TRANSMISSION LINE RATINGS

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KV	LINE LOCATION	LENGTH MILES	CONDUCTOR	Max. Oper Temp Deg. C	Allowable Amperage Ratings Ambient Air Temperature (Deg C) -30	-22	-20	-15	-10	-5	0	5	10	20	30
115	**Bonneville - Alcoa 2**														
	* Copper conductor current ratings limited to maximum value by annealing under ferris clamps.														
	Bonneville - OR/WA Border	0.41	801.9 ACSR Special HS	100	1530	1500	1470	1440	1410	1380	1340	1305	1270	1200	1120
		0.41													
	OR/WA Border - Twr 1/2	0.17	801.9 ACSR Special HS	100	1530	1500	1470	1440	1410	1380	1340	1305	1270	1200	1120
	Twr 1/2 - Twr 1/3	0.09	795 ACSR Mallard	100	1480	1430	1420	1390	1360	1330	1300	1265	1230	1160	1080
	Twr 1/3 - Underwood Tap	0.26	500 Cu 37 Str (Limited)	80 *	1140	1090	1080	1040	1000	960	920	880	830	730	610
		0.52													
	Underwood Tap - Camas (Clark PUD) Tap	20.96	500 Cu 37 Str (Limited)	80 *	1140	1090	1080	1040	1000	960	920	880	830	730	610
		20.96													
	Camas (Clark PUD) Tap - Twr 38/2	15.52	500 Cu 37 Str (Limited)	80 *	1140	1090	1080	1040	1000	960	920	880	830	730	610
	Twr 38/2 - Twr 40/1	1.84	500 Cu 37 Str (Limited)	80 *	1140	1090	1080	1040	1000	960	920	880	830	730	610
	Twr 40/1 - Alcoa	1.84	500 Cu 37 Str (Limited)	80 *	1140	1090	1080	1040	1000	960	920	880	830	730	610
		19.20													
		41.09													
115	**Bonneville - Hood River 1**														
	* Copper conductor current ratings limited to maximum value by annealing under ferris clamps.														
	Bonneville - Str 1/1	0.05	795 ACSR Mallard	100	1480	1430	1420	1390	1360	1330	1300	1265	1230	1160	1080
	Str 1/1 - Str 1/2	0.09	795 ACSR Mallard	100	1480	1430	1420	1390	1360	1330	1300	1265	1230	1160	1080
	Str 1/2 - Acton (1/3)	0.22	795 ACSR Mallard	100	1480	1430	1420	1390	1360	1330	1300	1265	1230	1160	1080
		0.36													
	Acton (1/3) - Str 1/4	0.11	795 ACSR Mallard	100	1480	1430	1420	1390	1360	1330	1300	1265	1230	1160	1080
	Str 1/4 - Str 1/5	0.09	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 1/5 - Str 2/4	0.72	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 2/4 - Str 2/5	0.51	397.5 ACSR Lark	100	950	920	910	890	870	850	830	810	790	740	690
	Str 2/5 - Str 4/4	1.69	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 4/4 - Str 7/1	2.47	250 Cu PH D 1319 HSC (Limited)	100	870	840	830	810	790	770	750	730	710	660	610
	Str 7/1 - Cascade Locks Tap	0.01	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
		5.60													
	Cascade Locks Tap - Str 7/2	0.02	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 7/2 - Str 12/5	5.28	250 Cu PH D 1319 HSC (Limited)	100	870	840	830	810	790	770	750	730	710	660	610
	Str 12/5 - Str 19/10	7.46	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 19/10 - Str 23/9	3.37	250 Cu PH D 1319 HSC	100 *	890	870	860	840	820	810	790	765	740	700	650
	Str 23/9 - Hood River	0.51	250 Cu PH D 1319 HSC	100 *	890	870	860	840	820	810	790	765	740	700	650
		16.64													
		22.60													
115	**Bonneville - North Camas 1**														
	Bonneville - OR/WA Border	0.42	801.9 ACSR Special HS	100	1530	1500	1470	1440	1410	1380	1340	1305	1270	1200	1120
		0.42													
	OR/WA Border - Twr 1/2	0.17	801.9 ACSR Special HS	100	1530	1500	1470	1440	1410	1380	1340	1305	1270	1200	1120
	Twr 1/2 - Twr 1/3	0.09	795 ACSR Mallard	90	1430	1380	1370	1340	1310	1280	1240	1200	1160	1080	1000
	Twr 1/3 - Underwood Tap	0.22	500 Cu 37 Str	100	1330	1290	1280	1260	1230	1200	1170	1140	1110	1050	980
		0.48													
	Underwood Tap - Cape Horn	11.54	500 Cu 37 Str	90	1290	1250	1240	1210	1180	1150	1120	1085	1050	980	900
		11.54													
	Cape Horn - Evans	7.72	500 Cu 37 Str	100	1330	1290	1280	1260	1230	1200	1170	1140	1110	1050	980
		7.72													
	Evans - North Camas	1.81	500 Cu 37 Str	100	1330	1290	1280	1260	1230	1200	1170	1140	1110	1050	980
		1.81													
		21.97													
115	**Box Canyon - Tap (Colville - Boundary 1)**														
		2.39	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
		2.39													
		2.39													
115	**Box Canyon(PUD) - USK(PUD) 1**														
	Box Canyon - Cusick	35.86	795 ACSR Drake	80	1370	1310	1300	1270	1230	1200	1160	1120	1080	990	900
		35.86													
	Cusick - USK	4.46	795 ACSR Drake	80	1370	1310	1300	1270	1230	1200	1160	1120	1080	990	900
		4.46													
		40.32													

BONNEVILLE POWER ADMINISTRATION
TRANSMISSION LINE RATINGS

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KV	LINE LOCATION	LENGTH MILES	CONDUCTOR	Max. Oper Temp Deg. C	Allowable Amperage Ratings Ambient Air Temperature (Deg C) -30	-22	-20	-15	-10	-5	0	5	10	20	30
115	**Boyer(PP&L) - Tillamook 1**														
	Boyer - Hebo Tap (14/3)	12.94	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
		12.94													
	Hebo Tap (14/3) - Beaver	4.53	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
		4.53													
	Beaver - Trask River Tap (30/1)	10.44	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
		10.44													
	Trask River Tap (30/1) - Str 31/14	1.93	4/0 ACSR Penguin	100	590	570	570	560	540	530	520	505	490	460	430
	Str 31/14 - Str 33/5	1.27	4/0 ACSR Penguin	100	590	570	570	560	540	530	520	505	490	460	430
	Str 33/5 - Str 33/12	0.30	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
	Str 33/12 - Str 33/17	0.25	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
	Str 33/17 - Str 33/20	0.09	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
	Str 33/20 - Str 33/23	0.12	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
	Str 33/23 - Tillamook	0.05	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
		4.01													
		31.92													
115	**Bremerton - U S Navy Station H**														
	+ Line section leased by BPA, 50 degrees celsius assumed as maximum operating temperature unless otherwise noted.														
	Bremerton - Station G	0.57	1272 AAC Narcissus	100 +	1910	1850	1840	1800	1760	1720	1680	1635	1590	1500	1400
	Station G - U S Navy Station H	1.07	1272 AAC Narcissus	100 +	1910	1850	1840	1800	1760	1720	1680	1635	1590	1500	1400
		1.64													
		1.64													
115	**Bronx(AVA) - Tap (Albeni Falls - Bonners Ferry 1)**														
		0.19	2/0 Cu 7 Str	100	580	560	550	540	530	520	500	490	480	450	420
		0.19													
		0.19													
115	**Burbank - Tap (Franklin - Walla Walla)**														
		0.02	4/0 Cu 7 Str	50	640	600	590	570	550	520	490	460	430	370	280
		0.02													
		0.02													
115	**Cardwell - Cowlitz 1**														
	Cardwell - Str 6/8	5.15	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
	Str 6/8 - Str 6/9	0.19	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
	Str 6/9 - Str 8/4	1.28	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
	Str 8/4 - Str 8/21	0.62	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
	Str 8/21 - Cowlitz	0.46	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
		7.70													
		7.70													
115	**Carlton - McMinnville 1**														
	Carlton - Twr 1/2	0.12	556.5 ACSR Dove	80	1090	1050	1040	1010	980	960	930	895	860	790	720
	Twr 1/2 - Windishar	3.75	556.5 ACSR Dove	80	1090	1050	1040	1010	980	960	930	895	860	790	720
		3.87													
	Windishar - Twr 6/4	1.43	556.5 ACSR Dove	80	1090	1050	1040	1010	980	960	930	895	860	790	720
	Twr 6/4 - McMinnville	0.05	556.5 ACSR Dove	80	1090	1050	1040	1010	980	960	930	895	860	790	720
		1.48													
		5.35													
115	**Carlton - Tap (Forest Grove - McMinnville 1)**														
		0.03	266.8 ACSR Partridge	90	710	690	680	660	640	630	610	595	580	540	490
		0.03													
		0.03													
115	**Carmen Smith - Tap (Cougar - Thurston)**														
	? Line section is foreign owned, maximum operating temperature assumed.														
	Section 1	17.00	666.6 ACSR Flamingo	70 ?	1170	1120	1110	1080	1040	1010	970	930	890	810	710
	Section 2	1.00	666.6 ACSR Flamingo	70 ?	1170	1120	1110	1080	1040	1010	970	930	890	810	710
		18.00													
		18.00													
115	**Carson - Tap (Underwood Tap Line)**														
		1.24	397.5 ACSR Lark	50	780	730	720	690	660	630	600	565	530	440	330
		1.24													
		1.24													
115	**Cascade Locks - Tap (Bonneville - Hood River 1)**														
		0.07	397.5 ACSR Ibis	50	770	730	720	690	660	630	600	560	520	440	330
		0.07													
		0.07													
115	**Cedarville JCT - Tap (Alturas - Cogswell Junction PP&L Line)**														
		0.03	795 ACSR Drake	80	1370	1310	1300	1270	1230	1200	1160	1120	1080	990	900
		0.03													
		0.03													

BONNEVILLE POWER ADMINISTRATION
TRANSMISSION LINE RATINGS

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KV	LINE LOCATION	LENGTH MILES	CONDUCTOR	Max. Oper Temp Deg. C	Allowable Amperage Ratings Ambient Air Temperature (Deg C) -30	-22	-20	-15	-10	-5	0	5	10	20	30
115	**Chandler - Tap (Grandview - Richland 1)**														
		2.87	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
		2.87													
		2.87													
115	**Chehalis - Raymond 1**														
	Chehalis - 230 kV DE	0.07	250 Cu PH D 1319 HSC	70	810	770	760	740	720	700	670	645	620	560	490
	230 kV DE - Str 1/2	0.06	250 Cu PH D 1319 HSC	70	810	770	760	740	720	700	670	645	620	560	490
	Str 1/2 - Str 1/12	0.83	250 Cu PH D 1319 HSC	70	810	770	760	740	720	700	670	645	620	560	490
	Str 1/12 - Pe Ell (LEW)	18.70	250 Cu PH D 1319 HSC	70	810	770	760	740	720	700	670	645	620	560	490
		19.66													
	Pe Ell (LEW) - Holcomb Tap	13.64	250 Cu PH D 1319 HSC	60	770	740	730	710	680	650	620	590	560	490	420
		13.64													
	Holcomb Tap - Str 43/9	9.96	250 Cu PH D 1319 HSC	50	730	690	680	660	630	600	570	535	500	420	320
	Str 43/9 - Str 43/10	0.11	250 Cu PH D 1319 HSC	50	730	690	680	660	630	600	570	535	500	420	320
	Str 43/10 - Str 44/1	0.10	397.5 ACSR Ibis	50	770	730	720	690	660	630	600	560	520	440	330
	Str 44/1 - Str 44/6	0.31	397.5 ACSR Ibis	50	770	730	720	690	660	630	600	560	520	440	330
	Str 44/6 - Str 44/9	0.13	397.5 ACSR Ibis	50	770	730	720	690	660	630	600	560	520	440	330
	Str 44/9 - Str 44/10	0.11	250 Cu PH D 1319 HSC	50	730	690	680	660	630	600	570	535	500	420	320
	Str 44/10 - Str 45/7	1.05	250 Cu PH D 1319 HSC	50	730	690	680	660	630	600	570	535	500	420	320
	Str 45/7 - Raymond	0.51	250 Cu PH D 1319 HSC	50	730	690	680	660	630	600	570	535	500	420	320
		12.28													
		45.58													
115	**Chemawa - Salem 2**														
	Chemawa - Twr 1/3	0.15	2000 AAC Cowslip	80	2330	2240	2220	2160	2100	2040	1970	1905	1840	1690	1520
	Twr 1/3 - Twr 2/1	0.79	2000 AAC Cowslip	80	2330	2240	2220	2160	2100	2040	1970	1905	1840	1690	1520
	Twr 2/1 - Twr 2/7	0.88	2000 AAC Cowslip	80	2330	2240	2220	2160	2100	2040	1970	1905	1840	1690	1520
	Twr 2/7 - Hughes (SEC)	6.70	2000 AAC Cowslip	80	2330	2240	2220	2160	2100	2040	1970	1905	1840	1690	1520
		8.52													
	Hughes (SEC) - Twr 11/2	1.52	2000 AAC Cowslip	80	2330	2240	2220	2160	2100	2040	1970	1905	1840	1690	1520
	Twr 11/2 - Salem	0.37	2000 AAC Cowslip	80	2330	2240	2220	2160	2100	2040	1970	1905	1840	1690	1520
		1.89													
		10.41													
115	**Chemawa - Salem Alumina (SEC) 1**														
	* Copper conductor current ratings limited to maximum value by annealing under ferris clamps.														
	Chemawa - Str 1/1	0.04	1272 AAC Narcissus	100	1910	1850	1840	1800	1760	1720	1680	1635	1590	1500	1400
	Str 1/1 - Str 1/3	0.10	1272 AAC Narcissus	100	1910	1850	1840	1800	1760	1720	1680	1635	1590	1500	1400
	Str 1/3 - Str 2/4	1.07	250 Cu 19 Str	100	860	840	830	810	790	770	750	730	710	670	630
	Str 2/4 - Str 2/5	0.05	350 Cu 19 Str	100	1070	1030	1020	1000	980	960	940	915	890	830	780
	Str 2/5 - Str 3/1	0.78	350 Cu 19 Str	100	1070	1030	1020	1000	980	960	940	915	890	830	780
	Str 3/1 - Read Tap (3/12)	0.56	350 Cu 19 Str	100	1070	1030	1020	1000	980	960	940	915	890	830	780
		2.60													
	Read Tap (3/12) - Str 3/13	0.08	350 Cu 19 Str	100	1070	1030	1020	1000	980	960	940	915	890	830	780
	Str 3/13 - Str 3/19 Switch	0.34	350 Cu 19 Str	100	1070	1030	1020	1000	980	960	940	915	890	830	780
	Str 3/19 - University (PGE) Tap	0.11	350 Cu 19 Str	100	1070	1030	1020	1000	980	960	940	915	890	830	780
		0.53													
	University (PGE) Tap - Str 3/24	0.11	350 Cu 19 Str	100	1070	1030	1020	1000	980	960	940	915	890	830	780
	Str 3/24 - Str 3/25	0.03	556.5 ACSR Dove	100	1170	1130	1120	1100	1070	1050	1020	995	970	910	850
	Str 3/25 - Salem Alumina (SEC)	0.03	556.5 ACSR Dove	100	1170	1130	1120	1100	1070	1050	1020	995	970	910	850
		0.17													
		3.30													
115	**Cheney - Tap (Silver Lake - Sunset AVA Line)**														
	Cheney - Str 3/8	1.68	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
	Str 3/8 - Str 3/7	0.22	397.5 ACSR Lark	100	950	920	910	890	870	850	830	810	790	740	690
	Str 3/7 - Four Lakes	2.42	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
		4.32													
	Four Lakes - Str 3/4	2.51	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
	Str 3/4 - Tap	2.20	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
		4.71													
		9.03													
115	**Chenoweth - Goldendale 1**														
	& Amperage ratings based on Maintenance's agreement to monitor suspect compression fittings.														
	Chenoweth - Str 1/8	0.65	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 1/8 - Str 1/10	0.19	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 1/10 - OR/WA Border	0.23	397.5 ACSR Lark	100	950	920	910	890	870	850	830	810	790	740	690
		1.07													
	OR/WA Border - Str 2/2	0.29	397.5 ACSR Lark	100	950	920	910	890	870	850	830	810	790	740	690
	Str 2/2 - Spearfish (KLI) Tap	2.48	4/0 ACSR Penguin	50 &	480	460	450	430	410	390	370	350	330	270	210
		2.77													
	Spearfish (KLI) Tap - Str 24/3	19.66	4/0 ACSR Penguin	50 &	480	460	450	430	410	390	370	350	330	270	210
	Str 24/3 - John Day Tap	0.51	4/0 ACSR Penguin	50 &	480	460	450	430	410	390	370	350	330	270	210
		20.17													
	John Day TP - Goldendale	0.07	4/0 ACSR Penguin	50 &	480	460	450	430	410	390	370	350	330	270	210
		0.07													
		24.08													

BONNEVILLE POWER ADMINISTRATION
TRANSMISSION LINE RATINGS

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RDH and TKL / TOP

KV	LINE LOCATION	LENGTH MILES	CONDUCTOR	Max. Oper Temp Deg. C	Allowable Amperage Ratings Ambient Air Temperature (Deg C) -30	-22	-20	-15	-10	-5	0	5	10	20	30
115	**Chenoweth - Harvey 1**														
		1.15	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
		1.15													
		1.15													
115	**Chenoweth - Harvey 2**														
		1.15	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
		1.15													
		1.15													
115	**Chenoweth 230/115 - Chenoweth**														
		0.02	1272 AAC Narcissus	100	1910	1850	1840	1800	1760	1720	1680	1635	1590	1500	1400
		0.02													
		0.02													
115	**Columbia - Moxee 1**														
	* Copper conductor current ratings limited to maximum value by annealing under ferris clamps.														
Columbia - Str 1/2		0.13	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
Str 1/2 - Twr 1/4		0.10	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
Twr 1/4 - Twr 3/2		2.32	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
Twr 3/2 - Twr 21/3		17.95	795 ACSR Mallard	100	1480	1430	1420	1390	1360	1330	1300	1265	1230	1160	1080
Twr 21/3 - Twr 22/1		0.92	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
Twr 22/1 - Twr24/3		1.87	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
Twr 24/3 - Jenkins (Kittatas PUD)		0.38	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
		23.67													
Jenkins (Kittatas PUD) - Schultz East		1.65	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
		1.65													
Schultz East - Schultz West		0.04	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
		0.04													
Schultz West - Str 27/2		0.85	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
Str 27/2 - East Ellensburg (COE) Tap		7.72	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
		8.57													
East Ellensburg (COE) Tap - Str 35/1		0.06	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
Str 35/1 - Ellensburg		1.03	250 Cu 19 Str	100	860	840	830	810	790	770	750	730	710	670	630
		1.09													
Ellensburg - Str 60/1		23.31	250 Cu PH D 1319 HSC	70	810	770	760	740	720	700	670	645	620	560	490
Str 60/1 - Str 66/10		1.56	250 Cu Anac 902R1	70	810	780	770	750	720	700	670	645	620	560	490
Str 66/10 - Moxee		5.92	250 Cu PH D 1319 HSC	70	810	770	760	740	720	700	670	645	620	560	490
		30.79													
		65.81													
115	**Columbia - Valhalla 1**														
		5.26	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
		5.26													
		5.26													
115	**Columbia - Valhalla 2**														
		5.21	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
		5.21													
		5.21													
115	**Columbia Falls - Kalispell 1**														
Columbia Falls - Str 1/2		0.08	4/0 ACSR Penguin	100	590	570	570	560	540	530	520	505	490	460	430
Str 1/2 - Str 1/6		0.48	4/0 ACSR Penguin	100	590	570	570	560	540	530	520	505	490	460	430
Str 1/6 - Str 11/4		9.68	4/0 ACSR Penguin	100	590	570	570	560	540	530	520	505	490	460	430
Str 11/4 - Kalispell		0.56	4/0 ACSR Penguin	100	590	570	570	560	540	530	520	505	490	460	430
		10.80													
		10.80													
115	**Columbia Falls - Trego 1**														
Columbia Falls - Str 1/2		0.07	266.8 ACSR Partridge	70	660	630	620	610	590	570	550	525	500	450	400
Str 1/2 - Str 1/3		0.15	266.8 ACSR Partridge	70	660	630	620	610	590	570	550	525	500	450	400
Str 1/3 - Str 1/5		0.18	266.8 ACSR Partridge	70	660	630	620	610	590	570	550	525	500	450	400
Str 1/5 - Str 1/7		0.18	266.8 ACSR Partridge	70	660	630	620	610	590	570	550	525	500	450	400
Str 1/7 - Stillwater		17.99	266.8 ACSR Partridge	70	660	630	620	610	590	570	550	525	500	450	400
		18.57													
Stillwater - Trego		27.38	266.8 ACSR Partridge	70	660	630	620	610	590	570	550	525	500	450	400
		27.38													
		45.95													
115	**Columbia Falls 230/115 kV Tie**														
Columbia Falls 230 DE - CH 1		0.02	1.3 in AACTW Hood	80	1970	1900	1880	1830	1780	1730	1680	1620	1560	1430	1290
CH 1 - CH 2		0.11	1.3 in AACTW Hood	80	1970	1900	1880	1830	1780	1730	1680	1620	1560	1430	1290
CH 2 - Columbia Falls 115 DE		0.04	1.3 in AACTW Hood	80	1970	1900	1880	1830	1780	1730	1680	1620	1560	1430	1290
		0.17													
		0.17													

BONNEVILLE POWER ADMINISTRATION
TRANSMISSION LINE RATINGS

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KV	LINE LOCATION	LENGTH MILES	CONDUCTOR	Max. Oper Temp Deg. C	Allowable Amperage Ratings Ambient Air Temperature (Deg C) -30	-22	-20	-15	-10	-5	0	5	10	20	30
115	**Colville - Boundary 1**														
	+ Line section leased by BPA, 50 degrees celsius assumed as maximum operating temperature unless otherwise noted.														
	Colville - Str 1/4	0.29	1.3 in AACTW Hood	100	2120	2060	2040	2000	1950	1910	1860	1815	1770	1660	1550
	Str 1/4 - Str 18/2	17.03	1.3 in AACTW Hood	50	1710	1610	1590	1530	1460	1390	1310	1230	1150	950	690
	Str 18/2 - Spirit (AVA) Tap	0.10	1.3 in AACTW Hood	100	2120	2060	2040	2000	1950	1910	1860	1815	1770	1660	1550
		17.42													
	Spirit (AVA) Tap - Str 18/6	0.11	1.3 in AACTW Hood	100	2120	2060	2040	2000	1950	1910	1860	1815	1770	1660	1550
	Str 18/6 - Str 18/8	0.28	1.3 in AACTW Hood	100	2120	2060	2040	2000	1950	1910	1860	1815	1770	1660	1550
	Str 18/8 - Str 22/3	3.85	1.6 in AACTW Jefferson	100	2690	2610	2590	2540	2480	2430	2370	2305	2240	2110	1970
	Str 22/3 - Str 26/1	3.58	1780 ACSR Chukar	100	2390	2320	2300	2250	2200	2150	2100	2045	1990	1870	1750
	Str 26/1 - Str 30/1	4.04	1780 ACSR Chukar	100	2390	2320	2300	2250	2200	2150	2100	2045	1990	1870	1750
	Str 30/1 - Box Canyon Tap	0.11	1.3 in AACTW Hood	100	2120	2060	2040	2000	1950	1910	1860	1815	1770	1660	1550
		11.97													
	Box Canyon Tap - Str 30/6	0.24	1.3 in AACTW Hood	100	2120	2060	2040	2000	1950	1910	1860	1815	1770	1660	1550
	Str 30/6 - Str 30/7	0.10	1.3 in AACTW Hood	100	2120	2060	2040	2000	1950	1910	1860	1815	1770	1660	1550
	Str 30/7 - Str 34/4	4.31	1780 ACSR Chukar	100	2390	2320	2300	2250	2200	2150	2100	2045	1990	1870	1750
	Str 34/4 - Str 34/5	0.09	1.3 in AACTW Hood	100	2120	2060	2040	2000	1950	1910	1860	1815	1770	1660	1550
	Str 34/5 - Metaline Falls (POPD) Tap	0.01	1.3 in AACTW Hood	100	2120	2060	2040	2000	1950	1910	1860	1815	1770	1660	1550
		4.75													
	Metaline Falls (POPD) Tap - Str 41/6	8.29	795 ACSR Drake	50 +	1190	1130	1110	1070	1020	970	920	860	800	670	490
	Str 41/6 - Boundary	0.60	795 ACSR Drake	50 +	1190	1130	1110	1070	1020	970	920	860	800	670	490
		8.89													
		43.03													
115	**Colville - Republic 1**														
	Colville - Str 1/3	0.23	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
	Str 1/3 - Kettle Falls Tap	13.07	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
		13.30													
	Kettle Falls(AVA) - Str 14/7	0.42	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
	Str 14/7 - Str 14/8	0.49	262.96 ACSR Spec	100	620	600	600	590	570	560	540	525	510	480	450
	Str 14/8 - Cooke Mountain Tap	26.55	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
		27.46													
	Cooke Mountain Tap - Str 44/6	3.18	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
	Str 44/6 - Republic	0.53	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
		3.71													
		44.47													
115	**Connell - Tap (Benton - Scooteney 1)**														
	Connell - Hatton Tap	3.00	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
		3.00													
	HattonTap - Tap	4.67	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
		4.67													
		7.67													
115	**Cooke Mountain - Tap (Colville - Republic 1)**														
	? Line section is foreign owned, maximum operating temperature assumed.														
		1.50	336.4 ACSR Linnet	80 ?	790	770	760	740	710	690	670	650	630	580	520
		1.50													
		1.50													
115	**Cosmopolis - Aberdeen 1**														
	? Line section is foreign owned, maximum operating temperature assumed.														
	Cosmopolis - Twr 5	0.17	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Twr 5 - Twr 1	0.80	4/0 Cu 7 Str	80 ?	720	700	690	670	650	640	620	595	570	530	480
	Twr 1 - Str 3/3	1.45	4/0 Cu 7 Str	80 ?	720	700	690	670	650	640	620	595	570	530	480
	Str 3/3 - Str 4/5	1.40	4/0 Cu 7 Str	80 ?	720	700	690	670	650	640	620	595	570	530	480
	Str 4/5 - Wey Pulp Tap (5/3)	0.28	4/0 Cu 7 Str	80 ?	720	700	690	670	650	640	620	595	570	530	480
		4.10													
	Wey Pulp Tap (5/3) - Aberdeen	2.69	4/0 Cu 7 Str	80 ?	720	700	690	670	650	640	620	595	570	530	480
		2.69													
		6.79													
115	**Cottage Grove(Drain Tap) - Drain 1**														
	& Amperage ratings based on Maintenance's agreement to monitor suspect compression fittings.														
	Cottage Grove - Latham Tap	1.87	.951 in ACSRTW Toutle	100	1400	1360	1350	1320	1290	1260	1230	1200	1170	1100	1020
		1.87													
	Latham Tap - Martin Creek	1.02	.951 in ACSRTW Toutle	100	1400	1360	1350	1320	1290	1260	1230	1200	1170	1100	1020
		1.02													
	Martin Creek - Drain	12.47	4/0 ACSR Penguin	100 &	590	570	570	560	540	530	520	505	490	460	430
		12.47													
		15.36													

BONNEVILLE POWER ADMINISTRATION
TRANSMISSION LINE RATINGS

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KV	LINE LOCATION	LENGTH MILES	CONDUCTOR	Max. Oper Temp Deg. C	Allowable Amperage Ratings Ambient Air Temperature (Deg C) -30	-22	-20	-15	-10	-5	0	5	10	20	30
115	**Cougar - Thurston(EWEB) 1**														
	? Line section is foreign owned, maximum operating temperature assumed.														
	Cougar - Carmen Smith Tap	2.12	666.6 ACSR Flamingo	70	1170	1120	1110	1080	1040	1010	970	930	890	810	710
		2.12													
	Carmen Smith Tap - Blue River Tap	3.63	666.6 ACSR Flamingo	70	1170	1120	1110	1080	1040	1010	970	930	890	810	710
		3.63													
	Blue River Tap - Twr 9/5	3.51	666.6 ACSR Flamingo	70	1170	1120	1110	1080	1040	1010	970	930	890	810	710
	Twr 9/5 - Twr 28/2	18.24	666.6 ACSR Flamingo	70	1170	1120	1110	1080	1040	1010	970	930	890	810	710
	Twr 28/2 - Twr 39/5	11.63	666.6 ACSR Flamingo	70	1170	1120	1110	1080	1040	1010	970	930	890	810	710
	Twr 39/5 - Str 40/2	0.02	795 AAC Arbutus	70 ?	1280	1220	1210	1180	1140	1100	1060	1020	980	880	770
	Str 40/2 - Twr 40/3	0.11	795 ACSR Drake	70 ?	1310	1250	1240	1210	1170	1130	1090	1045	1000	900	790
	Twr 40/3 - Twr 40/9	0.63	795 ACSR Drake	70 ?	1310	1250	1240	1210	1170	1130	1090	1045	1000	900	790
	Twr 40/9 - Str 40/10	0.07	795 ACSR Drake	70 ?	1310	1250	1240	1210	1170	1130	1090	1045	1000	900	790
	Str 40/10 - Thurston	0.03	795 AAC Arbutus	70 ?	1280	1220	1210	1180	1140	1100	1060	1020	980	880	770
		34.24													
		39.99													
115	**Davis Creek - Tap (Alturas - Cogswell Junction PP&L)**														
	Davis Creek - Pole 11	0.08	266.8 ACSR Partridge	50	600	570	560	540	510	490	460	435	410	340	260
	Pole 11 - Pole 2	0.36	266.8 ACSR Partridge	50	600	570	560	540	510	490	460	435	410	340	260
	Pole 2 - Tap (15/35)	0.04	266.8 ACSR Partridge	50	600	570	560	540	510	490	460	435	410	340	260
		0.48													
		0.48													
115	**Dayton - Tap (Olympia - Shelton 1)**														
		8.70	795 AAC Arbutus	90	1380	1330	1320	1290	1260	1230	1190	1155	1120	1050	960
		8.70													
		8.70													
115	**Dexter - Tap (Alvey - Lookout Point 1)**														
		0.76	556.5 ACSR Dove	100	1170	1130	1120	1100	1070	1050	1020	995	970	910	850
		0.76													
		0.76													
115	**Dorena - Tap (Alvey - Drain 1)**														
		4.67	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
		4.67													
		4.67													
115	**Drummond - Macks Inn 1**														
	? Line section is foreign owned, maximum operating temperature assumed.														
	Drummond - Green Timber Tap	6.50	266.8 ACSR Partridge	80 ?	680	660	650	640	620	600	580	560	540	500	450
		6.50													
	Green Timber Tap - Str 13/10 SW	6.47	266.8 ACSR Partridge	80	680	660	650	640	620	600	580	560	540	500	450
	Str 13/10 SW - Str 31/8 SW	17.85	266.8 ACSR Partridge	80	680	660	650	640	620	600	580	560	540	500	450
	Str 31/8 SW - Macks Inn	6.94	266.8 ACSR Partridge	80	680	660	650	640	620	600	580	560	540	500	450
		31.26													
		37.76													
115	**Dworshak PH - Orofino(AVA) 1**														
	? Line section is foreign owned, maximum operating temperature assumed.														
	Dworshak PH - Ahsahka Tap (BPA)	0.83	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
		0.83													
	Ahsahka Tap - CH 1 (AVA)	0.01	556.5 ACSR Parakeet	80 ?	1090	1050	1040	1010	980	950	920	890	860	790	710
	CH 1 - CH 2 (AVA)	0.37	556.5 ACSR Dove	80 ?	1090	1050	1040	1010	980	960	930	895	860	790	720
	CH 2 - CH 3 (AVA)	0.28	556.5 ACSR Dove	80 ?	1090	1050	1040	1010	980	960	930	895	860	790	720
	CH 3 - CH 4 (AVA)	1.58	556.5 ACSR Parakeet	80 ?	1090	1050	1040	1010	980	950	920	890	860	790	710
	CH 4 - Orofino (AVA)	1.38	556.5 ACSR Parakeet	80 ?	1090	1050	1040	1010	980	950	920	890	860	790	710
		3.62													
		4.45													
115	**East Ellensburg (COE) - Tap (Columbia - Moxee 1)**														
	East Ellensburg (COE) - Str 3/15	0.50	4/0 ACSR/AW Penguin	100	590	570		560	540	530				460	430
	Str 3/15 - Tap	2.70	4/0 ACSR/AW Penguin	100	590	570		560	540	530				460	430
		3.20													
		3.20													
115	**East Omak - Omak 1**														
		0.72	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
		0.72													
		0.72													

