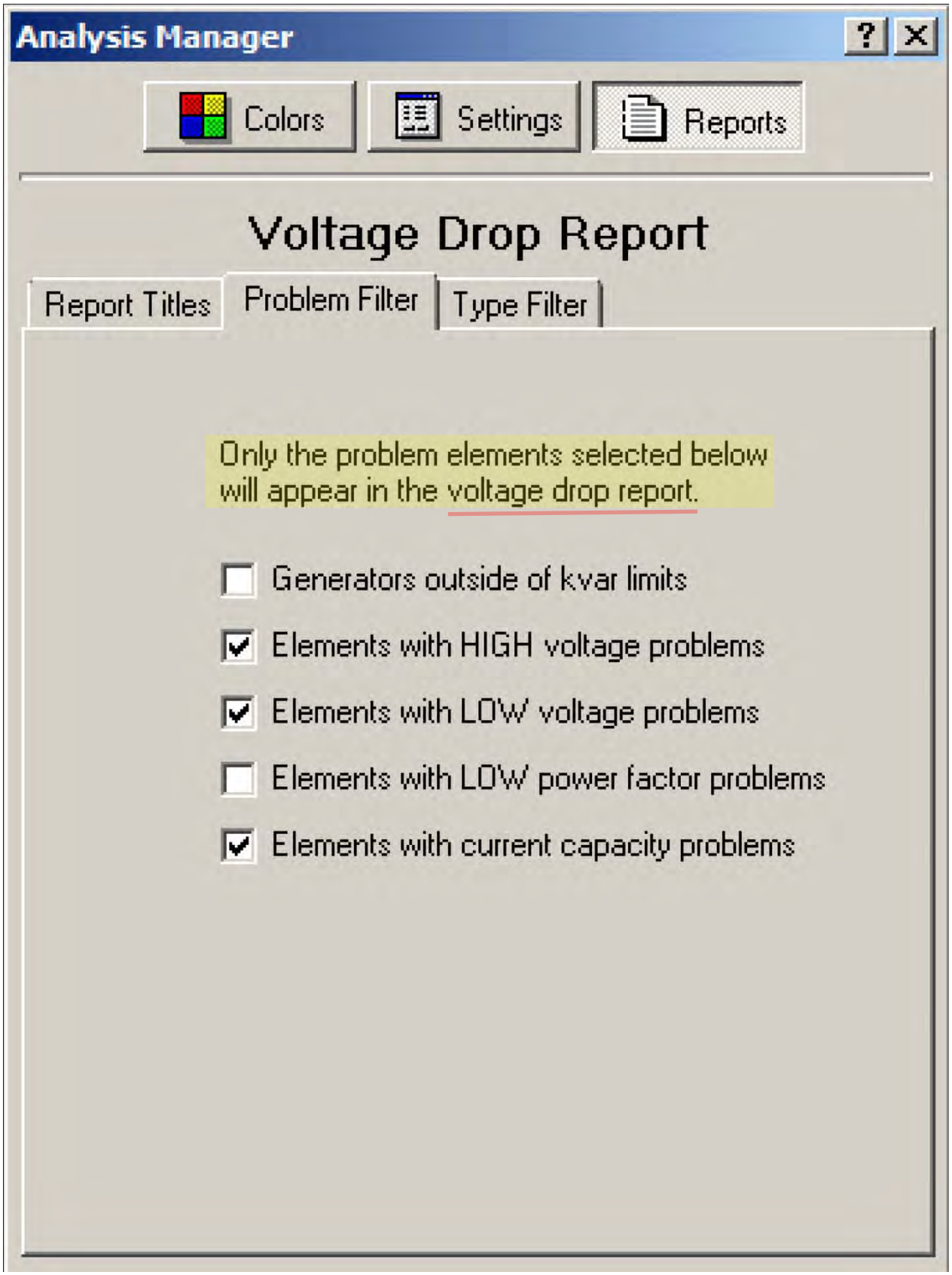
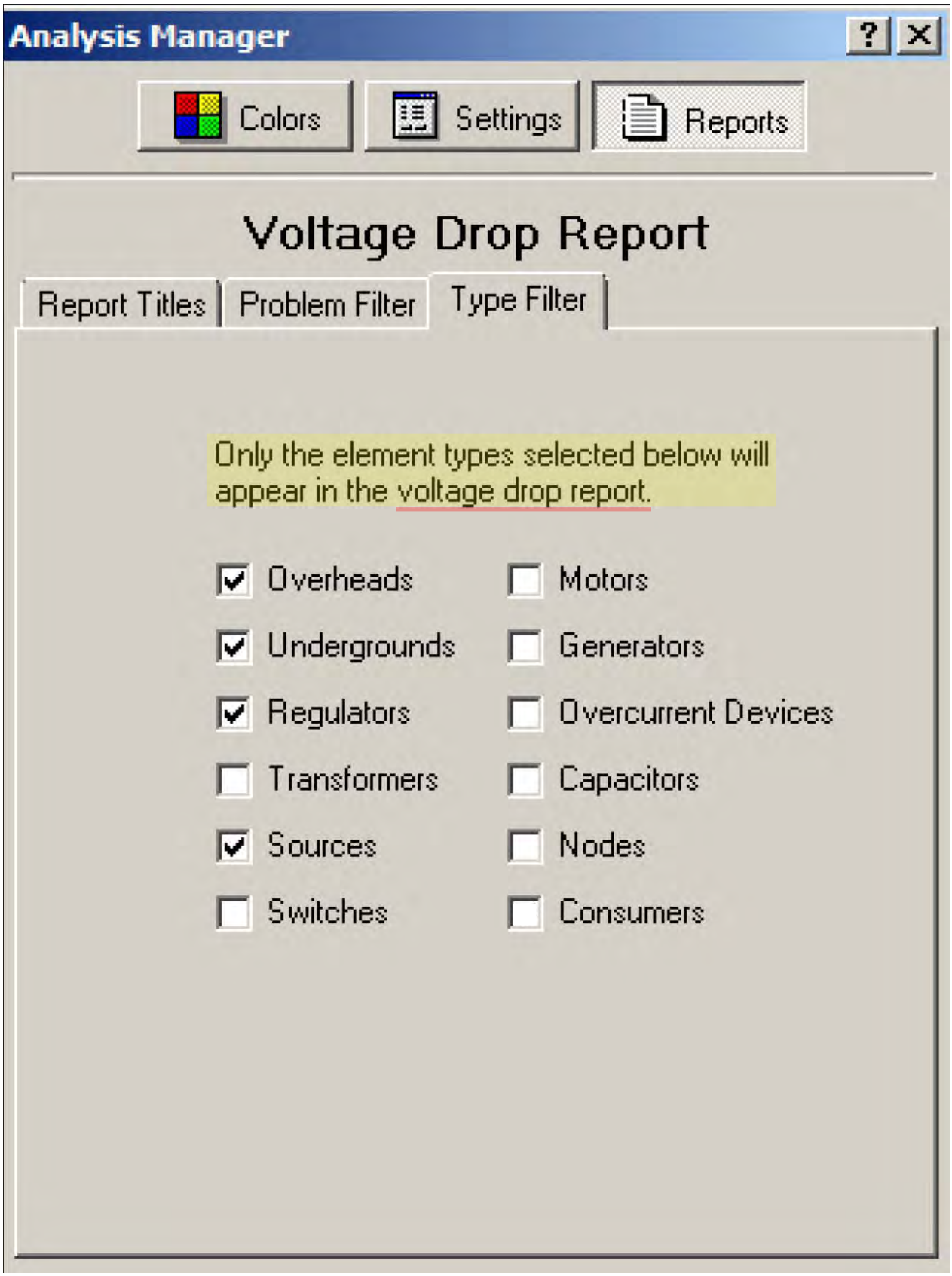

Analysis Manager
Colors
Settings
Reports
Voltage Drop Report
Report Titles
Problem Filter
Type Filter
Only the problem elements selected below will appear in the voltage drop report.
Generators outside of kvar limits
Elements with HIGH voltage problems
Elements with LOW voltage problems
Elements with LOW power factor problems
Elements with current capacity problems


Analysis Manager
Colors
Settings
Reports
Voltage Drop Report
Report Titles
Problem Filter
Type Filter
Only the element types selected below will appear in the voltage drop report.
Overheads
Undergrounds
Regulators
Transformers
Sources
Switches
Motors
Generators
Overcurrent Devices
Capacitors
Nodes
Consumers

APPENDIX 1

Primary Analysis of Base Winter 2009 ~ 2010 System

Results not required in this Document

APPENDIX 2

Primary Analysis of Base Summer 2009 ~ 2010 System

(Not used in this CWP ~ BGE is Winter peaking)

APPENDIX 3

Primary Analysis of Base System with Winter 2013 ~ 2014 Loads (Without Improvements)

