

AESO AIES 2017 Transmission Bus Loss Factors
2017 Non-Binding Loss Factors - Scenario E: With Shepard generation dispatched

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|---|---|
| 1 | The loss factor values listed are determined at buses with base voltage of 138kV or above, and are illustrative only |
| 2 | The loss factor calculation does not include an assessment for voltage or congestion criteria |
| 3 | For accuracy, a full study for each proposed generator would be required and the loss factor calculated accordingly |
| 4 | Please refer to the AESO facility map for Area definitions |
| 5 | Bus kV of a fictitious bus is assigned as the highest Bus kV of the buses they represent for convenience of presentation |
| 6 | BC and SK intetie loss factors are not included as they have been presented in the original 2017 5th year loss factor posting |

Area	Bus Number	Bus Name	Bus kV	LF
36 ALLIANCE	1491	BAT. RV7	138	7.75%
36 ALLIANCE	13491	757S702T	138	7.75%
36 ALLIANCE	14491	757S705T	138	7.75%
43 SHEERNES	759	WINTHV	138	7.51%
43 SHEERNES	1485	ANDERSON	138	7.38%
43 SHEERNES	10484	801S901T	240	7.37%
43 SHEERNES	1460	WINT HI7	138	7.36%
42 HANNA	10426	HANNA 6B	138	7.35%
43 SHEERNES	1484	ANDERSO4	240	7.34%
36 ALLIANCE	10491	757S701T	138	7.33%
43 SHEERNES	10482	807S904T	240	7.29%
43 SHEERNES	1481	SHEER 14	240	7.29%
43 SHEERNES	1486	SHEER 24	240	7.29%
43 SHEERNES	10487	807S905T	240	7.29%
42 HANNA	10447	963S_M	240	7.28%
36 ALLIANCE	1469	BAT RV79	240	7.27%
4 MEDICINE	294	TOTHILL1	138	7.27%
43 SHEERNES	1463	BULLPON7	138	7.25%
53 FORT MAC	10418	ARD_TM1	138	7.25%
42 HANNA	1421	963_LV	138	7.22%
42 HANNA	1435	HALKIRK1	240	7.22%
42 HANNA	1440	946S_HV	240	7.20%
42 HANNA	1447	963S_HV	240	7.19%
4 MEDICINE	839	600AL TA	138	7.14%
43 SHEERNES	10460	804S701T	138	7.13%
4 MEDICINE	284	BUTTE7	138	7.11%
42 HANNA	1426	HANNA 6	138	7.07%
43 SHEERNES	10485	801S701T	138	7.06%
43 SHEERNES	1431	SWITCH_H	240	7.05%
36 ALLIANCE	1489	BAT RV80	240	7.01%
42 HANNA	1499	CORDEL 4	240	7.01%
43 SHEERNES	10463	803S701T	138	7.01%
42 HANNA	1438	959S_HV	240	6.84%
42 HANNA	19438	959S_LV	138	6.83%
42 HANNA	11438	959S_MA	240	6.83%
42 HANNA	10438	959S_M	240	6.83%
42 HANNA	857	KSP4	138	6.83%
42 HANNA	1459	EXCEL7	138	6.82%
53 FORT MAC	10328	MACLEOD8	138	6.77%
42 HANNA	1474	OYEN 7	138	6.75%
37 PROVOST	1349	ARMIT7	138	6.74%
36 ALLIANCE	1403	PAINTRT4	240	6.65%
42 HANNA	1448	MICH. C7	138	6.65%
42 HANNA	10448	802S701T	138	6.65%
53 FORT MAC	739	ARD_01	138	6.61%
36 ALLIANCE	1007	HEIS_TP8	138	6.60%
36 ALLIANCE	1464	HEISLER7	138	6.60%
53 FORT MAC	10417	ARD_TM2	138	6.55%
36 ALLIANCE	10464	764S701T	138	6.52%
42 HANNA	1419	932_HVA	240	6.38%
4 MEDICINE	271	BULLS H7	138	6.36%
53 FORT MAC	5340	SUM12	138	6.36%
47 BROOKS	225	WARE JCT	240	6.35%
4 MEDICINE	10132	547ST1_M	240	6.35%
42 HANNA	10474	767S701T	138	6.35%
42 HANNA	19419	932_LV	138	6.35%
4 MEDICINE	531	WILDRO1	240	6.34%
42 HANNA	1471	MONITOR7	138	6.34%
4 MEDICINE	680	SOUTHRI9	138	6.34%
53 FORT MAC	328	MACLEOD1	138	6.30%
42 HANNA	11419	932S_MA	240	6.30%

Area	Bus Number	Bus Name	Bus kV	LF
42 HANNA	10419	932S_M	240	6.30%
4 MEDICINE	10134	547ST2_M	240	6.27%
42 HANNA	1410	CURR_TAP	138	6.26%
53 FORT MAC	11328	MACLEO11	138	6.25%
42 HANNA	1458	LOYALIS7	138	6.24%
53 FORT MAC	748	608AL_TP	138	6.23%
42 HANNA	10471	774S701T	138	6.22%
53 FORT MAC	358	SODER1	138	6.20%
37 PROVOST	1446	CURRANT7	138	6.16%
32 WAINWRIG	78	SEDEWI7	138	6.16%
37 PROVOST	649	HANSMAN7	240	6.11%
37 PROVOST	87	METIS644	240	6.11%
4 MEDICINE	659	EASTMEDH	138	6.09%
42 HANNA	1436	954S_HV	138	6.04%
4 MEDICINE	477	ELKWATR1	240	6.03%
47 BROOKS	430	W BROOK4	240	6.00%
47 BROOKS	918	CASS01	240	6.00%
4 MEDICINE	669	MEDHAT2	240	6.00%
32 WAINWRIG	1427	NILREM3	240	5.99%
37 PROVOST	648	HANSMAN9	138	5.99%
47 BROOKS	1012	NEWELL2	240	5.99%
47 BROOKS	1618	NEWELL1	240	5.99%
47 BROOKS	1620	POI1	240	5.99%
47 BROOKS	1621	POI2	240	5.99%
37 PROVOST	74	METIS647	138	5.98%
37 PROVOST	989	703ALTAP	138	5.97%
37 PROVOST	112	SUNKEN7	138	5.97%
49 STAVELY	736	BSR_1	240	5.95%
4 MEDICINE	662	SUBD1	240	5.94%
42 HANNA	1470	VETERAN7	138	5.93%
47 BROOKS	276	W BROOK7	138	5.90%
42 HANNA	603	GHOSTPI1	138	5.89%
37 PROVOST	1425	EYRE_TAP	138	5.88%
48 EMPRESS	260	JENNER 4	240	5.87%
32 WAINWRIG	19427	NILREM5	138	5.87%
42 HANNA	1477	RIBSTON1	138	5.85%
42 HANNA	716	LAKESEN7	138	5.82%
53 FORT MAC	901	MCBRIDE1	138	5.82%
48 EMPRESS	5260	JENNERE9	240	5.80%
53 FORT MAC	5339	SUMV11	138	5.80%
32 WAINWRIG	483	TUCUMAN7	138	5.79%
48 EMPRESS	6260	JENNER 9	240	5.79%
53 FORT MAC	837	SODGLTAP	138	5.78%
53 FORT MAC	230	OLDMAN D	138	5.77%
53 FORT MAC	336	SUMMER01	138	5.76%
53 FORT MAC	334	SUMMER04	138	5.75%
4 MEDICINE	611	SUBC_240	240	5.75%
32 WAINWRIG	73	HARDIST7	138	5.74%
49 STAVELY	737	SW_SUB_1	240	5.74%
42 HANNA	602	GHOSTPI3	138	5.74%
53 FORT MAC	652	SC1A	240	5.74%
53 FORT MAC	653	SC1B	240	5.74%
37 PROVOST	809	EXPRESTP	138	5.73%
32 WAINWRIG	37	HRT EXP7	138	5.73%
32 WAINWRIG	715	CLIPP_TP	138	5.73%
32 WAINWRIG	484	CLIPPER7	138	5.73%
32 WAINWRIG	373	IPL HAR7	138	5.73%
37 PROVOST	1451	EYRE7	138	5.72%
53 FORT MAC	543	OLDMAN1	138	5.71%
53 FORT MAC	722	WINDYTP	138	5.70%
47 BROOKS	256	BROOKS 7	138	5.70%
59 RUTH LAK	1200	RUTH LK4	240	5.68%
53 FORT MAC	402	KETTLES1	138	5.68%
53 FORT MAC	409	KETTLES	138	5.65%
53 FORT MAC	752	FIDLER02	138	5.64%
53 FORT MAC	166	PEIGAN 7	138	5.63%
37 PROVOST	75	HUGHEND7	138	5.63%
55 GLENWOOD	451	MONTANA1	240	5.60%
42 HANNA	1433	3 HILLS7	138	5.60%
48 EMPRESS	677	CYPRES2	240	5.59%
48 EMPRESS	6262	163ST1	240	5.55%