BONNEVILLE POWER ADMINISTRATION
TRANSMISSION LINE RATINGS

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KV	LINE LOCATION	LENGTH MILES	CONDUCTOR	Max. Oper Temp Deg. C	Allowable Amperage Ratings Ambient Air Temperature (Deg C) -30	-22	-20	-15	-10	-5	0	5	10	20	30
115	**East Omak - Oroville 1**														
	East Omak - Twr 2/3	1.12	795 ACSR Drake NL	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
	Twr 2/3 - Twr 7/1	4.67	795 ACSR Drake NL	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
	Twr 7/1 - Twr 7/3	0.45	795 ACSR Drake NL	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
	Twr 7/3 - Twr 20/3	12.97	795 ACSR Drake NL	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
	Twr 20/3 - Twr 21/2	0.63	795 ACSR Drake NL	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
	Twr 21/2 - Twr 21/8	0.37	795 ACSR Drake NL	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
	Twr 21/8 - Twr 21/9	0.05	795 ACSR Drake NL	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
	Twr 21/9 - Tonasket (PUD) Tap	0.03	795 ACSR Drake NL	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
		20.29													
	Tonasket (PUD) Tap - Twr 22/4	0.15	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
	Str 22/4 - Str 22/5	0.28	397.5 ACSR Lark	100	950	920	910	890	870	850	830	810	790	740	690
	Str 22/5 - Str 29/4	7.31	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
	Str 29/4 - Whitestone (PUD)	0.32	4/0 ACSR Penguin	100	590	570	570	560	540	530	520	505	490	460	430
		8.06													
	Whitestone - Ellisford Tap	2.50	4/0 ACSR Penguin	100	590	570	570	560	540	530	520	505	490	460	430
		2.50													
	Ellisford Tap - Oroville	8.16	4/0 ACSR Penguin	100	590	570	570	560	540	530	520	505	490	460	430
		8.16													
		39.01													
115	**East Omak - Tap (Grand Coulee - Foster Creek (NVEC)) 1**														
	East Omak 230 - East Omak 115	0.05	1272 ACSR Bittern	100	1940	1880	1870	1830	1790	1750	1700	1660	1620	1520	1420
		0.05													
	East Omak 115 - Str 32/3	2.78	1272 ACSR Bittern	100	1940	1880	1870	1830	1790	1750	1700	1660	1620	1520	1420
	Str 32/3 - Str 22/2	10.27	1272 ACSR Bittern	100	1940	1880	1870	1830	1790	1750	1700	1660	1620	1520	1420
	Str 22/2 - Str 21/4	0.70	1272 ACSR Bittern	100	1940	1880	1870	1830	1790	1750	1700	1660	1620	1520	1420
	Str 21/4 - Str 20/2	1.26	1272 ACSR Bittern	100	1940	1880	1870	1830	1790	1750	1700	1660	1620	1520	1420
	Str 20/2 - Str 19/3	0.84	1272 ACSR Bittern	100	1940	1880	1870	1830	1790	1750	1700	1660	1620	1520	1420
	Str 19/3 - Str 5/2	14.14	1272 ACSR Bittern	100	1940	1880	1870	1830	1790	1750	1700	1660	1620	1520	1420
	Str 5/2 - Str 4/2	1.19	1272 ACSR Bittern	100	1940	1880	1870	1830	1790	1750	1700	1660	1620	1520	1420
	Str 4/2 - Str 3/3	0.52	1272 ACSR Bittern	100	1940	1880	1870	1830	1790	1750	1700	1660	1620	1520	1420
	Str 3/3 - Str 2/3	1.27	1272 ACSR Bittern	100	1940	1880	1870	1830	1790	1750	1700	1660	1620	1520	1420
	Str 2/3 - Str 1/2	0.54	1272 ACSR Bittern	100	1940	1880	1870	1830	1790	1750	1700	1660	1620	1520	1420
	Str 1/2 - Tap (G Coulee - Foster Creek (NV	0.22	4/0 ACSR Penguin	100	590	570	570	560	540	530	520	505	490	460	430
		33.73													
		33.78													
115	**East Omak - Tonasket 2**														
	East Omak - Twr 2/3	1.12	795 ACSR Drake NL	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
	Twr 2/3 - Twr 7/1	4.67	795 ACSR Drake NL	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
	Twr 7/1 - Twr 7/3	0.45	795 ACSR Drake NL	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
	Twr 7/3 - Twr 20/3	12.97	795 ACSR Drake NL	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
	Twr 20/3 - Twr 21/2	0.63	795 ACSR Drake NL	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
	Twr 21/2 - Twr 21/8	0.37	795 ACSR Drake NL	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
	Twr 21/8 - Twr 21/9	0.06	795 ACSR Drake NL	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
	Twr 21/9 - Twr 21/10	0.03	795 ACSR Drake NL	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
	Twr 21/10 - Tonasket	0.01	795 ACSR Drake NL	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
		20.31													
		20.31													
115	**Elbe(Lewis County PUD) - Tap (Alder - La Grande(TCL) 1&2)**														
	? Line section is foreign owned, maximum operating temperature assumed.														
	Elbe - Str 1/4	6.33	397.5 ACSR Ibis NL	50	770	730	720	690	660	630	600	560	520	440	330
	Str 1/4 - Str 1/1	0.38	397.5 ACSR Ibis NL	100	940	910	900	880	860	850	830	805	780	740	690
	Str 1/1 - Tap	0.03	336.4 ACSR Merlin	100 ?	830	810	800	790	770	750	730	710	690	650	610
		6.74													
		6.74													
115	**Ellisford - Tap (East Omak - Oroville 1)**														
	? Line section is foreign owned, maximum operating temperature assumed.														
		0.46	266.8 ACSR Partridge	100 ?	730	710	700	690	670	660	640	625	610	570	530
		0.46													
		0.46													
115	**Eltopia - Tap(Franklin County PUD)**														
	Eltopia - Str 5/7	0.88	266.8 ACSR/AW Partridge	100	730	710		690	670	660				570	530
	Str 5/7 - Tap	2.95	266.8 ACSR/AW Partridge	100	730	710		690	670	660				570	530
		3.83													
		3.83													
115	**Eugene - Alvey 2**														
	Eugene - Str 3/4	2.31	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 3/4 - Str 4/4	1.01	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 4/4 - Dillard (EWEB) Tap	6.04	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
		9.36													
	Dillard (EWEB) Tap - Alvey	3.31	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
		3.31													
		12.67													

BONNEVILLE POWER ADMINISTRATION
TRANSMISSION LINE RATINGS

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KV	LINE LOCATION	LENGTH MILES	CONDUCTOR	Max. Oper Temp Deg. C	Allowable Amperage Ratings Ambient Air Temperature (Deg C) -30	-22	-20	-15	-10	-5	0	5	10	20	30
115	**Eugene - Bertelsen(EWEB) 1**														
	? Line section is foreign owned, maximum operating temperature assumed.														
	Eugene - Str 3/4	2.28	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 3/4 - Bertelsen	0.01	795 AAC Arbutus	100 ?	1430	1380	1370	1340	1310	1280	1250	1220	1190	1120	1040
		2.29													
		2.29													
115	**Eugene - Lane 1**														
	Eugene - Str 2/6	1.54	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
	Str 2/6 - Lane	3.93	795 AAC Arbutus	100	1430	1380	1370	1340	1310	1280	1250	1220	1190	1120	1040
		5.47													
		5.47													
115	**Fairview - Bandon 1**														
	Fairview - Str 1/1	0.11	397.5 ACSR Ibis	50	770	730	720	690	660	630	600	560	520	440	330
	Str 1/1 - Str 1/4	0.23	266.8 ACSR Partridge	50	600	570	560	540	510	490	460	435	410	340	260
	Str 1/4 - Str 4/6	3.01	266.8 ACSR Partridge	50	600	570	560	540	510	490	460	435	410	340	260
	Str 4/6 - Norway Tap	9.23	266.8 ACSR Partridge	50	600	570	560	540	510	490	460	435	410	340	260
		12.58													
	Norway Tap - Pacificorp Tap Myrtle Point	0.01	266.8 ACSR Partridge	50	600	570	560	540	510	490	460	435	410	340	260
		0.01													
	Pacificorp Tap Myrtle Point - Str 19/2	5.12	266.8 ACSR Partridge	50	600	570	560	540	510	490	460	435	410	340	260
	Str 19/2 - Str 20/4	1.06	397.5 ACSR Ibis	50	770	730	720	690	660	630	600	560	520	440	330
	Str 20/4 - Str 22/4	2.35	397.5 ACSR Ibis	50	770	730	720	690	660	630	600	560	520	440	330
	Str 22/4 - Morrision (CECC) Tap	1.73	397.5 ACSR Ibis	50	770	730	720	690	660	630	600	560	520	440	330
		10.26													
	Morrision (CECC) Tap - Bandon	2.31	397.5 ACSR Ibis	50	770	730	720	690	660	630	600	560	520	440	330
		2.31													
		25.16													
115	**Fairview - Bandon 2**														
	Fairview - Twr 2/2	1.47	1272 ACSR Bittern	90	1880	1820	1800	1760	1710	1670	1620	1575	1530	1420	1310
	Twr 2/2 - Twr 3/5	1.41	1272 ACSR Bittern	90	1880	1820	1800	1760	1710	1670	1620	1575	1530	1420	1310
	Twr 3/5 - Twr 8/4	4.63	1272 ACSR Bittern	90	1880	1820	1800	1760	1710	1670	1620	1575	1530	1420	1310
	Twr 8/4 - Twr 9/3	1.25	1272 ACSR Bittern	90	1880	1820	1800	1760	1710	1670	1620	1575	1530	1420	1310
	Twr 9/3 - Twr 10/5	0.95	1272 ACSR Bittern	90	1880	1820	1800	1760	1710	1670	1620	1575	1530	1420	1310
	Twr 10/5 - Twr 12/1	1.34	1272 ACSR Bittern	90	1880	1820	1800	1760	1710	1670	1620	1575	1530	1420	1310
	Twr 12/1 - Twr 13/2	1.28	1272 ACSR Bittern	90	1880	1820	1800	1760	1710	1670	1620	1575	1530	1420	1310
	Twr 13/2 - Twr 14/3	1.06	1272 ACSR Bittern	90	1880	1820	1800	1760	1710	1670	1620	1575	1530	1420	1310
	Twr 14/3 - Twr 16/4	2.36	1272 ACSR Bittern	90	1880	1820	1800	1760	1710	1670	1620	1575	1530	1420	1310
	Twr 16/4 - Twr 20/2	3.41	1272 ACSR Bittern	90	1880	1820	1800	1760	1710	1670	1620	1575	1530	1420	1310
	Twr 20/2 - Str 20/4	0.15	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 20/4 - Bandon	0.42	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
		19.73													
		19.73													
115	**Fidalgo - Lopez Island 4**														
	Fidalgo - East Decatur	4.71	3-400mm2 OF Cable (Sub)	75											
	East Decatur - West Decatur	1.72	3-500mm2 OF Cable (Land)	75											
	West Decatur - Lopez Island	2.05	3-400mm2 OF Cable (Sub)	75											
		8.48													
		8.48													
115	**Filbert - Tap (Forest Grove - McMinnville 1)**														
	Filbert - Str 1/10	0.10	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 1/10 - Str 1/8	0.11	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 1/8 - Str 1/4	0.25	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 1/4 - Tap	0.25	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
		0.71													
		0.71													
115	**Forest Grove - McMinnville 1**														
	Forest Grove - Filbert Tap	0.77	266.8 ACSR Partridge	90	710	690	680	660	640	630	610	595	580	540	490
		0.77													
	Filbert Tap - Str 2/3	0.33	266.8 ACSR Partridge	90	710	690	680	660	640	630	610	595	580	540	490
	Str 2/3 - Str 19/1	16.97	266.8 ACSR Partridge	90	710	690	680	660	640	630	610	595	580	540	490
	Str 19/1 - Carlton Tap	0.44	266.8 ACSR Partridge	90	710	690	680	660	640	630	610	595	580	540	490
		17.74													
	Carlton Tap - Str 19/10	0.11	556.5 ACSR Dove	100	1170	1130	1120	1100	1070	1050	1020	995	970	910	850
	Str 19/10 - Walnut City (MCM) Tap	2.92	556.5 ACSR Dove	90	1130	1090	1080	1060	1030	1010	980	950	920	860	790
		3.03													
	Walnut City (MCM) Tap - McMinnville	2.18	556.5 ACSR Dove	90	1130	1090	1080	1060	1030	1010	980	950	920	860	790
		2.18													
		23.72													
115	**Fort Rock - Buffalo Flats**														
		27.00	.951 in ACSRTW Toutle	100	1400	1360	1350	1320	1290	1260	1230	1200	1170	1100	1020
		27.00													
		27.00													

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TRANSMISSION LINE RATINGS

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KV	LINE LOCATION	LENGTH MILES	CONDUCTOR	Max. Oper Temp Deg. C	Allowable Amperage Ratings Ambient Air Temperature (Deg C) -30	-22	-20	-15	-10	-5	0	5	10	20	30
115	**Foster Creek (Nespelem Valley Elec.Co-op) - Okanogan**														
	* Copper conductor current ratings limited to maximum value by annealing under ferris clamps.														
	Foster Creek ((NVEC) Open) - Foster Cr. (	0.04	4/0 ACSR Penguin	100	590	570	570	560	540	530	520	505	490	460	430
		0.04													
	Foster Cr. (DPUD) - Str 43/7	9.69	556.5 ACSR Dove	100	1170	1130	1120	1100	1070	1050	1020	995	970	910	850
	Str 43/7 - Twr 44/2	0.56	556.5 ACSR Dove	100	1170	1130	1120	1100	1070	1050	1020	995	970	910	850
	Str 44/2 - Str 45/5	1.22	556.5 ACSR Dove	100	1170	1130	1120	1100	1070	1050	1020	995	970	910	850
	Str 45/5 - Pateros	0.01	556.5 ACSR Dove	100	1170	1130	1120	1100	1070	1050	1020	995	970	910	850
		11.48													
	Pateros - Brewster	0.43	556.5 ACSR Dove	100	1170	1130	1120	1100	1070	1050	1020	995	970	910	850
		0.43													
	Brewster - Str 46/1	0.02	1/0 Cu 7 Str (Limited)	100 *	480	460	460	450	440	430	410	405	390	370	340
	Str 46/1 - Str 52/14	6.96	1/0 Cu 7 Str (Limited)	100 *	480	460	460	450	440	430	410	405	390	370	340
	Str 52/14 - Ophir	0.09	4/0 ACSR Penguin	100	590	570	570	560	540	530	520	505	490	460	430
		7.07													
	Ophir - Str 53/4	0.10	4/0 ACSR Penguin	100	590	570	570	560	540	530	520	505	490	460	430
	Str 53/4 - Str 60/9	7.53	1/0 Cu 7 Str (Limited)	100 *	480	460	460	450	440	430	410	405	390	370	340
	Str 60/9 - Str 61/2	0.46	1/0 Cu 7 Str (Limited)	100 *	480	460	460	450	440	430	410	405	390	370	340
	Str 61/2 - Str 62/2	1.13	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
	Str 62/2 - Str 66/1	3.80	1/0 Cu 7 Str (Limited)	100 *	480	460	460	450	440	430	410	405	390	370	340
	Str 66/1 - Str 66/9	0.63	1/0 Cu 7 Str (Limited)	100 *	480	460	460	450	440	430	410	405	390	370	340
	Str 66/9 - Str 67/6	0.94	4/0 ACSR Penguin	100	590	570	570	560	540	530	520	505	490	460	430
	Str 67/6 - Str 67/10	0.44	4/0 ACSR Penguin	100	590	570	570	560	540	530	520	505	490	460	430
	Str 67/10 - Okanogan	0.09	1/0 Cu 7 Str (Limited)	100 *	480	460	460	450	440	430	410	405	390	370	340
		15.12													
		34.14													
115	**Foster Dam - Tap (Green Peter - Lebanon)**														
		3.77	397.5 ACSR Lark	100	950	920	910	890	870	850	830	810	790	740	690
		3.77													
		3.77													
115	**Foster Wells - North Pasco**														
	Foster Wells - Ch 1	1.33	556.5 ACSR Dove	80	1090	1050	1040	1010	980	960	930	895	860	790	720
	Ch 1 - North Pasco	1.33	556.5 ACSR Dove	80	1090	1050	1040	1010	980	960	930	895	860	790	720
		2.66													
		2.66													
115	**Foster Wells - Tap(Franklin - Riverview 1)**														
	Foster Wells - Ch 1	0.14	556.5 ACSR Dove	80	1090	1050	1040	1010	980	960	930	895	860	790	720
	Ch 1 - Ch 2	0.44	556.5 ACSR Dove	80	1090	1050	1040	1010	980	960	930	895	860	790	720
	Ch 2 - Ch 3	0.15	556.5 ACSR Dove	80	1090	1050	1040	1010	980	960	930	895	860	790	720
	Ch 3 - Tap	2.18	556.5 ACSR Dove	80	1090	1050	1040	1010	980	960	930	895	860	790	720
		2.91													
		2.91													
115	**Four Lakes - Tap(Sunset - East Colfax AVA Line)**														
		5.92	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
		5.92													
		5.92													
115	**Franklin - Angus (BPUD) 1**														
	? Line section is foreign owned, maximum operating temperature assumed.														
	Franklin - Str 1/8	0.34	1272 ACSR Bittern	100	1940	1880	1870	1830	1790	1750	1700	1660	1620	1520	1420
	Str 1/8 - Str 1/10	0.17	1272 ACSR Bittern	100	1940	1880	1870	1830	1790	1750	1700	1660	1620	1520	1420
	Str 1/10 - Pasco	2.75	1272 ACSR Bittern	100 ?	1940	1880	1870	1830	1790	1750	1700	1660	1620	1520	1420
		3.26													
	Pasco - Columbia River	0.70	1272 ACSR Bittern	100 ?	1940	1880	1870	1830	1790	1750	1700	1660	1620	1520	1420
	Columbia River - Vista Tap	2.00	1272 ACSR Bittern	100 ?	1940	1880	1870	1830	1790	1750	1700	1660	1620	1520	1420
		2.70													
	Vista Tap - Angus (BPUD)	0.40	336.4 AAC Tulip	100 ?	830	800	790	780	760	740	720	705	690	650	600
		0.40													
		6.36													
115	**Franklin - Badger Canyon 1**														
	Franklin - Twr 1/4	0.29	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
	Twr 1/4 - Twr 2/5	1.72	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
	Twr 2/5 - Twr 4/1	1.26	1.171 in AL/ALWLD	60	1280	1220	1210	1170	1130	1080	1030	980	930	820	680
	Twr 4/1 - Twr 4/6	0.82	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
	Twr 4/6 - Twr 15/3	10.45	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
	Twr 15/3 - Badger Canyon	1.23	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
		15.77													
		15.77													

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KV	LINE LOCATION	LENGTH MILES	CONDUCTOR	Max. Oper Temp Deg. C	Allowable Amperage Ratings Ambient Air Temperature (Deg C) -30	-22	-20	-15	-10	-5	0	5	10	20	30
115	**Franklin - Badger Canyon 2**														
	Franklin - Str 2/8	2.01	1272 AAC Narcissus	50	1540	1460	1440	1380	1320	1260	1190	1115	1040	860	630
	Str 2/8 - Str 4/1	1.22	795 ACSR Mallard	50	1200	1140	1120	1080	1030	980	930	870	810	670	500
	Str 4/1 - Franklin/Hedges (BPUD) 1 Tie	0.19	1272 ACSR Pheasant	90	1890	1830	1810	1770	1730	1690	1640	1590	1540	1440	1320
		3.42													
	Franklin/Hedges (BPUD) 1 Tie - Str 5/1	0.07	1272 ACSR Pheasant	90	1890	1830	1810	1770	1730	1690	1640	1590	1540	1440	1320
	Str 5/1 - Gum Street (PUD)	2.07	1272 ACSR Pheasant	90	1890	1830	1810	1770	1730	1690	1640	1590	1540	1440	1320
		2.14													
	Gum Street (PUD) - Kennewick (BPUD) Ta	0.56	1272 ACSR Pheasant	100	1960	1900	1880	1840	1800	1760	1720	1675	1630	1530	1430
		0.56													
	Kennewick (BPUD) Tap - Str 8/3	0.29	397.5 ACSR Ibis	70	850	810	800	780	750	730	700	675	650	580	510
	Str 8/3 - Str 9/11	1.36	397.5 ACSR Ibis	70	850	810	800	780	750	730	700	675	650	580	510
	Str 9/11 - Ely (PUD)	0.05	397.5 ACSR Ibis	70	850	810	800	780	750	730	700	675	650	580	510
		1.70													
	Ely (PUD) - Str 9/13	0.06	397.5 ACSR Ibis	90	910	880	870	850	830	810	790	765	740	690	640
	Str 9/13 - Angus (BPUD) Tap	0.70	397.5 ACSR Ibis	90	910	880	870	850	830	810	790	765	740	690	640
		0.76													
	Angus (BPUD) Tap - Highlands (BPUD)	1.22	397.5 ACSR Ibis	90	910	880	870	850	830	810	790	765	740	690	640
		1.22													
	Highlands (BPUD) - Orchard View	1.48	1272 ACSR Pheasant	100	1960	1900	1880	1840	1800	1760	1720	1675	1630	1530	1430
		1.48													
	Orchard View - Str 15/1	1.23	1272 ACSR Pheasant	100	1960	1900	1880	1840	1800	1760	1720	1675	1630	1530	1430
	Str 15/1 - Badger Canyon	0.84	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
		2.07													
		13.35													
115	**Franklin - Hedges (BPUD) 1**														
	Franklin - Str 2/6	1.88	397.5 ACSR Ibis	80	880	850	840	820	790	770	750	725	700	640	580
	Str 2/6 - Twr 2/7	0.12	795 ACSR Drake	60	1260	1200	1180	1140	1100	1060	1010	960	910	800	660
	Twr 2/7 - Twr 4/1	1.21	795 ACSR Mallard	100	1480	1430	1420	1390	1360	1330	1300	1265	1230	1160	1080
	Twr 4/1 - Str 4/3	0.19	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
	Str 4/3 - Franklin/Badger Canyon 2 Tie	0.20	397.5 ACSR Ibis	80	880	850	840	820	790	770	750	725	700	640	580
		3.60													
	Franklin/Badger Canyon 2 Tie - Hedges (BP	1.37	397.5 ACSR Ibis	80	880	850	840	820	790	770	750	725	700	640	580
		1.37													
		4.97													
115	**Franklin - Riverview 1**														
	Franklin - Str 1/2	0.09	1.1 in ACSRTW Rogue	90	1660	1600	1590	1560	1520	1480	1440	1395	1350	1260	1160
	Str 1/2 - Str 1/3	0.09	1.1 in ACSRTW Rogue	90	1660	1600	1590	1560	1520	1480	1440	1395	1350	1260	1160
	Str 1/3 - Str 1/8	0.49	1.1 in ACSRTW Rogue	90	1660	1600	1590	1560	1520	1480	1440	1395	1350	1260	1160
	Str 1/8 - Str 1/10	0.25	1.1 in ACSRTW Rogue	90	1660	1600	1590	1560	1520	1480	1440	1395	1350	1260	1160
	Str 1/10 - Str 3/1	1.12	1.1 in ACSRTW Rogue	90	1660	1600	1590	1560	1520	1480	1440	1395	1350	1260	1160
	Str 3/1 - Str 3/10	0.60	1.1 in ACSRTW Rogue	90	1660	1600	1590	1560	1520	1480	1440	1395	1350	1260	1160
	Str 3/10 - Foster Wells Tap	0.04	1.1 in ACSRTW Rogue	90	1660	1600	1590	1560	1520	1480	1440	1395	1350	1260	1160
		2.68													
	Foster Wells Tap - Str 3/11	0.03	1.1 in ACSRTW Rogue	90	1660	1600	1590	1560	1520	1480	1440	1395	1350	1260	1160
	Str 3/11 - Str 3/12	0.09	1.1 in ACSRTW Rogue	90	1660	1600	1590	1560	1520	1480	1440	1395	1350	1260	1160
	Str 3/12 - Court Street(4/1)	0.21	1.1 in ACSRTW Rogue	90	1660	1600	1590	1560	1520	1480	1440	1395	1350	1260	1160
		0.33													
	Court Street (PUD) - Str 4/22	0.95	1.1 in ACSRTW Rogue	90	1660	1600	1590	1560	1520	1480	1440	1395	1350	1260	1160
	Str 4/22 - Str 5/11	0.53	266.8 ACSR Partridge	90	710	690	680	660	640	630	610	595	580	540	490
	Str 5/11 - Riverview	0.38	266.8 ACSR Partridge	90	710	690	680	660	640	630	610	595	580	540	490
		1.86													
		4.87													
115	**Franklin - Walla Walla 1**														
	Franklin - Str 1/3	0.30	1780 ACSR Chukar	50	1920	1810	1780	1710	1640	1560	1470	1380	1290	1050	760
	Str 1/3 - Str 1/9	0.42	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 1/9 - Str 2/8	1.22	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 2/8 - Str 5/2	1.65	253 Cu GC LS 19238	50	730	690	680	660	630	600	570	535	500	420	320
	Str 5/2 - Str 5/4	0.59	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 5/4 - Burbank Tap	0.11	253 Cu GC LS 19238	100	890	870	860	840	820	810	790	770	750	700	660
		4.29													
	Burbank Tap - Joso (CREA) Tap	9.79	253 Cu GC LS 19238	100	890	870	860	840	820	810	790	770	750	700	660
		9.79													
	Joso (CREA) Tap - Str 37/3	21.43	253 Cu GC LS 19238	100	890	870	860	840	820	810	790	770	750	700	660
	Str 37/3 - Walla Walla	0.45	253 Cu GC LS 19238	50	730	690	680	660	630	600	570	535	500	420	320
		21.88													
		35.96													
115	**Franklin/Hedges (BPUD) 1 - Franklin/Badger Canyon 2 Tie**														
		0.33	397.5 ACSR Ibis	50	770	730	720	690	660	630	600	560	520	440	330
		0.33													
		0.33													