Balanced Voltage Drop Report
Source: CYNTHIANA

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\BASE WINTER SUB ALLOCATION.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
CYNTHIANA		ABC	CYNTHIANA	7.56Y	126.0	0.00	0.00	566.88	0	12597	2570	98	0.00	0.0	0.000	0.000	0	0	0	2636	
---------- Feeder No. 0 (35-114) Beginning with Device 35-114 ----------																					
L PC-168453	PC-148462	C	4 ACSR	7.02Y	117.0	0.03	9.02	13.08	9	89	22	97	0.02	0.0	7.325	0.049	0	0	0	19	L
L PC-136921	PC-168453	C	4 ACSR	7.02Y	116.9	0.06	9.08	13.08	9	89	22	97	0.04	0.0	7.423	0.097	0	0	0	19	L
L PC-168452	PC-136921	C	4 ACSR	7.02Y	116.9	0.00	9.08	0.92	1	6	2	95	0.00	0.0	7.490	0.067	0	0	0	1	L
L PC-168451	PC-136921	C	4 ACSR	7.01Y	116.9	0.04	9.12	8.49	6	58	14	97	0.02	0.0	7.532	0.109	0	0	0	13	L
L PC-136944	PC-168451	C	4 ACSR	7.01Y	116.8	0.04	9.16	8.49	6	58	14	97	0.02	0.0	7.638	0.106	0	0	0	13	L
L PC-149342	PC-136944	C	4 ACSR	7.01Y	116.8	0.00	9.16	0.15	0	1	0	100	0.00	0.0	7.722	0.084	0	0	0	1	L
L PC-138914	PC-136944	C	4 ACSR	7.01Y	116.8	0.02	9.18	7.62	5	52	13	97	0.01	0.0	7.681	0.043	0	0	0	10	L
L PC-147044	PC-138914	C	4 ACSR	7.01Y	116.8	0.00	9.18	1.37	1	9	2	98	0.00	0.0	7.735	0.054	0	0	0	1	L
L PC-135195	PC-147044	C	4 ACSR	7.01Y	116.8	0.01	9.19	1.37	1	9	2	98	0.00	0.0	7.859	0.124	0	0	0	1	L
L PC-141752	PC-138914	C	4 ACSR	7.01Y	116.8	0.02	9.20	6.26	4	43	11	97	0.01	0.0	7.757	0.076	0	0	0	9	L
L PC-135748	PC-141752	C	4 ACSR	7.01Y	116.8	0.03	9.23	6.00	4	41	10	97	0.01	0.0	7.856	0.099	0	0	0	8	L
L PC-143669	PC-135748	C	4 ACSR	7.01Y	116.8	0.02	9.25	6.00	4	41	10	97	0.01	0.0	7.935	0.079	0	0	0	8	L
L PC-134802	PC-143669	C	4 ACSR	7.00Y	116.7	0.01	9.26	6.00	4	41	10	97	0.00	0.0	7.985	0.051	0	0	0	8	L
L PC-138364	PC-134802	C	4 ACSR	7.00Y	116.7	0.02	9.28	4.42	3	30	7	97	0.00	0.0	8.071	0.086	0	0	0	7	L
L PC-166382	PC-138364	C	4 ACSR	7.00Y	116.7	0.01	9.29	4.42	3	30	7	97	0.00	0.0	8.138	0.067	0	0	0	7	L
L PC-166383	PC-166382	C	4 ACSR	7.00Y	116.7	0.01	9.30	4.42	3	30	7	97	0.00	0.0	8.180	0.042	0	0	0	7	L
L PC-149253	PC-166383	C	4 ACSR	7.00Y	116.7	0.00	9.31	1.91	1	13	3	97	0.00	0.0	8.221	0.041	0	0	0	4	L
L PC-136112	PC-149253	C	4 ACSR	7.00Y	116.7	0.00	9.31	0.44	0	3	1	95	0.00	0.0	8.294	0.073	0	0	0	1	L
L PC-143072	PC-136112	C	4 ACSR	7.00Y	116.7	0.00	9.31	0.00	0	0	0	100	0.00	0.0	8.334	0.040	0	0	0	0	L
L PC-143073	PC-143072	C	4 ACSR	7.00Y	116.7	0.00	9.31	0.00	0	0	0	100	0.00	0.0	8.383	0.049	0	0	0	0	L
L PC-137041	PC-136112	C	4 ACSR	7.00Y	116.7	0.00	9.31	0.44	0	3	1	95	0.00	0.0	8.342	0.048	0	0	0	1	L
L PC-134545	PC-149253	C	2 ACSR	7.00Y	116.7	0.00	9.31	0.68	0	5	1	98	0.00	0.0	8.299	0.078	0	0	0	2	L
L PC-141873	PC-134545	C	2 ACSR	7.00Y	116.7	0.00	9.31	0.11	0	1	0	100	0.00	0.0	8.372	0.073	0	0	0	1	L
L PC-148360	PC-166383	C	2 ACSR	7.00Y	116.7	0.00	9.30	1.05	1	7	2	96	0.00	0.0	8.257	0.077	0	0	0	1	L
L PC-136606	PC-166382	C	2 ACSR	7.00Y	116.7	0.00	9.29	0.00	0	0	0	100	0.00	0.0	8.204	0.066	0	0	0	0	L
L PC-166575	PC-136606	C	2 ACSR	7.00Y	116.7	0.00	9.29	0.00	0	0	0	100	0.00	0.0	8.252	0.047	0	0	0	0	L
L PC-138921	PC-134802	C	4 ACSR	7.00Y	116.7	0.01	9.27	1.59	1	11	3	96	0.00	0.0	8.058	0.073	0	0	0	1	L
L PC-134482	PC-141752	C	4 ACSR	7.01Y	116.8	0.00	9.20	0.25	0	2	0	100	0.00	0.0	7.854	0.097	0	0	0	1	L
L PC-138047	PC-136944	C	2 ACSR	7.01Y	116.8	0.00	9.16	0.72	0	5	1	98	0.00	0.0	7.727	0.089	0	0	0	1	L
L PC-168450	PC-136921	C	4 ACSR	7.01Y	116.9	0.01	9.09	2.30	2	16	4	97	0.00	0.0	7.494	0.072	0	0	0	4	L
L PC-137549	PC-168450	C	2 ACSR	7.01Y	116.9	0.00	9.09	1.44	1	10	2	98	0.00	0.0	7.587	0.093	0	0	0	2	L
L PC-138365	PC-137549	C	2 ACSR	7.01Y	116.9	0.00	9.09	1.44	1	10	2	98	0.00	0.0	7.632	0.045	0	0	0	2	L
L PC-135221	PC-138365	C	2 ACSR	7.01Y	116.9	0.00	9.09	0.12	0	1	0	100	0.00	0.0	7.696	0.065	0	0	0	1	L
L PC-134507	PC-139236	C	4 ACSR	7.02Y	117.0	0.03	9.01	12.29	9	84	21	97	0.02	0.0	7.341	0.060	0	0	0	21	L
L PC-135809	PC-134507	C	4 ACSR	7.02Y	117.0	0.00	9.01	0.49	0	3	1	95	0.00	0.0	7.383	0.042	0	0	0	1	L
L PC-134534	PC-134507	C	4 ACSR	7.02Y	117.0	0.03	9.04	10.95	8	75	18	97	0.02	0.0	7.395	0.054	0	0	0	19	L
L PC-135628	PC-134534	C	4 ACSR	7.02Y	117.0	0.01	9.05	5.90	4	40	10	97	0.00	0.0	7.423	0.028	0	0	0	11	L
L PC-147868	PC-135628	C	4 ACSR	7.02Y	116.9	0.03	9.07	5.90	4	40	10	97	0.01	0.0	7.519	0.095	0	0	0	11	L
L PC-134258	PC-147868	C	4 ACSR	7.01Y	116.9	0.02	9.09	5.90	4	40	10	97	0.01	0.0	7.602	0.083	0	0	0	11	L
L PC-138693	PC-134258	C	4 ACSR	7.01Y	116.9	0.02	9.12	5.88	4	40	10	97	0.01	0.0	7.681	0.079	0	0	0	10	L
L PC-145069	PC-138693	C	4 ACSR	7.01Y	116.9	0.00	9.12	0.47	0	3	1	95	0.00	0.0	7.749	0.068	0	0	0	1	L
L PC-139404	PC-138693	C	4 ACSR	7.01Y	116.8	0.06	9.17	5.41	4	37	9	97	0.02	0.0	7.917	0.236	0	0	0	9	L
L PC-141780	PC-139404	C	2 ACSR	7.01Y	116.8	0.01	9.18	4.27	2	29	7	97	0.00	0.0	7.957	0.040	0	0	0	8	L
L PC-138626	PC-141780	C	2 ACSR	7.01Y	116.8	0.00	9.18	1.01	1	7	2	96	0.00	0.0	8.013	0.056	0	0	0	1	L
L PC-136274	PC-141780	C	4 ACSR	7.01Y	116.8	0.02	9.20	3.26	2	22	5	98	0.00	0.0	8.107	0.149	0	0	0	7	L
L PC-132054	PC-136274	C	4 ACSR	7.01Y	116.8	0.02	9.22	3.26	2	22	5	98	0.00	0.0	8.260	0.153	0	0	0	7	L
L PC-137963	PC-132054	C	4 ACSR	7.01Y	116.8	0.00	9.23	2.67	2	18	4	98	0.00	0.0	8.279	0.019	0	0	0	5	L
L PC-136358	PC-137963	C	4 ACSR	7.01Y	116.8	0.01	9.23	2.67	2	18	4	98	0.00	0.0	8.322	0.043	0	0	0	5	L
L PC-147752	PC-136358	C	4 ACSR	7.01Y	116.8	0.00	9.23	0.90	1	6	2	95	0.00	0.0	8.384	0.062	0	0	0	3	L
L PC-135322	PC-147752	C	2 ACSR	7.01Y	116.8	0.00	9.24	0.47	0	3	1	95	0.00	0.0	8.415	0.031	0	0	0	2	L
L PC-135341	PC-135322	C	2 ACSR	7.01Y	116.8	0.00	9.24	0.47	0	3	1	95	0.00	0.0	8.470	0.055	0	0	0	2	L
L PC-135050	PC-132054	C	8 ACWC	7.01Y	116.8	0.00	9.23	0.59	1	4	1	97	0.00	0.0	8.379	0.119	0	0	0	2	L
L PC-136013	PC-135050	C	8 ACWC	7.01Y	116.8	0.00	9.23	0.59	1	4	1	97	0.00	0.0	8.393	0.015	0	0	0	2	L
L PC-148486	PC-136013	C	8 ACWC	7.01Y	116.8	0.00	9.23	0.00	0	0	0	100	0.00	0.0	8.488	0.094	0	0	0	0	L
L PC-140080	PC-139404	C	4 ACSR	7.01Y	116.8	0.00	9.17	0.00	0	0	0	100	0.00	0.0	8.126	0.209	0	0	0	0	L
L S243-B	PC-140080	C	Open	7.01Y	116.8	0.00	9.17	0.00	0	0	0	100	0.00	0.0	8.126	0.209	0	0	0	0	L
L PC-135991	PC-139404	C	4 ACSR	7.01Y	116.8	0.00	9.17	1.14	1	8	2	97	0.00	0.0	7.939	0.022	0	0	0	1	L
L PC-138991	PC-135991	C	2 ACSR	7.01Y	116.8	0.00	9.17	0.00	0	0	0	100	0.00	0.0	8.021	0.082	0	0	0	0	L
L PC-136398	PC-135991	C	4 ACSR	7.01Y	116.8	0.01	9.18	1.14	1	8	2	97	0.00	0.0	8.067	0.128	0	0	0	1	L
L PC-137097	PC-136398	C	4 ACSR	7.01Y	116.8	0.00	9.18	0.00	0	0	0	100	0.00	0.0	8.128	0.061	0	0	0	0	L
L PC-140328	PC-137097	C	4 ACSR	7.01Y	116.8	0.00	9.18	0.00	0	0	0	100	0.00	0.0	8.166	0.038	0	0	0	0	L
L PC-134535	PC-134534	C	4 ACSR	7.02Y	116.9	0.02	9.06	5.05	4	34	8	97	0.01	0.0	7.491	0.095	0	0	0	8	L
L PC-136851	PC-134535	C	4 ACSR	7.02Y	116.9	0.01	9.07	4.51	3	31	8	97	0.00	0.0	7.524	0.033	0	0	0	7	L
L PC-139238	PC-136851	C	4 ACSR	7.02Y	116.9	0.00	9.07	2.88	2	20	5	97	0.00	0.0	7.561	0.038	0	0	0	5	L
L PC-149352	PC-139238	C	4 ACSR	7.02Y	116.9	0.00	9.07	0.88	1	6	1	99	0.00	0.0	7.624	0.063	0	0	0	2	L
L PC-141799	PC-149352	C	4 ACSR	7.02Y	116.9	0.00	9.07	0.29	0	2	0	100	0.00	0.0	7.652	0.027	0	0	0	1	L
L PC-136910	PC-141799	C	4 ACSR	7.02Y	116.9	0.00	9.08	0.29	0	2	0	100	0.00	0.0	7.735	0.083	0	0	0	1	L
L PC-139212	PC-139238	C	2 ACSR	7.02Y	116.9	0.00	9.08	2.00	1	14	3	98	0.00	0.0	7.627	0.065	0	0	0	3	L
L PC-129622	PC-139212	C	2 ACSR	7.02Y	116.9	0.00	9.08	1.20	1	8	2	97	0.00	0.0	7.710	0.083	0	0	0	1	L
L PC-136209	PC-129622	C	2 ACSR	7.02Y	116.9	0.00	9.08	1.20	1	8	2	97	0.00	0.0	7.766	0.056	0	0	0	1	L
L PC-138917	PC-136209	C	2 ACSR	7.01Y	116.9	0.00	9.08	1.20	1	8	2	97	0.00	0.0	7.827	0.062	0	0	0	1	L
L PC-139235	PC-136851	C	4 ACSR	7.02Y	116.9	0.00	9.07	1.24	1	8	2	97	0.00	0.0	7.555	0.032	0	0	0	1	L
L PC-138690	PC-130830	C	8 ACWC	7.02Y	117.0	0.01	9.01	2.07	2	14	3	98	0.00	0.0	7.579	0.077	0	0	0	5	L
L PC-137185	PC-138690	C	8 ACWC	7.02Y	117.0	0.00	9.01	0.53	1	4	1	97	0.00	0.0	7.642	0.063	0	0	0	3	L
L PC-134955	PC-137185	C	8 ACWC	7.02Y	117.0	0.00	9.01	0.40	0	3	1	95	0.00	0.0	7.667	0.025	0	0	0	2	L
L PC-141862	PC-134955	C	8 ACWC	7.02Y	117.0	0.00	9.01	0.40	0	3	1	95	0.00	0.0	7.746	0.080	0	0	0	2	L
L PC-138025	PC-141862	C	8 ACWC	7.02Y	117.0	0.00	9.01	0.40	0	3	1	95	0.00	0.0	7.795	0.049	0	0	0	2	L