Area	Bus Number	Bus Name	Bus kV	LF
55 GLENWOOD	251	GARDN1	138	5.55%
48 EMPRESS	674	CYPRES1	138	5.54%
48 EMPRESS	5262	163ST2	240	5.54%
53 FORT MAC	751	FIDLER01	240	5.54%
48 EMPRESS	1453	KSP_TAP	138	5.52%
48 EMPRESS	292	JENNER7	138	5.52%
53 FORT MAC	346	GOOSEL4	240	5.52%
37 PROVOST	86	PROVOST7	138	5.52%
47 BROOKS	826	831A TAP	138	5.51%
47 BROOKS	445	CUTNG L7	138	5.51%
53 FORT MAC	296	GOOSEL7	138	5.51%
53 FORT MAC	224	PINCHER7	138	5.51%
53 FORT MAC	221	CRR-W1	240	5.50%
47 BROOKS	877	BASNTAP	138	5.49%
53 FORT MAC	234	CASTRIV1	138	5.48%
47 BROOKS	943	MILO 1	240	5.48%
53 FORT MAC	656	RUSSEL1	138	5.47%
48 EMPRESS	267	DOVE EM7	138	5.45%
48 EMPRESS	344	WARLOW7	138	5.44%
48 EMPRESS	266	EMPRESA7	138	5.44%
48 EMPRESS	53	SANDYPT7	138	5.44%
48 EMPRESS	5053	204ST1	138	5.44%
48 EMPRESS	111	SANDHIL7	138	5.44%
55 GLENWOOD	694	MAGRATH7	138	5.43%
55 GLENWOOD	794	MAGRATH9	138	5.43%
48 EMPRESS	1452	CVD_TAP	138	5.43%
54 LETHBRID	167	N LETHB4	240	5.42%
47 BROOKS	250	DUCHESS7	138	5.42%
53 FORT MAC	165	PEIGAN 4	240	5.41%
48 EMPRESS	911	EMPLIQTP	138	5.40%
48 EMPRESS	1454	BINDLOS7	138	5.39%
53 FORT MAC	229	170AL-TA	138	5.39%
48 EMPRESS	1456	CAVDISH1	138	5.39%
53 FORT MAC	823	725BL	138	5.36%
48 EMPRESS	263	EMP LIQ7	138	5.36%
53 FORT MAC	4458	CHAPR2	240	5.31%
55 GLENWOOD	233	DRYWOOD7	138	5.25%
54 LETHBRID	692	N LETHB7	138	5.23%
42 HANNA	1429	948S_HV	138	5.23%
47 BROOKS	399	BASSAN7	138	5.23%
54 LETHBRID	691	LETH241S	138	5.19%
54 LETHBRID	419	ABG1_138	138	5.18%
54 LETHBRID	696	LETH146S	138	5.16%
53 FORT MAC	237	FORT MA7	138	5.09%
54 LETHBRID	697	LETH593S	138	5.09%
54 LETHBRID	699	RIVERBN7	138	5.08%
54 LETHBRID	367	CHINOOK1	138	5.05%
54 LETHBRID	679	LETH111S	138	5.05%
53 FORT MAC	939	RVBD TAP	138	5.05%
54 LETHBRID	916	MONAR TP	138	5.03%
54 LETHBRID	698	LETH674S	138	5.02%
54 LETHBRID	400	MONARCH7	138	4.95%
45 STRATHMO	333	QUENSTWN	138	4.92%
45 STRATHMO	758	200S138	138	4.91%
42 HANNA	1422	NEVIS 4	240	4.83%
42 HANNA	10769	769S701T	138	4.73%
42 HANNA	1423	NEVIS 7	138	4.71%
42 HANNA	10422	766S901T	240	4.70%
54 LETHBRID	406	CHIN CH7	138	4.66%
49 STAVELY	244	VULCAN 7	138	4.66%
56 VEGREVIL	76	IPPL ST7	138	4.65%
42 HANNA	10423	766S701T	138	4.64%
53 FORT MAC	642	SC1C	240	4.63%
53 FORT MAC	643	SC1D	240	4.63%
49 STAVELY	279	STAVELEY	138	4.63%
42 HANNA	1428	769_HVR	138	4.61%
54 LETHBRID	389	HILLRIDG	138	4.61%
54 LETHBRID	690	COALDAL7	138	4.56%
54 LETHBRID	869	CHIN CH	138	4.53%
45 STRATHMO	247	CAVALIER	138	4.50%
49 STAVELY	235	STAVELY7	138	4.48%