BONNEVILLE POWER ADMINISTRATION
TRANSMISSION LINE RATINGS

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KV	LINE LOCATION	LENGTH MILES	CONDUCTOR	Max. Oper Temp Deg. C	Allowable Amperage Ratings Ambient Air Temperature (Deg C) -30	-22	-20	-15	-10	-5	0	5	10	20	30
115	**Franz Holmes - Tap (Cowlitz - La Grande 1/2 (TCL))**														
	Franz Holmes - Str 1/1	0.89	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 1/1 - Tap	0.02	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
		0.91													
		0.91													
115	**Frenchtown - Tap (MPC)**														
		0.04	266.8 ACSR Partridge	50	600	570	560	540	510	490	460	435	410	340	260
		0.04													
		0.04													
115	**Froman - Tap (Albany - Lebanon 1)**														
		0.04	266.8 ACSR Partridge	50	600	570	560	540	510	490	460	435	410	340	260
		0.04													
		0.04													
115	**Garibaldi - Tap (Seaside - Mohler PP&L)**														
		0.04	397.5 ACSR Ibis	50	770	730	720	690	660	630	600	560	520	440	330
		0.04													
		0.04													
115	**Goshen - Drummond**														
	Goshen - Str 1/3	0.10	.915 in AACTW Mazama	100	1380	1330	1320	1290	1260	1240	1210	1180	1150	1080	1010
	Str 1/3 - Str 22/4	21.05	.915 in AACTW Mazama	100	1380	1330	1320	1290	1260	1240	1210	1180	1150	1080	1010
	Str 22/4 - Str 23/3	0.68	.915 in AACTW Mazama	100	1380	1330	1320	1290	1260	1240	1210	1180	1150	1080	1010
	Str 23/3 - Str 34/18	11.63	.915 in AACTW Mazama	100	1380	1330	1320	1290	1260	1240	1210	1180	1150	1080	1010
	Str 34/18 - Str 35/4	0.52	.915 in AACTW Mazama	100	1380	1330	1320	1290	1260	1240	1210	1180	1150	1080	1010
	Str 35/4 - Str 35/5	0.25	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
	Str 35/5 - Str 36/6	0.94	.915 in AACTW Mazama	100	1380	1330	1320	1290	1260	1240	1210	1180	1150	1080	1010
	Str 36/6 - Str 38/17	2.22	.915 in AACTW Mazama	100	1380	1330	1320	1290	1260	1240	1210	1180	1150	1080	1010
	Str 38/17 - Str 42/9	4.08	.915 in AACTW Mazama	100	1380	1330	1320	1290	1260	1240	1210	1180	1150	1080	1010
	Str 42/9 - Str 43/6	0.79	.915 in AACTW Mazama	100	1380	1330	1320	1290	1260	1240	1210	1180	1150	1080	1010
	Str 43/6 - Str 44/1	0.42	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
	Str 44/1 - Str 44/2	0.08	.915 in AACTW Mazama	100	1380	1330	1320	1290	1260	1240	1210	1180	1150	1080	1010
	Str 44/2 - Str 53/2	8.86	.915 in AACTW Mazama	100	1380	1330	1320	1290	1260	1240	1210	1180	1150	1080	1010
	Str 53/2 - Str 58/10	5.41	.915 in AACTW Mazama	100	1380	1330	1320	1290	1260	1240	1210	1180	1150	1080	1010
	Str 58/10 - Str 58/11	0.37	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
	Str 58/11 - Str 60/2	1.27	.915 in AACTW Mazama	100	1380	1330	1320	1290	1260	1240	1210	1180	1150	1080	1010
	Str 60/2 - Str 66/1	5.82	.915 in AACTW Mazama	100	1380	1330	1320	1290	1260	1240	1210	1180	1150	1080	1010
	Str 66/1 - Drummond	8.27	.915 in AACTW Mazama	100	1380	1330	1320	1290	1260	1240	1210	1180	1150	1080	1010
		72.76													
		72.76													
115	**Grand Coulee - Bell 1**														
	* Copper conductor current ratings limited to maximum value by annealing under ferris clamps.														
	Grand Coulee - Twr 1/4	0.56	556.5 ACSR Dove	100	1170	1130	1120	1100	1070	1050	1020	995	970	910	850
	Twr 1/4 - Wagner Lake Tap	17.44	350 Cu 19 Str	100	1070	1030	1020	1000	980	960	940	915	890	830	780
		18.00													
	Wagner Lake Tap - Creston	10.23	350 Cu 19 Str	100	1070	1030	1020	1000	980	960	940	915	890	830	780
		10.23													
	Creston - Larene	16.73	350 Cu 19 Str	100	1070	1030	1020	1000	980	960	940	915	890	830	780
		16.73													
	Larene - Spring Hill	27.15	350 Cu 19 Str	100	1070	1030	1020	1000	980	960	940	915	890	830	780
		27.15													
	Spring Hill - Str 83/7	9.28	350 Cu 19 Str	100	1070	1030	1020	1000	980	960	940	915	890	830	780
	Str 83/7 - Bell	0.64	350 Cu 19 Str	100	1070	1030	1020	1000	980	960	940	915	890	830	780
		9.92													
		82.03													
115	**Grand Coulee - Bell 2**														
	* Copper conductor current ratings limited to maximum value by annealing under ferris clamps.														
	Grand Coulee - Twr 1/4	0.56	556.5 ACSR Dove	100	1170	1130	1120	1100	1070	1050	1020	995	970	910	850
	Twr 1/4 - Grant County PUD	1.03	350 Cu 19 Str	100	1070	1030	1020	1000	980	960	940	915	890	830	780
		1.59													
	Grant County PUD - Wagner Lake Tap	16.47	350 Cu 19 Str	100	1070	1030	1020	1000	980	960	940	915	890	830	780
		16.47													
	Wagner Lake Tap - Creston	10.21	350 Cu 19 Str	100	1070	1030	1020	1000	980	960	940	915	890	830	780
		10.21													
	Creston - Larene	16.73	350 Cu 19 Str	100	1070	1030	1020	1000	980	960	940	915	890	830	780
		16.73													
	Larene - Spring Hill	27.16	350 Cu 19 Str	100	1070	1030	1020	1000	980	960	940	915	890	830	780
		27.16													
	Spring Hill - Str 83/7	9.28	350 Cu 19 Str	100	1070	1030	1020	1000	980	960	940	915	890	830	780
	Str 83/7 - Bell	0.64	350 Cu 19 Str	100	1070	1030	1020	1000	980	960	940	915	890	830	780
		9.92													
		82.08													

BONNEVILLE POWER ADMINISTRATION
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115	**Grand Coulee - Foster Creek 1 (Nespelem Valley Elec. Co-op)**														
	Grand Coulee - Str 1/3	0.11	4/0 ACSR Penguin	100	590	570	570	560	540	530	520	505	490	460	430
	Str 1/3 - Cable Spr Yd	0.27	4/0 ACSR Penguin	100	590	570	570	560	540	530	520	505	490	460	430
		0.38													
	Cable Spr Yd - Str 2/8	1.51	4/0 ACSR Penguin	100	590	570	570	560	540	530	520	505	490	460	430
	Str 2/8 - Nilles Corner	18.34	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
		19.85													
	Nilles Corner - Str 31/6	10.46	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
	Str 31/6 - East Omak Tap	0.83	4/0 ACSR Penguin	100	590	570	570	560	540	530	520	505	490	460	430
		11.29													
	East Omak Tap - Str 33/5	0.77	4/0 ACSR Penguin	100	590	570	570	560	540	530	520	505	490	460	430
	Str 33/5 - Str 33/7	0.19	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
	Str 33/7 - Foster Creek (NVEC)	0.18	4/0 ACSR Penguin	100	590	570	570	560	540	530	520	505	490	460	430
		1.14													
		32.66													
115	**Grand Coulee - Okanogan 2**														
	Grand Coulee - Cable Spr Yd	0.44	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
		0.44													
	Cable Spr Yd - Keller Tap	0.81	397.5 ACSR Ibis	60	810	770	760	740	710	680	650	620	590	520	430
		0.81													
	Keller Tap - Nespelem (NVEC) Tap	5.32	397.5 ACSR Ibis	60	810	770	760	740	710	680	650	620	590	520	430
		5.32													
	Nespelem (NVEC) Tap - Str 16/7	9.41	397.5 ACSR Ibis	60	810	770	760	740	710	680	650	620	590	520	430
	Str 16/7 - Str 17/1	0.37	397.5 ACSR Lark	100	950	920	910	890	870	850	830	810	790	740	690
	Str 17/1 - Goose Lake (NVEC)	4.71	397.5 ACSR Ibis	80	880	850	840	820	790	770	750	725	700	640	580
		14.49													
	Goose Lake (NVEC) - Str 41/5	19.49	397.5 ACSR Ibis	80	880	850	840	820	790	770	750	725	700	640	580
	Str 41/5 - Okanogan	0.53	397.5 ACSR Ibis	80	880	850	840	820	790	770	750	725	700	640	580
		20.02													
		41.08													
115	**Grand Ronde - Boyer(PP&L) 1**														
	Grand Ronde - Str 34/6	5.60	4/0 ACSR Penguin	80	550	530	520	510	500	490	470	450	430	400	360
	Str 34/6 - Boyer	0.02	266.8 ACSR Partridge	80	680	660	650	640	620	600	580	560	540	500	450
		5.62													
		5.62													
115	**Grandview - Richland 1**														
	Grandview - Str 1/3	0.13	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
	Str 1/3 - Str 1/11	0.52	266.8 AAC Laurel	100	710	690	680	670	650	640	620	605	590	560	520
	Str 1/11 - Str 6/5	4.81	266.8 AAC Laurel	100	710	690	680	670	650	640	620	605	590	560	520
	Str 6/5 - Prosser (BPUD) Tap	0.01	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
		5.47													
	Prosser (BPUD) Tap - Str 6/6	0.04	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
	Str 6/6 - Snipes	4.81	266.8 AAC Laurel	100	710	690	680	670	650	640	620	605	590	560	520
		4.85													
	Snipes - Str 14/5	3.15	266.8 AAC Laurel	100	710	690	680	670	650	640	620	605	590	560	520
	Str 14/5 - Chandler Tap	0.01	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
		3.16													
	Chandler Tap - Str 14/6	0.01	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
	Str 14/6 - Benton City (BPUD)	4.86	266.8 AAC Laurel	100	710	690	680	670	650	640	620	605	590	560	520
		4.87													
	Benton City (BPUD) - Str 23/9	4.43	266.8 AAC Laurel	100	710	690	680	670	650	640	620	605	590	560	520
	Str 23/9 - White Bluffs Tap	0.06	.915 in AACTW Mazama	100	1380	1330	1320	1290	1260	1240	1210	1180	1150	1080	1010
		4.49													
	White Bluffs Tap - Str 24/10	1.00	.915 in AACTW Mazama	100	1380	1330	1320	1290	1260	1240	1210	1180	1150	1080	1010
	Str 24/10 - Str 24/11	0.11	.915 in AACTW Mazama	100	1380	1330	1320	1290	1260	1240	1210	1180	1150	1080	1010
	Str 24/11 - Str 25/11	1.01	.915 in AACTW Mazama	100	1380	1330	1320	1290	1260	1240	1210	1180	1150	1080	1010
	Str 25/11 - Ledbeder (BREA)	0.64	.915 in AACTW Mazama	100	1380	1330	1320	1290	1260	1240	1210	1180	1150	1080	1010
		2.76													
	Ledbeder (BREA) - Str 27/1	0.54	.915 in AACTW Mazama	100	1380	1330	1320	1290	1260	1240	1210	1180	1150	1080	1010
	Str 27/1 - Str 29/2	1.98	.915 in AACTW Mazama	100	1380	1330	1320	1290	1260	1240	1210	1180	1150	1080	1010
	Str 29/2 - Str 29/3	0.07	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
	Str 29/3 - Str 29/7	0.39	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
	Str 29/7 - Richland	0.22	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
		3.20													
		28.80													

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KV	LINE LOCATION	LENGTH MILES	CONDUCTOR	Max. Oper Temp Deg. C	Allowable Amperage Ratings Ambient Air Temperature (Deg C) -30	-22	-20	-15	-10	-5	0	5	10	20	30
115	**Grays River - Tap (Allston - Astoria 1)**														
	Grays River - Twr 24/1	1.40	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
	Twr 24/1 - Twr 21/1	3.25	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
	Twr 21/1 - Twr 19/6	1.12	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
	Twr 19/6 - Twr 18/1	1.70	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
	Twr 18/1 - Twr 15/2	2.90	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
	Twr 15/2 - Twr 11/4	3.76	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
	Twr 11/4 - Twr 9/9	1.77	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
	Twr 9/9 - Str 9/1	0.77	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
	Str 9/1 - Str 8/8	0.65	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
	Str 8/8 - Str 6/10	1.14	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
	Str 6/10 - Str 6/7	0.14	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
	Str 6/7 - Str 6/5	0.13	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
	Str 6/5 - Cathlamet	0.22	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
		18.95													
	Cathlamet - Str 5/1	0.05	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
	Str 5/1 - Str 4/7	0.71	262.96 ACSR Spec	60	540	510	500	490	470	450	430	415	400	350	300
	Str 4/7 - Str 2/3	1.96	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
	Str 2/3 - WA/OR Border	0.42	262.96 ACSR Spec	100	620	600	600	590	570	560	540	525	510	480	450
		3.14													
	WA/OR Border - Str 2/1	0.38	262.96 ACSR Spec	100	620	600	600	590	570	560	540	525	510	480	450
	Str 2/1 - Tap	1.06	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
		1.44													
		23.53													
115	**Green Peter - Lebanon 1**														
	Green Peter - Foster Dam Tap	6.31	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
		6.31													
	Foster Dam Tap - Lebanon	11.78	795 ACSR Drake	70	1310	1250	1240	1210	1170	1130	1090	1045	1000	900	790
		11.78													
		18.09													
115	**Hagen - Tap (Naselle - Tarlett (PACP) 2)**														
	? Line section is foreign owned, maximum operating temperature assumed.														
		2.00	795 AAC Arbutus	50 ?	1160	1100	1080	1040	990	950	900	840	780	650	480
		2.00													
		2.00													
115	**Hanford 2 - Tap(Benton - HEW 451B 1)**														
	Hanford 2 - Str 2/9	0.11	4/0 ACSR Penguin	50	480	460	450	430	410	390	370	350	330	270	210
	Str 2/9 - Tap	1.83	4/0 ACSR Penguin	50	480	460	450	430	410	390	370	350	330	270	210
		1.94													
		1.94													
115	**Hanna - Tap (Valhalla - Eastmont PUD 1)**														
	? Line section is foreign owned, maximum operating temperature assumed.														
		0.43	250 Cu 19 Str	80 ?	810	780	770	750	730	710	680	660	640	590	530
		0.43													
		0.43													
115	**Harrisburg - Tap (Albany - Eugene)**														
		0.04	397.5 ACSR Ibis	50	770	730	720	690	660	630	600	560	520	440	330
		0.04													
		0.04													
115	**Hatton - Tap (Connell Tap Line)**														
	Hatton - Str 15/15	0.54	266.8 ACSR/AW Partridge	100	730	710		690	670	660				570	530
	Str 15/15 - Tap	14.80	266.8 ACSR/AW Partridge	100	730	710		690	670	660				570	530
		15.34													
		15.34													
115	**Hawkins(EWEB) - Alvey 1**														
	Hawkins - Str 1/1 (EWEB)	0.71	795 ACSR Drake	50	1190	1130	1110	1070	1020	970	920	860	800	670	490
	Str 1/1 - Str 6/2	4.61	397.5 ACSR Ibis	80	880	850	840	820	790	770	750	725	700	640	580
	Str 6/2 - Hideaway Tap	0.03	397.5 ACSR Ibis	80	880	850	840	820	790	770	750	725	700	640	580
		5.35													
	Hideaway Tap - Str 6/3	0.05	397.5 ACSR Ibis	80	880	850	840	820	790	770	750	725	700	640	580
	Str 6/3 - Str 8/1	1.77	397.5 ACSR Ibis	80	880	850	840	820	790	770	750	725	700	640	580
	Str 8/1 - Alvey	0.61	397.5 ACSR Ibis	80	880	850	840	820	790	770	750	725	700	640	580
		2.43													
		7.78													
115	**Hebo - Tap (Boyer(PP&L) - Tillamook 1)**														
		0.04	266.8 ACSR Partridge	50	600	570	560	540	510	490	460	435	410	340	260
		0.04													
		0.04													

BONNEVILLE POWER ADMINISTRATION
TRANSMISSION LINE RATINGS

KV	LINE LOCATION	LENGTH MILES	CONDUCTOR	Max. Oper Temp Deg. C	Allowable Amperage Ratings Ambient Air Temperature (Deg C) -30	-22	-20	-15	-10	-5	0	5	10	20	30
115	**Hideaway - Tap (Hawkins - Alvey 1)**														
		0.11	397.5 ACSR Ibis	80	880	850	840	820	790	770	750	725	700	640	580
		0.11													
		0.11													
115	**Hills Creek - Lookout Point 1**														
	& Amperage ratings based on Maintenance's agreement to monitor suspect compression fittings.														
Hills Creek - Str 1/3		0.37	397.5 ACSR Lark	100	950	920	910	890	870	850	830	810	790	740	690
Str 1/3 - Str 5/1		3.58	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
Str 5/1 - Oakridge		0.84	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
		4.79													
Oakridge - Lookout Point		20.01	4/0 ACSR Penguin	100 &	590	570	570	560	540	530	520	505	490	460	430
		20.01													
		24.80													
115	**Holcomb - Naselle 1**														
	& Amperage ratings based on Maintenance's agreement to monitor suspect compression fittings.														
Holcomb - Valley Tap (2/5)		1.49	4/0 ACSR Penguin	100 &	590	570	570	560	540	530	520	505	490	460	430
		1.49													
Valley Tap (2/5) - Str 21/6		19.15	4/0 ACSR Penguin	100 &	590	570	570	560	540	530	520	505	490	460	430
Str 21/6 - Naselle		0.47	4/0 ACSR Penguin	100 &	590	570	570	560	540	530	520	505	490	460	430
		19.62													
		21.11													
115	**Holcomb - Tap (Chehalis - Raymond 1)**														
	& Amperage ratings based on Maintenance's agreement to monitor suspect compression fittings.														
		0.01	4/0 ACSR Penguin	50 &	480	460	450	430	410	390	370	350	330	270	210
		0.01													
		0.01													
115	**Ice Harbor - Franklin 1**														
Ice Harbor - Twr 1/4		1.07	1780 ACSR Chukar	80	2220	2140	2120	2070	2010	1950	1890	1825	1760	1610	1450
Twr 1/4 - Twr 9/3		7.41	1780 ACSR Chukar	80	2220	2140	2120	2070	2010	1950	1890	1825	1760	1610	1450
Twr 9/3 - Franklin		0.86	1780 ACSR Chukar	80	2220	2140	2120	2070	2010	1950	1890	1825	1760	1610	1450
		9.34													
		9.34													
115	**Ice Harbor - Franklin 2**														
Ice Harbor - Sacajawea Tap		0.30	1780 ACSR Chukar	80	2220	2140	2120	2070	2010	1950	1890	1825	1760	1610	1450
		0.30													
Sacajawea Tap - Twr 1/4		0.74	1780 ACSR Chukar	80	2220	2140	2120	2070	2010	1950	1890	1825	1760	1610	1450
Twr 1/4 - Martindale (PUD)		2.83	1780 ACSR Chukar	80	2220	2140	2120	2070	2010	1950	1890	1825	1760	1610	1450
		3.57													
Martindale (PUD) - Twr 9/3		4.58	1780 ACSR Chukar	80	2220	2140	2120	2070	2010	1950	1890	1825	1760	1610	1450
Twr 9/3 - Franklin		0.62	1780 ACSR Chukar	80	2220	2140	2120	2070	2010	1950	1890	1825	1760	1610	1450
		5.20													
		9.07													
115	**Ice Harbor - Franklin 3**														
Ice Harbor - Levey (1/1)		0.87	1780 ACSR Chukar	80	2220	2140	2120	2070	2010	1950	1890	1825	1760	1610	1450
		0.87													
Levey - Twr 1/4		0.13	1780 ACSR Chukar	80	2220	2140	2120	2070	2010	1950	1890	1825	1760	1610	1450
Twr 1/4 - Twr 8/4		6.47	1780 ACSR Chukar	80	2220	2140	2120	2070	2010	1950	1890	1825	1760	1610	1450
Twr 8/4 - Twr 9/1		0.63	1780 ACSR Chukar	80	2220	2140	2120	2070	2010	1950	1890	1825	1760	1610	1450
Twr 9/1 - Franklin		0.97	1780 ACSR Chukar	80	2220	2140	2120	2070	2010	1950	1890	1825	1760	1610	1450
		8.20													
		9.07													
115	**Jim Creek - East Arlington (U S Dept of Navy)**														
Jim Creek - Str 10/2		0.31	266.8 ACSR Partridge	80	680	660	650	640	620	600	580	560	540	500	450
Str 10/2 - Str 2/1		8.17	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
Str 2/1 - Str 1/7		0.48	397.5 ACSR Lark	100	950	920	910	890	870	850	830	810	790	740	690
Str 1/7 - East Arlington		0.64	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
		9.60													
		9.60													
115	**John Day (Klickitat Co PUD) - Tap (Chenoweth - Goldendale 1)**														
	? Line section is foreign owned, maximum operating temperature assumed.														
Section 1 (Klickitat PUD)		9.10	4/0 ACSR Penguin	50 ?	480	460	450	430	410	390	370	350	330	270	210
Section 2		0.01	4/0 ACSR Penguin	50	480	460	450	430	410	390	370	350	330	270	210
		9.11													
		9.11													
115	**Junction City (BLC) - Tap(Albany - Eugene 1)**														
		0.06	397.5 ACSR Ibis	50	770	730	720	690	660	630	600	560	520	440	330
		0.06													
		0.06													

BONNEVILLE POWER ADMINISTRATION
TRANSMISSION LINE RATINGS

Prepared by
RDH and TKL / TOP

KV	LINE LOCATION	LENGTH MILES	CONDUCTOR	Max. Oper Temp Deg. C	Allowable Amperage Ratings Ambient Air Temperature (Deg C) -30	-22	-20	-15	-10	-5	0	5	10	20	30
115	**Kalispell - Kerr 1**														
	Kalispell - Str 23/6	4.76	4/0 ACSR Penguin	100	590	570	570	560	540	530	520	505	490	460	430
	Str 23/6 - Str 24/1	0.44	397.5 ACSR Lark	100	950	920	910	890	870	850	830	810	790	740	690
	Str 24/1 - Elmo	23.39	4/0 ACSR Penguin	100	590	570	570	560	540	530	520	505	490	460	430
		28.59													
	Elmo - Kerr	12.80	4/0 ACSR Penguin	100	590	570	570	560	540	530	520	505	490	460	430
		12.80													
		41.39													
115	**Keeler - Forest Grove 2**														
		10.51	556.5 ACSR Dove	100	1170	1130	1120	1100	1070	1050	1020	995	970	910	850
		10.51													
		10.51													
115	**Keeler - Oregon City 2**														
	* Copper conductor current ratings limited to maximum value by annealing under ferris clamps.														
	Keeler - Str 4/9	4.02	556.5 ACSR Dove	90	1130	1090	1080	1060	1030	1010	980	950	920	860	790
	Str 4/9 - OREGON CITY	17.41	350 Cu PH D 1319	100	1070	1040	1030	1010	990	970	940	915	890	840	780
		21.43													
		21.43													
115	**Keeler - Pennwalt**														
	* Copper conductor current ratings limited to maximum value by annealing under ferris clamps.														
	Keeler - Springville Junction	3.97	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
		3.97													
	Springville Junction - Str 9/1	4.10	350 Cu 19 Str	100	1070	1030	1020	1000	980	960	940	915	890	830	780
	Str 9/1 - 9/4	0.20	795 AAC Arbutus	100	1430	1380	1370	1340	1310	1280	1250	1220	1190	1120	1040
	Str 9/4 - Pennwalt Annex	0.50	795 AAC Arbutus	100	1430	1380	1370	1340	1310	1280	1250	1220	1190	1120	1040
		4.80													
	Pennwalt Annex - Pennwalt	0.08	795 AAC Arbutus	100	1430	1380	1370	1340	1310	1280	1250	1220	1190	1120	1040
		0.08													
		8.85													
115	**Keeler - Tillamook 1**														
	Keeler - Forest Grove	10.53	556.5 ACSR Dove	80	1090	1050	1040	1010	980	960	930	895	860	790	720
		10.53													
	Forest Grove - Str 13/4	1.40	556.5 ACSR Dove	90	1130	1090	1080	1060	1030	1010	980	950	920	860	790
	Str 13/4 - Thatcher Junction Tap	0.50	556.5 ACSR Dove	90	1130	1090	1080	1060	1030	1010	980	950	920	860	790
		1.90													
	Thatcher Junction Tap - Str 14/2	0.22	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
	Str 14/2 - Timber Tap	7.82	266.8 ACSR Partridge	90	710	690	680	660	640	630	610	595	580	540	490
		8.04													
	Timber Tap - Str 37/6	15.93	266.8 ACSR Partridge	90	710	690	680	660	640	630	610	595	580	540	490
	Str 37/6 - Str 48/1	10.21	266.8 ACSR Partridge	90	710	690	680	660	640	630	610	595	580	540	490
	Str 48/1 - Str 56/6	8.95	266.8 ACSR Partridge	90	710	690	680	660	640	630	610	595	580	540	490
	Str 56/6 - Str 57/2	0.35	266.8 ACSR Partridge	90	710	690	680	660	640	630	610	595	580	540	490
	Str 57/2 - Str 58/5	1.78	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
	Str 58/5 - Tillamook	0.13	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
		37.35													
		57.82													
115	**Keeler 230/115 kV Tie 1**														
		0.14	1590 AAC Coreopsis	100	2190	2130	2110	2070	2020	1970	1920	1870	1820	1720	1600
		0.14													
		0.14													
115	**Keeler 230/115 kV Tie 2**														
		0.36	1780 ACSR Chukar	100	2390	2320	2300	2250	2200	2150	2100	2045	1990	1870	1750
		0.36													
		0.36													
115	**Keller - Tap (Grand Coulee - Okanogan 2)**														
	Keller - Str 20/8	0.22	795 ACSR Drake	50	1190	1130	1110	1070	1020	970	920	860	800	670	490
	Str 20/8 - Str 20/5	0.51	795 ACSR Drake	50	1190	1130	1110	1070	1020	970	920	860	800	670	490
	Str 20/5 - Str 18/2	1.88	795 ACSR Drake	50	1190	1130	1110	1070	1020	970	920	860	800	670	490
	Twr 18/2 - Tolman Tap (17/5)	0.94	1272 ACSR Bittern	50	1570	1480	1460	1400	1340	1280	1210	1130	1050	870	640
		3.55													
	Tolman Tap (17/5) - Twr 16/4	0.91	1272 ACSR Bittern	50	1570	1480	1460	1400	1340	1280	1210	1130	1050	870	640
	Twr 16/4 - Twr 13/1	3.66	1272 ACSR Bittern	50	1570	1480	1460	1400	1340	1280	1210	1130	1050	870	640
	Twr 13/1 - Twr 4/2	8.43	1272 AAC Narcissus	50	1540	1460	1440	1380	1320	1260	1190	1115	1040	860	630
	Twr 4/2 - Twr 3/3	1.05	1272 ACSR Pheasant	50	1580	1490	1470	1410	1350	1290	1220	1140	1060	880	640
	Twr 3/3 - Twr 2/6	0.75	1272 ACSR Pheasant	50	1580	1490	1470	1410	1350	1290	1220	1140	1060	880	640
	Twr 2/6 - Twr 2/3	0.42	1272 ACSR Pheasant	50	1580	1490	1470	1410	1350	1290	1220	1140	1060	880	640
	Twr 2/3 - Str 1/4	1.07	1272 ACSR Pheasant	50	1580	1490	1470	1410	1350	1290	1220	1140	1060	880	640
	Str 1/4 - Tap	0.30	1272 AAC Narcissus	50	1540	1460	1440	1380	1320	1260	1190	1115	1040	860	630
		16.59													
		20.14													

BONNEVILLE POWER ADMINISTRATION
TRANSMISSION LINE RATINGS

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KV	LINE LOCATION	LENGTH MILES	CONDUCTOR	Max. Oper Temp Deg. C	Allowable Amperage Ratings Ambient Air Temperature (Deg C) -30	-22	-20	-15	-10	-5	0	5	10	20	30
115	**Kennewick (BPUD) - Tap (Franklin - Badger Canyon 2)**														
		0.54	250 Cu PH D 1319 HSC	50	730	690	680	660	630	600	570	535	500	420	320
		0.54													
		0.54													
115	**Kerr - US Indian Irrigation Service**														
	Kerr - Str 1 (MPC Tap)	0.02	4/0 ACSR Penguin	50	480	460	450	430	410	390	370	350	330	270	210
	Str 1 (MPC Tap) - US Indian Irrigation Serv	0.08	4/0 ACSR Penguin	50	480	460	450	430	410	390	370	350	330	270	210
		0.10													
		0.10													
115	**Kitsap - Bangor 1**														
	Kitsap - Twr 14/4	13.55	556.5 ACSR Dove	60	1000	950	940	910	880	850	810	770	730	640	530
	Twr 14/4 - Bangor	0.47	556.5 ACSR Dove	70	1050	1000	990	960	930	900	870	835	800	720	630
		14.02													
		14.02													
115	**Kitsap - Bremerton 1**														
	Kitsap - Str 2/1	0.53	1272 AAC Narcissus	100	1910	1850	1840	1800	1760	1720	1680	1635	1590	1500	1400
	Str 2/1 - Str 3/8	1.62	1272 AAC Narcissus	100	1910	1850	1840	1800	1760	1720	1680	1635	1590	1500	1400
	Str 3/8 - Str 4/2	0.46	1272 AAC Narcissus	100	1910	1850	1840	1800	1760	1720	1680	1635	1590	1500	1400
	Str 4/2 - Str 4/7	0.26	1272 AAC Narcissus	100	1910	1850	1840	1800	1760	1720	1680	1635	1590	1500	1400
	Str 4/7 - Bremerton Tie(4/20)	0.57	1272 AAC Narcissus	100	1910	1850	1840	1800	1760	1720	1680	1635	1590	1500	1400
		3.44													
	Bremerton Tie (4/20) - U S Navy Station H	0.02	1272 AAC Narcissus	100	1910	1850	1840	1800	1760	1720	1680	1635	1590	1500	1400
		0.02													
		3.46													
115	**Kitsap/Bremerton - Bremerton/Puget Sound Naval Shipyard Tie**														
		0.06	1272 AAC Narcissus	50	1540	1460	1440	1380	1320	1260	1190	1115	1040	860	630
		0.06													
		0.06													
115	**Lane - Danebo(EWEB) 1**														
	? Line section is foreign owned, maximum operating temperature assumed.														
		3.87	795 AAC Arbutus	80 ?	1330	1280	1270	1240	1200	1170	1130	1090	1050	970	880
		3.87													
		3.87													
115	**Lane - Wendson 1**														
	& Amperage ratings based on Maintenance's agreement to monitor suspect compression fittings.														
	Lane - Str 1/2	0.11	1272 AAC Narcissus	100	1910	1850	1840	1800	1760	1720	1680	1635	1590	1500	1400
	Str 1/2 - Rainbow Valley Tap	0.75	1272 AAC Narcissus	100	1910	1850	1840	1800	1760	1720	1680	1635	1590	1500	1400
		0.86													
	Rainbow Valley Tap - Fern Ridge	5.57	4/0 ACSR Penguin	100 &	590	570	570	560	540	530	520	505	490	460	430
		5.57													
	Fern Ridge - Noti(PP&L)	2.76	4/0 ACSR Penguin	100 &	590	570	570	560	540	530	520	505	490	460	430
		2.76													
	Noti(PP&L) - Str 19/6	9.08	4/0 ACSR Penguin	100 &	590	570	570	560	540	530	520	505	490	460	430
	Str 19/6 - Str 19/11	0.36	4/0 ACSR Penguin	100 &	590	570	570	560	540	530	520	505	490	460	430
	Str 19/11 - Walton	0.14	4/0 ACSR Penguin	100 &	590	570	570	560	540	530	520	505	490	460	430
		9.58													
	Walton - Str 20/7	0.43	4/0 ACSR Penguin	100 &	590	570	570	560	540	530	520	505	490	460	430
	Str 20/7 - Str 33/8	13.76	4/0 ACSR Penguin	100 &	590	570	570	560	540	530	520	505	490	460	430
	Str 33/8 - Str 33/11	0.35	4/0 ACSR Penguin	100 &	590	570	570	560	540	530	520	505	490	460	430
	Str 33/11 - Mapleton	0.05	4/0 ACSR Penguin	100 &	590	570	570	560	540	530	520	505	490	460	430
		14.59													
	Mapleton - Str 34/1	0.05	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
	Str 34/1 - Str 34/5	0.47	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
	Str 34/5 - Str 41/5	7.27	266.8 ACSR Partridge	80	680	660	650	640	620	600	580	560	540	500	450
	Str 41/5 - Wendson	0.21	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
		8.00													
		41.36													
115	**Langlois - Tap (Bandon - Rogue 1)**														
		0.28	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
		0.28													
		0.28													
115	**LaPine - Fort Rock 1**														
	LaPine - Str 4/5	3.41	.915 in AACTW Mazama	100	1380	1330	1320	1290	1260	1240	1210	1180	1150	1080	1010
	Str 4/5 - Fort Rock	43.60	.951 in ACSRTW Toutle	100	1400	1360	1350	1320	1290	1260	1230	1200	1170	1100	1020
		47.01													
		47.01													