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

Balanced Voltage Drop Report
Source: CYNTHIANA

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\BASE WINTER SUB ALLOCATION.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L PC-136313	PC-138690	C	8 ACWC	7.02Y	117.0	0.01	9.01	1.54	2	10	3	96	0.00	0.0	7.629	0.050	0	0	0	2	L
L PC-136847	PC-136313	C	8 ACWC	7.02Y	117.0	0.00	9.02	0.70	1	5	1	98	0.00	0.0	7.686	0.057	0	0	0	1	L
L PC-135054	PC-130830	C	4 ACSR	7.02Y	117.0	0.01	9.01	2.17	2	15	4	97	0.00	0.0	7.580	0.078	0	0	0	3	L
L PC-138887	PC-135054	C	4 ACSR	7.02Y	117.0	0.00	9.01	2.17	2	15	4	97	0.00	0.0	7.624	0.044	0	0	0	3	L
L PC-136276	PC-138887	C	4 ACSR	7.02Y	117.0	0.00	9.01	0.93	1	6	2	95	0.00	0.0	7.665	0.041	0	0	0	2	L

---------- Feeder No. 0 (35-104) Beginning with Device 35-104 ----------

---------- Feeder No. 0 (35-164) Beginning with Device 35-164 ----------

---------- Feeder No. 0 (35-134) Beginning with Device 35-134 ----------

---------- Feeder No. 0 (35-154) Beginning with Device 35-154 ----------

---------- Feeder No. 0 (35-124) Beginning with Device 35-124 ----------

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total	
KW	12032	222	0	0	0	0	344	0.00	12597	Lowest Voltage = 116.69 on Element PC-137041
KVAR	2964	55	-952	0	0	0	503		2570	Max Accm VoltD = 9.31 on Element PC-137041
										Max Elem VoltD = 0.34 on Element PC-136149

Balanced Voltage Drop Report
Source: CHAPLIN

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\BASE WINTER SUB ALLOCATION.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
CHAPLIN		ABC	CHAPLIN	2.52Y	126.0	0.00	0.00	161.55	0	1099	532	90	0.00	0.0	0.000	0.000	0	0	0	1

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total
KW	1061	38	0	0	0	0	0	0.00	1099
KVAR	514	18	0	0	0	0	0		532

Lowest Voltage = 125.98 on Element PC-108303
Max Accm VoltD = 0.02 on Element PC-108303
Max Elem VoltD = 0.01 on Element PC-108303

Balanced Voltage Drop Report
Source: 3M

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\BASE WINTER SUB ALLOCATION.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
3M		ABC	3M	7.56Y	126.0	0.00	0.00	361.15	0	7107	4072	87	0.00	0.0	0.000	0.000	0	0	0	1	
---------- Feeder No. 0 (37-104) Beginning with Device 37-104 ----------																					
C PC-159060	3M	ABC	4/0 ACSR	7.56Y	126.0	0.02	0.02	361.15	106	7107	4072	87	0.70	0.0	0.004	0.004	0	0	0	1	C
C PC-132306	PC-159060	ABC	4/0 ACSR	7.56Y	125.9	0.05	0.07	361.15	106	7106	4071	87	1.79	0.0	0.014	0.010	0	0	0	1	C
---------- Feeder No. 0 (37-114) Beginning with Device 37-114 ----------																					