Area	Bus Number	Bus Name	Bus kV	LF
45 STRATHMO	5247	CAV T101	138	4.46%
55 GLENWOOD	293	STIRLIN7	138	4.42%
52 VAUXHALL	928	ENCH TAP	138	4.39%
45 STRATHMO	5251	WYNDHAM	138	4.39%
45 STRATHMO	340	NAMAKA 7	138	4.35%
45 STRATHMO	252	CARSELA7	138	4.34%
54 LETHBRID	834	CHIN_CHT	138	4.24%
6 CALGARY	158	LANGDON2	500	4.22%
52 VAUXHALL	286	ENCHANT7	138	4.15%
45 STRATHMO	315	HUSSAR	138	4.10%
45 STRATHMO	254	GLEICHE7	138	4.03%
47 BROOKS	275	TILLEY 7	138	4.03%
45 STRATHMO	253	BLACKIE7	138	4.03%
37 PROVOST	814	KILRY TP	138	3.98%
6 CALGARY	5159	102ST4	240	3.97%
6 CALGARY	159	LANGDON4	240	3.97%
57 AIRDRIE	485	HVDC_P1	240	3.97%
6 CALGARY	772	ENMX25S7	240	3.91%
6 CALGARY	5158	102ST1	240	3.90%
6 CALGARY	640	FOOTHLL2	138	3.88%
46 HIGH RIV	768	SB_240	240	3.85%
6 CALGARY	617	FOOTHLL1	240	3.85%
46 HIGH RIV	453	458S_240	240	3.85%
6 CALGARY	160	JANET 4	240	3.82%
45 STRATHMO	259	STRATHM7	138	3.81%
52 VAUXHALL	401	HAYS 7	138	3.81%
52 VAUXHALL	343	TABERW1	138	3.80%
52 VAUXHALL	274	VAUXHAL7	138	3.79%
32 WAINWRIG	297	WAINWRI7	138	3.69%
6 CALGARY	544	ENMX65S4	240	3.64%
52 VAUXHALL	828	PURSPRW4	138	3.59%
46 HIGH RIV	239	OKOTOKS7	138	3.56%
46 HIGH RIV	886	MAG TAP7	138	3.56%
46 HIGH RIV	242	HIGH RI7	138	3.56%
46 HIGH RIV	240	MAGCAN 7	138	3.56%
6 CALGARY	570	ENMX65S7	138	3.51%
34 ABRAHAM	103	BIG HOR7	138	3.51%
32 WAINWRIG	72	JARROW 7	138	3.51%
32 WAINWRIG	1490	JAROW TP	138	3.51%
52 VAUXHALL	2400	HULL	138	3.51%
6 CALGARY	207	JANET 7	138	3.47%
4 MEDICINE	320	CHAPPIC7	138	3.45%
4 MEDICINE	645	ESTMEDH2	138	3.43%
52 VAUXHALL	272	TABER 7	138	3.41%
6 CALGARY	589	ENMX26S7	138	3.37%
57 AIRDRIE	312	E CROSS7	138	3.34%
52 VAUXHALL	291	CONRAD 7	138	3.34%
46 HIGH RIV	972	BIGROCK1	138	3.33%
52 VAUXHALL	31	FINCAST7	138	3.31%
57 AIRDRIE	156	E CROSS4	240	3.31%
57 AIRDRIE	988	CROSSF T	240	3.31%
6 CALGARY	574	ENMX37S7	138	3.30%
6 CALGARY	590	ENMX24S7	138	3.29%
6 CALGARY	187	BEDDING1	240	3.25%
46 HIGH RIV	960	HART TAP	138	3.24%
46 HIGH RIV	243	HARTELL7	138	3.24%
6 CALGARY	162	E CALGAR	240	3.20%
6 CALGARY	547	ENMX54S7	138	3.18%
6 CALGARY	5290	BALZ T1	138	3.16%
46 HIGH RIV	238	BLACK D7	138	3.16%
6 CALGARY	290	BALZ COG	138	3.13%
6 CALGARY	579	ENMX31S7	138	3.11%
6 CALGARY	198	BALZAC 7	138	3.11%
6 CALGARY	127	BEDDING2	138	3.10%
6 CALGARY	583	ENMX32S7	138	3.10%
6 CALGARY	573	ENMX38S7	138	3.09%
40 LAKE WAB	420	KEEPHIL4	240	3.06%
6 CALGARY	577	ENMX23S7	138	3.06%
40 LAKE WAB	865	1043L-X4	240	3.03%
6 CALGARY	585	ENMX9S 7	138	3.01%
57 AIRDRIE	933	AIRD TAP	138	3.01%

Area	Bus Number	Bus Name	Bus kV	LF
6 CALGARY	576	ENMX47S7	138	2.99%
6 CALGARY	591	ENMX40S7	138	2.98%
57 AIRDRIE	318	W CROSSF	138	2.97%
6 CALGARY	501	ENMXBON	138	2.93%
6 CALGARY	5501	417S.1TR	138	2.93%
6 CALGARY	6501	417S.2TR	138	2.93%
6 CALGARY	208	ENMX2S 7	138	2.93%
6 CALGARY	572	ENMX39S7	138	2.93%
37 PROVOST	219	KILLARN7	138	2.92%
57 AIRDRIE	503	SUMMIT_7	138	2.91%
6 CALGARY	592	ENMX41S7	138	2.90%
57 AIRDRIE	729	SUMMITTP	138	2.89%
57 AIRDRIE	425	NOSE CR7	138	2.88%
39 DIDSBUY	661	HAZLWOD1	240	2.87%
40 LAKE WAB	864	1043L-N4	240	2.87%
6 CALGARY	581	ENMX12S7	138	2.87%
57 AIRDRIE	810	AMOCOTAP	138	2.85%
6 CALGARY	161	SARCEE 4	240	2.84%
6 CALGARY	594	ENMX33S7	138	2.83%
39 DIDSBUY	787	HAZLWOD2	138	2.83%
4 MEDICINE	270	SUFFIEL7	138	2.83%
6 CALGARY	601	2.83 TAP	138	2.82%
6 CALGARY	571	ENMX43S7	138	2.82%
40 LAKE WAB	421	KEEPHIL5	240	2.80%
40 LAKE WAB	132	SUNDANC7	138	2.79%
57 AIRDRIE	295	DRYCREEK	138	2.79%
6 CALGARY	587	ENMX6S7	138	2.78%
37 PROVOST	362	EDGERTO7	138	2.77%
6 CALGARY	559	ENMX13S7	138	2.76%
6 CALGARY	550	ENMX22S7	138	2.76%
40 LAKE WAB	500	KEEPHIL1	138	2.75%
40 LAKE WAB	423	KEEPHIL7	138	2.75%
40 LAKE WAB	897	GENESE T	138	2.75%
40 LAKE WAB	431	KEEP_3	138	2.74%
6 CALGARY	568	ENMX5S 7	138	2.74%
52 VAUXHALL	269	BURDETT7	138	2.73%
40 LAKE WAB	984	HIGHVL T	138	2.73%
40 LAKE WAB	459	ROSEVAL1	138	2.73%
6 CALGARY	567	ENMX1S 7	138	2.73%
6 CALGARY	588	ENMX8S 7	138	2.73%
40 LAKE WAB	983	MARION T	138	2.73%
39 DIDSBUY	120	INNISFA7	138	2.72%
6 CALGARY	569	ENMX3S 7	138	2.72%
6 CALGARY	202	SARCEE 7	138	2.72%
6 CALGARY	586	ENMX30S7	138	2.72%
6 CALGARY	5161	SARCEE M	138	2.72%
6 CALGARY	20202	SARCEE M	138	2.72%
6 CALGARY	551	ENMX28S7	138	2.72%
35 RED DEER	152	RED DEE4	240	2.72%
6 CALGARY	561	ENMX11S7	138	2.71%
40 LAKE WAB	302	MARION 7	138	2.70%
6 CALGARY	548	ENMX10S7	138	2.69%
6 CALGARY	5571	43.1TR	138	2.69%
44 SEEBE	193	KANANAS7	138	2.67%
52 VAUXHALL	277	WESTFLD7	138	2.66%
6 CALGARY	6571	43.2TR	138	2.65%
6 CALGARY	566	ENMX20S7	138	2.65%
44 SEEBE	216	BARRIER7	138	2.64%
44 SEEBE	171	SEEBE 7	138	2.64%
57 AIRDRIE	177	AIRDRIE	138	2.63%
6 CALGARY	552	ENMX21S7	138	2.62%
40 LAKE WAB	525	GENESEE4	500	2.61%
35 RED DEER	623	DCGEN_P1	500	2.59%
35 RED DEER	630	SUNNYB1	500	2.59%
40 LAKE WAB	8526	GENTC2A	500	2.58%
40 LAKE WAB	7526	GENTC1A	500	2.58%
40 LAKE WAB	135	SUNDANC4	240	2.57%
40 LAKE WAB	526	GENESEE7	138	2.56%
40 LAKE WAB	510	KEEPHIL3	500	2.56%
40 LAKE WAB	610	KEEPHIL2	500	2.55%
39 DIDSBUY	639	JOHNSON1	240	2.53%