BONNEVILLE POWER ADMINISTRATION
TRANSMISSION LINE RATINGS

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KV	LINE LOCATION	LENGTH MILES	CONDUCTOR	Max. Oper Temp Deg. C	Allowable Amperage Ratings Ambient Air Temperature (Deg C) -30	-22	-20	-15	-10	-5	0	5	10	20	30
115	**Latham - Tap (Alvey - Drain 1)**														
	Latham - Str 2/6	0.56	.951 in ACSRTW Toutle	100	1400	1360	1350	1320	1290	1260	1230	1200	1170	1100	1020
	Str 2/6 - Tap	1.50	.951 in ACSRTW Toutle	100	1400	1360	1350	1320	1290	1260	1230	1200	1170	1100	1020
		2.06													
		2.06													
115	**Lexington - Delameter 1 (Cowlitz County PUD)**														
	Section 1	2.29	556.5 ACSR Dove	50	950	900	890	860	820	780	740	695	650	540	400
	Section 2	3.94	350 Cu 19 Str	50	870	820	810	780	750	710	670	630	590	500	380
		6.23													
		6.23													
115	**Lexington - Longview 1**														
	* Copper conductor current ratings limited to maximum value by annealing under ferris clamps.														
	Lexington - Str 2/8	2.25	556.5 ACSR Dove	100	1170	1130	1120	1100	1070	1050	1020	995	970	910	850
	Str 2/8 - Str 6/6	3.82	350 Cu 19 Str	100	1070	1030	1020	1000	980	960	940	915	890	830	780
	Str 6/6 - Pacific Way	0.08	350 Cu 19 Str	100	1070	1030	1020	1000	980	960	940	915	890	830	780
		6.15													
	Pacific Way - Str 6/7	0.13	350 Cu 19 Str	100	1070	1030	1020	1000	980	960	940	915	890	830	780
	Str 6/7 - Str 9/3	2.53	350 Cu 19 Str	100	1070	1030	1020	1000	980	960	940	915	890	830	780
	Str 9/3 - Str 9/5	0.21	350 Cu 19 Str	100	1070	1030	1020	1000	980	960	940	915	890	830	780
	Str 9/5 - Str 9/8	0.24	556.5 ACSR Dove	100	1170	1130	1120	1100	1070	1050	1020	995	970	910	850
	Str 9/8 - Longview	0.17	556.5 ACSR Dove	100	1170	1130	1120	1100	1070	1050	1020	995	970	910	850
		3.28													
		9.43													
115	**Libby - Libby (FEC) 1**														
	? Line section is foreign owned, maximum operating temperature assumed.														
	Libby - Twr 2/2	1.15	397.5 ACSR Lark	100	950	920	910	890	870	850	830	810	790	740	690
	Twr 2/2 - Str 13/5	11.10	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 13/5 - Libby(FEC)	0.01	397.5 ACSR Ibis	100 ?	940	910	900	880	860	850	830	805	780	740	690
		12.26													
		12.26													
115	**Longview - Allston 4**														
	Longview - Twr 1/1	0.04	1.1 in ACSRTW Rogue	100	1720	1660	1650	1620	1580	1550	1510	1470	1430	1350	1250
	Twr 1/1 - Twr 1/2	0.17	1.1 in ACSRTW Rogue	100	1720	1660	1650	1620	1580	1550	1510	1470	1430	1350	1250
	Twr 1/2 - Twr 2/1	0.85	2-250 Cu 12 Str	100	1740	1700	1680	1640	1600	1580	1540	1500	1460	1360	1280
	Twr 2/1 - Twr 2/2	0.25	1.1 in ACSRTW Rogue	100	1720	1660	1650	1620	1580	1550	1510	1470	1430	1350	1250
	Twr 2/2 - WA/OR Border	0.95	715.5 SSAC Redwing	150	1560	1528	1520	1500	1480	1460	1440	1415	1390	1350	1300
		2.26													
	WA/OR Brd - Donald Nys TP (CRPUD)	1.32	715.5 SSAC Redwing	150	1560	1528	1520	1500	1480	1460	1440	1415	1390	1350	1300
		1.32													
	Donald Nys TAP (Twr 4/2) - Twr 5/1	0.48	1272 ACSR Bittern	100	1940	1880	1870	1830	1790	1750	1700	1660	1620	1520	1420
	Twr 5/1 - Twr 5/2	0.20	1272 ACSR Bittern	100	1940	1880	1870	1830	1790	1750	1700	1660	1620	1520	1420
	Twr 5/2 - Allston 230	0.31	1272 ACSR Bittern	100	1940	1880	1870	1830	1790	1750	1700	1660	1620	1520	1420
		0.99													
	Allston 230 - Allston	0.03	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
		0.03													
		4.60													
115	**Longview - Cowlitz 1**														
	Longview - Twr 1/2	0.17	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
	Twr 1/2 - Cowlitz	3.44	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
		3.61													
		3.61													
115	**Longview - Dead End(2/1)**														
		1.13	250 Cu 19 Str	80	810	780	770	750	730	710	680	660	640	590	530
		1.13													
		1.13													
115	**Lookout Point - Alvey 1**														
	Lookout Point - Dexter Tap	2.37	556.5 ACSR Dove	100	1170	1130	1120	1100	1070	1050	1020	995	970	910	850
		2.37													
	Dexter Tap - Pleasant Hill Tap	6.74	556.5 ACSR Dove	100	1170	1130	1120	1100	1070	1050	1020	995	970	910	850
		6.74													
	Pleasant Hill Tap (PUD) - Alvey	6.66	556.5 ACSR Dove	100	1170	1130	1120	1100	1070	1050	1020	995	970	910	850
		6.66													
		15.77													
115	**Lookout Point - Alvey 2**														
	Lookout Point - Mt Vernon (SUB) Tap	14.10	556.5 ACSR Dove	100	1170	1130	1120	1100	1070	1050	1020	995	970	910	850
		14.10													
	Mt Vernon (SUB) Tap - Alvey	1.74	556.5 ACSR Dove	100	1170	1130	1120	1100	1070	1050	1020	995	970	910	850
		1.74													
		15.84													

BONNEVILLE POWER ADMINISTRATION
TRANSMISSION LINE RATINGS

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KV	LINE LOCATION	LENGTH MILES	CONDUCTOR	Max. Oper Temp Deg. C	Allowable Amperage Ratings Ambient Air Temperature (Deg C) -30	-22	-20	-15	-10	-5	0	5	10	20	30
115	**Lookout Point PH - Lookout Point Switching Station 1**														
		0.21	556.5 ACSR Dove	100	1170	1130	1120	1100	1070	1050	1020	995	970	910	850
		0.21													
		0.21													
115	**Lynch Creek - Tap (La Grande - Cowlitz (TCL) 1 & 2)**														
	Lynch Creek - Str 4/3	0.26	397.5 ACSR Ibis NL	100	940	910	900	880	860	850	830	805	780	740	690
	Str 4/3 - Str 3/6	1.08	397.5 ACSR Ibis NL	100	940	910	900	880	860	850	830	805	780	740	690
	Str 3/6 - Str 3/3	0.14	397.5 ACSR Ibis NL	100	940	910	900	880	860	850	830	805	780	740	690
	Str 3/3 - Str 2/4	0.92	397.5 ACSR Ibis NL	100	940	910	900	880	860	850	830	805	780	740	690
	Str 2/4 - Str 2/1	0.21	397.5 ACSR Ibis NL	100	940	910	900	880	860	850	830	805	780	740	690
	Str 2/1 - Tap	0.68	397.5 ACSR Ibis NL	100	940	910	900	880	860	850	830	805	780	740	690
		3.29													
		3.29													
115	**Macks Inn - Madison**														
	Macks Inn - Str 1/2	0.20	795 ACSR Drake NL	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
	Str 1/2 - Str 1/4	0.19	795 ACSR Drake NL	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
	Str 1/4 - Str 2/1	0.31	397.5 ACSR Lark NL	100	950	920	910	890	870	850	830	810	790	740	690
	Str 2/1 - ID/MT Border	7.86	795 ACSR Drake NL	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
		8.56													
	ID/MT Border - Madison	8.55	795 ACSR Drake NL	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
		8.55													
		17.11													
115	**McCullough - McCullough Tie (Brookdale Tap Line (TPU))**														
	McCullough - Tie	1.20	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
		1.20													
		1.20													
115	**McCullough - Tap (Alder - Cowlitz 2 (TPU))**														
	McCullough - Str 2/16 (Tie)	0.19	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 2/16 (Tie) - Tap	1.99	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
		2.18													
		2.18													
115	**McNary - Badger Canyon 1**														
	McNary - Twr 1/9	0.54	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
	Twr 1/9 - OR/WA Border	0.54	795 ACSR Mallard	100	1480	1430	1420	1390	1360	1330	1300	1265	1230	1160	1080
		1.08													
	OR/WA Border - Twr 1/12	0.42	795 ACSR Mallard	100	1480	1430	1420	1390	1360	1330	1300	1265	1230	1160	1080
	Twr 1/12 - CARMA (PUD)	0.08	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
		0.50													
	CARMA (PUD) - Str 2/3	0.11	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
	Str 2/3 - Berrian (PUD)	1.18	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
		1.29													
	Berrian (PUD) - H2F (PUD)	2.14	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
		2.14													
	H2F (PUD) - Twr 21/1	14.90	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Twr 21/1 - Twr 28/3	7.26	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
	Twr 28/3 - Badger Canyon	1.23	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
		23.39													
		28.40													
115	**McNary - Westland 1**														
	McNary - CH 1	0.21	954 ACSR Rail	100	1600	1550	1537	1504	1471	1437	1401	1397	1359	1279	1193
	Ch 1 - Umatilla GOAB	4.04	954 ACSR Rail	100	1600	1550	1537	1504	1471	1437	1401	1397	1359	1279	1193
		4.25													
	Umatilla GOAB - Rock Pile GOAB	1.12	954 ACSR Rail	100	1600	1550	1537	1504	1471	1437	1401	1397	1359	1279	1193
		1.12													
	Rock Pile GOAB - Pond GOAB	2.01	954 ACSR Rail	100	1600	1550	1537	1504	1471	1437	1401	1397	1359	1279	1193
		2.01													
	Pond GOAB - (US Gen Area)	4.17	954 ACSR Rail	100	1600	1550	1537	1504	1471	1437	1401	1397	1359	1279	1193
	(US Gen Area - Westland	0.38	954 ACSR Rail	100	1600	1550	1537	1504	1471	1437	1401	1397	1359	1279	1193
		4.55													
		11.93													
115	**McNary PH - McNary 6**														
		1.39	1272 ACSR Pheasant	100	1960	1900	1880	1840	1800	1760	1720	1675	1630	1530	1430
		1.39													
		1.39													
115	**Metaline Falls (POPD) - Tap (Colville - Boundary 1)**														
	Metaline Falls (POPD) - Str 1/1	0.95	4/0 ACSR Penguin	50	480	460	450	430	410	390	370	350	330	270	210
	Str 1/1 - Tap	0.12	1.3 in AACTW Hood	100	2120	2060	2040	2000	1950	1910	1860	1815	1770	1660	1550
		1.07													
		1.07													

BONNEVILLE POWER ADMINISTRATION
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115	**Midway - Benton 1**														
	Midway - Scooteney Tap	13.91	253 Cu GC LS 19238	80	840	810	800	780	760	740	710	685	660	610	550
		13.91													
	Scooteney Tap - Benton	14.85	253 Cu GC LS 19238	80	840	810	800	780	760	740	710	685	660	610	550
		14.85													
		28.76													
115	**Midway - Grandview 1**														
	& Amperage ratings based on Maintenance's agreement to monitor suspect compression fittings.														
	Midway - Cold Creek(PUD)	4.21	4/0 ACSR Penguin	100 &	590	570	570	560	540	530	520	505	490	460	430
		4.21													
	Cold Creek - Blackrock(REA)	4.55	4/0 ACSR Penguin	100 &	590	570	570	560	540	530	520	505	490	460	430
		4.55													
	Blackrock(REA) - Str 25/5	15.80	4/0 ACSR Penguin	100 &	590	570	570	560	540	530	520	505	490	460	430
	Str 25/5 - Str 25/9	0.45	4/0 ACSR Penguin	100 &	590	570	570	560	540	530	520	505	490	460	430
	Str 25/9 - Sunnyside Port T	0.01	4/0 ACSR Penguin	100 &	590	570	570	560	540	530	520	505	490	460	430
		16.26													
	Sunnyside Port T - Grandview	0.06	4/0 ACSR Penguin	100 &	590	570	570	560	540	530	520	505	490	460	430
		0.06													
		25.08													
115	**Midway - Moxee 1**														
	Midway - Rattlesnake	16.61	250 Cu PH D 1319 HSC	60	770	740	730	710	680	650	620	590	560	490	420
		16.61													
	Rattlesnake - Moxee	17.37	250 Cu PH D 1319 HSC	60	770	740	730	710	680	650	620	590	560	490	420
		17.37													
		33.98													
115	**Mountain Avenue - Tap (Oak Knoll - Ashland (Pacificorp))**														
	Mountain Ave - Tap	0.81	556.5 AAC Dahlia	50	930	880	870	840	800	760	720	675	630	530	400
		0.81													
		0.81													
115	**Moxee - Roza 1**														
		5.30	266.8 ACSR Partridge	50	600	570	560	540	510	490	460	435	410	340	260
		5.30													
		5.30													
115	**Mt Vernon (SUB) - Tap (Lookout Point - Alvey 2)**														
	? Line section is foreign owned, maximum operating temperature assumed.														
	Mt Vernon (SUB) - Str 5/2	0.05	1272 AAC Narcissus	100 ?	1910	1850	1840	1800	1760	1720	1680	1635	1590	1500	1400
	Str 5/2 - Twr 4/4	0.39	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
	Twr 4/4 - Twr 59/2	1.35	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
	Twr 59/2 - Twr 60/3	0.49	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
	Twr 60/3 - Twr 61/2	1.22	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
	Twr 61/2 - Tap	0.39	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
		3.89													
		3.89													
115	**Mt Vernon (SUB) Tap - Alvey**														
		0.98	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
		0.98													
		0.98													
115	**Naselle (BPA) - Naselle (PCPUD)**														
		0.05	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
		0.05													
		0.05													
115	**Naselle - Grays River**														
	Naselle - Twr 34/2	1.08	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
	Twr 34/2 - Twr 29/4	4.24	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
	Twr 29/4 - Twr 26/1	3.60	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
	Twr 26/1 - Grays River	0.71	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
		9.63													
		9.63													

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115	**Naselle - Tarlett (PACP) 1**														
	Naselle - Str 1/2	0.10	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
	Str 1/2 - Str 1/7	0.40	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
	Str 1/7 - Str 2/8	1.38	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
	Str 2/8 - Str 3/1	0.22	397.5 ACSR Lark	50	780	730	720	690	660	630	600	565	530	440	330
		2.10													
	Naselle River Crossing	0.17	397.5 ACSR Lark	50	780	730	720	690	660	630	600	565	530	440	330
		0.17													
	Str 3/2 - Str 3/3	0.09	397.5 ACSR Lark	50	780	730	720	690	660	630	600	565	530	440	330
	Str 3/3 - Str 3/8	0.50	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
	Str 3/8 - Str 3/9	0.06	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 3/9 - Str 6/2	2.19	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 6/2 - Str 6/5	0.32	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 6/5 - Str 6/7	0.22	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
	Str 6/7 - Str 7/1	0.33	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 7/1 - Str 13/2	6.04	266.8 ACSR Partridge	50	600	570	560	540	510	490	460	435	410	340	260
	Str 13/2 - Str 14/4	1.74	397.5 ACSR Ibis	50	770	730	720	690	660	630	600	560	520	440	330
	Str 14/4 - Str 15/6	0.51	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 15/6 - Str 15/7	0.13	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 15/7 - Str 16/11	1.12	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 16/11 - Str 17/1	0.04	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
	Str 17/1 - Hagen (PCPUD)Tap (Str 17/8)	0.30	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
		13.59													
	Hagen (PCPUD) Tap (Str 17/8) - Str 17/9	0.02	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
	Str 17/9 - Tarlett (PCPUD)	0.01	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
		0.03													
		15.89													
115	**Naselle - Tarlett (PACP) 2**														
	Naselle - Str 1/2	0.10	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 1/2 - Str 1/7	0.44	397.5 ACSR Ibis	50	770	730	720	690	660	630	600	560	520	440	330
	Str 1/7 - Str 3/1	1.59	397.5 ACSR Ibis	50	770	730	720	690	660	630	600	560	520	440	330
		2.13													
	Naselle River Crossing	0.17	397.5 ACSR Ibis	50	770	730	720	690	660	630	600	560	520	440	330
		0.17													
	Str 3/2 - Str 3/9	0.63	397.5 ACSR Ibis	50	770	730	720	690	660	630	600	560	520	440	330
	Str 3/9 - Str 6/2	2.19	397.5 ACSR Ibis	50	770	730	720	690	660	630	600	560	520	440	330
	Str 6/2 - Str 10/7	4.51	397.5 ACSR Ibis	50	770	730	720	690	660	630	600	560	520	440	330
	Str 10/7 - Str 11/6	1.24	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 11/6 - Hagan Tap (PCPUD)	2.16	397.5 ACSR Ibis	50	770	730	720	690	660	630	600	560	520	440	330
		10.73													
	Hagan Tap (PCPUD) - Str 15/2	1.05	397.5 ACSR Ibis	50	770	730	720	690	660	630	600	560	520	440	330
	Str 15/2 - Str 15/9	0.37	397.5 ACSR Ibis	80	880	850	840	820	790	770	750	725	700	640	580
	Str 15/9 - Str 15/10	0.15	397.5 ACSR Ibis	80	880	850	840	820	790	770	750	725	700	640	580
	Str 15/10 - Str 16/16	1.10	397.5 ACSR Ibis	80	880	850	840	820	790	770	750	725	700	640	580
	Str 16/16 - Str 16/17	0.12	397.5 ACSR Ibis	80	880	850	840	820	790	770	750	725	700	640	580
	Str 16/17 - Str 17/17	0.88	397.5 ACSR Ibis	80	880	850	840	820	790	770	750	725	700	640	580
	Str 17/17 - Tarlett (PCPUD)	0.61	397.5 ACSR Ibis	80	880	850	840	820	790	770	750	725	700	640	580
		4.28													
		17.31													
115	**Nespelem (NVEC) - Tap (Grand Coulee - Okanogan 2)**														
		10.20	3/0 ACSR Pigeon	50	420	400	390	380	360	340	320	305	290	240	190
		10.20													
		10.20													
115	**North Camas - Camas (Clark PUD) 1**														
	North Camas - Ch1	0.07	795 AAC Arbutus	100	1430	1380	1370	1340	1310	1280	1250	1220	1190	1120	1040
	Ch1 - Camas (Clark PUD)	1.58	4/0 ACSR Penguin	100	590	570	570	560	540	530	520	505	490	460	430
		1.65													
		1.65													
115	**North Camas - Sifton 1**														
	North Camas - Twr 8/3	7.51	500 Cu 37 Str	60	1140	1090	1080	1040	1000	960	920	875	830	730	610
	Twr 8/3 - Sifton	0.21	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
		7.72													
		7.72													
115	**Norway - Tap (Bandon - Fairview 1)**														
		0.01	266.8 ACSR Partridge	50	600	570	560	540	510	490	460	435	410	340	260
		0.01													
		0.01													
115	**Oak Knoll - Ashland 1 (Pacificorp line)**														
	Oak Knoll - 3/3	0.85	397.5 ACSR Ibis	50	770	730	720	690	660	630	600	560	520	440	330
	3/3 - 7/7 Tap (Mountain Ave.)	4.19	556.5 AAC Dahlia	50	930	880	870	840	800	760	720	675	630	530	400
	7/7 Tap (MTN Ave) - Ashland	0.33	556.5 AAC Dahlia	50	930	880	870	840	800	760	720	675	630	530	400
		5.37													
		5.37													

BONNEVILLE POWER ADMINISTRATION
TRANSMISSION LINE RATINGS

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RDH and TKL / TOP

KV	LINE LOCATION	LENGTH MILES	CONDUCTOR	Max. Oper Temp Deg. C	Allowable Amperage Ratings Ambient Air Temperature (Deg C) -30	-22	-20	-15	-10	-5	0	5	10	20	30
115	**Odessa - Odessa(AVA)**														
		0.03	4/0 ACSR Penguin	50	480	460	450	430	410	390	370	350	330	270	210
		0.03													
		0.03													
115	**Okanogan - East Omak 1**														
Okanogan - Str 1/1		0.09	1/0 Cu 7 Str	100	500	480	480	470	460	450	430	420	410	390	360
Str 1/1 - Str 6/5		5.05	1/0 F Cu W Cu (6/1)	100	480	460	460	450	440	430	420	410	400	370	350
Str 6/5 - Str 7/12		0.91	556.5 ACSR Dove	80	1090	1050	1040	1010	980	960	930	895	860	790	720
Str 7/12 - East Omak		0.14	556.5 ACSR Dove	80	1090	1050	1040	1010	980	960	930	895	860	790	720
		6.19													
		6.19													
115	**Olympia - Cosmopolis 1**														
	& Amperage ratings based on Maintenance's agreement to monitor suspect compression fittings.														
Olympia - South Elma		21.15	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
		21.15													
South Elma - Satsop Construction		4.96	4/0 ACSR Penguin	100 &	590	570	570	560	540	530	520	505	490	460	430
		4.96													
Satsop Construction - Aberdeen Tap		5.85	4/0 ACSR Penguin	100 &	590	570	570	560	540	530	520	505	490	460	430
		5.85													
Aberdeen Tap - Str 41/6		9.12	4/0 ACSR Penguin	100 &	590	570	570	560	540	530	520	505	490	460	430
Str 41/6 - Cosmopolis		0.09	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
		9.21													
		41.17													
115	**Olympia - Shelton 1**														
Olympia - Str 1/5		0.48	397.5 ACSR Ibis	80	880	850	840	820	790	770	750	725	700	640	580
Str 1/5 - Str 12/3		11.12	397.5 ACSR Ibis	80	880	850	840	820	790	770	750	725	700	640	580
Str 12/3 - Str 12/4		0.23	397.5 ACSR Ibis	80	880	850	840	820	790	770	750	725	700	640	580
Str 12/4 - Dayton Tap (Mason 3)		6.13	397.5 ACSR Ibis	80	880	850	840	820	790	770	750	725	700	640	580
		17.96													
Dayton Tap - Str 19/6		1.23	397.5 ACSR Ibis	80	880	850	840	820	790	770	750	725	700	640	580
Str 19/6 - Shelton		0.56	397.5 ACSR Ibis	80	880	850	840	820	790	770	750	725	700	640	580
		1.79													
		19.75													
115	**Olympia - Shelton 2**														
Olympia - Str 1/2		0.13	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
Str 1/2 - Twr 1/3		0.12	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
Twr 1/3 - Twr 6/1		4.92	1272 ACSR Bittern	100	1940	1880	1870	1830	1790	1750	1700	1660	1620	1520	1420
Twr 6/1 - Twr 7/2		1.12	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
Twr 7/2 - Str 9/1		1.75	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
Str 9/1 - Twr 12/3		3.57	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
Twr 12/3 - Twr 12/4		0.23	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
Twr 12/4 - Skookum (13/3)		0.93	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
		12.77													
Skookum (13/3) - Str 19/6		6.41	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
		6.41													
Str 19/6 - Shelton		0.55	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
		0.55													
		19.73													
115	**Oregon City - Chemawa 1 (De-Energized)**														
Oregon City - Str 1/7		0.58	350 Cu PH D 1319	80	1000	970	960	940	910	880	850	825	800	730	660
Str 1/7 - Str 3/13		2.01	250 Cu PH D 1319 HSC	70	810	770	760	740	720	700	670	645	620	560	490
Str 3/13 - Str 4/1		0.37	397.5 ACSR Ibis	80	880	850	840	820	790	770	750	725	700	640	580
Str 4/1 - Str 4/4		0.25	250 Cu PH D 1319 HSC	80	840	810	800	780	760	740	710	685	660	610	550
Str 4/4 - Str 6/11		2.29	250 Cu PH D 1319 HSC	80	840	810	800	780	760	740	710	685	660	610	550
Str 6/11 - Str 13/9		6.95	250 Cu PH D 1319 HSC	50	730	690	680	660	630	600	570	535	500	420	320
Str 13/9 - Str 14/3		0.61	250 Cu PH D 1319 HSC	50	730	690	680	660	630	600	570	535	500	420	320
Str 14/3 - Str 26/3		11.97	250 Cu PH D 1319 HSC	50	730	690	680	660	630	600	570	535	500	420	320
Str 26/3 - Chemawa		0.12	250 Cu PH D 1319 HSC	50	730	690	680	660	630	600	570	535	500	420	320
		25.15													
		25.15													

BONNEVILLE POWER ADMINISTRATION
TRANSMISSION LINE RATINGS

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KV	LINE LOCATION	LENGTH MILES	CONDUCTOR	Max. Oper Temp Deg. C	Allowable Amperage Ratings Ambient Air Temperature (Deg C) -30	-22	-20	-15	-10	-5	0	5	10	20	30
115	**Oregon City - Chemawa 2**														
	* Copper conductor current ratings limited to maximum value by annealing under ferris clamps.														
	Oregon City - Str 1/7	0.58	250 Cu PH D 1319 HSC	100	890	870	860	840	820	810	790	765	740	700	650
	Str 1/7 - Str 3/12	2.02	250 Cu PH D 1319 HSC	100	890	870	860	840	820	810	790	765	740	700	650
	Str 3/12 - Str 3/15	0.36	397.5 ACSR Ibis	70	850	810	800	780	750	730	700	675	650	580	510
	Str 3/15 - Str 4/3	0.26	250 Cu 19 Str	100	860	840	830	810	790	770	750	730	710	670	630
	Str 4/3 - Str 7/12	3.40	350 Cu 19 Str	100	1070	1030	1020	1000	980	960	940	915	890	830	780
	Str 7/12 - Fargo (PGE)	0.04	556.5 ACSR Dove	100	1170	1130	1120	1100	1070	1050	1020	995	970	910	850
		6.66													
	Fargo (PGE) - Str 7/15	0.04	556.5 ACSR Dove	100	1170	1130	1120	1100	1070	1050	1020	995	970	910	850
	Str 7/15 - Str 23/13	15.96	350 Cu 19 Str	100	1070	1030	1020	1000	980	960	940	915	890	830	780
	Str 23/13 - Str 24/13	1.08	250 Cu 19 Str	100	860	840	830	810	790	770	750	730	710	670	630
	Str 24/13 - Str 25/14	0.99	350 Cu 19 Str	100	1070	1030	1020	1000	980	960	940	915	890	830	780
	Str 25/14 Str 25/23	0.42	350 Cu 19 Str	100	1070	1030	1020	1000	980	960	940	915	890	830	780
	Str 25/23 - Str 25/24	0.04	350 Cu 19 Str	100	1070	1030	1020	1000	980	960	940	915	890	830	780
	Str 25/24 - Chemawa	0.02	350 Cu 19 Str	100	1070	1030	1020	1000	980	960	940	915	890	830	780
		18.55													
		25.21													
115	**Oregon City - Sherwood(PGE) 1 (Non-Operating)**														
	? Line section is foreign owned, maximum operating temperature assumed.														
	Str 20/7 - Twr 17/1	0.04	795 AAC Arbutus	50	1160	1100	1080	1040	990	950	900	840	780	650	480
	Twr 17/1 - Twr 17/5	0.73	1272 AAC Narcissus	50 ?	1540	1460	1440	1380	1320	1260	1190	1115	1040	860	630
	Twr 17/5 - Sherwood	0.18	795 AAC Arbutus	50	1160	1100	1080	1040	990	950	900	840	780	650	480
		0.95													
		0.95													
115	**Oregon City - Tap (St Johns - Keeler 2)(Leased to PGE)**														
	? Line section is foreign owned, maximum operating temperature assumed.														
	Oregon City - Str 20/7 Open	3.53	350 Cu PH D 1319	50	880	830	820	790	750	720	680	640	600	500	380
	Str 20/7 - PGE Tap	11.12	350 Cu PH D 1319	50 ?	880	830	820	790	750	720	680	640	600	500	380
		14.65													
	PGE Tap - Str 6/10 Open	2.49	350 Cu PH D 1319	50 ?	880	830	820	790	750	720	680	640	600	500	380
	Str 6/10 - Str 6/9	0.16	350 Cu PH D 1319	50	880	830	820	790	750	720	680	640	600	500	380
		2.65													
		17.30													
115	**Palisades - Goshen 1**														
		51.71	556.5 ACSR Dove	100	1170	1130	1120	1100	1070	1050	1020	995	970	910	850
		51.71													
		51.71													
115	**Palisades - Snake River**														
	? Line section is foreign owned, maximum operating temperature assumed.														
	Palisades - ID/WY Border	12.60	954 ACSR Cardinal	80 ?	1517	1459	1444	1406	1366	1326	1284	1240	1195	1097	989
		12.60													
	ID/WY Border - Clingers Corner	3.46	954 ACSR Cardinal	80 ?	1517	1459	1444	1406	1366	1326	1284	1240	1195	1097	989
		3.46													
	Clingers Corner - Snake River	1.40	556.5 ACSR Dove	80 ?	1090	1050	1040	1010	980	960	930	895	860	790	720
		1.40													
		17.46													
115	**Palisades - Swan Valley 1**														
	Palisades - Str 13/2	12.32	556.5 ACSR Dove	80	1090	1050	1040	1010	980	960	930	895	860	790	720
	Str 13/2 - Swan Valley	0.16	556.5 ACSR Dove	80	1090	1050	1040	1010	980	960	930	895	860	790	720
		12.48													
		12.48													
115	**Parker (BLC) - Tap(Albany - Eugene)**														
		0.06	266.8 ACSR Partridge	50	600	570	560	540	510	490	460	435	410	340	260
		0.06													
		0.06													
115	**Pennwalt - Tap (Harborton - Station E(PGE))**														
		0.43	4/0 Cu 7 Str	100	770	750	740	730	710	700	680	660	640	610	570
		0.43													
		0.43													