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total	
KW	6861	243	0	0	0	0	2	0.00	7107	Lowest Voltage = 125.93 on Element PC-132306
KVAR	3929	139	0	0	0	0	4		4072	Max Accm VoltD = 0.07 on Element PC-132306
										Max Elem VoltD = 0.05 on Element PC-132306

Balanced Voltage Drop Report
Source: CLAY_LICK

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\BASE WINTER SUB ALLOCATION.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element Cons On KW	Element Cons On KVAR	Element Cons Thru
CLAY_LICK		ABC	CLAY_LICK	7.56Y	126.0	0.00	0.00	375.54	0	8432	1202	99	0.00	0.0	0.000	0.000	0	0	0 1441

---------- Feeder No. 0 (26-114) Beginning with Device 26-114 ----------

---------- Feeder No. 0 (26-124) Beginning with Device 26-124 ----------

---------- Feeder No. 0 (26-134) Beginning with Device 26-134 ----------

---------- Feeder No. 0 (26-144) Beginning with Device 26-144 ----------

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total	
KW	8070	128	0	0	0	0	233	0.00	8432	Lowest Voltage = 119.67 on Element PC-117569
KVAR	1823	29	-958	0	0	0	307		1202	Max Accm VoltD = 6.33 on Element PC-117569
										Max Elem VoltD = 0.20 on Element PC-112122

Balanced Voltage Drop Report
Source: NEWBY

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\BASE WINTER SUB ALLOCATION.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Cons On	Cons Thru
NEWBY		ABC	NEWBY	7.56Y	126.0	0.00	0.00	541.86	0	12044	2446	98	0.00	0.0	0.000	0.000	0	0	0	1641

---------- Feeder No. 0 (7-144) Beginning with Device 7-144 ----------

---------- Feeder No. 0 (7-154) Beginning with Device 7-154 ----------

---------- Feeder No. 0 (7-114) Beginning with Device 7-114 ----------

---------- Feeder No. 0 (7-104) Beginning with Device 7-104 ----------

---------- Feeder No. 0 (7-124) Beginning with Device 7-124 ----------

---------- Feeder No. 0 (7-134) Beginning with Device 7-134 ----------

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total
KW	11603	162	0	0	0	0	278	0.00	12044
KVAR	2259	32	-308	0	0	0	464		2446

Lowest Voltage = 117.94 on Element PC-102995
Max Accm VoltD = 8.06 on Element PC-102995
Max Elem VoltD = 0.29 on Element PC-160662

Balanced Voltage Drop Report
Source: FAYETTE2

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\BASE WINTER SUB ALLOCATION.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
FAYETTE2		ABC	FAYETTE2	7.56Y	126.0	0.00	0.00	379.48	0	8521	1213	99	0.00	0.0	0.000	0.000	0	0	0	2447

---------- Feeder No. 0 (6-114) Beginning with Device 6-114 ----------

---------- Feeder No. 0 (6-124) Beginning with Device 6-124 ----------

---------- Feeder No. 0 (6-134) Beginning with Device 6-134 ----------

---------- Feeder No. 0 (6-104) Beginning with Device 6-104 ----------

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total	
KW	8221	258	0	0	0	0	42	0.00	8521	Lowest Voltage = 124.48 on Element PC-155475
KVAR	1115	35	0	0	0	0	63		1213	Max Accm VoltD = 1.52 on Element PC-155475
										Max Elem VoltD = 0.15 on Element PC-154453