Area	Bus Number	Bus Name	Bus kV	LF
35 RED DEER	155	BENALTO4	240	2.52%
44 SEE BE	211	MOUNT A7	138	2.51%
6 CALGARY	596	ENMX7S7	138	2.51%
6 CALGARY	5550	22.1TR	138	2.50%
44 SEE BE	184	BEARSPAW	138	2.50%
44 SEE BE	310	SPRAY S	138	2.47%
44 SEE BE	444	SPRINGB7	138	2.46%
6 CALGARY	6550	22.3TR	138	2.46%
44 SEE BE	180	GHOST 7	138	2.46%
35 RED DEER	99	BENALTO7	138	2.44%
44 SEE BE	925	JUMP TP2	138	2.44%
44 SEE BE	201	JUMPPND7	138	2.44%
39 DIDS BURY	790	JOHNSON2	138	2.44%
6 CALGARY	564	ENMX36S7	138	2.44%
35 RED DEER	117	RED DE A	138	2.43%
35 RED DEER	118	RED DE B	138	2.43%
35 RED DEER	147	GAETZ 4	240	2.42%
44 SEE BE	195	RUNDLE S	138	2.40%
6 CALGARY	555	ENMX14S7	138	2.40%
35 RED DEER	780	SYLV_138	138	2.39%
44 SEE BE	900	JUMP TP1	138	2.35%
44 SEE BE	950	742L JCT	138	2.34%
44 SEE BE	169	CAN CEM7	138	2.34%
44 SEE BE	285	BAYMAG	138	2.33%
44 SEE BE	965	54L JNC	138	2.33%
35 RED DEER	115	S RED DE	138	2.32%
35 RED DEER	148	GAETZ 7	138	2.31%
44 SEE BE	210	SJPC_TP	138	2.31%
44 SEE BE	217	SJP_CRK	138	2.31%
44 SEE BE	283	CANMORE7	138	2.30%
44 SEE BE	199	SHELL J7	138	2.30%
35 RED DEER	465	TL138	138	2.30%
35 RED DEER	664	PIPER CR	138	2.29%
35 RED DEER	119	N RED D7	138	2.27%
37 PROVOST	220	HAYTER 7	138	2.25%
39 DIDS BURY	121	OLDS 7	138	2.22%
39 DIDS BURY	982	MADDEN T	138	2.19%
39 DIDS BURY	957	166L JNC	138	2.17%
35 RED DEER	383	NOVA ST1	138	2.17%
40 LAKE WAB	133	WABAMUN4	240	2.17%
35 RED DEER	398	BROOKFLD	138	2.17%
39 DIDS BURY	126	SHELL H7	138	2.15%
35 RED DEER	956	758L JCT	138	2.13%
35 RED DEER	975	COMINTAP	138	2.10%
60 EDMONTON	258	ELLERSLI	500	2.10%
44 SEE BE	175	CASCADE7	138	2.10%
44 SEE BE	923	W.CASC T	138	2.09%
40 LAKE WAB	134	WABAMUN7	138	2.08%
60 EDMONTON	92	HS_240	240	2.08%
35 RED DEER	387	COMINCO7	138	2.07%
35 RED DEER	97	ECKVILL7	138	2.06%
60 EDMONTON	2092	HS_138	138	2.03%
44 SEE BE	170	COCHRAN7	138	2.00%
39 DIDS BURY	122	MADDEN 7	138	1.99%
44 SEE BE	64	BANFF 7	138	1.99%
30 DRAYTON	995	W.GRN TP	240	1.97%
30 DRAYTON	150	WILLESD4	240	1.97%
35 RED DEER	113	BLACKFA7	138	1.92%
33 FORT SAS	273	HRTLAND	500	1.91%
33 FORT SAS	1614	HRTLAND	500	1.91%
33 FORT SAS	1615	HTHFIELD	500	1.91%
35 RED DEER	116	W LACOMB	138	1.87%
35 RED DEER	388	ELLIS 7	138	1.87%
35 RED DEER	384	UC PRENT	138	1.87%
31 WETASKIW	788	WOLFCREK	240	1.86%
60 EDMONTON	359	ACHESON	138	1.82%
35 RED DEER	114	LACOMBE7	138	1.81%
31 WETASKIW	789	WOLFCRE2	138	1.80%
31 WETASKIW	95	PONOKA 7	138	1.79%
38 CAROLINE	104	STRACHA7	138	1.78%
40 LAKE WAB	964	WHITE TP	138	1.77%

Area	Bus Number	Bus Name	Bus kV	LF
40 LAKE WAB	360	STONY P7	138	1.76%
40 LAKE WAB	905	105S TAP	138	1.74%
40 LAKE WAB	723	BILBY 1	138	1.74%
40 LAKE WAB	364	CARVEL01	138	1.74%
60 EDMONTON	512	DOME 4	240	1.71%
30 DRAYTON	49	KEYSTON7	138	1.71%
60 EDMONTON	128	ELLERSLI	240	1.70%
60 EDMONTON	511	SUMMERS1	240	1.70%
30 DRAYTON	56153	BRAZEAU	240	1.69%
56 VEGREVIL	68	N HOLDE7	138	1.69%
31 WETASKIW	81	BIGSTON4	240	1.68%
60 EDMONTON	521	PETROLIA	240	1.68%
60 EDMONTON	24	SAUL_01	240	1.65%
31 WETASKIW	192	NELSON L	138	1.64%
60 EDMONTON	428	SG_B1	138	1.62%
60 EDMONTON	2024	SAUL_02	138	1.62%
39 DIDSBURY	903	HARMAT1	138	1.60%
39 DIDSBURY	124	HARMATT7	138	1.60%
60 EDMONTON	91	NISKU 7	138	1.59%
60 EDMONTON	518	ARGYLL E	240	1.57%
60 EDMONTON	509	ARGYLL W	240	1.56%
60 EDMONTON	506	BELLAMY4	240	1.54%
35 RED DEER	98	RIMBEY 7	138	1.52%
60 EDMONTON	764	1058JOIN	240	1.42%
38 CAROLINE	100	ROCKY M7	138	1.41%
31 WETASKIW	374	BIGSTON7	138	1.40%
31 WETASKIW	804	803/804X	138	1.40%
60 EDMONTON	218	BLACKMUD	138	1.40%
60 EDMONTON	513	LAMBTON4	240	1.38%
60 EDMONTON	893	908 TP	240	1.37%
60 EDMONTON	546	EAST IN2	240	1.37%
60 EDMONTON	505	JASPER 4	240	1.36%
40 LAKE WAB	488	CHERHIL1	240	1.36%
60 EDMONTON	891	904AL TP	240	1.35%
30 DRAYTON	36	BRAZEAU7	138	1.34%
60 EDMONTON	545	EAST IN4	240	1.33%
60 EDMONTON	785	1059A_TP	240	1.33%
60 EDMONTON	955	PDMAKER1	240	1.33%
33 FORT SAS	341	HEARTLAN	240	1.30%
60 EDMONTON	136	E EDMON4	240	1.30%
31 WETASKIW	803	803/804N	138	1.30%
60 EDMONTON	96	DEVON 7	138	1.26%
60 EDMONTON	514	CLOVERB4	240	1.23%
60 EDMONTON	137	N CALDE4	240	1.19%
38 CAROLINE	882	SCHRA TP	138	1.18%
38 CAROLINE	385	SHELL SC	138	1.18%
40 LAKE WAB	947	GAINTAP2	138	1.18%
40 LAKE WAB	437	TMPL2GA7	138	1.18%
32 WAINWRIG	79	BUFFALO7	138	1.17%
31 WETASKIW	93	WETASKI7	138	1.15%
31 WETASKIW	899	TRUE W T	138	1.10%
31 WETASKIW	440	TRUE WEL	138	1.10%
13 LLOYDMIN	862	PV-TAP7	138	1.05%
60 EDMONTON	357	STALBE7	138	1.05%
60 EDMONTON	519	CASTLEDN	240	1.04%
60 EDMONTON	520	VICTORIA	240	1.03%
38 CAROLINE	890	AMOCO TP	138	1.03%
38 CAROLINE	881	RAVEN TP	138	1.00%
60 EDMONTON	40	N CALDE7	138	1.00%
60 EDMONTON	898	GENSTR T	138	1.00%
13 LLOYDMIN	1314	BRIKER1	138	0.97%
38 CAROLINE	382	SHELL RA	138	0.97%
27 ATHABASC	21	WESGEN 7	138	0.96%
60 EDMONTON	366	VISCOUNT	138	0.93%
60 EDMONTON	549	INLANDCT	138	0.92%
33 FORT SAS	7443	681ST1	240	0.91%
33 FORT SAS	8443	681ST2	240	0.91%
33 FORT SAS	443	BANN_B1	240	0.91%
33 FORT SAS	61	UN CARB9	138	0.90%
33 FORT SAS	63	LAMOURE7	138	0.87%
33 FORT SAS	57	LAMOURE4	240	0.87%