BONNEVILLE POWER ADMINISTRATION
TRANSMISSION LINE RATINGS

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KV	LINE LOCATION	LENGTH MILES	CONDUCTOR	Max. Oper Temp Deg. C	Allowable Amperage Ratings Ambient Air Temperature (Deg C) -30	-22	-20	-15	-10	-5	0	5	10	20	30
115	**Pine Street (Pend) - Rathdrum (AVA)**														
	Pinestreet - CH 2	0.06	795 ACSR Drake	100 ?	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
	CH 2 - CH 3	1.08	556.5 ACSR Dove	100 ?	1170	1130	1120	1100	1070	1050	1020	995	970	910	850
	CH 3 - Blanchard	5.51	556.5 ACSR Dove	100 ?	1170	1130	1120	1100	1070	1050	1020	995	970	910	850
		6.65													
	Blanchard - Hoo Doo Tap	6.50	556.5 ACSR Dove	100 ?	1170	1130	1120	1100	1070	1050	1020	995	970	910	850
		6.50													
	Hoo Doo Tap - Spirit Lake Tap	6.41	556.5 ACSR Dove	100 ?	1170	1130	1120	1100	1070	1050	1020	995	970	910	850
		6.41													
	Spirit Lake Tap - Athol (KEC & NLI) Tap	2.02	556.5 ACSR Dove	100 ?	1170	1130	1120	1100	1070	1050	1020	995	970	910	850
		2.02													
	Athol (KEC & NLI) Tap - Scarcello Tap	5.56	556.5 ACSR Dove	100 ?	1170	1130	1120	1100	1070	1050	1020	995	970	910	850
		5.56													
	Scarcello Tap - CH 4	4.99	556.5 ACSR Dove	100 ?	1170	1130	1120	1100	1070	1050	1020	995	970	910	850
	CH 4 - CH 5	0.22	556.5 AAC Dahlia	100 ?	1140	1100	1090	1070	1050	1030	1000	975	950	890	830
	CH 5 - CH 6	0.81	556.5 AAC Dahlia	100 ?	1140	1100	1090	1070	1050	1030	1000	975	950	890	830
	CH 6 - Rathdrum	0.12	556.5 AAC Dahlia	100 ?	1140	1100	1090	1070	1050	1030	1000	975	950	890	830
		6.14													
		33.28													
115	**Pinestreet - USK(PUD) 1**														
		15.10	795 ACSR Drake	80	1370	1310	1300	1270	1230	1200	1160	1120	1080	990	900
		15.10													
		15.10													
115	**Pomeroy - Tap (Walla Walla - North Lewiston AVA 1)**														
		0.06	250 Cu Anac 902R1	50	730	690	680	660	630	600	570	535	500	420	320
		0.06													
		0.06													
115	**Port Angeles - Sappho 1**														
		42.03	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
		42.03													
		42.03													
115	**Potlatch - Tap (Shelton - Fairmount 1)**														
		0.03	266.8 ACSR Partridge	50	600	570	560	540	510	490	460	435	410	340	260
		0.03													
		0.03													
115	**Priest River - Tap (Albeni Falls - Bonners Ferry 1)**														
		3.05	266.8 ACSR Partridge	50	600	570	560	540	510	490	460	435	410	340	260
		3.05													
		3.05													
115	**Prosser (BPUD) - Tap (Grandview - Richland 1)**														
		6.34	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
		6.34													
		6.34													
115	**Radar (USBR) - Tap (Scooteney Tap Line)**														
		1.94	4/0 ACSR Penguin	50	480	460	450	430	410	390	370	350	330	270	210
		1.94													
		1.94													
115	**Rainbow Valley - Tap (Lane - Wendson 1)**														
		3.29	266.8 ACSR Partridge	50	600	570	560	540	510	490	460	435	410	340	260
		3.29													
		3.29													
115	**Ralston - Tap (East Colfax - Lind(AVA) Line)**														
	Ralston - Str 9/5	0.70	266.8 ACSR/AW Partridge	100	730	710		690	670	660				570	530
	Str 9/5 - Tap	5.24	266.8 ACSR/AW Partridge	100	730	710		690	670	660				570	530
		5.94													
		5.94													

BONNEVILLE POWER ADMINISTRATION
TRANSMISSION LINE RATINGS

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115	**Rathdrum - Post Falls 1**														
	? Line section is foreign owned, maximum operating temperature assumed.														
	Rathdrum - CH 1	0.13	556.5 AAC Dahlia	75 ?	1045	1005	995	965	935	905	875	843	810	745	660
	CH 1 - CH 2	0.81	556.5 AAC Dahlia	75 ?	1045	1005	995	965	935	905	875	843	810	745	660
	CH 2 - CH 3	0.06	556.5 AAC Dahlia	75 ?	1045	1005	995	965	935	905	875	843	810	745	660
	CH 3 - CH 4	3.99	556.5 ACSR Dove	75 ?	1070	1025	1015	985	955	930	900	865	830	755	675
	CH 4 - CH 5	0.58	556.5 ACSR Parakeet	75 ?	1065	1025	1015	985	955	925	895	863	830	755	670
	CH 5 - Appleway Tap	0.63	556.5 AAC Dahlia	75 ?	1045	1005	995	965	935	905	875	843	810	745	660
		6.20													
	Appleway Tap - Prairie (KEC & AVA)	2.58	250 Cu 19 Str	75 ?	790	760	750	730	710	690	660	638	615	565	500
		2.58													
	Prairie (KEC & AVA) - CH 6	2.94	250 Cu 19 Str	75 ?	790	760	750	730	710	690	660	638	615	565	500
	CH 6 - CH 7	1.08	397.5 ACSR Ibis	75 ?	865	830	820	800	770	750	725	700	675	610	545
	CH 7 - CH 8	0.23	556.5 ACSR Parakeet	75 ?	1065	1025	1015	985	955	925	895	863	830	755	670
	CH 8 - Post Falls	0.16	556.5 AAC Dahlia	75 ?	1045	1005	995	965	935	905	875	843	810	745	660
		4.41													
		13.19													
115	**Raymond - Cosmopolis 1**														
	Raymond - Twr 167	18.14	4/0 Cu 7 Str	50	640	600	590	570	550	520	490	460	430	370	280
	Twr 167 - Cosmopolis	0.19	4/0 Cu 7 Str	50	640	600	590	570	550	520	490	460	430	370	280
		18.33													
		18.33													
115	**Raymond - Henkle Street**														
	Raymond - Twr 1/2 (Jumpers)	0.08	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
		0.08													
	Twr 1/2 - Twr 2/3	1.32	4/0 Cu 7 Str	50	640	600	590	570	550	520	490	460	430	370	280
	Twr 2/3 - Twr 2/4 (end BPA)	0.12	4/0 Cu 7 Str	50	640	600	590	570	550	520	490	460	430	370	280
		1.44													
	Twr 2/4 - Henkle Street (PCPUD)	0.84	795 AAC Arbutus	50	1160	1100	1080	1040	990	950	900	840	780	650	480
		0.84													
		2.36													
115	**Raymond - Willapa River (PAC PUD) 1**														
	Raymond - Str 4/3	3.32	4/0 ACSR Penguin	80	550	530	520	510	500	490	470	450	430	400	360
	Str 4/3 - Str 4/6	0.51	397.5 ACSR Lark	50	780	730	720	690	660	630	600	565	530	440	330
	Str 4/6 - Willapa River (PAC PUD)	0.68	4/0 ACSR Penguin	100	590	570	570	560	540	530	520	505	490	460	430
		4.51													
		4.51													
115	**Redmond - Harney 1**														
	Redmond - Str 1/7	0.67	397.5 ACSR Ibis	80	880	850	840	820	790	770	750	725	700	640	580
	Str 1/7 - Str 9/3 PP&L Tie	7.58	397.5 ACSR Ibis	80	880	850	840	820	790	770	750	725	700	640	580
		8.25													
	Tie - Christmas Valley(Coop)	46.66	397.5 ACSR Ibis	80	880	850	840	820	790	770	750	725	700	640	580
		46.66													
	Christmas Valley - Hampton(Coop)	2.36	397.5 ACSR Ibis	80	880	850	840	820	790	770	750	725	700	640	580
		2.36													
	Hampton - Riley(Coop)	46.54	397.5 ACSR Ibis	80	880	850	840	820	790	770	750	725	700	640	580
		46.54													
	Riley(Coop) - Str 125/4	21.14	397.5 ACSR Ibis	80	880	850	840	820	790	770	750	725	700	640	580
	Str 125/4 - Harney	0.61	397.5 ACSR Ibis	80	880	850	840	820	790	770	750	725	700	640	580
		21.75													
		125.56													
115	**Reedsport - Fairview 1**														
	Reedsport - Str 1/7	0.49	266.8 ACSR Partridge	80	680	660	650	640	620	600	580	560	540	500	450
	Str 1/7 - Lakeside(PUD)	8.86	266.8 ACSR Partridge	80	680	660	650	640	620	600	580	560	540	500	450
		9.35													
	Lakeside(PUD) - Hauser	3.94	266.8 ACSR Partridge	80	680	660	650	640	620	600	580	560	540	500	450
		3.94													
	Hauser - Glasgow(Central Lincoln)	5.81	266.8 ACSR Partridge	80	680	660	650	640	620	600	580	560	540	500	450
		5.81													
	Glasgow(PUD) - Str 28/1	7.73	266.8 ACSR Partridge	80	680	660	650	640	620	600	580	560	540	500	450
	Str 28/1 - Str 29/5	1.57	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 29/5 - Str 29/6	0.25	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 29/6 - Str 30/5	0.88	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 30/5 - Str 31/1	0.48	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 31/1 - Str 31/2	0.30	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 31/2 - Sumner (34/1)	2.81	266.8 ACSR Partridge	80	680	660	650	640	620	600	580	560	540	500	450
		14.02													
	Sumner (34/1) - Str 35/1	1.38	266.8 ACSR Partridge	80	680	660	650	640	620	600	580	560	540	500	450
	Str 35/1 - Str 35/2	0.59	795 ACSR Drake	80	1370	1310	1300	1270	1230	1200	1160	1120	1080	990	900
	Str 35/2 - Str 38/7	2.90	266.8 ACSR Partridge	80	680	660	650	640	620	600	580	560	540	500	450
	Str 38/7 - Str 39/1	0.11	266.8 ACSR Partridge	80	680	660	650	640	620	600	580	560	540	500	450
	Str 39/1 - Fairview	0.38	397.5 ACSR Ibis	80	880	850	840	820	790	770	750	725	700	640	580
		5.36													
		38.48													

BONNEVILLE POWER ADMINISTRATION
TRANSMISSION LINE RATINGS

KV	LINE LOCATION	LENGTH MILES	CONDUCTOR	Max. Oper Temp Deg. C	Allowable Amperage Ratings Ambient Air Temperature (Deg C) -30	-22	-20	-15	-10	-5	0	5	10	20	30
115	**Ritzville - Tap (AVA)**														
		0.02	266.8 ACSR Partridge	50	600	570	560	540	510	490	460	435	410	340	260
		0.02													
		0.02													
115	**Rogue - Gold Beach 1**														
Rogue - Str 1/4		0.21	1272 ACSR Bittern	100	1940	1880	1870	1830	1790	1750	1700	1660	1620	1520	1420
Str 1/4 - Str 5/2		3.38	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
Str 5/2 - Str 5/3		0.52	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
Str 5/3 - Str 6/4		0.89	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
Twr 6/4 - Str 6/6		0.44	556.5 ACSR Dove	100	1170	1130	1120	1100	1070	1050	1020	995	970	910	850
Twr 6/6 - Gold Beach		0.03	556.5 ACSR Dove	100	1170	1130	1120	1100	1070	1050	1020	995	970	910	850
		5.47													
		5.47													
115	**Rogue - Gold Beach 2**														
Rogue - Str 1/5		0.23	1272 ACSR Bittern	80	1810	1740	1720	1680	1630	1590	1540	1485	1430	1310	1190
Str 1/5 - Str 5/1		3.43	397.5 ACSR Ibis	50	770	730	720	690	660	630	600	560	520	440	330
Str 5/1 - Str 5/2		0.49	556.5 ACSR Dove	50	950	900	890	860	820	780	740	695	650	540	400
Str 5/2 - Twr 6/4		0.87	397.5 ACSR Ibis	50	770	730	720	690	660	630	600	560	520	440	330
Twr 6/4 - Coos Curry Tap (6/6)		0.44	556.5 ACSR Dove	50	950	900	890	860	820	780	740	695	650	540	400
		5.46													
Coos Curry Tap - Gold Beach		0.03	556.5 ACSR Dove	50	950	900	890	860	820	780	740	695	650	540	400
		0.03													
		5.49													
115	**Ross - Alcoa 1**														
Twr 4/2 - Twr 4/8		0.94	556.5 ACSR Dove	100	1170	1130	1120	1100	1070	1050	1020	995	970	910	850
		0.94													
		0.94													
115	**Ross - Alcoa 2**														
Ross - Twr 1/2 (Jump 4)		0.23	1.3 in AACTW Hood	100	2120	2060	2040	2000	1950	1910	1860	1815	1770	1660	1550
Twr 1/2 (Jump 4) - Twr 4/2		2.97	556.5 ACSR Dove	100	1170	1130	1120	1100	1070	1050	1020	995	970	910	850
Twr 4/2 - Twr 4/9		0.95	556.5 ACSR Dove	100	1170	1130	1120	1100	1070	1050	1020	995	970	910	850
Twr 4/9 - Alcoa		0.06	1.3 in AACTW Hood	100	2120	2060	2040	2000	1950	1910	1860	1815	1770	1660	1550
		4.21													
		4.21													
115	**Ross - Alcoa 4**														
Twr 1/1 - Twr 1/3 (Jump 4)		0.04	1272 ACSR Pheasant	100	1960	1900	1880	1840	1800	1760	1720	1675	1630	1530	1430
Twr 1/3 - Twr 2/1		0.91	1272 ACSR Pheasant	100	1960	1900	1880	1840	1800	1760	1720	1675	1630	1530	1430
Twr 2/1 - Twr 3/3		1.18	1272 ACSR Pheasant	100	1960	1900	1880	1840	1800	1760	1720	1675	1630	1530	1430
Twr 3/3 - Twr 4/2		0.91	1272 ACSR Pheasant	100	1960	1900	1880	1840	1800	1760	1720	1675	1630	1530	1430
Twr 4/2 - Twr 4/8		0.94	1272 ACSR Pheasant	100	1960	1900	1880	1840	1800	1760	1720	1675	1630	1530	1430
		3.98													
		3.98													
115	**Ross - Carborundum (Clark PUD) 1**														
Ross - Twr 1/2		0.23	1.3 in AACTW Hood	100	2120	2060	2040	2000	1950	1910	1860	1815	1770	1660	1550
Twr 1/2 - Twr 4/2		2.97	556.5 ACSR Dove	50	950	900	890	860	820	780	740	695	650	540	400
Twr 4/2 - Str 4/3		0.01	556.5 ACSR Dove	50	950	900	890	860	820	780	740	695	650	540	400
Str 4/3 - Str 4/5		0.16	350 Cu PH D 1319	50	880	830	820	790	750	720	680	640	600	500	380
Str 4/5 - Carborundum (Clark PUD)		0.95	556.5 ACSR Dove	50	950	900	890	860	820	780	740	695	650	540	400
		4.32													
		4.32													
115	**Ross - Clark County PUD 1**														
	? Line section is foreign owned, maximum operating temperature assumed.														
Ross - CH 1		0.11	350 Cu PH D 1319	80	1000	970	960	940	910	880	850	825	800	730	660
CH 1 - Tap		0.09	250 Cu 19 Str	50 ?	710	670	660	640	610	580	550	515	480	400	310
		0.20													
		0.20													
115	**Ross - Clark County PUD 2**														
		0.12	350 Cu PH D 1319	50	880	830	820	790	750	720	680	640	600	500	380
		0.12													
		0.12													

BONNEVILLE POWER ADMINISTRATION
TRANSMISSION LINE RATINGS

Prepared by
RDH and TKL / TOP

KV	LINE LOCATION	LENGTH MILES	CONDUCTOR	Max. Oper Temp Deg. C	Allowable Amperage Ratings Ambient Air Temperature (Deg C) -30	-22	-20	-15	-10	-5	0	5	10	20	30
115	**Ross - VanCouver Shipyard (Clark PUD) 1**														
	Ross - Twr 1/2	0.13	500 Cu 37 Str	70	1200	1140	1130	1100	1070	1030	990	955	920	830	730
	Twr 1/2 - Str 1/4	0.10	795 ACSR Drake	70	1310	1250	1240	1210	1170	1130	1090	1045	1000	900	790
	Str 1/4 - Str 1/9	0.30	795 ACSR Drake	70	1310	1250	1240	1210	1170	1130	1090	1045	1000	900	790
	Str 1/9 - Grand Avenue (PUD)	0.31	795 ACSR Drake	70	1310	1250	1240	1210	1170	1130	1090	1045	1000	900	790
		0.84													
	Grand Avenue - Str 4/9	2.41	795 ACSR Drake	70	1310	1250	1240	1210	1170	1130	1090	1045	1000	900	790
	Str 4/9 - Mill Plain (Clark PUD)	0.42	795 ACSR Drake	70	1310	1250	1240	1210	1170	1130	1090	1045	1000	900	790
		2.83													
	Mill Plain (Clark PUD) - Str 5/4	0.13	250 Cu 19 Str	70	770	740	730	710	690	670	640	615	590	540	470
	Str 5/4 - Str 5/14	0.67	250 Cu 19 Str	70	770	740	730	710	690	670	640	615	590	540	470
	Str 5/14 - VanCouver Shipyard (Clark PUD)	0.26	397.5 ACSR Ibis	70	850	810	800	780	750	730	700	675	650	580	510
		1.06													
		4.73													
115	**Sacajawea - Sun Harbor 1**														
		2.14	397.5 ACSR Ibis	50	770	730	720	690	660	630	600	560	520	440	330
		2.14													
		2.14													
115	**Sacajawea - Tap (Ice Harbor - Franklin 2)**														
	Sacajawea - Str 1/2	0.38	2-1272 AAC Narcissus	80	3560	3440	3400	3320	3220	3120	3020	2920	2820	2600	2340
	Str 1/2 - Tap	0.14	1780 ACSR Chukar	80	2220	2140	2120	2070	2010	1950	1890	1825	1760	1610	1450
		0.52													
		0.52													
115	**Sacheen - Albeni Falls 1**														
	Sacheen - Str 1/5	0.55	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
	Str 1/5 - Diamond Lake Tap (PUD)	5.07	795 ACSR Drake	60	1260	1200	1180	1140	1100	1060	1010	960	910	800	660
		5.62													
	Diamond Lake Tap - WA/ID Border	5.52	795 ACSR Drake	80	1370	1310	1300	1270	1230	1200	1160	1120	1080	990	900
		5.52													
	WA/ID Border - Str 14/4	1.96	795 ACSR Drake	80	1370	1310	1300	1270	1230	1200	1160	1120	1080	990	900
	Str 14/4 - Str 14/6	0.31	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
	Str 14/6 - Str 14/11	0.21	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
	Str 14/11 - Albeni Falls	0.11	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
		2.59													
		13.73													
115	**Sagehill - Tap (Scooteney Tap Line)**														
	? Line section is foreign owned, maximum operating temperature assumed.														
		3.15	336.4 AAC Tulip	50 ?	680	640	630	610	580	560	530	495	460	390	290
		3.15													
		3.15													
115	**Salem - Albany 1**														
	* Copper conductor current ratings limited to maximum value by annealing under ferris clamps.														
	Salem - Str 2/1	0.51	397.5 ACSR Ibis	50	770	730	720	690	660	630	600	560	520	440	330
	Str 2/1 - Str 14/5	12.25	397.5 ACSR Ibis	50	770	730	720	690	660	630	600	560	520	440	330
	Str 14/5 - Str 14/8	0.39	397.5 ACSR Ibis	50	770	730	720	690	660	630	600	560	520	440	330
	Str 14/8 - Conser Tap PP&L	4.41	397.5 ACSR Ibis	50	770	730	720	690	660	630	600	560	520	440	330
		17.56													
	Conser Tap PP&L - Str 22/5	3.43	397.5 ACSR Ibis	50	770	730	720	690	660	630	600	560	520	440	330
	Str 22/5 - Str 23/7	1.21	250 Cu 19 Str	100	860	840	830	810	790	770	750	730	710	670	630
	Str 23/7 - Albany	1.71	397.5 ACSR Ibis	70	850	810	800	780	750	730	700	675	650	580	510
		6.35													
		23.91													
115	**Salem - Albany 2**														
	Salem - Monmouth	9.10	397.5 ACSR Ibis	50	770	730	720	690	660	630	600	560	520	440	330
		9.10													
	Monmouth - Adair Tap	11.31	397.5 ACSR Ibis	50	770	730	720	690	660	630	600	560	520	440	330
		11.31													
	Adair Tap - Str 21/6	0.03	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 21/6 - Str 28/8	7.25	250 Cu 19 Str	50	710	670	660	640	610	580	550	515	480	400	310
	Str 28/8 - Albany	0.17	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
		7.45													
		27.86													
115	**Salem - Grand Ronde 1**														
	Salem - Str 24/6	23.60	4/0 ACSR Penguin	80	550	530	520	510	500	490	470	450	430	400	360
	Str 24/6 - Str 28/5	3.97	3/0 ACSR Pigeon	80	480	460	460	450	430	420	400	390	380	350	310
	Str 28/5 - Grand Ronde	0.24	4/0 ACSR Penguin	80	550	530	520	510	500	490	470	450	430	400	360
		27.81													
		27.81													

BONNEVILLE POWER ADMINISTRATION
TRANSMISSION LINE RATINGS

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KV	LINE LOCATION	LENGTH MILES	CONDUCTOR	Max. Oper Temp Deg. C	Allowable Amperage Ratings Ambient Air Temperature (Deg C) -30	-22	-20	-15	-10	-5	0	5	10	20	30
115	**Sand Creek - Bonners Ferry 1**														
	Sand Creek - Str 31/4 Jump	0.09	1272 AAC Narcissus - NL	100	1910	1850	1840	1800	1760	1720	1680	1635	1590	1500	1400
	Str 31/4 - Str 32/4	1.12	1272 AAC Narcissus - NL	100	1910	1850	1840	1800	1760	1720	1680	1635	1590	1500	1400
	Str 32/4 - Str 32/5 Jump/LO	0.04	1272 AAC Narcissus - NL	100	1910	1850	1840	1800	1760	1720	1680	1635	1590	1500	1400
	Str 32/5 - Selle	0.05	1272 AAC Narcissus - NL	100	1910	1850	1840	1800	1760	1720	1680	1635	1590	1500	1400
		1.30													
	Selle - Twr 32/6 Jumpers	0.08	1272 AAC Narcissus - NL	100	1910	1850	1840	1800	1760	1720	1680	1635	1590	1500	1400
	Twr 32/6 - Twr 38/2	5.66	1272 ACSR Bittern	100	1940	1880	1870	1830	1790	1750	1700	1660	1620	1520	1420
	Twr 38/2 - Samuels (NLI)	0.05	1272 ACSR Bittern	100	1940	1880	1870	1830	1790	1750	1700	1660	1620	1520	1420
		5.79													
	Samuels (NLI) - Twr 38/3 Jump/LO	0.05	1272 ACSR Bittern	100	1940	1880	1870	1830	1790	1750	1700	1660	1620	1520	1420
	Twr 38/3 - Twr 39/2	0.86	1272 ACSR Bittern	100	1940	1880	1870	1830	1790	1750	1700	1660	1620	1520	1420
	Twr 39/2 - Twr 41/1	1.97	1272 ACSR Bittern	100	1940	1880	1870	1830	1790	1750	1700	1660	1620	1520	1420
	Twr 41/1 - Twr 44/6	3.56	1272 AAC Narcissus - NL	100	1910	1850	1840	1800	1760	1720	1680	1635	1590	1500	1400
	Twr 44/6 - Twr 45/2	0.56	1272 AAC Narcissus - NL	100	1910	1850	1840	1800	1760	1720	1680	1635	1590	1500	1400
	Twr 45/2 - Twr 46/5	1.61	1272 ACSR Bittern	100	1940	1880	1870	1830	1790	1750	1700	1660	1620	1520	1420
	Twr 46/5 - Twr 48/2	1.54	1272 ACSR Bittern	90	1880	1820	1800	1760	1710	1670	1620	1575	1530	1420	1310
	Twr 48/2 - Twr 55/4	7.54	1272 ACSR Bittern	100	1940	1880	1870	1830	1790	1750	1700	1660	1620	1520	1420
	Twr 55/4 - Twr 57/3 Jumpers	1.49	1272 ACSR Bittern	100	1940	1880	1870	1830	1790	1750	1700	1660	1620	1520	1420
	Twr 57/3 - Bonners Ferry 115 Bus	0.19	1272 AAC Narcissus - NL	80	1780	1720	1700	1660	1610	1560	1510	1460	1410	1300	1170
		19.37													
	Bonners Ferry 115 Bus - Smith Falls	0.03	1272 AAC Narcissus - NL	80	1780	1720	1700	1660	1610	1560	1510	1460	1410	1300	1170
		0.03													
	Smith Falls - Twr 57/5(Bonners Ferry)	0.01	1272 AAC Narcissus - NL	80	1780	1720	1700	1660	1610	1560	1510	1460	1410	1300	1170
		0.01													
		26.50													
115	**Sand Creek - Sandpoint 1**														
	Sand Creek - Str 31/2	0.09	1272 AAC Narcissus - NL	80	1780	1720	1700	1660	1610	1560	1510	1460	1410	1300	1170
	Str 31/2 - Str 30/8A	0.34	1272 AAC Narcissus - NL	80	1780	1720	1700	1660	1610	1560	1510	1460	1410	1300	1170
	Str 30/8A - Str 30/7	0.12	1272 AAC Narcissus - NL	80	1780	1720	1700	1660	1610	1560	1510	1460	1410	1300	1170
	Str 30/7 - Str 30/5	0.24	1272 AAC Narcissus - NL	80	1780	1720	1700	1660	1610	1560	1510	1460	1410	1300	1170
	Str 30/5 - Str 30/4	0.02	1272 AAC Narcissus - NL	80	1780	1720	1700	1660	1610	1560	1510	1460	1410	1300	1170
	Str 30/4 - Str 30/3	0.06	1272 AAC Narcissus - NL	80	1780	1720	1700	1660	1610	1560	1510	1460	1410	1300	1170
	Str 30/3 - Str 29/7	0.69	1272 AAC Narcissus - NL	80	1780	1720	1700	1660	1610	1560	1510	1460	1410	1300	1170
	Str 29/7 - Str 29/5	0.15	1272 AAC Narcissus - NL	80	1780	1720	1700	1660	1610	1560	1510	1460	1410	1300	1170
	Str 29/5 - Str 26/3	3.20	1272 AAC Narcissus - NL	80	1780	1720	1700	1660	1610	1560	1510	1460	1410	1300	1170
	Str 26/3 - Str 26/2	0.10	1272 AAC Narcissus - NL	80	1780	1720	1700	1660	1610	1560	1510	1460	1410	1300	1170
	Str 26/2 - Sandpoint	1.65	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
		6.66													
		6.66													
115	**Scarcello - Tap (Albeni Falls (BPA) - Rathdrum(AVA) 1)**														
		0.04	397.5 ACSR Ibis	50	770	730	720	690	660	630	600	560	520	440	330
		0.04													
		0.04													
115	**Schrag - Tap (Warden - Ruff (Grant County PUD Line))**														
	? Line section is foreign owned, maximum operating temperature assumed.														
	Schrag - Str 11/14	0.30	266.8 ACSR/AW Partridge	100	730	710		690	670	660				570	530
	Str 11/14 - Str 11/10	0.26	266.8 ACSR/AW Partridge	100	730	710		690	670	660				570	530
	Str 11/10 - Interconnect	10.50	266.8 ACSR/AW Partridge	100	730	710		690	670	660				570	530
		11.06													
	Interconnect - Tap (PUD)	0.08	266.8 ACSR/AW Partridge	100 ?	730	710		690	670	660				570	530
		0.08													
		11.14													

BONNEVILLE POWER ADMINISTRATION
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KV	LINE LOCATION	LENGTH MILES	CONDUCTOR	Max. Oper Temp Deg. C	Allowable Amperage Ratings Ambient Air Temperature (Deg C) -30	-22	-20	-15	-10	-5	0	5	10	20	30
115	**Scooteney - Tap (Midway - Benton 1)**														
	Scooteney - Str 28/9	0.08	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 28/9 - Str 28/4	0.48	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 28/4 - Str 26/4	2.27	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 26/4 - Str 25/8	0.31	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 25/8 - Radar Pumping Plant Tap	4.11	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
		7.25													
	Radar Pumping Plant Tap - Str 20/6	1.34	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 20/6 - Eagle Lake	0.58	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
		1.92													
	Eagle Lake - Twr 19/7	0.05	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 19/7 - Str 19/5	0.11	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 19/5 - Str 19/4	0.06	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Twr 19/4 - Sagehill Tap	4.02	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
		4.24													
	Sagehill Tap - Twr 8/1	7.72	795 ACSR Drake	50	1190	1130	1110	1070	1020	970	920	860	800	670	490
	Twr 8/1 - Twr 6/3	1.52	795 ACSR Drake	50	1190	1130	1110	1070	1020	970	920	860	800	670	490
	Twr 6/3 - Twr 4/4	1.94	795 ACSR Drake	50	1190	1130	1110	1070	1020	970	920	860	800	670	490
	Twr 4/4 - Twr 1/2	3.75	795 ACSR Drake	50	1190	1130	1110	1070	1020	970	920	860	800	670	490
	Twr 1/2 - Tap	0.01	795 ACSR Drake	50	1190	1130	1110	1070	1020	970	920	860	800	670	490
		14.94													
	Tap - Twr 1/2	0.11	795 ACSR Drake	50	1190	1130	1110	1070	1020	970	920	860	800	670	490
		0.11													
		28.46													
115	**Shelton - Fairmount 1**														
	Shelton - Potlatch Tap	13.33	266.8 ACSR Partridge	60	630	600	590	570	550	530	510	485	460	400	340
		13.33													
	Potlatch Tap - Duckabush	23.01	266.8 ACSR Partridge	60	630	600	590	570	550	530	510	485	460	400	340
		23.01													
	Duckabush - Str 50/2	12.83	266.8 ACSR Partridge	60	630	600	590	570	550	530	510	485	460	400	340
	Str 50/2 - Quilcene (PSE)	0.02	397.5 ACSR Chickadee	60	800	760	750	730	700	670	640	610	580	510	430
		12.85													
	Quilcene (PSE) - Str 50/3	0.02	397.5 ACSR Chickadee	60	800	760	750	730	700	670	640	610	580	510	430
	Str 50/3 - Fairmount	11.02	266.8 ACSR Partridge	60	630	600	590	570	550	530	510	485	460	400	340
		11.04													
		60.23													
115	**Shelton - Fairmount 2**														
	Shelton - Str 9/4	8.41	556.5 ACSR Dove	70	1050	1000	990	960	930	900	870	835	800	720	630
	Str 9/4 - Str 9/5	0.33	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
	Str 9/5 - Tie (Cushman - Pearl)	4.56	556.5 ACSR Dove	50	950	900	890	860	820	780	740	695	650	540	400
		13.30													
	Tie (Cushman - Pearl) - Fairmount	46.87	556.5 ACSR Dove	50	950	900	890	860	820	780	740	695	650	540	400
		46.87													
		60.17													
115	**Shelton - Kitsap 2**														
	Shelton - Str 2/2	0.66	397.5 ACSR Ibis	70	850	810	800	780	750	730	700	675	650	580	510
	Str 2/2 - Str 13/4	11.42	397.5 ACSR Ibis	70	850	810	800	780	750	730	700	675	650	580	510
	Str 13/4 - Benson Tap	0.06	397.5 ACSR Ibis	70	850	810	800	780	750	730	700	675	650	580	510
		12.14													
	Benson Tap - Str 13/5	0.09	397.5 ACSR Ibis	70	850	810	800	780	750	730	700	675	650	580	510
	Str 13/5 - Str 18/2 Disc Sw	4.42	397.5 ACSR Ibis	70	850	810	800	780	750	730	700	675	650	580	510
	Str 18/2 - Belfair (MN3) Tap 21/7	2.78	397.5 ACSR Ibis	70	850	810	800	780	750	730	700	675	650	580	510
		7.29													
	Belfair (MN3) Tap 21/7 - Str 32/1	10.56	397.5 ACSR Ibis	70	850	810	800	780	750	730	700	675	650	580	510
	Str 32/1 - Kitsap	0.38	397.5 ACSR Ibis	70	850	810	800	780	750	730	700	675	650	580	510
		10.94													
		30.37													
115	**Shelton - Mason (MN3) 1**														
	Shelton - Mountain View	0.10	250 Cu 19 Str	50	710	670	660	640	610	580	550	515	480	400	310
		0.10													
	Mountain View - Mason (MN3)	2.19	250 Cu 19 Str	50	710	670	660	640	610	580	550	515	480	400	310
		2.19													
		2.29													
115	**Sifton - Fishers Road (Clark PUD) 1**														
	Sifton - Str 1/6	0.75	1.1 in ACSRTW Rogue	100	1720	1660	1650	1620	1580	1550	1510	1470	1430	1350	1250
	Str 1/6 - Fishers Road (Clark PUD) 1	1.45	1.1 in ACSRTW Rogue	100	1720	1660	1650	1620	1580	1550	1510	1470	1430	1350	1250
		2.20													
		2.20													