Balanced Voltage Drop Report
Source: NICHOLASVILLE

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\BASE WINTER SUB ALLOCATION.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
NICHOLASVILLE		ABC	NICHOLASVI	7.56Y	126.0	0.00	0.00	363.65	0	8161	1192	99	0.00	0.0	0.000	0.000	0	0	0	1034	
H PC-159104	NICHOLASVILLE	ABC	556.1 ACSR	7.56Y	126.0	-0.00	-0.00	14.30	2	121	-301	-37	0.00	0.0	0.003	0.003	0	0	0	20	H
H PC-159054	PC-159104	ABC	556.1 ACSR	7.56Y	126.0	-0.00	-0.00	14.30	2	121	-301	-37	0.00	0.0	0.007	0.004	0	0	0	20	H
---------- Feeder No. 0 (1-144) Beginning with Device 1-144 ----------																					
H 1-144	PC-159054	ABC	BKR-560-VW	7.56Y	126.0	0.00	-0.00	14.30	0	121	-301	-37	0.00	0.0	0.007	0.004	0	0	0	20	H
H PC-105291	1-144	ABC	556.1 ACSR	7.56Y	126.0	-0.00	-0.00	14.30	2	121	-301	-37	0.00	0.0	0.011	0.004	0	0	0	20	H
H PC-103953	PC-105291	ABC	556.1 ACSR	7.56Y	126.0	-0.00	-0.00	14.30	2	121	-301	-37	0.00	0.0	0.022	0.010	0	0	0	20	H
H PC-106073	PC-103953	ABC	556.1 ACSR	7.56Y	126.0	-0.00	-0.01	14.30	2	121	-301	-37	0.00	0.0	0.058	0.036	0	0	0	20	H
H PC-105930	PC-106073	ABC	556.1 ACSR	7.56Y	126.0	-0.00	-0.01	14.30	2	121	-301	-37	0.00	0.0	0.098	0.040	0	0	0	20	H
H PC-107078	PC-105930	ABC	556.1 ACSR	7.56Y	126.0	-0.01	-0.02	14.30	2	121	-301	-37	0.01	0.0	0.150	0.052	0	0	0	20	H
H PC-176162	PC-107078	ABC	556.1 ACSR	7.56Y	126.0	-0.01	-0.02	14.30	2	121	-301	-37	0.01	0.0	0.210	0.060	0	0	0	20	H
H PC-169830	PC-176162	ABC	556.1 ACSR	7.56Y	126.0	-0.01	-0.03	14.22	2	104	-305	-32	0.01	0.0	0.270	0.060	0	0	0	19	H
H PC-176161	PC-169830	ABC	556.1 ACSR	7.56Y	126.0	-0.01	-0.04	14.22	2	104	-305	-32	0.01	0.0	0.331	0.061	0	0	0	19	H
H PC-169829	PC-176161	A	4 ACSR	7.56Y	126.0	0.00	-0.04	1.70	1	12	3	97	0.00	0.0	0.337	0.006	0	0	0	2	H
H PC-169807	PC-169829	A	4 ACSR	7.56Y	126.0	0.00	-0.04	1.70	1	12	3	97	0.00	0.0	0.370	0.033	0	0	0	2	H
H PC-170354	PC-169807	A	2 ACSR	7.56Y	126.0	0.00	-0.03	0.98	1	7	2	96	0.00	0.0	0.432	0.062	0	0	0	1	H
H PC-170355	PC-170354	A	1/0 URD PR	7.56Y	126.0	0.00	-0.03	0.98	1	7	2	96	0.00	0.0	0.436	0.004	0	0	0	1	H
H PC-170746	PC-170355	A	1/0 URD PR	7.56Y	126.0	0.00	-0.03	0.98	1	7	2	96	0.00	0.0	0.467	0.031	0	0	0	1	H
H PC-169828	PC-176161	ABC	556.1 ACSR	7.56Y	126.0	-0.01	-0.04	14.18	2	91	-309	-28	0.00	0.0	0.376	0.045	0	0	0	17	H
H PC-106173	PC-169828	ABC	556.1 ACSR	7.56Y	126.1	-0.01	-0.05	14.18	2	91	-309	-28	0.01	0.0	0.434	0.057	0	0	0	17	H
H PC-169447	PC-106173	ABC	556.1 ACSR	7.56Y	126.1	-0.00	-0.06	14.18	2	91	-309	-28	0.00	0.0	0.474	0.040	0	0	0	17	H
H PC-105998	PC-169447	ABC	556.1 ACSR	7.56Y	126.1	-0.01	-0.06	14.18	2	91	-309	-28	0.01	0.0	0.523	0.049	0	0	0	17	H
H PC-169560	PC-105998	ABC	556.1 ACSR	7.56Y	126.1	-0.01	-0.07	14.18	2	91	-309	-28	0.01	0.0	0.579	0.055	0	0	0	17	H
H PC-114161	PC-169560	ABC	556.1 ACSR	7.56Y	126.1	-0.01	-0.08	14.18	2	91	-309	-28	0.01	0.0	0.636	0.058	0	0	0	17	H
H PC-167992	PC-114161	ABC	556.1 ACSR	7.57Y	126.1	-0.01	-0.08	14.18	2	91	-309	-28	0.01	0.0	0.694	0.058	0	0	0	17	H
H PC-106762	PC-167992	ABC	556.1 ACSR	7.57Y	126.1	-0.01	-0.09	14.18	2	91	-309	-28	0.01	0.0	0.749	0.055	0	0	0	17	H
H PC-104804	PC-106762	ABC	556.1 ACSR	7.57Y	126.1	-0.00	-0.10	14.18	2	91	-309	-28	0.00	0.0	0.786	0.037	0	0	0	17	H
H PC-105877	PC-104804	A	6 ACWC	7.57Y	126.1	0.00	-0.09	3.79	3	28	7	97	0.00	0.0	0.792	0.006	0	0	0	3	H
H PC-114162	PC-105877	A	6 ACWC	7.57Y	126.1	0.01	-0.08	2.54	2	19	5	97	0.00	0.0	0.879	0.087	0	0	0	2	H
H PC-176307	PC-114162	A	6 ACWC	7.56Y	126.1	0.00	-0.08	2.54	2	19	5	97	0.00	0.0	0.914	0.036	0	0	0	2	H
H PC-105575	PC-176307	A	6 ACWC	7.56Y	126.1	0.00	-0.08	0.98	1	7	2	96	0.00	0.0	0.950	0.036	0	0	0	1	H
H PC-176308	PC-105575	A	4 ACSR	7.56Y	126.1	0.00	-0.08	0.98	1	7	2	96	0.00	0.0	1.001	0.050	0	0	0	1	H
H PC-108503	PC-176308	A	4 ACSR	7.56Y	126.1	0.00	-0.07	0.98	1	7	2	96	0.00	0.0	1.058	0.058	0	0	0	1	H
H PC-176157	PC-108503	A	4 ACSR	7.56Y	126.1	0.01	-0.07	0.98	1	7	2	96	0.00	0.0	1.172	0.114	0	0	0	1	H
H PC-104803	PC-105877	A	4 ACSR	7.57Y	126.1	0.00	-0.09	1.25	1	9	2	98	0.00	0.0	0.869	0.077	0	0	0	1	H
H PC-101028	PC-104803	A	4 ACSR	7.57Y	126.1	0.00	-0.09	1.25	1	9	2	98	0.00	0.0	0.922	0.052	0	0	0	1	H
H PC-104939	PC-104804	ABC	556.1 ACSR	7.57Y	126.1	-0.01	-0.10	14.20	2	60	-317	-19	0.01	0.0	0.850	0.063	0	0	0	12	H
H PC-104685	PC-104939	ABC	556.1 ACSR	7.57Y	126.1	-0.01	-0.11	14.20	2	60	-317	-19	0.00	0.0	0.891	0.041	0	0	0	12	H
H PC-106161	PC-104685	ABC	556.1 ACSR	7.57Y	126.1	-0.01	-0.12	14.20	2	60	-317	-19	0.01	0.0	0.948	0.057	0	0	0	12	H
H PC-176218	PC-106161	ABC	556.1 ACSR	7.57Y	126.1	-0.01	-0.12	14.20	2	60	-317	-19	0.01	0.0	1.000	0.052	0	0	0	12	H
H PC-106298	PC-176218	ABC	556.1 ACSR	7.57Y	126.1	-0.01	-0.13	14.20	2	60	-317	-19	0.01	0.0	1.052	0.052	0	0	0	12	H
H PC-169776	PC-106298	ABC	556.1 ACSR	7.57Y	126.1	-0.01	-0.14	14.20	2	60	-317	-19	0.01	0.0	1.109	0.058	0	0	0	12	H
H PC-106163	PC-169776	ABC	556.1 ACSR	7.57Y	126.1	-0.01	-0.15	14.20	2	59	-317	-18	0.01	0.0	1.168	0.059	0	0	0	12	H
H PC-99605	PC-106163	ABC	556.1 ACSR	7.57Y	126.2	-0.01	-0.15	14.20	2	59	-317	-18	0.01	0.0	1.225	0.057	0	0	0	12	H
H PC-106801	PC-99605	ABC	556.1 ACSR	7.57Y	126.2	-0.01	-0.16	14.20	2	59	-317	-18	0.01	0.0	1.297	0.072	0	0	0	12	H
H PC-104650	PC-106801	ABC	556.1 ACSR	7.57Y	126.2	-0.01	-0.17	14.20	2	59	-317	-18	0.01	0.0	1.359	0.062	0	0	0	12	H
H PC-106268	PC-104650	ABC	556.1 ACSR	7.57Y	126.2	-0.01	-0.18	14.20	2	59	-317	-18	0.01	0.0	1.415	0.056	0	0	0	12	H
H PC-103030	PC-106268	ABC	556.1 ACSR	7.57Y	126.2	-0.01	-0.19	14.20	2	59	-317	-18	0.01	0.0	1.472	0.057	0	0	0	12	H
H PC-105725	PC-103030	ABC	556.1 ACSR	7.57Y	126.2	-0.01	-0.19	14.20	2	59	-317	-18	0.01	0.0	1.531	0.059	0	0	0	12	H
H PC-105424	PC-105725	ABC	556.1 ACSR	7.57Y	126.2	-0.01	-0.20	14.20	2	59	-317	-18	0.01	0.0	1.589	0.057	0	0	0	12	H
H PC-100136	PC-105424	ABC	556.1 ACSR	7.57Y	126.2	-0.00	-0.20	14.20	2	59	-317	-18	0.00	0.0	1.593	0.005	0	0	0	12	H
H PC-98915	PC-100136	ABC	556.1 ACSR	7.57Y	126.2	-0.00	-0.20	14.20	2	59	-317	-18	0.00	0.0	1.606	0.012	0	0	0	12	H
H PC-106142	PC-98915	ABC	556.1 ACSR	7.57Y	126.2	-0.01	-0.21	14.20	2	59	-317	-18	0.01	0.0	1.662	0.056	0	0	0	12	H
H PC-169800	PC-106142	ABC	556.1 ACSR	7.57Y	126.2	-0.01	-0.22	14.20	2	59	-317	-18	0.01	0.0	1.717	0.056	0	0	0	12	H
H PC-110823	PC-169800	ABC	556.1 ACSR	7.57Y	126.2	-0.01	-0.22	14.20	2	59	-317	-18	0.01	0.0	1.770	0.053	0	0	0	12	H
H PC-169518	PC-110823	ABC	556.1 ACSR	7.57Y	126.2	-0.01	-0.23	14.20	2	59	-317	-18	0.01	0.0	1.824	0.054	0	0	0	12	H
H PC-105287	PC-169518	ABC	556.1 ACSR	7.57Y	126.2	-0.00	-0.24	14.20	2	59	-317	-18	0.00	0.0	1.861	0.037	0	0	0	12	H
H PC-169557	PC-105287	ABC	556.1 ACSR	7.57Y	126.2	-0.01	-0.24	14.20	2	59	-317	-18	0.00	0.0	1.904	0.043	0	0	0	12	H
H PC-176197	PC-169557	ABC	556.1 ACSR	7.57Y	126.2	-0.01	-0.25	14.20	2	59	-317	-18	0.00	0.0	1.947	0.043	0	0	0	12	H
H PC-107129	PC-176197	ABC	556.1 ACSR	7.58Y	126.3	-0.00	-0.25	14.20	2	59	-317	-18	0.00	0.0	1.977	0.031	0	0	0	12	H
H PC-176196	PC-107129	ABC	556.1 ACSR	7.58Y	126.3	-0.00	-0.26	14.20	2	59	-317	-18	0.00	0.0	2.015	0.037	0	0	0	12	H
H PC-169802	PC-176196	ABC	556.1 ACSR	7.58Y	126.3	-0.01	-0.26	14.20	2	59	-317	-18	0.00	0.0	2.054	0.040	0	0	0	12	H
H PC-105413	PC-169802	ABC	556.1 ACSR	7.58Y	126.3	-0.01	-0.27	14.20	2	59	-317	-18	0.00	0.0	2.102	0.048	0	0	0	12	H
H PC-169522	PC-105413	ABC	556.1 ACSR	7.58Y	126.3	-0.00	-0.27	14.20	2	59	-317	-18	0.00	0.0	2.140	0.038	0	0	0	12	H
H PC-106839	PC-169522	ABC	556.1 ACSR	7.58Y	126.3	-0.01	-0.28	14.20	2	59	-317	-18	0.01	0.0	2.194	0.054	0	0	0	12	H
H C59	PC-106839	ABC	Cap (300)	7.58Y	126.3	0.00	-0.28	14.20	0	59	-317	-18	0.00	0.0	2.194	0.054	0	0	0	12	H
H PC-105162	C59	ABC	556.1 ACSR	7.58Y	126.3	0.00	-0.28	2.69	0	59	15	97	0.00	0.0	2.200	0.006	0	0	0	12	H
H PC-169528	PC-105162	ABC	556.1 ACSR	7.58Y	126.3	0.00	-0.28	2.69	0	59	15	97	0.00	0.0	2.249	0.049	0	0	0	12	H
H PC-169808	PC-169528	ABC	556.1 ACSR	7.58Y	126.3	0.00	-0.28	2.69	0	59	15	97	0.00	0.0	2.302	0.054	0	0	0	12	H
H PC-166927	PC-169808	ABC	556.1 ACSR	7.58Y	126.3	0.00	-0.28	2.69	0	59	15	97	0.00	0.0	2.317	0.014	0	0	0	12	H
H PC-106481	PC-166927	ABC	556.1 ACSR	7.58Y	126.3	0.00	-0.28	2.69	0	59	15	97	0.00	0.0	2.364	0.048	0	0	0	12	H
H PC-105488	PC-106481	ABC	556.1 ACSR	7.58Y	126.3	0.00	-0.28	2.68	0	59	15	97	0.00	0.0	2.410	0.045	0	0	0	11	H
H PC-100105	PC-105488	ABC	556.1 ACSR	7.58Y	126.3	0.00	-0.28	2.68	0	59	15	97	0.00	0.0	2.458	0.048	0	0	0	11	H
H PC-105925	PC-100105	ABC	556.1 ACSR	7.58Y	126.3	0.00	-0.28	2.68	0	59	15	97	0.00	0.0	2.504	0.046	0	0	0	11	H
H PC-105750	PC-105925	ABC	556.1 ACSR	7.58Y	126.3	0.00	-0.28	2.68	0	59	15	97	0.00	0.0	2.513	0.009	0	0	0	11	H
H PC-110915	PC-105750	ABC	556.1 ACSR	7.58Y	126.3	0.00	-0.28	2.68	0	59	15	97	0.00	0.0	2.577	0.065	0	0	0	11	H
H PC-103909	PC-110915	ABC	556.1 ACSR	7.58Y	126.3	0.00	-0.27	2.10	0	46	12	97	0.00	0.0	2.612	0.035	0	0	0	9	H
H PC-108831	PC-103909	ABC	556.1 ACSR	7.58Y	126.3	0.00	-0.27	2.05	0	45	11	97	0.00	0.0	2.649	0.036	0	0	0	8	H
H PC-109421	PC-108831	B	4 ACSR	7.58Y	126.3	0.00	-0.27	2.00	1	15	4	97	0.00	0.0	2.654	0.006	0	0	0	1	H