Area	Bus Number	Bus Name	Bus kV	LF
38 CAROLINE	370	SHELL C7	138	0.85%
60 EDMONTON	89	E EDMON7	138	0.84%
33 FORT SAS	750	761L_TP	138	0.83%
60 EDMONTON	540	CELANES7	138	0.83%
60 EDMONTON	938	STEL TAP	138	0.83%
60 EDMONTON	303	STELCO 1	138	0.83%
60 EDMONTON	378	STELCO 2	138	0.83%
33 FORT SAS	43	SCOTF_4	138	0.82%
60 EDMONTON	56	IPPL ED7	138	0.81%
60 EDMONTON	110	IPL EDM7	138	0.81%
38 CAROLINE	107	SUNDRE 7	138	0.81%
38 CAROLINE	883	EAGLE TP	138	0.81%
33 FORT SAS	313	JOSEPH1	240	0.80%
60 EDMONTON	125	YASAA7	138	0.79%
60 EDMONTON	55	GULF OI7	138	0.77%
60 EDMONTON	173	BRETV A7	138	0.77%
33 FORT SAS	62	SHERRIT7	138	0.76%
31 WETASKIW	105	PIGEON 7	138	0.76%
38 CAROLINE	386	SHELL EA	138	0.75%
60 EDMONTON	66	IOL 737L	138	0.75%
27 ATHABASC	19	WESGEN T	138	0.74%
33 FORT SAS	314	JOSEPH2	138	0.74%
33 FORT SAS	952	DIAM TAP	138	0.73%
33 FORT SAS	48	DIAM SH7	138	0.73%
60 EDMONTON	58	FORT SA7	138	0.72%
60 EDMONTON	970	746L JCT	138	0.70%
33 FORT SAS	734	SHELL A1	138	0.69%
33 FORT SAS	735	SHELL TP	138	0.69%
60 EDMONTON	515	BROADMO7	138	0.68%
31 WETASKIW	356	BON GLE7	138	0.68%
60 EDMONTON	887	CAN L TP	138	0.66%
33 FORT SAS	771	AMELIA1	240	0.65%
60 EDMONTON	438	CAN LIQ7	138	0.65%
60 EDMONTON	953	FIBE TAP	138	0.65%
60 EDMONTON	537	FIBERGL7	138	0.64%
27 ATHABASC	16	FLATBUS7	138	0.63%
31 WETASKIW	65	BARDO 7	138	0.63%
33 FORT SAS	821	708ALTAP	138	0.63%
38 CAROLINE	205	AMOCO R7	138	0.62%
60 EDMONTON	718	WESWOOD	138	0.62%
60 EDMONTON	363	NW CARD7	138	0.61%
60 EDMONTON	209	BRETONA1	138	0.58%
33 FORT SAS	50	RIVERSID	138	0.57%
60 EDMONTON	987	CIL TAP7	138	0.56%
33 FORT SAS	961	746L JNC	138	0.56%
60 EDMONTON	931	746L NO	138	0.56%
60 EDMONTON	541	ATP 4R 7	138	0.56%
60 EDMONTON	538	ATP 5R 7	138	0.56%
33 FORT SAS	60	BEAMER 7	138	0.53%
60 EDMONTON	69	IOL 738L	138	0.52%
30 DRAYTON	38	BRAZ OUT	138	0.51%
60 EDMONTON	47	SHERWOO7	138	0.50%
60 EDMONTON	101	COOKING7	138	0.50%
33 FORT SAS	391	ALBCHEM7	138	0.49%
33 FORT SAS	67	BRUDERH7	138	0.45%
33 FORT SAS	394	ASTOTIN	138	0.45%
33 FORT SAS	732	SKARO138	138	0.45%
33 FORT SAS	106	DEERLAN7	138	0.45%
33 FORT SAS	8732	109ST2	138	0.45%
33 FORT SAS	7732	109ST1	138	0.45%
60 EDMONTON	311	LEDUC1	138	0.44%
31 WETASKIW	946	KING TAP	138	0.44%
31 WETASKIW	365	BUFORD 7	138	0.42%
40 LAKE WAB	26	ENTWIST7	138	0.41%
33 FORT SAS	109	DEERLAN4	240	0.41%
31 WETASKIW	433	QL138	138	0.41%
31 WETASKIW	142	KINGMAN7	138	0.41%
13 LLOYDMIN	766	BAUERTAP	138	0.34%
13 LLOYDMIN	1113	BAUER1	138	0.33%
40 LAKE WAB	138	N BARRH4	240	0.32%
40 LAKE WAB	41	N BARRH7	138	0.29%

Area	Bus Number	Bus Name	Bus kV	LF
33 FORT SAS	936	808L_TAP	138	0.29%
31 WETASKIW	94	ERVICK 7	138	0.27%
27 ATHABASC	934	FLAT TAP	138	0.27%
27 ATHABASC	5	CLYDE 7	138	0.27%
27 ATHABASC	4	WESTLOC7	138	0.25%
33 FORT SAS	948	808_BNDY	138	0.22%
33 FORT SAS	59	REDWATE7	138	0.17%
31 WETASKIW	70	CAMROSE7	138	0.15%
30 DRAYTON	812	BUCK TAP	138	0.14%
30 DRAYTON	80	BUCKLAK7	138	0.13%
18 HIGH LEV	1013	WIND01	138	0.11%
13 LLOYDMIN	1455	LLOYD 7	138	0.10%
33 FORT SAS	1420	WEASEL1	138	0.10%
30 DRAYTON	1628	MOON LA7	138	0.09%
33 FORT SAS	954	ABEE_01	138	0.04%
38 CAROLINE	257	LIMESTO7	138	-0.01%
30 DRAYTON	331	VIOL GR7	138	-0.05%
17 RAINBOW	20000	BC BORDE	138	-0.09%
56 VEGREVIL	1367	VEGREVL7	138	-0.16%
13 LLOYDMIN	1393	HILL 7	138	-0.18%
13 LLOYDMIN	10393	751S701T	138	-0.26%
30 DRAYTON	35	LODGEPO7	138	-0.30%
18 HIGH LEV	1022	BLUMNOR7	138	-0.31%
56 VEGREVIL	10367	709S701T	138	-0.32%
13 LLOYDMIN	1387	KITSCOT7	138	-0.39%
40 LAKE WAB	2	MAYERTH	138	-0.44%
18 HIGH LEV	10022	832S701T	138	-0.46%
40 LAKE WAB	888	106S TAP	138	-0.48%
40 LAKE WAB	779	PADDLE R	138	-0.48%
13 LLOYDMIN	1383	VERMILO7	138	-0.52%
26 SWAN HIL	163	SAGITAW4	240	-0.59%
26 SWAN HIL	164	SAGITAW7	138	-0.71%
30 DRAYTON	813	ELKRIVTP	138	-0.86%
29 HINTON/E	90	BICKERD4	240	-0.88%
30 DRAYTON	651	ELKRIVE7	138	-0.88%
26 SWAN HIL	298	ALB NEWS	240	-0.90%
22 GRANDE C	1147	HR MILN7	138	-0.92%
30 DRAYTON	42	AMOCO BR	138	-0.93%
13 LLOYDMIN	11393	751S702T	138	-0.94%
26 SWAN HIL	8	WHI 3647	138	-0.97%
40 LAKE WAB	844	ASBNE TP	138	-1.00%
40 LAKE WAB	44	FT ASBN7	138	-1.00%
26 SWAN HIL	52	BLUERIDG	138	-1.02%
22 GRANDE C	10147	740S702T	138	-1.04%
29 HINTON/E	88	BICKERD7	138	-1.04%
17 RAINBOW	12028	791S703T	138	-1.12%
17 RAINBOW	1028	RBW LAK7	138	-1.12%
29 HINTON/E	395	NITON 7	138	-1.14%
17 RAINBOW	83	RBCUPIL7	138	-1.17%
17 RAINBOW	1054	ARCENC1	138	-1.18%
17 RAINBOW	11028	791S702T	138	-1.19%
26 SWAN HIL	9	WHITECO7	138	-1.19%
30 DRAYTON	51	W PEMBI7	138	-1.20%
30 DRAYTON	815	TWP TAP7	138	-1.23%
22 GRANDE C	1149	KAKWA1	138	-1.23%
30 DRAYTON	215	TEX.W.P7	138	-1.24%
26 SWAN HIL	85	MILLAR 7	138	-1.25%
29 HINTON/E	20	EDSON 7	138	-1.25%
17 RAINBOW	10028	791S701T	138	-1.31%
28 COLD LAK	56789	MAHKESES	138	-1.34%
29 HINTON/E	830	MARLBTAP	138	-1.35%
29 HINTON/E	415	MARLBOR1	138	-1.39%
30 DRAYTON	39	CYNTHIA7	138	-1.41%
29 HINTON/E	397	PINEDAL7	138	-1.41%
17 RAINBOW	1023	SULPH PT	138	-1.42%
56 VEGREVIL	1366	WATT_TAP	138	-1.42%
56 VEGREVIL	1361	WATTLAKE	138	-1.42%
22 GRANDE C	11147	740S703T	138	-1.43%
17 RAINBOW	10023	828S701T	138	-1.45%
17 RAINBOW	1026	ZAMA LK7	138	-1.58%
17 RAINBOW	11026	795S702T	138	-1.65%