BONNEVILLE POWER ADMINISTRATION
TRANSMISSION LINE RATINGS

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KV	LINE LOCATION	LENGTH MILES	CONDUCTOR	Max. Oper Temp Deg. C	Allowable Amperage Ratings Ambient Air Temperature (Deg C) -30	-22	-20	-15	-10	-5	0	5	10	20	30
115	**Sifton - Ross 1**														
	Sifton - Twr 1/4	0.19	795 ACSR Drake	90	1420	1370	1360	1330	1290	1260	1230	1190	1150	1080	990
	Twr 1/4 - Twr 9/5	8.06	500 Cu 37 Str	90	1290	1250	1240	1210	1180	1150	1120	1085	1050	980	900
	Twr 9/5 - Ross	0.24	500 Cu 37 Str	90	1290	1250	1240	1210	1180	1150	1120	1085	1050	980	900
		8.49													
		8.49													
115	**Sifton - Wafertech**														
	? Line section is foreign owned, maximum operating temperature assumed.														
	Sifton - Str 1/6	0.75	1.1 in ACSRTW Rogue	100	1720	1660	1650	1620	1580	1550	1510	1470	1430	1350	1250
	Str 1/6 - Fishers Road (Clark PUD)	1.46	1.1 in ACSRTW Rogue	100	1720	1660	1650	1620	1580	1550	1510	1470	1430	1350	1250
		2.21													
	Fishers Road (Clark PUD) - Ch 1	0.30	900 ACSR Canary	50 ?	1274	1203	1184	1136	1086	1033	977	917	853	706	517
	Ch 1 - Ch 2	0.20	900 ACSR Canary	50 ?	1274	1203	1184	1136	1086	1033	977	917	853	706	517
	Ch 2 - Ch 3	0.25	900 ACSR Canary	50 ?	1274	1203	1184	1136	1086	1033	977	917	853	706	517
	Ch 3 - Wafertech	1.63	900 ACSR Canary	50 ?	1274	1203	1184	1136	1086	1033	977	917	853	706	517
		2.38													
		4.59													
115	**Smith Creek Falls - Bonners Ferry**														
		31.00	397.5 ACSR Chickadee	100	930	900	890	870	850	830	810	790	770	730	680
		31.00													
		31.00													
115	**Snake River - Tincup**														
	? Line section is foreign owned, maximum operating temperature assumed.														
	Snake River - CH 1	3.14	556.5 ACSR Dove	80 ?	1090	1050	1040	1010	980	960	930	895	860	790	720
	CH 1 - Tincup	11.33	556.5 ACSR Dove	80 ?	1090	1050	1040	1010	980	960	930	895	860	790	720
		14.47													
		14.47													
115	**Snohomish - Beverly Park(SPD) 3**														
	? Line section is foreign owned, maximum operating temperature assumed.														
	Snohomish - Str 2/2	1.28	795 ACSR Drake	90	1420	1370	1360	1330	1290	1260	1230	1190	1150	1080	990
	Str 2/2 - Str 2/6	0.32	795 ACSR Drake	90	1420	1370	1360	1330	1290	1260	1230	1190	1150	1080	990
	Str 2/6 - Str 3/2	0.59	795 ACSR Drake	90	1420	1370	1360	1330	1290	1260	1230	1190	1150	1080	990
	Str 3/2 - Str 4/1	0.85	795 ACSR Drake	90	1420	1370	1360	1330	1290	1260	1230	1190	1150	1080	990
	Str 4/1 - Str 4/2	0.13	795 ACSR Drake	90	1420	1370	1360	1330	1290	1260	1230	1190	1150	1080	990
	Str 4/2 - Str 5/7 (Sylvan Crest)	1.44	795 ACSR Drake	90	1420	1370	1360	1330	1290	1260	1230	1190	1150	1080	990
		4.61													
	Str 5/7 (Sylvan Crest) - SR 5	0.10	795 ACSR Drake	90	1420	1370	1360	1330	1290	1260	1230	1190	1150	1080	990
	SR 5 - Scenic Drive	0.42	795 AAC Arbutus	90	1380	1330	1320	1290	1260	1230	1190	1155	1120	1050	960
	Scenic Drive - Beverly Park	0.10	1272 AAC Narcissus	90	1850	1790	1770	1730	1690	1650	1600	1555	1510	1400	1290
		0.62													
		5.23													
115	**Snohomish - Beverly Park(SPD) 4**														
	? Line section is foreign owned, maximum operating temperature assumed.														
	Snohomish - Str 2/2	1.32	795 ACSR Drake	90	1420	1370	1360	1330	1290	1260	1230	1190	1150	1080	990
	Str 2/2 - Str 2/6	0.32	795 ACSR Drake	90	1420	1370	1360	1330	1290	1260	1230	1190	1150	1080	990
	Str 2/6 - Str 3/2	0.59	795 ACSR Drake	90	1420	1370	1360	1330	1290	1260	1230	1190	1150	1080	990
	Str 3/2 - Str 4/1	0.84	795 ACSR Drake	90	1420	1370	1360	1330	1290	1260	1230	1190	1150	1080	990
	Str 4/1 - Str 4/2	0.13	795 ACSR Drake	90	1420	1370	1360	1330	1290	1260	1230	1190	1150	1080	990
	Str 4/2 - Str 5/9	1.80	795 ACSR Drake	90	1420	1370	1360	1330	1290	1260	1230	1190	1150	1080	990
		5.00													
	Str 5/9 - Beverly Park	0.14	1272 AAC Narcissus	90	1850	1790	1770	1730	1690	1650	1600	1555	1510	1400	1290
		0.14													
		5.14													
115	**Snohomish - Boeing(SPD)**														
	? Line section is foreign owned, maximum operating temperature assumed.														
	Snohomish - Str 1/2	0.06	1.3 in AACTW Hood	80	1970	1900	1880	1830	1780	1730	1680	1620	1560	1430	1290
	Str 1/2 - Str 1/3	0.09	1.3 in AACTW Hood	80	1970	1900	1880	1830	1780	1730	1680	1620	1560	1430	1290
	Str 1/3 - Str 2/1	0.90	1.3 in AACTW Hood	80	1970	1900	1880	1830	1780	1730	1680	1620	1560	1430	1290
	Str 2/1 - Str 2/3	0.27	1.3 in AACTW Hood	80	1970	1900	1880	1830	1780	1730	1680	1620	1560	1430	1290
	Str 2/3 - Str 2/6	0.25	1.3 in AACTW Hood	80	1970	1900	1880	1830	1780	1730	1680	1620	1560	1430	1290
	Str 2/6 - Str 5/8	3.21	1.3 in AACTW Hood	80	1970	1900	1880	1830	1780	1730	1680	1620	1560	1430	1290
		4.78													
	Str 5/8 - Str 6/2	0.18	1272 AAC Narcissus	100 ?	1910	1850	1840	1800	1760	1720	1680	1635	1590	1500	1400
	Str 6/2 - Str 6/11A	0.60	1272 AAC Narcissus	100 ?	1910	1850	1840	1800	1760	1720	1680	1635	1590	1500	1400
	Str 6/11A - Evergreen Way	0.65	795 AAC Arbutus	100 ?	1430	1380	1370	1340	1310	1280	1250	1220	1190	1120	1040
		1.43													
	Evergreen Way - Glenwood Tap	0.57	795 AAC Arbutus	100 ?	1430	1380	1370	1340	1310	1280	1250	1220	1190	1120	1040
		0.57													
	Glenwood Tap - Boeing	1.11	795 AAC Arbutus	100 ?	1430	1380	1370	1340	1310	1280	1250	1220	1190	1120	1040
		1.11													
		7.89													

BONNEVILLE POWER ADMINISTRATION
TRANSMISSION LINE RATINGS

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KV	LINE LOCATION	LENGTH MILES	CONDUCTOR	Max. Oper Temp Deg. C	Allowable Amperage Ratings Ambient Air Temperature (Deg C) -30	-22	-20	-15	-10	-5	0	5	10	20	30
115	**Snohomish - Swamp Creek**														
	? Line section is foreign owned, maximum operating temperature assumed.														
	Snohomish - Str 1/2	0.13	1.3 in AACTW Hood	80	1970	1900	1880	1830	1780	1730	1680	1620	1560	1430	1290
	Str 1/2 - Str 1/3	0.06	1.3 in AACTW Hood	80	1970	1900	1880	1830	1780	1730	1680	1620	1560	1430	1290
	Str 1/3 - Str 2/1	0.90	1.3 in AACTW Hood	80	1970	1900	1880	1830	1780	1730	1680	1620	1560	1430	1290
	Str 2/1 - Str 2/3	0.27	1.3 in AACTW Hood	80	1970	1900	1880	1830	1780	1730	1680	1620	1560	1430	1290
	Str 2/3 - Str 2/6	0.25	1.3 in AACTW Hood	80	1970	1900	1880	1830	1780	1730	1680	1620	1560	1430	1290
	Str 2/6 - Str 5/8	3.21	1.3 in AACTW Hood	80	1970	1900	1880	1830	1780	1730	1680	1620	1560	1430	1290
		4.82													
	Str 5/8 - Str 6/2	0.18	1272 AAC Narcissus	100 ?	1910	1850	1840	1800	1760	1720	1680	1635	1590	1500	1400
	Str 6/2 - Str 6/11B	0.60	1272 AAC Narcissus	100 ?	1910	1850	1840	1800	1760	1720	1680	1635	1590	1500	1400
	Str 6/11B - Tie	0.76	1272 AAC Narcissus	100 ?	1910	1850	1840	1800	1760	1720	1680	1635	1590	1500	1400
		1.54													
	Tie - Str 1/10	0.27	1272 AAC Narcissus	100 ?	1910	1850	1840	1800	1760	1720	1680	1635	1590	1500	1400
	Str 1/10 - Silver Lake Tap	0.60	1272 AAC Narcissus	100 ?	1910	1850	1840	1800	1760	1720	1680	1635	1590	1500	1400
		0.87													
	Silver Lake Tap - Martha Lake Tap	3.70	1272 AAC Narcissus	100 ?	1910	1850	1840	1800	1760	1720	1680	1635	1590	1500	1400
		3.70													
	Martha Lake Tap - Str 6/5	1.32	1272 AAC Narcissus	100 ?	1910	1850	1840	1800	1760	1720	1680	1635	1590	1500	1400
	Str 6/5 - Swamp Creek	0.06	795 AAC Arbutus	100 ?	1430	1380	1370	1340	1310	1280	1250	1220	1190	1120	1040
		1.38													
		12.31													
115	**Snohomish - Waterfront**														
	? Line section is foreign owned, maximum operating temperature assumed.														
	Snohomish - Str 1/6	0.47	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 1/6 - Str 4/10	3.59	397.5 ACSR Ibis	50	770	730	720	690	660	630	600	560	520	440	330
		4.06													
	Str 4/10 - Str 0/13	0.88	795 AAC Arbutus	80 ?	1330	1280	1270	1240	1200	1170	1130	1090	1050	970	880
	Str 0/13 - Pinehurst Tap	0.39	795 AAC Arbutus	80 ?	1330	1280	1270	1240	1200	1170	1130	1090	1050	970	880
		1.27													
	Pinehurst Tap - Str 2/1	0.75	795 AAC Arbutus	80 ?	1330	1280	1270	1240	1200	1170	1130	1090	1050	970	880
	Str 2/1 - 52nd Street	0.23	795 AAC Arbutus	80 ?	1330	1280	1270	1240	1200	1170	1130	1090	1050	970	880
		0.98													
	52nd Street - Str 2/9	0.26	795 AAC Arbutus	80 ?	1330	1280	1270	1240	1200	1170	1130	1090	1050	970	880
	Str 2/9 - Str 3/5	0.84	795 AAC Arbutus	80 ?	1330	1280	1270	1240	1200	1170	1130	1090	1050	970	880
	Str 3/5 - Str 3/14	0.57	795 ACSR Drake	80 ?	1370	1310	1300	1270	1230	1200	1160	1120	1080	990	900
	Str 3/14 - Federal Street	1.64	795 AAC Arbutus	80 ?	1330	1280	1270	1240	1200	1170	1130	1090	1050	970	880
		3.31													
	Federal Street - Waterfront	0.20	795 AAC Arbutus	80 ?	1330	1280	1270	1240	1200	1170	1130	1090	1050	970	880
		0.20													
		9.82													
115	**Spearfish (KPUD) - Tap (Chenoweth - Goldendale 1)**														
		3.22	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
		3.22													
		3.22													
115	**Spirit(AVA) - Tap (Colville - Boundary 1)**														
		5.23	4/0 ACSR Penguin	50	480	460	450	430	410	390	370	350	330	270	210
		5.23													
		5.23													
115	**St Helens - Allston 1**														
	? Line section is foreign owned, maximum operating temperature assumed.														
	St Helens (PGE) - Str 22/4	1.95	795 AAC Arbutus	100 ?	1430	1380	1370	1340	1310	1280	1250	1220	1190	1120	1040
	Str 22/4 - Rosehill Tap (GRPUD)	5.64	556.5 ACSR Dove	100	1170	1130	1120	1100	1070	1050	1020	995	970	910	850
		7.59													
	Rosehill Tap - PGE (Goble)	6.08	556.5 ACSR Dove	100	1170	1130	1120	1100	1070	1050	1020	995	970	910	850
		6.08													
	PGE (Goble) - PGE (Trojan Tap)	1.57	556.5 ACSR Dove	100	1170	1130	1120	1100	1070	1050	1020	995	970	910	850
		1.57													
	PGE (Trojan Tap) - PGE (Rainier)	3.73	556.5 ACSR Dove	100	1170	1130	1120	1100	1070	1050	1020	995	970	910	850
		3.73													
	PGE (Rainier) - Str 6/8	5.05	556.5 ACSR Dove	100	1170	1130	1120	1100	1070	1050	1020	995	970	910	850
	Str 6/8 - Str 5/5	1.09	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
	Str 5/5 - Allston	0.10	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
		6.24													
		25.21													
115	**St Johns - Keeler 2**														
	* Copper conductor current ratings limited to maximum value by annealing under ferris clamps.														
	St Johns - Str 1/11	0.90	350 Cu PH D 1319	100	1070	1040	1030	1010	990	970	940	915	890	840	780
	Str 1/11 - Str 2/2	1.06	801.9 ACSR Special HS	100	1530	1500	1470	1440	1410	1380	1340	1305	1270	1200	1120
	Str 2/2 - Str 6/9	3.48	350 Cu PH D 1319	100	1070	1040	1030	1010	990	970	940	915	890	840	780
	Str 6/9(O C Tap) - Keeler	3.99	556.5 ACSR Dove	100	1170	1130	1120	1100	1070	1050	1020	995	970	910	850
		9.43													
		9.43													

BONNEVILLE POWER ADMINISTRATION
TRANSMISSION LINE RATINGS

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KV	LINE LOCATION	LENGTH MILES	CONDUCTOR	Max. Oper Temp Deg. C	Allowable Amperage Ratings Ambient Air Temperature (Deg C) -30	-22	-20	-15	-10	-5	0	5	10	20	30
115	**St Johns - St Helens(PGE) 1**														
	* Copper conductor current ratings limited to maximum value by annealing under ferris clamps.														
	? Line section is foreign owned, maximum operating temperature assumed.														
	St Johns - Str 1/2	0.09	556.5 ACSR Dove	100	1170	1130	1120	1100	1070	1050	1020	995	970	910	850
	Str 1/2 - Twr 1/11	0.82	350 Cu PH D 1319	100	1070	1040	1030	1010	990	970	940	915	890	840	780
	Twr 1/11 - Twr 2/2	1.06	801.9 ACSR Special HS	100	1530	1500	1470	1440	1410	1380	1340	1305	1270	1200	1120
	Twr 2/2 - Str 3/1	0.16	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 3/1 - Str 7/3	4.27	253 Cu GC LS 19238	100	890	870	860	840	820	810	790	770	750	700	660
	Str 7/3 - Str 7/8	0.64	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 7/8 - Str 8/6	0.58	253 Cu GC LS 19238	100	890	870	860	840	820	810	790	770	750	700	660
	Str 8/6 - Str 8/9	0.32	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 8/9 - Str 9/1	0.29	397.5 ACSR Lark	100	950	920	910	890	870	850	830	810	790	740	690
	Str 9/1 - Dutch Canyon Tap (CRPUD)	4.59	253 Cu GC LS 19238	100	890	870	860	840	820	810	790	770	750	700	660
		12.82													
	Dutch Canyon Tap (CRPUD) - Warren/Tarb	5.37	253 Cu GC LS 19238	100	890	870	860	840	820	810	790	770	750	700	660
		5.37													
	Warren/Tarbell Tap - Str 22/4	3.31	253 Cu GC LS 19238	100	890	870	860	840	820	810	790	770	750	700	660
	Str 22/4- St Helens(PGE)	1.77	336.4 ACSR Linnet	100 ?	840	820	810	800	780	760	740	720	700	660	620
		5.08													
		23.27													
115	**St Johns - Stub 1 (De-Energized) Twr 1/1 - Twr 1/5**														
		0.90	1272 ACSR Pheasant	50	1580	1490	1470	1410	1350	1290	1220	1140	1060	880	640
		0.90													
		0.90													
115	**St Johns - Tap (Keeler - Oregon City 2)**														
	Str 3/4 - Str 6/1 De-Energized	2.44	350 Cu PH D 1319	50	880	830	820	790	750	720	680	640	600	500	380
	Str 6/1 - Tap	0.56	350 Cu PH D 1319	50	880	830	820	790	750	720	680	640	600	500	380
		3.00													
		3.00													
115	**St Johns 230/115 kV Tx - 115 kV Bus**														
		0.18	1590 AAC Coreopsis	50	1760	1660	1640	1570	1500	1430	1350	1265	1180	970	710
		0.18													
		0.18													
115	**Sullivan (VID) - Tap (Vera Tap Line)**														
		0.04	556.5 ACSR Dove	50	950	900	890	860	820	780	740	695	650	540	400
		0.04													
		0.04													
115	**Swan Valley - Teton 1**														
	Swan Valley - Str 5/1	4.24	556.5 ACSR Dove	100	1170	1130	1120	1100	1070	1050	1020	995	970	910	850
	Str 5/1 - Str 6/3	1.30	556.5 ACSR Dove	100	1170	1130	1120	1100	1070	1050	1020	995	970	910	850
	Str 6/3 - Str 6/5	0.27	556.5 ACSR Dove	100	1170	1130	1120	1100	1070	1050	1020	995	970	910	850
	Str 6/5 - Str 7/1	0.47	556.5 ACSR Dove	100	1170	1130	1120	1100	1070	1050	1020	995	970	910	850
	Str7/1 - Str11/1	3.94	556.5 ACSR Dove	100	1170	1130	1120	1100	1070	1050	1020	995	970	910	850
	Str 11/1 - Targhee Tap	7.26	556.5 ACSR Dove	100	1170	1130	1120	1100	1070	1050	1020	995	970	910	850
		17.48													
	Targhee Tap - Str19/7	1.64	556.5 ACSR Dove	100	1170	1130	1120	1100	1070	1050	1020	995	970	910	850
	Str19/7 - Str 20/9	0.86	556.5 ACSR Dove	100	1170	1130	1120	1100	1070	1050	1020	995	970	910	850
	Str 20/9 - ID/WY Border (22/8)	1.99	556.5 ACSR Dove	100	1170	1130	1120	1100	1070	1050	1020	995	970	910	850
		4.49													
	ID/WY Border - Str 23/9	1.01	556.5 ACSR Dove	100	1170	1130	1120	1100	1070	1050	1020	995	970	910	850
	Str 23/9 - Str 26/2	2.44	556.5 ACSR Dove	100	1170	1130	1120	1100	1070	1050	1020	995	970	910	850
	Str 26/2 - Str 27/5	1.24	556.5 ACSR Dove	100	1170	1130	1120	1100	1070	1050	1020	995	970	910	850
	Str 27/5 - Str 28/2	1.04	556.5 ACSR Dove	100	1170	1130	1120	1100	1070	1050	1020	995	970	910	850
	Str 28/2 - Str 29/4	1.07	556.5 ACSR Dove	100	1170	1130	1120	1100	1070	1050	1020	995	970	910	850
	Str 29/4 - Str 30/6	0.94	556.5 ACSR Dove	100	1170	1130	1120	1100	1070	1050	1020	995	970	910	850
	Str 30/6 - Str 35/1	4.46	556.5 ACSR Dove	100	1170	1130	1120	1100	1070	1050	1020	995	970	910	850
	Str 35/1 - 36/4	1.21	556.5 ACSR Dove	100	1170	1130	1120	1100	1070	1050	1020	995	970	910	850
	Str 36/4 - Teton	0.08	556.5 ACSR Dove	100	1170	1130	1120	1100	1070	1050	1020	995	970	910	850
		13.49													
		35.46													

BONNEVILLE POWER ADMINISTRATION
TRANSMISSION LINE RATINGS

Prepared by
RDH and TKL / TOP

KV	LINE LOCATION	LENGTH MILES	CONDUCTOR	Max. Oper Temp Deg. C	Allowable Amperage Ratings Ambient Air Temperature (Deg C) -30	-22	-20	-15	-10	-5	0	5	10	20	30
115	**Swan Valley - Teton 2**														
	Swan Valley - Str 6/3	5.53	556.5 ACSR Dove	100	1170	1130	1120	1100	1070	1050	1020	995	970	910	850
	Str 6/3 - Str 6/5	0.27	556.5 ACSR Dove	100	1170	1130	1120	1100	1070	1050	1020	995	970	910	850
	Str 6/5 - Str 7/3	0.63	556.5 ACSR Dove	100	1170	1130	1120	1100	1070	1050	1020	995	970	910	850
	Str 7/3 - Str 20/9	13.53	556.5 ACSR Dove	100	1170	1130	1120	1100	1070	1050	1020	995	970	910	850
	Str 20/9 - Str 21/4	0.60	556.5 ACSR Dove	100	1170	1130	1120	1100	1070	1050	1020	995	970	910	850
		20.56													
	Str 21/4 - ID/WY Border (Str 22/8)	1.37	556.5 ACSR Dove	100	1170	1130	1120	1100	1070	1050	1020	995	970	910	850
	ID/WY Border (Str 22/8) - Str 26/2	3.45	556.5 ACSR Dove	100	1170	1130	1120	1100	1070	1050	1020	995	970	910	850
		4.82													
	Str 26/2 - Str 27/5	1.24	556.5 ACSR Dove	100	1170	1130	1120	1100	1070	1050	1020	995	970	910	850
	Str 27/5 - Str 28/2	1.04	556.5 ACSR Dove	100	1170	1130	1120	1100	1070	1050	1020	995	970	910	850
	Str 28/2 - Str 29/4	1.07	556.5 ACSR Dove	100	1170	1130	1120	1100	1070	1050	1020	995	970	910	850
	Str 29/4 - Str 32/8	2.97	556.5 ACSR Dove	100	1170	1130	1120	1100	1070	1050	1020	995	970	910	850
	Str 32/8 - Str 34/5	2.18	556.5 ACSR Dove	100	1170	1130	1120	1100	1070	1050	1020	995	970	910	850
	Str 34/5 - Str 35/1	0.25	556.5 ACSR Dove	100	1170	1130	1120	1100	1070	1050	1020	995	970	910	850
	Str 35/1 - Str 36/4	1.21	556.5 ACSR Dove	100	1170	1130	1120	1100	1070	1050	1020	995	970	910	850
	Str 36/4 - Teton	0.05	556.5 ACSR Dove	100	1170	1130	1120	1100	1070	1050	1020	995	970	910	850
		10.01													
		35.39													
115	**Tahkenitch - Gardiner**														
		1.64	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
		1.64													
		1.64													
115	**Tahkenitch - Reedsport 1**														
	Tahkenitch - Str 2/6	1.82	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 2/6 - Str 3/5	1.29	397.5 ACSR Lark	100	950	920	910	890	870	850	830	810	790	740	690
	Str 3/5 - Str 4/23	0.83	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 4/23 - Str 5/8	0.39	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 5/8 - Reedsport	0.05	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
		4.38													
		4.38													
115	**Tanner(Tanner EL Coop) - Tap (Lake Tradition - Snoquamie 1 PSE)**														
	Tanner - Tap	4.50	795 AAC Arbutus	100	1430	1380	1370	1340	1310	1280	1250	1220	1190	1120	1040
		4.50													
		4.50													
115	**Targhee - Drummond**														
	? Line section is foreign owned, maximum operating temperature assumed.														
		26.80	336.4 ACSR Linnet	50 ?	690	660	650	620	590	570	540	505	470	400	300
		26.80													
		26.80													
115	**Targhee - Tap(Swan Valley - Teton 1)**														
	Targhee - Str 3/9	2.94	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
	Str 3/9 - Victor (FRREC) Tap	0.09	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
		3.03													
	Victor Tap (FRREC) - Str 4/1	0.03	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
	Str 4/1 - Tap	7.89	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
		7.92													
		10.95													
115	**Taylor Flats - Tap (Benton - Franklin 2)**														
	Taylor Flats - Twr 9/16	0.21	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 9/16 - North Pasco	6.90	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
		7.11													
	North Pasco - Str 1/1	1.50	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 1/1 - Tap	0.02	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Tap - Glade	0.01	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
		1.53													
		8.64													

BONNEVILLE POWER ADMINISTRATION
TRANSMISSION LINE RATINGS

KV	LINE LOCATION	LENGTH MILES	CONDUCTOR	Max. Oper Temp Deg. C	Allowable Amperage Ratings Ambient Air Temperature (Deg C) -30	-22	-20	-15	-10	-5	0	5	10	20	30
115	**Teton - Snake River**														
	? Line section is foreign owned, maximum operating temperature assumed.														
	Teton - CH 1	0.23	556.5 ACSR Dove	80	1090	1050	1040	1010	980	960	930	895	860	790	720
	CH 1 - Wilson	2.11	556.5 ACSR Dove	80 ?	1090	1050	1040	1010	980	960	930	895	860	790	720
		2.34													
	Wilson - Jackson 1	5.07	556.5 ACSR Dove	80 ?	1090	1050	1040	1010	980	960	930	895	860	790	720
		5.07													
	Jackson 1 - Rafter J	4.10	556.5 ACSR Dove	80 ?	1090	1050	1040	1010	980	960	930	895	860	790	720
		4.10													
	Rafter J - Hoback	8.20	556.5 ACSR Dove	80 ?	1090	1050	1040	1010	980	960	930	895	860	790	720
		8.20													
	Hoback - Clingers Corner	21.10	556.5 ACSR Dove	80 ?	1090	1050	1040	1010	980	960	930	895	860	790	720
	Clingers Corner - Snake River	1.40	556.5 ACSR Dove	80 ?	1090	1050	1040	1010	980	960	930	895	860	790	720
		22.50													
		42.21													
115	**Thatcher Junction - Tap (Keeler - Tillamook)**														
	? Line section is foreign owned, maximum operating temperature assumed.														
	Section 1	0.01	266.8 ACSR Partridge	50	600	570	560	540	510	490	460	435	410	340	260
	Section 2	0.74	336.4 ACSR Oriole	50 ?	700	660	650	630	600	570	540	510	480	400	300
		0.75													
		0.75													
115	**The Dalles - Chenoweth 1**														
		2.03	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
		2.03													
		2.03													
115	**The Dalles PH - Big Eddy 1**														
		0.81	1780 ACSR Chukar	100	2390	2320	2300	2250	2200	2150	2100	2045	1990	1870	1750
		0.81													
		0.81													
115	**The Dalles PH - Big Eddy 2**														
	Section 1	0.65	1272 ACSR Pheasant	80	1830	1760	1740	1700	1650	1600	1550	1495	1440	1330	1200
	Section 2	0.17	1780 ACSR Chukar	100	2390	2320	2300	2250	2200	2150	2100	2045	1990	1870	1750
		0.82													
		0.82													
115	**Thurston - Willakenzie 1**														
	? Line section is foreign owned, maximum operating temperature assumed.														
	Thurston - Str 1/2	0.10	795 AAC Arbutus	80 ?	1330	1280	1270	1240	1200	1170	1130	1090	1050	970	880
	Str 1/2 - Str 1/8	0.63	795 AAC Arbutus	80 ?	1330	1280	1270	1240	1200	1170	1130	1090	1050	970	880
	Str 1/8 - Str 1/10	0.12	795 AAC Arbutus	80 ?	1330	1280	1270	1240	1200	1170	1130	1090	1050	970	880
		0.85													
	Str 1/10 - Twr 3/3	1.52	666.6 ACSR Flamingo	90	1260	1220	1210	1180	1150	1120	1090	1060	1030	960	880
	Twr 3/3 - Twr 4/1	0.78	795 ACSR Mallard	100	1480	1430	1420	1390	1360	1330	1300	1265	1230	1160	1080
	Twr 4/1 - Twr 8/3	4.13	666.6 ACSR Flamingo	80	1220	1170	1160	1130	1100	1070	1030	995	960	890	800
	Twr 8/3 - Willakenzie	0.46	666.6 ACSR Flamingo	80	1220	1170	1160	1130	1100	1070	1030	995	960	890	800
		6.89													
		7.74													
115	**Tillamook - Trask River 1**														
	Tillamook - Twr 33/24	0.05	652.4 kcmil AAAC/6201 Elgin	100	1192	1155	1146	1122	1089	1073	1047	1020	993	935	872
	Twr 33/24 - CH 1	0.45	652.4 kcmil AAAC/6201 Elgin	100	1192	1155	1146	1122	1089	1073	1047	1020	993	935	872
	Ch 1 - Twr 39/5	1.70	652.4 kcmil AAAC/6201 Elgin	100	1192	1155	1146	1122	1089	1073	1047	1020	993	935	872
	Twr 39/5 - Twr 36/4	3.19	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
	Twr 36/4 - Twr 36/1	0.58	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
	Twr 36/1 - Tillamook	0.25	652.4 kcmil AAAC/6201 Elgin	100	1192	1155	1146	1122	1089	1073	1047	1020	993	935	872
		6.22													
		6.22													
115	**Timber - Tap (Keeler - Tillamook 1)**														
	Section 1	0.49	266.8 ACSR Partridge	80	680	660	650	640	620	600	580	560	540	500	450
	Section 2	0.32	397.5 ACSR Lark	50	780	730	720	690	660	630	600	565	530	440	330
	Section 3	10.40	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
		11.21													
		11.21													
115	**Tower Road - Alkali (CBEC) 1**														
	Tower Road - 12/1	10.88	1272 ACSR Pheasant	60	1670	1590	1570	1520	1460	1400	1340	1275	1210	1060	870
	12/1 - 14/7	1.92	397.5 ACSR Ibis	50	770	730	720	690	660	630	600	560	520	440	330
	14/7 - 14/8	0.11	397.5 ACSR Ibis	50	770	730	720	690	660	630	600	560	520	440	330
	14/8 - 21/1	6.76	1272 ACSR Pheasant	60	1670	1590	1570	1520	1460	1400	1340	1275	1210	1060	870
	21/1 - CH1 (PP77 South off of BPA ROW)	0.71	397.5 ACSR Ibis	50	770	730	720	690	660	630	600	560	520	440	330
	CH1 - Alkali	5.04	397.5 ACSR Ibis	50	770	730	720	690	660	630	600	560	520	440	330
		25.42													
		25.42													