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

Balanced Voltage Drop Report
Source: NICHOLASVILLE

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\BASE WINTER SUB ALLOCATION.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
H PC-101790	PC-109421	B	4 ACSR	7.58Y	126.3	0.00	-0.27	2.00	1	15	4	97	0.00	0.0	2.706	0.052	0	0	0	1	H
H PC-101059	PC-108831	ABC	556.1 ACSR	7.58Y	126.3	0.00	-0.27	1.38	0	30	8	97	0.00	0.0	2.685	0.037	0	0	0	7	H
H PC-105923	PC-101059	ABC	556.1 ACSR	7.58Y	126.3	0.00	-0.27	1.38	0	30	8	97	0.00	0.0	2.721	0.036	0	0	0	7	H
H PC-176219	PC-105923	ABC	556.1 ACSR	7.58Y	126.3	0.00	-0.27	0.88	0	19	5	97	0.00	0.0	2.766	0.045	0	0	0	5	H
H PC-176224	PC-176219	ABC	556.1 ACSR	7.58Y	126.3	0.00	-0.27	0.88	0	19	5	97	0.00	0.0	2.811	0.045	0	0	0	5	H
H PC-176223	PC-176224	B	4 ACSR	7.58Y	126.3	0.00	-0.27	0.40	0	3	1	95	0.00	0.0	2.817	0.006	0	0	0	1	H
H PC-110986	PC-176223	B	4 ACSR	7.58Y	126.3	0.00	-0.27	0.40	0	3	1	95	0.00	0.0	2.870	0.053	0	0	0	1	H
H PC-176220	PC-176224	ABC	556.1 ACSR	7.58Y	126.3	0.00	-0.27	0.75	0	16	4	97	0.00	0.0	2.848	0.037	0	0	0	4	H
H PC-176222	PC-176220	ABC	556.1 ACSR	7.58Y	126.3	0.00	-0.27	0.75	0	16	4	97	0.00	0.0	2.889	0.041	0	0	0	3	H
H PC-110882	PC-176222	A	4 ACSR	7.58Y	126.3	0.00	-0.27	2.24	2	16	4	97	0.00	0.0	2.895	0.006	0	0	0	3	H
H PC-105905	PC-110882	A	4 ACSR	7.58Y	126.3	0.00	-0.27	2.24	2	16	4	97	0.00	0.0	2.929	0.034	0	0	0	3	H
H PC-106685	PC-105905	A	4 ACSR	7.58Y	126.3	0.00	-0.26	1.83	1	13	3	97	0.00	0.0	2.984	0.055	0	0	0	1	H
H PC-105663	PC-176222	ABC	556.1 ACSR	7.58Y	126.3	0.00	-0.27	0.00	0	0	0	100	0.00	0.0	2.935	0.046	0	0	0	0	H
H PC-104438	PC-105663	ABC	556.1 ACSR	7.58Y	126.3	0.00	-0.27	0.00	0	0	0	100	0.00	0.0	2.936	0.001	0	0	0	0	H
H S108-B	PC-104438	ABC	Open	7.58Y	126.3	0.00	-0.27	0.00	0	0	0	100	0.00	0.0	2.936	0.001	0	0	0	0	H
H PC-103886	PC-105923	B	4 ACSR	7.58Y	126.3	0.00	-0.27	0.73	1	5	1	98	0.00	0.0	2.727	0.006	0	0	0	1	H
H PC-105841	PC-103886	B	4 ACSR	7.58Y	126.3	0.00	-0.27	0.73	1	5	1	98	0.00	0.0	2.769	0.042	0	0	0	1	H
H PC-103882	PC-110915	B	4 ACSR	7.58Y	126.3	0.00	-0.27	1.61	1	12	3	97	0.00	0.0	2.583	0.006	0	0	0	1	H
H PC-110595	PC-103882	B	4 ACSR	7.58Y	126.3	0.00	-0.27	1.61	1	12	3	97	0.00	0.0	2.637	0.054	0	0	0	1	H
H PC-104645	PC-104804	B	6 ACWC	7.57Y	126.1	0.00	-0.10	0.51	0	4	1	97	0.00	0.0	0.792	0.006	0	0	0	2	H
H PC-176168	PC-104645	B	6 ACWC	7.57Y	126.1	0.00	-0.09	0.51	0	4	1	97	0.00	0.0	0.902	0.109	0	0	0	2	H
H PC-159921	PC-176168	B	6 ACWC	7.57Y	126.1	0.00	-0.09	0.51	0	4	1	97	0.00	0.0	0.991	0.089	0	0	0	2	H
H PC-169413	PC-159921	B	4 ACSR	7.57Y	126.1	0.00	-0.09	0.51	0	4	1	97	0.00	0.0	1.088	0.097	0	0	0	2	H
H PC-169533	PC-169413	B	4 ACSR	7.57Y	126.1	0.00	-0.09	0.00	0	0	0	100	0.00	0.0	1.154	0.066	0	0	0	1	H
H PC-159505	PC-169413	B	4 ACSR	7.57Y	126.1	0.00	-0.09	0.50	0	4	1	97	0.00	0.0	1.141	0.053	0	0	0	1	H
H PC-169339	PC-159505	B	4 ACSR	7.57Y	126.1	0.00	-0.09	0.50	0	4	1	97	0.00	0.0	1.177	0.036	0	0	0	1	H
H PC-116754	PC-107078	ABC	556.1 ACSR	7.56Y	126.0	0.00	-0.02	0.00	0	0	0	100	0.00	0.0	0.195	0.045	0	0	0	0	H

---------- Feeder No. 0 (1-114) Beginning with Device 1-114 ----------

---------- Feeder No. 0 (1-124) Beginning with Device 1-124 ----------

---------- Feeder No. 0 (1-134) Beginning with Device 1-134 ----------

---------- Feeder No. 0 (1-104) Beginning with Device 1-104 ----------

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total	
KW	7870	204	0	0	0	0	87	0.00	8161	Lowest Voltage = 122.74 on Element PC-106422
KVAR	1986	52	-982	0	0	0	136		1192	Max Accm VoltD = 3.26 on Element PC-106422
										Max Elem VoltD = 0.23 on Element PC-176172

Balanced Voltage Drop Report
Source: CROOKSVILLE

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\BASE WINTER SUB ALLOCATION.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element Cons On KW	Element Cons On KVAR	Element Cons Thru
CROOKSVILLE		ABC	CROOKSVILL	7.56Y	126.0	0.00	0.00	411.51	0	9148	1847	98	0.00	0.0	0.000	0.000	0	0	0 1617

---------- Feeder No. 0 (13-114) Beginning with Device 13-114 ----------

---------- Feeder No. 0 (13-144) Beginning with Device 13-144 ----------

---------- Feeder No. 0 (13-124) Beginning with Device 13-124 ----------

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total	
KW	8776	167	0	0	0	0	205	0.00	9148	Lowest Voltage = 118.94 on Element PC-92516
KVAR	1463	28	0	0	0	0	356		1847	Max Accm VoltD = 7.06 on Element PC-92516
										Max Elem VoltD = 0.20 on Element PC-176544