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30 DRAYTON	330	P C BRA7	138	-1.65%
17 RAINBOW	10026	795S701T	138	-1.66%
44 SEEBE	191	ANG COCH	138	-1.68%
26 SWAN HIL	1674	CC01	138	-1.71%
26 SWAN HIL	973	199A_TAP	138	-1.71%
26 SWAN HIL	1260	LOU CR.4	240	-1.72%
26 SWAN HIL	1111	MASK01	240	-1.73%
18 HIGH LEV	1020	HIGH LV7	138	-1.74%
29 HINTON/E	913	G.ROBB T	138	-1.87%
18 HIGH LEV	1038	OSB-TAP7	138	-1.87%
18 HIGH LEV	1039	MELITO7	138	-1.87%
26 SWAN HIL	1261	LOU CR.7	138	-1.89%
26 SWAN HIL	11260	809S902T	240	-1.90%
26 SWAN HIL	10260	809S901T	240	-1.90%
29 HINTON/E	910	OBED TAP	138	-1.90%
29 HINTON/E	141	DALEHUR7	138	-1.90%
29 HINTON/E	909	DALEH TP	138	-1.90%
29 HINTON/E	18	GULF RO7	138	-1.91%
29 HINTON/E	15	MTN COA7	138	-1.94%
17 RAINBOW	1018	BASSET 7	138	-1.99%
29 HINTON/E	912	740L JNC	138	-2.00%
29 HINTON/E	324	COALSPU7	138	-2.00%
22 GRANDE C	1170	SIMONET7	138	-2.01%
26 SWAN HIL	1271	MORSE RV	138	-2.03%
26 SWAN HIL	1270	ESSO JU7	138	-2.04%
26 SWAN HIL	10270	785S701T	138	-2.04%
18 HIGH LEV	11020	786S702T	138	-2.06%
29 HINTON/E	791	VISTAB1	138	-2.10%
26 SWAN HIL	1266	SARAH L7	138	-2.10%
22 GRANDE C	1144	DOME CU7	138	-2.10%
26 SWAN HIL	1272	FIELDGA7	138	-2.14%
29 HINTON/E	820	FICKL TP	138	-2.19%
29 HINTON/E	326	COAL VA7	138	-2.21%
29 HINTON/E	915	CHEV TP	138	-2.21%
29 HINTON/E	368	CHEVIOT1	138	-2.21%
26 SWAN HIL	1275	VIRGINI7	138	-2.22%
17 RAINBOW	213	HAIGRIVE	138	-2.23%
28 COLD LAK	1301	FOSTERCK	138	-2.25%
23 VALLEYVI	1163	L. SMOKY	240	-2.25%
23 VALLEYVI	11163	813S902T	240	-2.28%
23 VALLEYVI	10163	813S901T	240	-2.28%
24 FOX CREE	412	BENBOW 7	138	-2.29%
24 FOX CREE	962	KAYBOBTP	138	-2.29%
24 FOX CREE	13	KAYBOB 7	138	-2.29%
23 VALLEYVI	1164	L.SMOKY7	138	-2.30%
23 VALLEYVI	1165	STURGE07	138	-2.30%
24 FOX CREE	924	CH KGT T	138	-2.30%
24 FOX CREE	82	CHEVRON7	138	-2.30%
24 FOX CREE	411	CHEV KG7	138	-2.30%
26 SWAN HIL	10266	743S701T	138	-2.31%
23 VALLEYVI	1172	STURG_1	138	-2.31%
23 VALLEYVI	10165	734S701T	138	-2.31%
29 HINTON/E	17	COLD CR7	138	-2.32%
23 VALLEYVI	1180	GOOSE R7	138	-2.33%
24 FOX CREE	12	FOX CREE	138	-2.34%
29 HINTON/E	605	WATSON C	138	-2.35%
56 VEGREVIL	1357	VILNA 7	138	-2.42%
56 VEGREVIL	1350	WHITBY 7	138	-2.50%
22 GRANDE C	10144	810S701T	138	-2.52%
22 GRANDE C	11144	810S702T	138	-2.52%
26 SWAN HIL	10272	824S701T	138	-2.52%
28 COLD LAK	1351	NABIYE_5	138	-2.53%
17 RAINBOW	1034	CHINCHA7	138	-2.53%
17 RAINBOW	10034	779S701T	138	-2.54%
26 SWAN HIL	1243	EDITH L7	138	-2.60%
23 VALLEYVI	1155	VALLEYV7	138	-2.60%
24 FOX CREE	1175	FOX CRK7	138	-2.65%
23 VALLEYVI	10155	794S701T	138	-2.70%
21 HIGH PRA	1228	MIT S E.4	240	-2.72%
26 SWAN HIL	10243	739S701T	138	-2.75%
21 HIGH PRA	10228	732S901T	240	-2.79%