BONNEVILLE POWER ADMINISTRATION
TRANSMISSION LINE RATINGS

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KV	LINE LOCATION	LENGTH MILES	CONDUCTOR	Max. Oper Temp Deg. C	Allowable Amperage Ratings Ambient Air Temperature (Deg C) -30	-22	-20	-15	-10	-5	0	5	10	20	30
115	**Trask River - Tap (Boyer - Tillamook 1)**														
	Trask River - Tap (Boyer - Tillamook 1)	0.25	652.4 kcmil AAAC/6201 Elgin	100	1192	1155	1146	1122	1089	1073	1047	1020	993	935	872
		0.25													
		0.25													
115	**Trentwood (IP&L) - Tap (Bell - Trentwood 1)**														
	Trentwood(IP&L) - Tap(Bell - Trentwood 1	0.06	556.5 ACSR Dove	100	1170	1130	1120	1100	1070	1050	1020	995	970	910	850
		0.06													
		0.06													
115	**Trentwood - Valley Way 1**														
	* Copper conductor current ratings limited to maximum value by annealing under ferris clamps.														
	Trentwood - Str 1/8	0.70	250 Cu 19 Str	100	860	840	830	810	790	770	750	730	710	670	630
	Str 1/8 - Vera Tap	0.07	250 Cu 19 Str	100	860	840	830	810	790	770	750	730	710	670	630
		0.77													
	Vera Tap - Str 3/2	1.44	250 Cu 19 Str	60	740	710	700	680	650	630	600	570	540	480	400
	Str 3/2 - AVA Tap	0.25	250 Cu 19 Str	60	740	710	700	680	650	630	600	570	540	480	400
		1.69													
	AVA Tap - Valley Way	0.25	250 Cu 19 Str	100	860	840	830	810	790	770	750	730	710	670	630
		0.25													
		2.71													
115	**Underwood - Tap (Bonneville-Alcoa 2/Bonneville-Sifton 1)**														
	* Copper conductor current ratings limited to maximum value by annealing under ferris clamps.														
	Underwood - Twr 26/14	0.49	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
	Twr 26/14 - Twr 26/2	0.46	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
	Twr 26/2 - Bald Mountain Tap	0.03	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
		0.98													
	Bald Mountain Tap - Twr 26/1	0.01	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
	Twr 26/1 - Twr 17/4	8.44	500 Cu PH D 1251	100	1460	1410	1400	1370	1340	1310	1280	1245	1210	1140	1060
	Twr 17/4 - Twr 14/7	2.22	1272 ACSR Pheasant	100	1960	1900	1880	1840	1800	1760	1720	1675	1630	1530	1430
	Twr 14/7 - Twr 12/4	1.98	1272 ACSR Pheasant	100	1960	1900	1880	1840	1800	1760	1720	1675	1630	1530	1430
	Twr 12/4 - Carson Tap	2.74	500 Cu PH D 1251	100	1460	1410	1400	1370	1340	1310	1280	1245	1210	1140	1060
		15.39													
	Carson Tap - Stevenson	3.55	500 Cu PH D 1251	100	1460	1410	1400	1370	1340	1310	1280	1245	1210	1140	1060
		3.55													
	Stevenson - Twr 2/1	4.20	500 Cu PH D 1251	100	1460	1410	1400	1370	1340	1310	1280	1245	1210	1140	1060
	Twr 2/1 - Twr 1/7	0.99	500 Cu PH D 1251	100	1460	1410	1400	1370	1340	1310	1280	1245	1210	1140	1060
	Twr 1/7 - Twr 1/6	0.07	397.5 ACSR Lark	100	950	920	910	890	870	850	830	810	790	740	690
		5.26													
	Twr 1/6 - Twr 1/4	0.14	397.5 ACSR Lark	100	950	920	910	890	870	850	830	810	790	740	690
	Twr 1/4 - Tap	0.07	397.5 ACSR Lark	100	950	920	910	890	870	850	830	810	790	740	690
		0.21													
		25.39													
115	**Underwood - Tap (Bonneville-Alcoa 2/Bonneville-Sifton 1)(Line Open)**														
	Twr 1/4 - Tap (Bonneville - Sifton 1)	0.06	397.5 ACSR Lark	100	950	920	910	890	870	850	830	810	790	740	690
		0.06													
		0.06													
115	**USK - Ponderay Paper Plant 1**														
		0.25	795 ACSR Drake	80	1370	1310	1300	1270	1230	1200	1160	1120	1080	990	900
		0.25													
		0.25													
115	**Valhalla - Eastmont (PUD) 1**														
	? Line section is foreign owned, maximum operating temperature assumed.														
	Valhalla - Str 2/6	1.44	397.5 ACSR Ibis	50 ?	770	730	720	690	660	630	600	560	520	440	330
	Str 2/6 - Hanna Tap	0.54	250 Cu 19 Str	50 ?	710	670	660	640	610	580	550	515	480	400	310
		1.98													
	Hanna Tap - CH 1	8.16	266.8 ACSR Partridge	50 ?	600	570	560	540	510	490	460	435	410	340	260
	CH 1 - Eastmont	0.09	397.5 ACSR Ibis	50 ?	770	730	720	690	660	630	600	560	520	440	330
		8.25													
		10.23													
115	**Valhalla - McKenzie (Chelan County PUD)**														
	? Line section is foreign owned, maximum operating temperature assumed.														
		0.10	2750 AAC Bitterroot	50 ?	2373	2239	2203	2113	2017	1917	1810	1696	1573	1288	913
		0.10													
		0.10													

BONNEVILLE POWER ADMINISTRATION
TRANSMISSION LINE RATINGS

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KV	LINE LOCATION	LENGTH MILES	CONDUCTOR	Max. Oper Temp Deg. C	Allowable Amperage Ratings Ambient Air Temperature (Deg C) -30	-22	-20	-15	-10	-5	0	5	10	20	30
115	**VERA - Tap (Trentwood - Valley Way)**														
	Vera - Sullivan (VID) Tap	0.48	397.5 ACSR Ibis	50	770	730	720	690	660	630	600	560	520	440	330
	Str 4/7 - Sullivan (VID) Tap 2/7	2.04	397.5 ACSR Ibis	50	770	730	720	690	660	630	600	560	520	440	330
		2.52													
	Sullivan (VID) Tap 2/7 - Str 1/9	0.49	397.5 ACSR Ibis	50	770	730	720	690	660	630	600	560	520	440	330
	Str 1/9 - Tap	0.79	397.5 ACSR Ibis	50	770	730	720	690	660	630	600	560	520	440	330
		1.28													
		3.80													
115	**Victor(FRREC) - Tap (Targhee Tap Line)**														
		0.05	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
		0.05													
		0.05													
115	**VIT Plant - Tap (Midway - Benton 1)**														
		3.00	795 ACSR Drake	80	1370	1310	1300	1270	1230	1200	1160	1120	1080	990	900
		3.00													
		3.00													
115	**Wagner Lake - Tap(Grand Coulee - Bell 1/2)**														
	? Line section is foreign owned, maximum operating temperature assumed.														
	Wagner Lake - Wilbur Tap	10.65	3/0 ACSR Pigeon	100	510	490	490	480	470	460	450	435	420	400	370
		10.65													
	Wilbur Tap - Tap	5.32	4/0 ACSR Penguin	100 ?	590	570	570	560	540	530	520	505	490	460	430
		5.32													
		15.97													
115	**Walla Walla - North Lewiston (AVA) 1**														
	* Copper conductor current ratings limited to maximum value by annealing under ferris clamps.														
	? Line section is foreign owned, maximum operating temperature assumed.														
	Walla Walla - Str 7/7	6.88	250 Cu Anac 902R1	100	900	870	860	850	830	810	790	770	750	700	660
	Str 7/7 - Str 9/6	1.82	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 9/6 - Pomeroy Tap	44.36	250 Cu Anac 902R1	100	900	870	860	850	830	810	790	770	750	700	660
		53.06													
	Pomeroy Tap - Str 77/6	23.16	250 Cu Anac 902R1	100	900	870	860	850	830	810	790	770	750	700	660
	Str 77/6 - Str 77/9	0.18	250 Cu Anac 902R1	100	900	870	860	850	830	810	790	770	750	700	660
	Str 77/9 - Str 78/2	0.41	397.5 ACSR Lark	100	950	920	910	890	870	850	830	810	790	740	690
	Str 78/2 - Clarkston	0.23	250 Cu Anac 902R1	100	900	870	860	850	830	810	790	770	750	700	660
		23.98													
	Clarkston - WA/ID Border	3.00	250 Cu Anac 902R1	100	900	870	860	850	830	810	790	770	750	700	660
		3.00													
	WA/ID Border - Str 81/4	0.06	250 Cu Anac 902R1	100	900	870	860	850	830	810	790	770	750	700	660
	Str 81/4 - Str 81/7	0.35	250 Cu Anac 902R1	100	900	870	860	850	830	810	790	770	750	700	660
	Str 81/7 - North Lewiston	0.30	556.5 ACSR Parakeet	100 ?	1160	1130	1120	1100	1070	1050	1020	995	970	910	850
		0.71													
		80.75													
115	**Walnut City (MCM) - Tap (Forest Grove - McMinnville 1)**														
	Walnut City (MCM) - Baker Creek Tap (5/4	1.23	266.8 ACSR Partridge	70	660	630	620	610	590	570	550	525	500	450	400
		1.23													
	Baker Creek Tap (5/4) - Tap	4.40	266.8 ACSR Partridge	70	660	630	620	610	590	570	550	525	500	450	400
		4.40													
		5.63													
115	**Wendson - Florence (CLP) 1**														
	Wendson - Str 1/3	0.25	1272 AAC Narcissus	50	1540	1460	1440	1380	1320	1260	1190	1115	1040	860	630
	Str 1/3 - Str 1/4	0.12	266.8 ACSR Partridge	50	600	570	560	540	510	490	460	435	410	340	260
	Str 1/4 - Florence (CLP)	3.89	266.8 ACSR Partridge	50	600	570	560	540	510	490	460	435	410	340	260
		4.26													
		4.26													
115	**Wendson - Tahkenitch 1**														
	Wendson - Str 1/3	0.21	1272 AAC Narcissus	100	1910	1850	1840	1800	1760	1720	1680	1635	1590	1500	1400
	Str 1/3 - Str 1/4	0.12	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
	Str 1/4 - Berrydale Tap	6.03	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
		6.36													
	Berrydale Tap - Str 21/2	13.66	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
	Str 21/2 - Tahkenitch	0.28	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
		13.94													
		20.30													
115	**Wendson Sub 230/115 kV Tie 1**														
		0.12	795 ACSR Drake	50	1190	1130	1110	1070	1020	970	920	860	800	670	490
		0.12													
		0.12													

BONNEVILLE POWER ADMINISTRATION
TRANSMISSION LINE RATINGS

Prepared by
RDH and TKL / TOP

KV	LINE LOCATION	LENGTH MILES	CONDUCTOR	Max. Oper Temp Deg. C	Allowable Amperage Ratings Ambient Air Temperature (Deg C) -30	-22	-20	-15	-10	-5	0	5	10	20	30
115	**White Bluffs - HEW 451B 1**														
	White Bluffs - Twr 1/5	0.29	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
	Twr 1/5 - Twr 2/3	0.67	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
	Twr 2/3 - HEW 451B	5.23	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
		6.19													
		6.19													
115	**White Bluffs - Richland 1**														
	* Copper conductor current ratings limited to maximum value by annealing under ferris clamps.														
	White Bluffs - Str 1/14	0.53	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
	Str 1/14 - Str 4/28	3.10	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
	Str 4/28 - Sandhill Crane	0.66	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
		4.29													
	Sandhill Crane - First Street	1.10	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
		1.10													
	First Street - Str 8/5	1.51	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
	Str 8/5 - Str 9/4	0.83	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
	Str 9/4 - Stevens Drive (COR)	0.33	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
		2.67													
	Stevens Drive (COR) - Str 9/20	0.22	250 Cu 12 Str	100	870	850	840	820	800	790	770	750	730	680	640
	Str 9/20 - Thayer Drive (COR)	1.34	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
		1.56													
	Thayer Drive (COR) - Str 12/3	1.05	250 Cu 12 Str	100	870	850	840	820	800	790	770	750	730	680	640
	Str 12/3 - Str 12/8	0.25	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
	Str 12/8 - Richland	0.08	250 Cu 12 Str	100	870	850	840	820	800	790	770	750	730	680	640
		1.38													
		11.00													
115	**White Bluffs - Tap (Grandview - Richland 1)**														
	White Bluffs - Str 1/6	0.53	1272 AAC Narcissus	100	1910	1850	1840	1800	1760	1720	1680	1635	1590	1500	1400
	Str 1/6 - Str 3/9	2.23	1272 AAC Narcissus	100	1910	1850	1840	1800	1760	1720	1680	1635	1590	1500	1400
	Str 3/9 - Str 6/7	2.49	1272 AAC Narcissus	100	1910	1850	1840	1800	1760	1720	1680	1635	1590	1500	1400
	Str 6/7 - Horn Rapids (BNTPD)	0.51	1272 AAC Narcissus	100	1910	1850	1840	1800	1760	1720	1680	1635	1590	1500	1400
		5.76													
	Horn Rapids (BNTPD) - Str 7/9	0.57	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 7/9 - Str 10/13	3.30	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Str 10/13 - Tap	0.07	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
		3.94													
		9.70													
115	**Willow Creek (EWEB) - Hawkins (EWEB) 1**														
	? Line section is foreign owned, maximum operating temperature assumed.														
	Willow Creek (EWEB) - 1/1	0.03	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	1/1 - 1/2	0.06	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	1/2 - 1/5	0.52	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
	1/5 - 3/6	1.67	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
		2.28													
	3/6 - Hawkins (EWEB)	0.71	397.5 ACSR Ibis	80	880	850	840	820	790	770	750	725	700	640	580
		0.71													
		2.99													
115	**Winthrop - Tap (Okanogan - Twisp PUD Line)**														
	Winthrop - Str 9/4	2.50	4/0 ACSR Penguin	50	480	460	450	430	410	390	370	350	330	270	210
	Str 9/4 - Str 9/3	0.61	397.5 ACSR Lark	100	950	920	910	890	870	850	830	810	790	740	690
	Str 9/3 - Str 8/1	1.02	4/0 ACSR Penguin	100	590	570	570	560	540	530	520	505	490	460	430
	Str 8/1 - Str 7/9	0.34	397.5 ACSR Lark	100	950	920	910	890	870	850	830	810	790	740	690
	Str 7/9 - Str 6/1	1.37	4/0 ACSR Penguin	100	590	570	570	560	540	530	520	505	490	460	430
	Str 6/1 - Str 5/8	0.53	397.5 ACSR Lark	100	950	920	910	890	870	850	830	810	790	740	690
	Str 5/8 - Tap	5.01	4/0 ACSR Penguin	100	590	570	570	560	540	530	520	505	490	460	430
		11.38													
		11.38													
69	**Black Canyon - Emmett**														
	? Line section is foreign owned, maximum operating temperature assumed.														
	Section 1	3.75	No 2 Cu 3 Str	50	310	290	290	280	270	260	240	230	220	180	140
	Section 2	0.77	No 2 Cu 3 Str	50 ?	310	290	290	280	270	260	240	230	220	180	140
		4.52													
		4.52													

BONNEVILLE POWER ADMINISTRATION
TRANSMISSION LINE RATINGS

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RDH and TKL / TOP

KV	LINE LOCATION	LENGTH MILES	CONDUCTOR	Max. Oper Temp Deg. C	Allowable Amperage Ratings Ambient Air Temperature (Deg C) -30	-22	-20	-15	-10	-5	0	5	10	20	30
69	**Boardman - Ione**														
	+ Line section leased by BPA, 50 degrees celsius assumed as maximum operating temperature unless otherwise noted.														
	Boardman - Str 1/6	0.53	397.5 ACSR Ibis	50 +	770	730	720	690	660	630	600	560	520	440	330
	Str 1/6 - Str 2/9	0.78	397.5 ACSR Ibis	50 +	770	730	720	690	660	630	600	560	520	440	330
	Str 2/9 - Str 2/13	0.27	397.5 ACSR Ibis	50 +	770	730	720	690	660	630	600	560	520	440	330
	Str 2/13 - Str 3/4	0.60	397.5 ACSR Ibis	50 +	770	730	720	690	660	630	600	560	520	440	330
	Str 3/4 - Sand Hollow Tap	24.21	397.5 ACSR Ibis	50 +	770	730	720	690	660	630	600	560	520	440	330
		26.39													
	Sand Hollow Tap - Ione	3.70	336.4 ACSR Linnet	50 +	690	660	650	620	590	570	540	505	470	400	300
		3.70													
		30.09													
69	**Canby (BPA) - Canby (SVEC)**														
		0.84	.951 in ACSRTW Toutle	100	1400	1360	1350	1320	1290	1260	1230	1200	1170	1100	1020
		0.84													
		0.84													
69	**Centralia - B Street 1 (City of Centralia)**														
		0.24	266.8 ACSR Partridge	50	600	570	560	540	510	490	460	435	410	340	260
		0.24													
		0.24													
69	**Chehalis - Centralia 1**														
	Chehalis - Str 1/2	0.12	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
	Str 1/2 - Str 9/11	8.31	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
	Str 9/11 - Str 10/7	1.12	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
	Str 10/7 - Centralia	1.45	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
		11.00													
		11.00													
69	**Chehalis - Centralia 2**														
	Chehalis - Str 12/2	11.17	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
	Str 12/2 - Fords Prairie Tap	0.62	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
		11.79													
	Fords Prairie Tap - IM&A CO	1.31	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
		1.31													
	IM&A CO - Centralia	1.82	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
		1.82													
		14.92													
69	**Corvallis - Tap Montana Power Co**														
		0.08	4/0 ACSR Penguin	50	480	460	450	430	410	390	370	350	330	270	210
		0.08													
		0.08													
69	**Dayton - Tap (Mill Creek - Dry Gulch PP&L)**														
	? Line section is foreign owned, maximum operating temperature assumed.														
		0.25	795 ACSR Drake	50 ?	1190	1130	1110	1070	1020	970	920	860	800	670	490
		0.25													
		0.25													
69	**De Moss - Fossil 1**														
	De Moss - Gordon Hollow Tap	0.11	266.8 ACSR Partridge	90	710	690	680	660	640	630	610	595	580	540	490
		0.11													
	Gordon Hollow Tap - Str 2/8	1.80	266.8 ACSR Partridge	90	710	690	680	660	640	630	610	595	580	540	490
	Str 2/8 - Str 4/9	1.55	266.8 ACSR Partridge	90	710	690	680	660	640	630	610	595	580	540	490
	Str 4/9 - Str 6/4	2.00	266.8 ACSR Partridge	90	710	690	680	660	640	630	610	595	580	540	490
	Str 6/4 - Str 9/4	2.67	266.8 ACSR Partridge	90	710	690	680	660	640	630	610	595	580	540	490
	Str 9/4 - Str 13/4	4.30	266.8 ACSR Partridge	90	710	690	680	660	640	630	610	595	580	540	490
	Str 13/4 - Str 14/1	0.42	397.5 ACSR Lark	100	950	920	910	890	870	850	830	810	790	740	690
	Str 14/1 - Condon	21.65	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
		34.39													
	Condon - Str 38/8	2.92	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
	Str 38/8 - Str 39/12	0.92	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
	Str 39/12 - Str 40/10	1.39	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
	Str 40/10 - Str 42/3	1.68	397.5 ACSR Lark	100	950	920	910	890	870	850	830	810	790	740	690
	Str 42/3 - Str 46/8	4.29	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
	Str 46/8 - Str 47/12	0.76	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
	Str 47/12 - Str 48/4	0.85	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
	Str 48/4 - Str 48/5	0.29	397.5 ACSR Lark	100	950	920	910	890	870	850	830	810	790	740	690
	Str 48/5 - PP&L Tap	5.29	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
		18.39													
	PP&L Tap - Fossil	0.04	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
		0.04													
		52.93													

BONNEVILLE POWER ADMINISTRATION
TRANSMISSION LINE RATINGS

KV	LINE LOCATION	LENGTH MILES	CONDUCTOR	Max. Oper Temp Deg. C	Allowable Amperage Ratings Ambient Air Temperature (Deg C) -30	-22	-20	-15	-10	-5	0	5	10	20	30
69	**Fords Prairie - Tap (Chehalis - Centralia 2)**														
		0.08	266.8 ACSR Partridge	50	600	570	560	540	510	490	460	435	410	340	260
		0.08													
		0.08													
69	**Fossil - Maupin (Line Leased)**														
	+ Line section leased by BPA, 50 degrees celsius assumed as maximum operating temperature unless otherwise noted.														
Fossil - Pole A		0.42	397.5 ACSR Ibis	50 +	770	730	720	690	660	630	600	560	520	440	330
Pole A - Muddy Ranch Tap		14.23	397.5 ACSR Ibis	50 +	770	730	720	690	660	630	600	560	520	440	330
		14.65													
Muddy Ranch Tap - Pole 8		13.21	397.5 ACSR Ibis	50 +	770	730	720	690	660	630	600	560	520	440	330
Pole 8 - Pole 1		0.44	397.5 ACSR Ibis	50 +	770	730	720	690	660	630	600	560	520	440	330
Pole 1 - Antelope		0.05	397.5 ACSR Ibis	50 +	770	730	720	690	660	630	600	560	520	440	330
		13.70													
Antelope - Pole 331		0.44	397.5 ACSR Ibis	50 +	770	730	720	690	660	630	600	560	520	440	330
Pole 331 - Pole 310		2.21	397.5 ACSR Ibis	50 +	770	730	720	690	660	630	600	560	520	440	330
Pole 310 - Pole 183		10.25	397.5 ACSR Ibis	50 +	770	730	720	690	660	630	600	560	520	440	330
Pole 183 - Pole 159		2.28	397.5 ACSR Ibis	50 +	770	730	720	690	660	630	600	560	520	440	330
Pole 159 - Pole 87		5.77	397.5 ACSR Ibis	50 +	770	730	720	690	660	630	600	560	520	440	330
Pole 87 - Bakeoven		0.41	397.5 ACSR Ibis	50 +	770	730	720	690	660	630	600	560	520	440	330
		21.36													
Bakeoven - Pole 6		6.49	397.5 ACSR Ibis	50 +	770	730	720	690	660	630	600	560	520	440	330
Pole 6 - DE Str		0.48	397.5 ACSR Ibis	50 +	770	730	720	690	660	630	600	560	520	440	330
DE Str - Maupin		0.03	397.5 ACSR Ibis	50 +	770	730	720	690	660	630	600	560	520	440	330
		7.00													
		56.71													
69	**Fossil - Service Creek (Line Leased)**														
	+ Line section leased by BPA, 50 degrees celsius assumed as maximum operating temperature unless otherwise noted.														
Fossil - Pole A		0.42	1/0 ACSR Raven	50 +	320	300	300	290	270	260	250	235	220	180	140
Pole A - Kinzua		8.48	2/0 ACSR Quail	50 +	370	350	340	330	310	300	280	265	250	210	160
		8.90													
Kinzua - Service Creek		14.80	1/0 ACSR Raven	50 +	320	300	300	290	270	260	250	235	220	180	140
		14.80													
		23.70													
69	**Freewater - Milton**														
	? Line section is foreign owned, maximum operating temperature assumed.														
		3.72	397.5 ACSR Ibis	50 ?	770	730	720	690	660	630	600	560	520	440	330
		3.72													
		3.72													
69	**Goodnoe - Tap (Klickitat PUD)**														
Goodnoe - Str 2/4		1.48	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
Str 2/4 - Str 2/1		0.72	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
Str 2/1 - Str 1/6		0.34	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
Str 1/6 - Tap (16/7)		0.37	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
		2.91													
		2.91													
69	**Guthrie - Tap (Powerdale - Dee PP&L)**														
	? Line section is foreign owned, maximum operating temperature assumed.														
Section 1		0.08	266.8 ACSR Partridge	50	600	570	560	540	510	490	460	435	410	340	260
Section 2		0.33	1/0 Cu 7 Str	50 ?	410	390	380	370	350	340	320	300	280	240	180
		0.41													
		0.41													
69	**Lagoon - Tap (Walla Walla - Pendleton 1)**														
	? Line section is foreign owned, maximum operating temperature assumed.														
		0.02	1/0 Cu 7 Str	50 ?	410	390	380	370	350	340	320	300	280	240	180
		0.02													
		0.02													
69	**Maupin - Tygh Valley (PUD) 1**														
	? Line section is foreign owned, maximum operating temperature assumed.														
Maupin - Str 2/6		0.07	397.5 ACSR Ibis	50	770	730	720	690	660	630	600	560	520	440	330
Str 2/6 - Str 5/3		2.12	2/0 F Cu W Cu (6/1)	50	450	420	410	400	380	360	340	320	300	250	200
Str 5/3 - Str 4/3		0.60	2/0 K Cu W Cu (6/1)	50	470	450	440	420	400	380	360	340	320	270	210
Str 4/3 - Tygh Valley(BPA)		0.41	2/0 F Cu W Cu (6/1)	50	450	420	410	400	380	360	340	320	300	250	200
		3.20													
Tygh Valley - Tygh Valley(PUD)		1.98	2/0 F Cu W Cu (6/1)	50 ?	450	420	410	400	380	360	340	320	300	250	200
		1.98													
		5.18													

BONNEVILLE POWER ADMINISTRATION
TRANSMISSION LINE RATINGS

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RDH and TKL / TOP

KV	LINE LOCATION	LENGTH MILES	CONDUCTOR	Max. Oper Temp Deg. C	Allowable Amperage Ratings Ambient Air Temperature (Deg C) -30	-22	-20	-15	-10	-5	0	5	10	20	30
69	**Milton - Tap (Walla Walla - Pendleton 1)**														
	Milton - Coop Tie	0.48	1/0 Cu 7 Str	70	450	430	430	420	400	390	370	355	340	310	280
		0.48													
	Coop Tie - Str 5/7	0.60	1/0 Cu 7 Str	70	450	430	430	420	400	390	370	355	340	310	280
	Str 5/7 - Str 4/6	0.89	1/0 Cu 7 Str	70	450	430	430	420	400	390	370	355	340	310	280
	Str 4/6 - Str 4/5	0.17	397.5 ACSR Lark	70	850	820	810	790	760	740	710	680	650	590	520
	Str 4/5 - Str 4/1	0.27	1/0 Cu 7 Str	70	450	430	430	420	400	390	370	355	340	310	280
	Str 4/1 - Str 3/10	0.22	397.5 ACSR Lark	70	850	820	810	790	760	740	710	680	650	590	520
	Str 3/10 - Tap	2.84	1/0 Cu 7 Str	70	450	430	430	420	400	390	370	355	340	310	280
		4.99													
		5.47													
69	**Mossyrock - Tap (Silver Creek - Glenoma)**														
	Mossyrock - Str 1/1	0.01	1/0 Cu 7 Str	50	410	390	380	370	350	340	320	300	280	240	180
	Str 1/1 - Tap	0.04	4/0 ACSR Penguin	50	480	460	450	430	410	390	370	350	330	270	210
		0.05													
		0.05													
69	**Muddy Ranch - Tap (Fossil - Maupin 1)**														
	? Line section is foreign owned, maximum operating temperature assumed.														
		6.80	266.8 ACSR Partridge	80 ?	680	660	650	640	620	600	580	560	540	500	450
		6.80													
		6.80													
69	**Pendleton - Tap (Roundup - Pendleton)**														
	? Line section is foreign owned, maximum operating temperature assumed.														
		0.15	1/0 Cu 7 Str	50 ?	410	390	380	370	350	340	320	300	280	240	180
		0.15													
		0.15													
69	**Pine Hollow - Tap(The Dalles - Tygh Valley PP&L)**														
		0.20	4/0 ACSR Penguin	50	480	460	450	430	410	390	370	350	330	270	210
		0.20													
		0.20													
69	**Pomeroy - Jerita (Line Leased From IP&L)**														
	+ Line section leased by BPA, 50 degrees celsius assumed as maximum operating temperature unless otherwise noted.														
	Pomeroy - PP&L Tap	8.00	2/0 ACSR Quail	50 +	370	350	340	330	310	300	280	265	250	210	160
		8.00													
	PP&L Tap - Mayview Tap	6.77	2/0 ACSR Quail	50 +	370	350	340	330	310	300	280	265	250	210	160
		6.77													
	Mayview Tap - Str 25/2	9.36	2/0 ACSR Quail	50 +	370	350	340	330	310	300	280	265	250	210	160
	Str 25/2 - Str 25/4	0.34	1/0 F Cu W Cu (6/1)	50 +	390	370	360	350	330	320	300	280	260	220	170
	Str 25/4 - Riperia Tap	4.40	2/0 ACSR Quail	50 +	370	350	340	330	310	300	280	265	250	210	160
		14.10													
	Riperia Tap - Jerita	3.60	2/0 ACSR Quail	50 +	370	350	340	330	310	300	280	265	250	210	160
		3.60													
		32.47													
69	**Riparia - Tap (Jerita - Pomeroy)**														
	? Line section is foreign owned, maximum operating temperature assumed.														
		15.12	2/0 ACSR Quail	50 ?	370	350	340	330	310	300	280	265	250	210	160
		15.12													
		15.12													
69	**Roundup - Pendleton (PP&L)**														
	? Line section is foreign owned, maximum operating temperature assumed.														
	Roundup - Pendleton (UEC) Tap	3.51	397.5 ACSR Ibis	50 ?	770	730	720	690	660	630	600	560	520	440	330
	Pendleton (UEC) Tap - Pendleton (PP&L)	1.32	397.5 ACSR Ibis	50 ?	770	730	720	690	660	630	600	560	520	440	330
		4.83													
		4.83													
69	**Roundup - Ukiah**														
	? Line section is foreign owned, maximum operating temperature assumed.														
	Roundup - Pilot Rock	14.07	1/0 F Cu W Cu (6/1)	50 ?	390	370	360	350	330	320	300	280	260	220	170
		14.07													
	Pilot Rock - Ukiah (Leased)	27.50	1/0 ACSR Raven	50	320	300	300	290	270	260	250	235	220	180	140
		27.50													
		41.57													
69	**Sand Hollow - Tap (Boardman - Ione)**														
	? Line section is foreign owned, maximum operating temperature assumed.														
		11.00	2 F Cu W Cu (6/1)	50 ?	300	280	280	270	250	240	230	215	200	170	130
		11.00													
		11.00													