Balanced Voltage Drop Report
Source: LEES_LICK

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\BASE WINTER SUB ALLOCATION.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
LEES_LICK		ABC	LEES_LICK	7.56Y	126.0	0.00	0.00	484.14	0	10651	2669	97	0.00	0.0	0.000	0.000	0	0	0	1740	
---------- Feeder No. 0 (34-104) Beginning with Device 34-104 ----------																					
L PC-146242	PC-138287	A	4 ACSR	7.02Y	116.9	0.15	9.08	39.64	28	273	52	98	0.34	0.1	10.770	0.086	0	0	0	48	L
L PC-146243	PC-146242	A	4 ACSR	7.02Y	116.9	0.00	9.08	0.00	0	0	0	100	0.00	0.0	10.901	0.131	0	0	0	0	L
L PC-139039	PC-146242	A	4 ACSR	7.02Y	116.9	0.00	9.08	1.00	1	7	1	99	0.00	0.0	10.877	0.107	0	0	0	1	L
L PC-137782	PC-146242	A	4 ACSR	7.01Y	116.9	0.07	9.14	38.64	28	266	51	98	0.15	0.1	10.810	0.040	0	0	0	47	L
L PC-136460	PC-137782	A	4 ACSR	7.00Y	116.7	0.17	9.31	38.64	28	266	51	98	0.36	0.1	10.906	0.096	0	0	0	47	L
L PC-140443	PC-136460	A	4 ACSR	7.00Y	116.6	0.10	9.41	38.64	28	266	51	98	0.21	0.1	10.964	0.058	0	0	0	47	L
L PC-139138	PC-140443	A	4 ACSR	6.99Y	116.5	0.10	9.51	38.64	28	266	51	98	0.21	0.1	11.020	0.056	0	0	0	47	L
L PC-139118	PC-139138	A	4 ACSR	6.99Y	116.5	0.00	9.51	0.83	1	6	1	99	0.00	0.0	11.063	0.043	0	0	0	2	L
L PC-138071	PC-139118	A	4 ACSR	6.99Y	116.5	0.00	9.51	0.12	0	1	0	100	0.00	0.0	11.130	0.067	0	0	0	1	L
L PC-140339	PC-138071	A	4 ACSR	6.99Y	116.5	0.00	9.51	0.00	0	0	0	100	0.00	0.0	11.240	0.110	0	0	0	0	L
L PC-137944	PC-139138	A	4 ACSR	6.98Y	116.4	0.14	9.65	37.81	27	260	49	98	0.29	0.1	11.100	0.081	0	0	0	45	L
L PC-140199	PC-137944	A	2 ACSR	6.98Y	116.3	0.09	9.74	37.81	21	259	49	98	0.18	0.1	11.177	0.077	0	0	0	45	L
L PC-139754	PC-140199	A	2 ACSR	6.97Y	116.2	0.07	9.81	36.02	20	247	47	98	0.14	0.1	11.241	0.064	0	0	0	44	L
L PC-137281	PC-139754	A	2 ACSR	6.97Y	116.1	0.09	9.90	36.02	20	247	47	98	0.17	0.1	11.320	0.079	0	0	0	44	L
L PC-140272	PC-137281	A	4 ACSR	6.97Y	116.1	0.00	9.90	1.51	1	10	2	98	0.00	0.0	11.378	0.057	0	0	0	1	L
L PC-140271	PC-137281	A	4 ACSR	6.97Y	116.1	0.01	9.91	33.57	24	230	43	98	0.02	0.0	11.326	0.006	0	0	0	42	L
L PC-149929	PC-140271	A	4 ACSR	6.96Y	116.1	0.01	9.92	30.63	22	210	40	98	0.02	0.0	11.333	0.007	0	0	0	40	L
L PC-136859	PC-149929	A	4 ACSR	6.96Y	116.0	0.08	10.00	30.63	22	210	40	98	0.13	0.1	11.391	0.058	0	0	0	40	L
L PC-132123	PC-136859	A	4 ACSR	6.96Y	115.9	0.06	10.06	30.63	22	210	40	98	0.11	0.1	11.436	0.046	0	0	0	40	L
L PC-148941	PC-132123	A	4 ACSR	6.95Y	115.9	0.06	10.12	30.63	22	209	39	98	0.11	0.1	11.482	0.045	0	0	0	40	L
L PC-141503	PC-148941	A	4 ACSR	6.95Y	115.8	0.06	10.19	28.54	20	195	37	98	0.10	0.1	11.531	0.049	0	0	0	38	L
L PC-148507	PC-141503	A	4 ACSR	6.94Y	115.7	0.10	10.29	28.54	20	195	37	98	0.16	0.1	11.612	0.081	0	0	0	38	L
L PC-139326	PC-148507	A	4 ACSR	6.94Y	115.6	0.10	10.39	28.54	20	195	37	98	0.15	0.1	11.687	0.075	0	0	0	38	L
L PC-147596	PC-139326	A	4 ACSR	6.93Y	115.4	0.17	10.56	28.17	20	192	36	98	0.26	0.1	11.820	0.132	0	0	0	37	L
L PC-139767	PC-147596	A	4 ACSR	6.92Y	115.4	0.05	10.60	28.17	20	192	36	98	0.07	0.0	11.857	0.038	0	0	0	37	L
L PC-139924	PC-139767	A	4 ACSR	6.92Y	115.4	0.03	10.64	12.61	9	86	16	98	0.02	0.0	11.913	0.055	0	0	0	16	L
L PC-140473	PC-139924	A	4 ACSR	6.92Y	115.3	0.06	10.70	12.61	9	86	16	98	0.04	0.1	12.026	0.113	0	0	0	16	L
L PC-148363	PC-140473	A	2 ACSR	6.92Y	115.3	0.00	10.70	0.00	0	0	0	100	0.00	0.0	12.066	0.040	0	0	0	0	L
L PC-149790	PC-148363	A	2 ACSR	6.92Y	115.3	0.00	10.70	0.00	0	0	0	100	0.00	0.0	12.153	0.087	0	0	0	0	L
L PC-138235	PC-149790	A	2 ACSR	6.92Y	115.3	0.00	10.70	0.00	0	0	0	100	0.00	0.0	12.260	0.107	0	0	0	0	L
L PC-138968	PC-140473	A	4 ACSR	6.92Y	115.3	0.04	10.74	12.61	9	86	16	98	0.03	0.0	12.090	0.064	0	0	0	16	L
L PC-138946	PC-138968	A	4 ACSR	6.91Y	115.2	0.09	10.82	12.61	9	86	16	98	0.06	0.1	12.241	0.151	0	0	0	16	L
L PC-148443	PC-138946	A	6 ACWC	6.91Y	115.2	0.01	10.84	1.50	1	10	2	98	0.00	0.0	12.460	0.220	0	0	0	2	L
L PC-138280	PC-148443	A	4 ACSR	6.91Y	115.2	0.01	10.84	1.36	1	9	2	98	0.00	0.0	12.573	0.113	0	0	0	1	L
L PC-138222	PC-138280	A	4 ACSR	6.91Y	115.2	0.00	10.84	0.00	0	0	0	100	0.00	0.0	12.630	0.057	0	0	0	0	L
L PC-139171	PC-138222	A	4 ACSR	6.91Y	115.2	0.00	10.84	0.00	0	0	0	100	0.00	0.0	12.704	0.074	0	0	0	0	L
L PC-139140	PC-139171	A	4 ACSR	6.91Y	115.2	0.00	10.84	0.00	0	0	0	100	0.00	0.0	12.807	0.102	0	0	0	0	L
L PC-138224	PC-139140	A	4 ACSR	6.91Y	115.2	0.00	10.84	0.00	0	0	0	100	0.00	0.0	12.945	0.139	0	0	0	0	L
L PC-139131	PC-138224	A	4 ACSR	6.91Y	115.2	0.00	10.84	0.00	0	0	0	100	0.00	0.0	13.004	0.059	0	0	0	0	L
L PC-137239	PC-148443	A	6 ACWC	6.91Y	115.2	0.00	10.84	0.13	0	1	0	100	0.00	0.0	12.524	0.063	0	0	0	1	L
L PC-138943	PC-138946	A	6 ACWC	6.91Y	115.1	0.05	10.87	11.11	8	76	14	98	0.03	0.0	12.341	0.100	0	0	0	14	L
L PC-146097	PC-138943	A	2 ACSR	6.91Y	115.1	0.00	10.87	1.69	1	12	2	99	0.00	0.0	12.406	0.065	0	0	0	2	L
L PC-149334	PC-146097	A	2 ACSR	6.91Y	115.1	0.00	10.88	1.69	1	12	2	99	0.00	0.0	12.455	0.048	0	0	0	2	L
L PC-139199	PC-149334	A	2 ACSR	6.91Y	115.1	0.00	10.88	0.38	0	3	0	100	0.00	0.0	12.530	0.076	0	0	0	1	L
L PC-140395	PC-138943	A	2 ACSR	6.91Y	115.1	0.00	10.87	1.44	1	10	2	98	0.00	0.0	12.383	0.042	0	0	0	1	L
L PC-137881	PC-138943	A	6 ACWC	6.90Y	115.1	0.05	10.92	7.98	6	54	10	98	0.02	0.0	12.476	0.135	0	0	0	11	L
L PC-139883	PC-137881	A	2 ACSR	6.90Y	115.1	0.00	10.92	1.25	1	8	2	97	0.00	0.0	12.511	0.035	0	0	0	1	L
L PC-139189	PC-139883	A	2 ACSR	6.90Y	115.1	0.00	10.92	1.25	1	8	2	97	0.00	0.0	12.612	0.101	0	0	0	1	L
L PC-137555	PC-137881	A	6 ACWC	6.90Y	115.0	0.05	10.97	5.53	4	38	7	98	0.02	0.0	12.682	0.206	0	0	0	9	L
L PC-139923	PC-137555	A	6 ACWC	6.90Y	115.0	0.03	11.00	4.76	3	32	6	98	0.01	0.0	12.816	0.134	0	0	0	8	L
L PC-139128	PC-139923	A	6 ACWC	6.90Y	115.0	0.03	11.03	3.89	3	26	5	98	0.01	0.0	12.975	0.158	0	0	0	7	L
L PC-141564	PC-139128	A	6 ACWC	6.90Y	115.0	0.00	11.03	3.50	3	24	4	99	0.00	0.0	13.001	0.027	0	0	0	5	L
L PC-141562	PC-141564	A	2 ACSR	6.90Y	115.0	0.01	11.04	3.49	2	24	4	99	0.00	0.0	13.122	0.120	0	0	0	4	L
L PC-141504	PC-141562	A	2 ACSR	6.90Y	114.9	0.01	11.05	2.06	1	14	3	98	0.00	0.0	13.248	0.126	0	0	0	3	L
L PC-134102	PC-141504	A	2 ACSR	6.90Y	114.9	0.00	11.05	1.46	1	10	2	98	0.00	0.0	13.300	0.052	0	0	0	1	L
L PC-132640	PC-141504	A	2 ACSR	6.90Y	114.9	0.00	11.05	0.60	0	4	1	97	0.00	0.0	13.309	0.061	0	0	0	2	L
L PC-149984	PC-132640	A	2 ACSR	6.90Y	114.9	0.00	11.05	0.60	0	4	1	97	0.00	0.0	13.354	0.045	0	0	0	2	L
L PC-149983	PC-149984	A	2 ACSR	6.90Y	114.9	0.00	11.05	0.60	0	4	1	97	0.00	0.0	13.412	0.058	0	0	0	2	L
L PC-149982	PC-149983	A	2 ACSR	6.90Y	114.9	0.00	11.06	0.46	0	3	1	95	0.00	0.0	13.488	0.076	0	0	0	1	L
L PC-135514	PC-141562	A	2 ACSR	6.90Y	115.0	0.00	11.04	1.43	1	10	2	98	0.00	0.0	13.152	0.030	0	0	0	1	L
L PC-135515	PC-141564	A	2 ACSR	6.90Y	115.0	0.00	11.03	0.01	0	0	0	100	0.00	0.0	13.052	0.051	0	0	0	1	L
L PC-132126	PC-139767	A	4 ACSR	6.92Y	115.4	0.02	10.62	14.26	10	97	18	98	0.01	0.0	11.885	0.027	0	0	0	20	L
L PC-168455	PC-132126	A	2 ACSR	6.92Y	115.4	0.02	10.64	13.08	7	89	17	98	0.01	0.0	11.931	0.046	0	0	0	18	L
L PC-168456	PC-168455	A	2 ACSR	6.92Y	115.3	0.02	10.66	13.08	7	89	17	98	0.01	0.0	11.973	0.042	0	0	0	18	L
L PC-168457	PC-168456	A	2 ACSR	6.92Y	115.3	0.02	10.68	13.08	7	89	17	98	0.02	0.0	12.030	0.057	0	0	0	18	L
L PC-140282	PC-168457	A	2 ACSR	6.92Y	115.3	0.01	10.69	13.08	7	89	17	98	0.01	0.0	12.065	0.035	0	0	0	18	L
L PC-149941	PC-140282	A	4 ACSR	6.92Y	115.3	0.00	10.70	1.59	1	11	2	98	0.00	0.0	12.105	0.040	0	0	0	3	L
L PC-147597	PC-149941	A	4 ACSR	6.92Y	115.3	0.00	10.70	1.59	1	11	2	98	0.00	0.0	12.152	0.047	0	0	0	3	L
L PC-141552	PC-147597	A	6 ACWC	6.92Y	115.3	0.01	10.71	1.59	1	11	2	98	0.00	0.0	12.258	0.105	0	0	0	3	L
L PC-137533	PC-141552	A	2 ACSR	6.92Y	115.3	0.00	10.71	0.93	1	6	1	99	0.00	0.0	12.277	0.019	0	0	0	2	L
L PC-141563	PC-137533	A	2 ACSR	6.92Y	115.3	0.00	10.71	0.93	1	6	1	99	0.00	0.0	12.337	0.061	0	0	0	2	L
L PC-137577	PC-141563	A	2 ACSR	6.92Y	115.3	0.00	10.71	0.30	0	2	0	100	0.00	0.0	12.389	0.052	0	0	0	1	L
L PC-141551	PC-147597	A	4 ACSR	6.92Y	115.3	0.00	10.70	0.00	0	0	0	100	0.00	0.0	12.171	0.019	0	0	0	0	L
L PC-135516	PC-141551	A	4 ACSR	6.92Y	115.3	0.00	10.70	0.00	0	0	0	100	0.00	0.0	12.280	0.109	0	0	0	0	L
L PC-139242	PC-140282	A	4 ACSR	6.92Y	115.3	0.03	10.72	11.50	8	78	15	98	0.02	0.0	12.117	0.052	0	0	0	15	L
L PC-147907	PC-139242	A	4 ACSR	6.91Y	115.2	0.04	10.76	10.69	8	73	14	98	0.02	0.0	12.191	0.074	0	0	0	14	L
L PC-139705	PC-147907	A	4 ACSR	6.91Y	115.2	0.03	10.79	6.90	5	47	9	98	0.01	0.0	12.285	0.095	0	0	0	9	L