Area	Bus Number	Bus Name	Bus kV	LF
21 HIGH PRA	11228	732S902T	240	-2.80%
21 HIGH PRA	1229	MITSE.7	138	-2.83%
21 HIGH PRA	1234	OTAUWAW7	138	-2.84%
13 LLOYDMIN	1377	IRISH C7	138	-2.86%
61 CHRISTIN	1162	WEMBY 4	240	-2.89%
28 COLD LAK	1304	MAHNO1	138	-2.91%
19 PEACE RI	1053	RING CK7	138	-2.92%
21 HIGH PRA	1230	AEC MILL	138	-2.93%
21 HIGH PRA	1283	SLAVE L7	138	-2.94%
19 PEACE RI	10053	853S701T	138	-3.00%
21 HIGH PRA	10230	844S701T	138	-3.00%
21 HIGH PRA	11230	844S702T	138	-3.00%
21 HIGH PRA	11234	729S702T	138	-3.03%
28 COLD LAK	1322	NORG_TP	138	-3.04%
28 COLD LAK	1340	NORB01	138	-3.05%
61 CHRISTIN	10162	2004ST1	240	-3.06%
17 RAINBOW	1036	KEG RVR7	138	-3.07%
20 GRANDE P	1132	WAP JCT7	138	-3.07%
28 COLD LAK	1348	WHITFISH	240	-3.09%
28 COLD LAK	1312	MARG LK4	240	-3.12%
28 COLD LAK	1300	WOLF LK7	138	-3.14%
28 COLD LAK	800	PRIM TAP	138	-3.15%
28 COLD LAK	1310	LEMING 7	138	-3.16%
28 COLD LAK	1303	MAHIHKA7	138	-3.19%
20 GRANDE P	1145	BRDGE C7	138	-3.20%
28 COLD LAK	10312	826S901T	240	-3.21%
28 COLD LAK	1309	BOURQUE	138	-3.21%
28 COLD LAK	11312	826S902T	240	-3.21%
28 COLD LAK	1313	MARG LK7	138	-3.21%
20 GRANDE P	1143	BIG MTN7	138	-3.22%
20 GRANDE P	10142	679STMP	138	-3.22%
20 GRANDE P	1142	BEARCK1	138	-3.22%
20 GRANDE P	1138	BCTAP	138	-3.23%
20 GRANDE P	1135	WAPITI 7	138	-3.23%
20 GRANDE P	1137	AWTAP	138	-3.23%
20 GRANDE P	1139	ALBRIGHT	138	-3.24%
20 GRANDE P	1140	P&G 7	138	-3.30%
19 PEACE RI	1052	HAMBURG7	138	-3.33%
20 GRANDE P	825	CGETAP	138	-3.35%
28 COLD LAK	1302	PRIM_25	138	-3.35%
20 GRANDE P	1101	GPEP7	138	-3.35%
19 PEACE RI	10052	855S701T	138	-3.39%
17 RAINBOW	1044	KEMP RV7	138	-3.40%
28 COLD LAK	795	LINDB_TP	138	-3.41%
20 GRANDE P	10118	790S701T	138	-3.43%
20 GRANDE P	10135	823S701T	138	-3.44%
17 RAINBOW	10044	797S701T	138	-3.44%
20 GRANDE P	1126	FLYINGS7	138	-3.48%
20 GRANDE P	1120	LOWE1	138	-3.48%
20 GRANDE P	1118	POPLAR 7	138	-3.52%
20 GRANDE P	10126	749S701T	138	-3.55%
56 VEGREVIL	1372	ST. PAU7	138	-3.56%
28 COLD LAK	19348	WHIT_138	138	-3.60%
28 COLD LAK	1346	BONN SVC	138	-3.63%
28 COLD LAK	1344	BONNY 7	138	-3.63%
28 COLD LAK	1444	LINDBER7	138	-3.67%
20 GRANDE P	1123	SADHL TP	138	-3.69%
28 COLD LAK	1320	ETHEL L7	138	-3.69%
28 COLD LAK	1315	LACOREY7	138	-3.69%
28 COLD LAK	10444	969ST1	138	-3.73%
28 COLD LAK	1319	MR01	138	-3.76%
28 COLD LAK	1318	7LA24_TP	138	-3.84%
27 ATHABASC	7	BOYLE 7	138	-3.84%
28 COLD LAK	11344	700S702T	138	-3.86%
27 ATHABASC	392	ALPAC1	138	-3.89%
20 GRANDE P	1160	BEZANSON	138	-3.90%
20 GRANDE P	1121	CRYST L7	138	-3.92%
20 GRANDE P	1124	SADDLE 7	138	-3.92%
28 COLD LAK	1112	BEARTRA1	138	-3.92%
19 PEACE RI	1074	CC_240	240	-3.93%
19 PEACE RI	1080	WESLY C4	240	-3.93%

Area	Bus Number	Bus Name	Bus kV	LF
58 DOVER	10226	720S901T	240	-3.95%
58 DOVER	1226	WABASCA4	240	-3.95%
28 COLD LAK	10320	717S703T	138	-3.97%
28 COLD LAK	1332	GRND CTR	138	-4.03%
19 PEACE RI	1082	WESLY C7	138	-4.03%
19 PEACE RI	747	WT_144	138	-4.03%
23 VALLEYVI	1153	TRIANGL7	138	-4.04%
19 PEACE RI	11080	834S902T	240	-4.04%
20 GRANDE P	1134	ELMWORT7	138	-4.04%
19 PEACE RI	10080	834S901T	240	-4.04%
20 GRANDE P	10121	722S701T	138	-4.07%
19 PEACE RI	1090	MEIKLE1	138	-4.07%
19 PEACE RI	1050	HOTCHKS7	138	-4.09%
20 GRANDE P	1110	MERC TAP	138	-4.11%
20 GRANDE P	11121	722S702T	138	-4.11%
20 GRANDE P	1117	CLAIR L	138	-4.15%
21 HIGH PRA	1336	HIGHPR9	138	-4.16%
20 GRANDE P	1109	MERCER 7	138	-4.16%
20 GRANDE P	1119	GOODFAR7	138	-4.23%
19 PEACE RI	1083	CARMON 7	138	-4.24%
27 ATHABASC	637	ALPACTAP	138	-4.25%
27 ATHABASC	308	FLATLK-2	138	-4.25%
20 GRANDE P	10160	862S701T	138	-4.25%
27 ATHABASC	3	COLINTO7	138	-4.26%
27 ATHABASC	282	HEARTLAK	240	-4.26%
58 DOVER	1280	BRINTO2	240	-4.28%
27 ATHABASC	417	WAUP1	138	-4.28%
19 PEACE RI	10050	788S701T	138	-4.29%
19 PEACE RI	1041	BC01	138	-4.31%
27 ATHABASC	10282	898ST1	240	-4.33%
27 ATHABASC	321	HEARTLAK	138	-4.33%
19 PEACE RI	1088	DAISHOW7	138	-4.41%
20 GRANDE P	1114	UPDIKE1	138	-4.49%
27 ATHABASC	304	PLAMOND7	138	-4.52%
61 CHRISTIN	405	CONKLIN2	240	-4.60%
27 ATHABASC	832	788_TP	138	-4.60%
27 ATHABASC	858	THOMP02	138	-4.61%
27 ATHABASC	305	LAC LA 7	138	-4.62%
58 DOVER	1602	LIVOCKPS	240	-4.63%
61 CHRISTIN	920	ROUND01	240	-4.65%
58 DOVER	10288	LIVOCK02	240	-4.66%
58 DOVER	1288	LIVOCK01	240	-4.66%
58 DOVER	18288	LIVOCK03	138	-4.66%
58 DOVER	1008	SALE01	138	-4.67%
58 DOVER	1006	GERMAIN1	138	-4.67%
19 PEACE RI	1085	PEACE RV	138	-4.67%
27 ATHABASC	1949	ILAKE_01	240	-4.68%
19 PEACE RI	1150	DONNELL7	138	-4.70%
19 PEACE RI	10085	793S701T	138	-4.76%
61 CHRISTIN	974	PIKE_01	240	-4.78%
61 CHRISTIN	2974	PIKE_02	138	-4.80%
61 CHRISTIN	879	SC240	240	-4.82%
61 CHRISTIN	2902	BCKSP_02	138	-4.82%
61 CHRISTIN	902	BCKSP_01	240	-4.82%
59 RUTH LAK	1208	TARSLDB	240	-4.85%
19 PEACE RI	1000	HV_144	138	-4.85%
19 PEACE RI	1076	7L12_TP	138	-4.85%
59 RUTH LAK	1205	SYNC_UE6	240	-4.85%
61 CHRISTIN	714	GRISTTAP	138	-4.86%
61 CHRISTIN	200	UW_01	138	-4.86%
19 PEACE RI	1284	NARROWS	138	-4.87%
61 CHRISTIN	10204	885ST1	240	-4.89%
61 CHRISTIN	434	189_240	240	-4.89%
27 ATHABASC	2949	ILAKE_02	138	-4.90%
27 ATHABASC	306	WINEFRE7	138	-4.90%
61 CHRISTIN	309	MCMILLA7	138	-4.91%
61 CHRISTIN	1227	CROWLK7	138	-4.94%
61 CHRISTIN	878	JFISH01	240	-4.96%
61 CHRISTIN	10227	CROWLK17	138	-4.96%
27 ATHABASC	1483	KIRBY1	138	-4.98%
61 CHRISTIN	369	CHRISLK1	240	-5.01%