BONNEVILLE POWER ADMINISTRATION
TRANSMISSION LINE RATINGS

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KV	LINE LOCATION	LENGTH MILES	CONDUCTOR	Max. Oper Temp Deg. C	Allowable Amperage Ratings Ambient Air Temperature (Deg C) -30	-22	-20	-15	-10	-5	0	5	10	20	30
69	**Silver Creek - Glenoma 1**														
	Silver Creek - Str 1/8	0.45	4/0 ACSR Penguin	100	590	570	570	560	540	530	520	505	490	460	430
	Str 1/8 - Str 2/2	0.75	4/0 ACSR Penguin	100	590	570	570	560	540	530	520	505	490	460	430
	Str 2/2 - Str 3/1	0.89	397.5 ACSR Lark	100	950	920	910	890	870	850	830	810	790	740	690
	Str 3/1 - Str 5/3	2.19	4/0 ACSR Penguin	100	590	570	570	560	540	530	520	505	490	460	430
	Str 5/3 - Mossyrock Tap	0.35	4/0 ACSR Penguin	100	590	570	570	560	540	530	520	505	490	460	430
		4.63													
	Mossyrock Tap - Str 6/1	0.01	4/0 ACSR Penguin	100	590	570	570	560	540	530	520	505	490	460	430
	Str 6/1 - Str 6/7	0.31	1/0 Cu 7 Str (Limited)	100 *	480	460	460	450	440	430	410	405	390	370	340
	Str 6/7 - Str 6/14	0.45	1/0 Cu 7 Str (Limited)	100 *	480	460	460	450	440	430	410	405	390	370	340
	Str 6/14 - Str 6/16	0.12	1/0 Cu 7 Str (Limited)	100 *	480	460	460	450	440	430	410	405	390	370	340
	Str 6/16 - Str 8/14	1.86	1/0 Cu 7 Str (Limited)	100 *	480	460	460	450	440	430	410	405	390	370	340
	Str 8/14 - Str 9/2 (Line Switch)	0.35	1/0 Cu 7 Str (Limited)	100 *	480	460	460	450	440	430	410	405	390	370	340
	Str 9/2 - Mossyrock Hydro	0.42	4/0 ACSR Penguin	100	590	570	570	560	540	530	520	505	490	460	430
		3.52													
	Mossyrock Hydro - Str 10/1	0.56	397.5 ACSR Lark	100	950	920	910	890	870	850	830	810	790	740	690
	Str 10/1 - Str 13/2	2.91	4/0 ACSR Penguin	100	590	570	570	560	540	530	520	505	490	460	430
	Str 13/2 - Highland Summit	0.61	1/0 Cu 7 Str (Limited)	100 *	480	460	460	450	440	430	410	405	390	370	340
		4.08													
	Highland Summit - Morton West (LEW)	3.43	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
		3.43													
	Morton West (LEW) - CH 1	0.17	795 ACSR Drake	100 *	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
	CH 1 - Morton (LEW)	0.02	1/0 Cu 7 Str (Limited)	100	480	460	460	450	440	430	410	405	390	370	340
		0.19													
	Morton (LEW) - CH 2	0.03	4/0 ACSR Penguin	100 *	590	570	570	560	540	530	520	505	490	460	430
	CH 2 - Morton East (LEW)	0.14	795 ACSR Drake	100 *	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
		0.17													
	Morton East (LEW) - WTD Tap	3.14	795 ACSR Drake	80	1370	1310	1300	1270	1230	1200	1160	1120	1080	990	900
		3.14													
	WTD Tap - Glenoma	3.74	795 ACSR Drake	80	1370	1310	1300	1270	1230	1200	1160	1120	1080	990	900
		3.74													
		22.90													
69	**Stateline - Tap (Walla Walla - Pendleton 1)**														
	? Line section is foreign owned, maximum operating temperature assumed.														
		1.31	3/0 ACSR Pigeon	50 ?	420	400	390	380	360	340	320	305	290	240	190
		1.31													
		1.31													
69	**Stevensville - Tap (To MPC)**														
		0.05	No 2 ACSR Sparate	50	240	220	220	220	210	200	190	175	160	140	110
		0.05													
		0.05													
69	**The Dalles - Tygh Valley**														
	? Line section is foreign owned, maximum operating temperature assumed.														
	The Dalles - CH 1	2.57	1/0 Cu 7 Str	50 ?	410	390	380	370	350	340	320	300	280	240	180
	CH 1 - Columbia Heights	0.28	1/0 Cu 7 Str	50 ?	410	390	380	370	350	340	320	300	280	240	180
		2.85													
	Columbia Heights - CH 2	9.82	2/0 F Cu W Cu (6/1)	50 ?	450	420	410	400	380	360	340	320	300	250	200
	CH 2 - Dufur	0.62	2/0 F Cu W Cu (6/1)	50 ?	450	420	410	400	380	360	340	320	300	250	200
		10.44													
	Dufur - Pine Hollow Tap	0.43	2/0 F Cu W Cu (6/1)	50 ?	450	420	410	400	380	360	340	320	300	250	200
		0.43													
	Pine Hollow Tap - CH 4	0.06	2/0 F Cu W Cu (6/1)	50 ?	450	420	410	400	380	360	340	320	300	250	200
	CH 4 - CH 5	2.79	2/0 F Cu W Cu (6/1)	50 ?	450	420	410	400	380	360	340	320	300	250	200
	CH 5 - CH 6	2.18	2/0 F Cu W Cu (6/1)	50 ?	450	420	410	400	380	360	340	320	300	250	200
	CH 6 - CH 7	0.53	2/0 F Cu W Cu (6/1)	50 ?	450	420	410	400	380	360	340	320	300	250	200
	CH 7 - CH 8	0.58	2/0 F Cu W Cu (6/1)	50 ?	450	420	410	400	380	360	340	320	300	250	200
	CH 8 - CH 9	4.95	2/0 F Cu W Cu (6/1)	50 ?	450	420	410	400	380	360	340	320	300	250	200
	CH 9 - CH 10	2.75	2/0 F Cu W Cu (6/1)	50 ?	450	420	410	400	380	360	340	320	300	250	200
	CH 10 - Tygh Valley	1.05	2/0 F Cu W Cu (6/1)	50 ?	450	420	410	400	380	360	340	320	300	250	200
		14.89													
		28.61													
69	**Vansycle Ridge Windfarm - Tap(Pndltn - Walla Walla)**														
		0.01	336.4 ACSR Linnet	50	690	660	650	620	590	570	540	505	470	400	300
		0.01													
		0.01													

BONNEVILLE POWER ADMINISTRATION
TRANSMISSION LINE RATINGS

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KV	LINE LOCATION	LENGTH MILES	CONDUCTOR	Max. Oper Temp Deg. C	Allowable Amperage Ratings Ambient Air Temperature (Deg C) -30	-22	-20	-15	-10	-5	0	5	10	20	30
69	**Walla Walla - Freewater 1 (Milton-Freewater LT & PWR)**														
	? Line section is foreign owned, maximum operating temperature assumed.														
	Walla Walla - Twr 1/4	0.30	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Twr 1/4 - Twr 4/7	3.12	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Twr 4/7 - Twr 5/7	1.08	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Twr 5/7 - WA/OR Border	1.29	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
		5.79													
	WA/OR Border - Twr 9/7	2.72	397.5 ACSR Ibis	100	940	910	900	880	860	850	830	805	780	740	690
	Twr 9/7 - Freewater	3.23	397.5 ACSR Ibis	50 ?	770	730	720	690	660	630	600	560	520	440	330
		5.95													
		11.74													
69	**Walla Walla - Pendleton 1**														
	Walla Walla - Twr 1/4	0.30	397.5 ACSR Ibis	80	880	850	840	820	790	770	750	725	700	640	580
	Twr 1/4 - Twr 2/8	1.23	397.5 ACSR Ibis	80	880	850	840	820	790	770	750	725	700	640	580
	Twr 2/8 - Twr 4/7	1.89	397.5 ACSR Ibis	80	880	850	840	820	790	770	750	725	700	640	580
	Twr 4/7 - Twr 5/7	1.08	397.5 ACSR Ibis	80	880	850	840	820	790	770	750	725	700	640	580
	Twr 5/7 - WA/OR Border	1.29	397.5 ACSR Ibis	80	880	850	840	820	790	770	750	725	700	640	580
		5.79													
	WA/OR Border - Twr 9/7	2.72	397.5 ACSR Ibis	80	880	850	840	820	790	770	750	725	700	640	580
	Twr 9/7 - Milton Tap	1.04	3/0 ACSR Pigeon	80	480	460	460	450	430	420	400	390	380	350	310
		3.76													
	Milton Tap - Lagoon Tap	1.10	3/0 ACSR Pigeon	80	480	460	460	450	430	420	400	390	380	350	310
		1.10													
	Lagoon Tap(11/11) - Str 13/4	1.36	3/0 ACSR Pigeon	80	480	460	460	450	430	420	400	390	380	350	310
	Str 13/4 - Stateline Tap	2.26	3/0 ACSR Pigeon	80	480	460	460	450	430	420	400	390	380	350	310
		3.62													
	Stateline Tp - Vansycle Ridge Wndfrm Tp	4.60	397.5 ACSR Ibis	50	770	730	720	690	660	630	600	560	520	440	330
		4.60													
	Vansycle Ridge Wndfrm Tp - Str 25/7	5.81	3/0 ACSR Pigeon	50	420	400	390	380	360	340	320	305	290	240	190
	Str 25/7 - Str 33/4	7.41	3/0 ACSR Pigeon	50	420	400	390	380	360	340	320	305	290	240	190
	Str 33/4 - Mission Tap (Coop)	0.22	3/0 ACSR Pigeon	50	420	400	390	380	360	340	320	305	290	240	190
		13.44													
	Mission Tap (Coop) - Str 39/4	6.11	3/0 ACSR Pigeon	50	420	400	390	380	360	340	320	305	290	240	190
	Str 39/4 - Pendleton	0.57	3/0 ACSR Pigeon	50	420	400	390	380	360	340	320	305	290	240	190
		6.68													
		38.99													
34.5	**Almira(Lincoln Electric Coop) - Tap (Creston - Davenport 1)**														
	+ Line section leased by BPA, 50 degrees celsius assumed as maximum operating temperature unless otherwise noted.														
	Almira - Str 3/1 Coop Tap	2.01	4A Cu W Cu (2/1)	50 +	230	210	210	200	190	190	180	170	160	130	100
		2.01													
	Str 3/1 Coop Tap - Str 3/3	0.23	2A Cu W Cu (2/1)	50 +	300	280	280	270	260	250	230	220	210	170	130
	Str 3/3 - Draper (Coop)	7.76	4A Cu W Cu (2/1)	50 +	230	210	210	200	190	190	180	170	160	130	100
		7.99													
	Draper (Coop) - Wagner Lake	0.04	266.8 ACSR Partridge	50 +	600	570	560	540	510	490	460	435	410	340	260
		0.04													
	Wagner Lake - Str 11/6	0.04	266.8 ACSR Partridge	50 +	600	570	560	540	510	490	460	435	410	340	260
	Str 11/6 - Odessa (15/6)	3.97	4A Cu W Cu (2/1)	50 +	230	210	210	200	190	190	180	170	160	130	100
		4.01													
	Odessa - South Creston(18/10)	3.65	4A Cu W Cu (2/1)	50 +	230	210	210	200	190	190	180	170	160	130	100
		3.65													
	South Creston(18/10) - Tap	1.44	4A Cu W Cu (2/1)	50 +	230	210	210	200	190	190	180	170	160	130	100
		1.44													
		19.14													
34.5	**Creston - Davenport (Lincoln Electric Coop) 1**														
	+ Line section leased by BPA, 50 degrees celsius assumed as maximum operating temperature unless otherwise noted.														
	Creston - Coop Tap	0.02	1/0 Cu 7 Str	50 +	410	390	380	370	350	340	320	300	280	240	180
		0.02													
	Coop Tap - Almira Tap	10.74	1/0 Cu 7 Str	50 +	410	390	380	370	350	340	320	300	280	240	180
		10.74													
	Almira Tap - Coop Pump	5.00	4A Cu W Cu (2/1)	50 +	230	210	210	200	190	190	180	170	160	130	100
		5.00													
	Coop Pump - Davenport	7.94	4A Cu W Cu (2/1)	50 +	230	210	210	200	190	190	180	170	160	130	100
		7.94													
		23.70													
34.5	**Drain - Elkton (Douglas Electric Coop) 1**														
		0.07	No 2 Cu 3 Str	50	310	290	290	280	270	260	240	230	220	180	140
		0.07													
		0.07													
34.5	**Drain - Oakland (Douglas Electric Coop) 2**														
		0.14	No 2 Cu 3 Str	50	310	290	290	280	270	260	240	230	220	180	140
		0.14													
		0.14													

BONNEVILLE POWER ADMINISTRATION
TRANSMISSION LINE RATINGS

KV	LINE LOCATION	LENGTH MILES	CONDUCTOR	Max. Oper Temp Deg. C	Allowable Amperage Ratings Ambient Air Temperature (Deg C) -30	-22	-20	-15	-10	-5	0	5	10	20	30
34.5	**East Hills - Albion 1**														
		5.92	No 5 Cu 3 Str	50	190	180	180	180	170	160	150	140	130	110	90
		5.92													
		5.92													
34.5	**Ferry - Pella (Leased to Unity Power & Light)**														
	? Line section is foreign owned, maximum operating temperature assumed.														
	Str 4/3 - Str 6/3	2.00	No 1 Cu 7 Str	50 ?	350	330	330	320	300	290	280	260	240	210	160
		2.00													
		2.00													
34.5	**Fidalgo - Lopez Island 2**														
	Fidalgo - Splice Box 1	0.06	700 Cu 1/C Cable	75											
	Splice Box 1 - Splice Box 2	4.70	500 KCM CU 3/C Cable-DA	75											
	Splice Box 2 - Splice Box 3	0.01	700 Cu 1/C Cable	75											
	Splice Box 3 - Str 5/9	0.33	1000 Al XLPE Cable	75											
	Str 5/9 - Str 7/6	1.19	397.5 ACSR Ibis	50	770	730	720	690	660	630	600	560	520	440	330
	Str 7/6 - Splice Box 4	0.15	1000 Al XLPE Cable	75											
	Splice Box 4 - Splice Box 5	0.03	700 Cu 1/C Cable	75											
	Splice Box 5 - Splice Box 6	1.97	500 KCM CU 3/C Cable-DA	75											
	Splice Box 6 - Lopez	0.05	700 Cu 1/C Cable	75											
		8.49													
		8.49													
34.5	**Fidalgo - Lopez Island 3**														
	Fidalgo - Splice Box 1	0.06	700 Cu 1/C Cable	75											
	Splice Box 1 - Splice Box 2	4.60	500 KCM CU 3/C Cable-DA	75											
	Splice Box 2 - Splice Box 3	0.05	700 Cu 1/C Cable	75											
	Splice Box 3 - Str 5/9	0.30	1000 Al XLPE Cable	75											
	Str 5/9 - Str 7/6	1.19	397.5 ACSR Ibis	50	770	730	720	690	660	630	600	560	520	440	330
	Str 7/6 - Splice Box 4	0.15	1000 Al XLPE Cable	75											
	Splice Box 4 - Splice Box 5	0.03	700 Cu 1/C Cable	75											
	Splice Box 5 - Splice Box 6	2.14	500 KCM CU 3/C Cable-DA	75											
	Splice Box 6 - Lopez	0.05	700 Cu 1/C Cable	75											
		8.57													
		8.57													
34.5	**Jackson Tap (IP) - First Lift 1**														
	Jackson(IP) Tap - Newcomb	1.30	2/0 Cu 7 Str	50	470	450	440	430	410	390	370	345	320	270	210
		1.30													
	Newcomb - Canal	4.20	2/0 Cu 7 Str	50	470	450	440	430	410	390	370	345	320	270	210
		4.20													
	Canal - Second Lift	1.00	2/0 Cu 7 Str	50	470	450	440	430	410	390	370	345	320	270	210
		1.00													
	Second Lift - CH 1	0.85	2/0 Cu 7 Str	50	470	450	440	430	410	390	370	345	320	270	210
	CH 1 - First Lift	0.64	No 1 Cu 7 Str	50	350	330	330	320	300	290	280	260	240	210	160
		1.49													
		7.99													
34.5	**Jackson Tap (IP) - First Lift 2**														
	Jackson (IP) Tap - Canal	5.50	2/0 Cu 7 Str	50	470	450	440	430	410	390	370	345	320	270	210
		5.50													
	Canal - Second Lift	1.00	No 1 Cu 7 Str	50	350	330	330	320	300	290	280	260	240	210	160
		1.00													
	Second Lift - First Lift	1.35	No 1 Cu 7 Str	50	350	330	330	320	300	290	280	260	240	210	160
		1.35													
		7.85													
34.5	**Magic Valley Co-gen - Hay Mill**														
	Magic Valley Co-gen - Hay Mill	0.23	4/0 ACSR Penguin	80	550	530	520	510	500	490	470	450	430	400	360
		0.23													
		0.23													
34.5	**Minidoka PH - Idahome 1**														
	? Line section is foreign owned, maximum operating temperature assumed.														
	Minidoka PH - Twr 06	0.64	397.5 AAC Canna	50	750	710	700	680	650	620	580	545	510	430	320
	Twr 0/6 - CH 1	0.27	397.5 AAC Canna	50	750	710	700	680	650	620	580	545	510	430	320
	CH 1 - Murphy	2.70	336.4 ACSR Oriole	50 ?	700	660	650	630	600	570	540	510	480	400	300
		3.61													
	Murphy - Delco	4.00	336.4 ACSR Oriole	50	700	660	650	630	600	570	540	510	480	400	300
		4.00													
	Declo - Cotrell	4.00	336.4 ACSR Oriole	50 ?	700	660	650	630	600	570	540	510	480	400	300
		4.00													
	Cotrell - Yale Tap	0.80	336.4 ACSR Oriole	50 ?	700	660	650	630	600	570	540	510	480	400	300
		0.80													
	Yale Tap - Idahome	6.30	336.4 ACSR Oriole	50 ?	700	660	650	630	600	570	540	510	480	400	300
		6.30													
		18.71													

BONNEVILLE POWER ADMINISTRATION
TRANSMISSION LINE RATINGS

KV	LINE LOCATION	LENGTH MILES	CONDUCTOR	Max. Oper Temp Deg. C	Allowable Amperage Ratings Ambient Air Temperature (Deg C) -30	-22	-20	-15	-10	-5	0	5	10	20	30
34.5	**Second Lift - Third Lift**														
		0.58	No 1 Cu 7 Str	50	350	330	330	320	300	290	280	260	240	210	160
		0.58													
		0.58													
34.5	**Warren - Vernonia**														
	? Line section is foreign owned, maximum operating temperature assumed.														
		16.20	1/0 ACSR Raven	50 ?	320	300	300	290	270	260	250	235	220	180	140
		16.20													
		16.20													
24.9	**Lopez Island - Decatur(OP&L) 1**														
	? Line section is foreign owned, maximum operating temperature assumed.														
	Lopez - Str 9/1	1.72	500 KCM CU 3/C Cable-DA	75 ?											
	Str 9/1 - Str 7/10	2.04	300 Cu 3/C Cable	75 ?											
	Str 7/10 - Decatur	1.19	397.5 ACSR Ibis	50 ?	770	730	720	690	660	630	600	560	520	440	330
		4.95													
		4.95													
24.9	**Tillamook - Tillamook Air Base**														
	Tillamook - Str 33/23	0.05	1/0 Cu 7 Str	50	410	390	380	370	350	340	320	300	280	240	180
	Str 33/23 - Str 31/15	1.97	1/0 Cu 7 Str	50	410	390	380	370	350	340	320	300	280	240	180
	Str 31/15 - Trask Tap	0.73	1/0 Cu 7 Str	50	410	390	380	370	350	340	320	300	280	240	180
		2.75													
	Trask Tap - Str 30/1	1.24	1/0 Cu 7 Str	50	410	390	380	370	350	340	320	300	280	240	180
	Str 30/1 - Tillamook Air Base	0.24	1/0 Cu 7 Str	50	410	390	380	370	350	340	320	300	280	240	180
		1.48													
		4.23													
13.8	**Bell - Kaiser Plant Feeder 1**														
		0.16	3-1250 Cu 61 Str	50	5589	5274	5193	4980	4761	4527	4281	4017	3735	3087	2247
		0.16													
		0.16													
13.8	**Bell - Kaiser Plant Feeder 2**														
		0.15	3-1250 Cu 61 Str	50	5589	5274	5193	4980	4761	4527	4281	4017	3735	3087	2247
		0.15													
		0.15													
13.8	**Bell - Kaiser Plant Feeder 3**														
		0.15	2-1000 Cu 37 Str	50	3272	3090	3042	2918	2790	2654	2510	2356	2192	1816	1330
		0.15													
		0.15													
13.8	**Bell - Kaiser Plant Feeder 4**														
		0.19	2-1000 Cu 37 Str	50	3272	3090	3042	2918	2790	2654	2510	2356	2192	1816	1330
		0.19													
		0.19													
13.8	**Bell - Kaiser Plant Feeder 5**														
		0.24	2-1000 Cu 37 Str	50	3272	3090	3042	2918	2790	2654	2510	2356	2192	1816	1330
		0.24													
		0.24													
13.8	**Bell - Kaiser Plant Feeder 6**														
		0.24	2-1000 Cu 37 Str	50	3272	3090	3042	2918	2790	2654	2510	2356	2192	1816	1330
		0.24													
		0.24													
13.8	**Bell - Kaiser Plant Feeder 7**														
		0.29	3-1033.5 AAC Bluebell	50	4044	3819	3759	3606	3447	3279	3102	2913	2709	2241	1641
		0.29													
		0.29													
13.8	**Bell - Kaiser Plant Feeder 8**														
		0.25	3-1033.5 ACSR Curlew	50	4173	3939	3879	3720	3555	3381	3198	3003	2790	2307	1683
		0.25													
		0.25													
13.8	**Bell - Pacific NW Alloys Feeder 1**														
		0.90	500 Cu 37 Str	50	1090	1030	1010	970	930	890	840	790	740	620	460
		0.90													
		0.90													
13.8	**Bell - Pacific NW Alloys Feeder 2**														
		0.90	500 Cu 37 Str	50	1090	1030	1010	970	930	890	840	790	740	620	460
		0.90													
		0.90													

BONNEVILLE POWER ADMINISTRATION
TRANSMISSION LINE RATINGS

KV	LINE LOCATION	LENGTH MILES	CONDUCTOR	Max. Oper Temp Deg. C	Allowable Amperage Ratings Ambient Air Temperature (Deg C) -30	-22	-20	-15	-10	-5	0	5	10	20	30
13.8	**Big Cliff - Detroit PH 1**														
	Big Cliff - Detroit Tap	2.64	795 ACSR Drake	100	1460	1420	1410	1380	1350	1320	1280	1250	1220	1150	1070
		2.64													
	Detroit Tap - Detroit	0.19	795 ACSR Drake	50	1190	1130	1110	1070	1020	970	920	860	800	670	490
		0.19													
		2.83													
13.8	**Big Cliff - Detroit PH 2**														
		2.83	795 ACSR Drake	50	1190	1130	1110	1070	1020	970	920	860	800	670	490
		2.83													
		2.83													
13.8	**Chief Joseph - Foster Creek (NVEC) 1**														
	Chief Joseph - Str 1/8	0.27	795 ACSR Drake	50	1190	1130	1110	1070	1020	970	920	860	800	670	490
	Str 1/8 - Foster Creek (NVEC)	0.13	No 2 Alum 1/C Cable	75											
		0.40													
		0.40													
13.8	**Detroit - Detroit PH**														
	? Line section is foreign owned, maximum operating temperature assumed.														
		0.19	4/0 Cu 3/C PI Cable	75 ?											
		0.19													
		0.19													
13.8	**Detroit - Tap (Big Cliff - Detroit PH 1)**														
		0.04	795 ACSR Drake	50	1190	1130	1110	1070	1020	970	920	860	800	670	490
		0.04													
		0.04													
13.8	**John Day - John Day PH**														
	John Day - Twr 1/1	0.01	4/0 ACSR Penguin	50	480	460	450	430	410	390	370	350	330	270	210
	Twr 1/1 - Twr 1/2	0.30	397.5 ACSR Lark	50	780	730	720	690	660	630	600	565	530	440	330
	Twr 1/2 - John Day PH	3.00	4/0 ACSR Penguin	50	480	460	450	430	410	390	370	350	330	270	210
		3.31													
		3.31													
13.8	**Midway - Riverland (AEC)**														
		2.36	1/0 ACSR Raven	50	320	300	300	290	270	260	250	235	220	180	140
		2.36													
		2.36													
13.8	**Wauna (CLT) - Driscoll 1**														
	Wauna (CLT) - Str 1/1	0.26	1/0 Alum 19 Str 1/C Cable	75											
	Str 1/1 - Driscoll	0.17	4/0 ACSR Penguin	50	480	460	450	430	410	390	370	350	330	270	210
		0.43													
		0.43													
13.2	**Big Eddy - Celilo Feeder 1**														
		0.77	750 Alum 3/C Cable	75											
		0.77													
		0.77													
13.2	**Big Eddy - Celilo Feeder 2**														
		0.91	750 Alum 3/C Cable	75											
		0.91													
		0.91													
13.2	**Big Eddy - Celilo Feeder 3**														
		0.93	750 Alum 3/C Cable	75											
		0.93													
		0.93													
13.2	**Big Eddy - Celilo Feeder 4**														
		0.85	500 Alum 1/C Cable	75											
		0.85													
		0.85													
13.2	**Big Eddy - Celilo Feeder 5**														
		1.05	500 Alum 1/C Cable	75											
		1.05													
		1.05													
13.2	**Lake Creek Hydro - Troy**														
	Lake Creek Hydro - Troy	0.62	266.8 ACSR Partridge	100	730	710	700	690	670	660	640	625	610	570	530
		0.62													
		0.62													

BONNEVILLE POWER ADMINISTRATION
TRANSMISSION LINE RATINGS

Prepared by
RDH and TKL / TOP

KV	LINE LOCATION	LENGTH MILES	CONDUCTOR	Max. Oper Temp Deg. C	Allowable Amperage Ratings Ambient Air Temperature (Deg C) -30	-22	-20	-15	-10	-5	0	5	10	20	30
12.5	**Albany - Bureau of Mines**														
	! Conductor current ratings limited to 200 amps due to compression fittings.														
		0.31	4/0 ACSR Penguin	100 !	590	570	570	560	540	530	520	505	490	460	430
		0.31													
		0.31													
12.5	**Drain - Drain (City of)**														
		0.10	2/0 Cu MHD 7 Str	50	470	450	440	430	410	390	370	345	320	270	210
		0.10													
		0.10													
12.5	**Hood River - Hood River Electric Coop**														
	Hood River - Str 1/13	0.57	250 Cu PH D 1319 HSC	50	730	690	680	660	630	600	570	535	500	420	320
	Str 1/13 - Str 1/14	0.30	397.5 ACSR Ibis	50	770	730	720	690	660	630	600	560	520	440	330
		0.87													
		0.87													
12.5	**Pella - Tap(Beverly - Second Lift)**														
		1.16	No 1 Cu 7 Str	50	350	330	330	320	300	290	280	260	240	210	160
		1.16													
		1.16													
12	**Grand Coulee - Lone Pine (NVEC)**														
	? Line section is foreign owned, maximum operating temperature assumed.														
	Grand Coulee - CH 1	0.08	500 Cu 3/C Cable	75 ?											
	CH 1 - CH 2	1.93	250 Cu 19 Str	50 ?	710	670	660	640	610	580	550	515	480	400	310
	CH 2 - CH 3	0.69	397.5 ACSR Ibis	50 ?	770	730	720	690	660	630	600	560	520	440	330
	CH 3 - Coulee City	0.03	4/0 Cu 7 Str	50 ?	640	600	590	570	550	520	490	460	430	370	280
		2.73													
	Coulee City - Lone Pine (NVEC)	0.05	4/0 Cu 7 Str	50 ?	640	600	590	570	550	520	490	460	430	370	280
		0.05													
		2.78													
7.2	**Heybrook VHF Radio Station Power Service**														
		0.36	No 4 ACSR Swanate	50	180	170	170	170	160	150	140	130	120	110	80
		0.36													
		0.36													
7.2	**Teanaway MWR Station Power Service**														
		1.80	No 2 ACSR Sparate	50	240	220	220	220	210	200	190	175	160	140	110
		1.80													
		1.80													
5	**Little Goose PH - SW YD 1**														
		1.33	No 2 Alum 1/C Cable	75											
		1.33													
		1.33													
5	**Little Goose PH - SW YD 2**														
		1.33	No 2 Alum 1/C Cable	75											
		1.33													
		1.33													