Area	Bus Number	Bus Name	Bus kV	LF
58 DOVER	1263	JOSLYN4	240	-5.02%
58 DOVER	1274	MACKAY2	240	-5.05%
61 CHRISTIN	204	MCMILLA4	240	-5.05%
58 DOVER	1670	BWC01	240	-5.16%
58 DOVER	1626	AMRBUS04	240	-5.16%
58 DOVER	1669	AMRBUS01	240	-5.16%
58 DOVER	666	DOVER	240	-5.17%
61 CHRISTIN	348	LEISMER4	240	-5.20%
61 CHRISTIN	468	LEISMER7	138	-5.21%
59 RUTH LAK	10201	848S704T	138	-5.21%
59 RUTH LAK	11200	848S902T	240	-5.29%
59 RUTH LAK	10200	848S901T	240	-5.29%
59 RUTH LAK	1691	MOOSER01	240	-5.29%
59 RUTH LAK	1692	SS350_01	240	-5.29%
59 RUTH LAK	1693	SS350_02	240	-5.29%
59 RUTH LAK	1694	SS351_01	240	-5.30%
59 RUTH LAK	1236	MUSKEG7	240	-5.30%
48 EMPRESS	262	DOVE EM4	240	-5.35%
58 DOVER	1262	HORUP9	240	-5.38%
61 CHRISTIN	1655	DAWES240	240	-5.39%
19 PEACE RI	1055	CADOTTE7	138	-5.39%
61 CHRISTIN	1293	ALGAR-17	138	-5.40%
61 CHRISTIN	799	CHARD_TP	138	-5.40%
61 CHRISTIN	1010	CHARD_01	138	-5.40%
59 RUTH LAK	11201	848S703T	138	-5.41%
58 DOVER	1800	ER_01	240	-5.41%
58 DOVER	1251	HORMIN9	240	-5.41%
19 PEACE RI	10055	783S701T	138	-5.43%
58 DOVER	726	ADR3_01	240	-5.44%
59 RUTH LAK	1680	BITUMONT	240	-5.45%
58 DOVER	745	ADR4_01	240	-5.46%
59 RUTH LAK	1289	JACKPINE	240	-5.46%
61 CHRISTIN	1291	KR01	240	-5.48%
61 CHRISTIN	717	SURM_240	240	-5.48%
58 DOVER	765	STONE_01	240	-5.49%
61 CHRISTIN	1241	LONGLK19	138	-5.50%
61 CHRISTIN	1411	WADDELL7	138	-5.50%
61 CHRISTIN	18291	KR03	138	-5.50%
61 CHRISTIN	10291	KR02	240	-5.50%
61 CHRISTIN	1625	DAWES138	138	-5.51%
61 CHRISTIN	144	ALGAR_7	138	-5.52%
59 RUTH LAK	1603	KEARL240	240	-5.53%
59 RUTH LAK	5603	T9901	240	-5.53%
59 RUTH LAK	1610	MCCLE_01	240	-5.53%
59 RUTH LAK	6603	T9902	240	-5.54%
59 RUTH LAK	1202	RUTH LA7	138	-5.54%
59 RUTH LAK	11402	977S901T	240	-5.58%
59 RUTH LAK	1402	SALTCR1	240	-5.60%
61 CHRISTIN	1687	BOHN_01	138	-5.61%
59 RUTH LAK	1277	BLK_FLY1	240	-5.61%
59 RUTH LAK	1405	SALTCR2	138	-5.61%
61 CHRISTIN	1256	SL_01	138	-5.61%
61 CHRISTIN	1286	S-SHINE4	240	-5.64%
61 CHRISTIN	1276	S-SHINE1	240	-5.64%
59 RUTH LAK	1203	RUTH LK7	138	-5.65%
19 PEACE RI	1105	FRIEDEN7	138	-5.69%
19 PEACE RI	10205	800S702T	138	-5.69%
19 PEACE RI	10105	800S701T	138	-5.74%
61 CHRISTIN	1245	KINOSIS1	240	-5.75%
61 CHRISTIN	10245	KINOSIS5	240	-5.75%
61 CHRISTIN	1292	MEAD_144	138	-5.77%
61 CHRISTIN	1242	KINOSIS2	138	-5.77%
61 CHRISTIN	11245	KINOSIS6	240	-5.77%
59 RUTH LAK	1675	7LA47_TP	138	-5.77%
59 RUTH LAK	1224	HANGSTO7	138	-5.79%
59 RUTH LAK	1686	DOGRIB01	138	-5.80%
59 RUTH LAK	1627	7LA97_TP	138	-5.82%
59 RUTH LAK	1673	HALF_01	138	-5.82%
19 PEACE RI	1102	BOUCH C7	138	-5.83%
61 CHRISTIN	179	MARIANA7	138	-5.83%
19 PEACE RI	10102	829S701T	138	-5.85%

Area	Bus Number	Bus Name	Bus kV	LF
58 DOVER	1290	HORSERV7	138	-5.89%
59 RUTH LAK	1282	WILL01	138	-5.90%
59 RUTH LAK	1239	GREGOIRE	138	-5.93%
20 GRANDE P	1100	RYCROFT7	138	-6.00%
59 RUTH LAK	10239	883STRMP	138	-6.01%
61 CHRISTIN	10624	2060S702	138	-6.01%
61 CHRISTIN	10623	2060S701	138	-6.01%
61 CHRISTIN	1623	ENGSTRM1	138	-6.02%
59 RUTH LAK	1222	PARS CR7	138	-6.03%
61 CHRISTIN	1294	MARIA-17	138	-6.04%
59 RUTH LAK	1622	TWR_RD1	138	-6.05%
61 CHRISTIN	1409	QUIGL1	138	-6.05%
61 CHRISTIN	1672	EL01	138	-6.15%
19 PEACE RI	1060	NORCEN 7	138	-6.20%
20 GRANDE P	10100	730S701T	138	-6.22%
59 RUTH LAK	11222	718S702T	138	-6.25%
59 RUTH LAK	10222	718S701T	138	-6.25%
19 PEACE RI	10060	812S701T	138	-6.36%
19 PEACE RI	1075	SEAL LK7	138	-6.38%
19 PEACE RI	1285	NIPISI 7	138	-6.48%
19 PEACE RI	1065	LUBICON7	138	-6.48%
19 PEACE RI	10285	796S701T	138	-6.55%
19 PEACE RI	10075	SEAL LK6	138	-6.55%
19 PEACE RI	11285	796S702T	138	-6.59%
19 PEACE RI	1070	CRANBER7	138	-6.67%
19 PEACE RI	249	878S	138	-6.90%
20 GRANDE P	1104	KSIT RV7	138	-7.19%