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

Balanced Voltage Drop Report
Source: LEES_LICK

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\BASE WINTER SUB ALLOCATION.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L PC-147600	PC-139705	A	4 ACSR	6.91Y	115.2	0.02	10.80	4.63	3	31	6	98	0.00	0.0	12.369	0.083	0	0	0	7	L
L PC-140241	PC-147600	A	4 ACSR	6.91Y	115.2	0.02	10.83	4.63	3	31	6	98	0.01	0.0	12.473	0.104	0	0	0	7	L
L PC-166179	PC-140241	A	4 ACSR	6.91Y	115.2	0.02	10.85	4.63	3	31	6	98	0.01	0.0	12.575	0.102	0	0	0	7	L
L PC-166039	PC-166179	A	4 ACSR	6.91Y	115.2	0.00	10.85	0.57	0	4	1	97	0.00	0.0	12.608	0.033	0	0	0	1	L
L PC-142212	PC-166179	A	4 ACSR	6.91Y	115.1	0.01	10.86	4.06	3	28	5	98	0.00	0.0	12.643	0.068	0	0	0	6	L
L PC-175508	PC-142212	A	4 ACSR	6.91Y	115.1	0.02	10.88	2.07	1	14	3	98	0.00	0.0	12.836	0.193	0	0	0	1	L
L PC-150209	PC-175508	A	4 ACSR	6.91Y	115.1	0.01	10.89	2.07	1	14	3	98	0.00	0.0	12.996	0.160	0	0	0	1	L
L PC-150210	PC-150209	A	4 ACSR	6.91Y	115.1	0.00	10.89	0.00	0	0	0	100	0.00	0.0	13.033	0.037	0	0	0	0	L
L PC-141458	PC-150209	A	4 ACSR	6.91Y	115.1	0.00	10.89	0.00	0	0	0	100	0.00	0.0	13.113	0.117	0	0	0	0	L
L PC-141462	PC-141458	A	4 ACSR	6.91Y	115.1	0.00	10.89	0.00	0	0	0	100	0.00	0.0	13.196	0.083	0	0	0	0	L
L PC-150274	PC-141462	A	4 ACSR	6.91Y	115.1	0.00	10.89	0.00	0	0	0	100	0.00	0.0	13.448	0.252	0	0	0	0	L
L PC-142466	PC-150274	A	4 ACSR	6.91Y	115.1	0.00	10.89	0.00	0	0	0	100	0.00	0.0	13.666	0.218	0	0	0	0	L
L PC-145273	PC-142466	A	4 ACSR	6.91Y	115.1	0.00	10.89	0.00	0	0	0	100	0.00	0.0	13.795	0.129	0	0	0	0	L
L PC-141461	PC-141462	A	6 ACWC	6.91Y	115.1	0.00	10.89	0.00	0	0	0	100	0.00	0.0	13.383	0.187	0	0	0	0	L
L PC-140812	PC-175508	A	4 ACSR	6.91Y	115.1	0.00	10.88	0.00	0	0	0	100	0.00	0.0	13.009	0.174	0	0	0	0	L
L PC-149862	PC-140812	A	4 ACSR	6.91Y	115.1	0.00	10.88	0.00	0	0	0	100	0.00	0.0	13.111	0.102	0	0	0	0	L
L PC-149864	PC-149862	A	4 ACSR	6.91Y	115.1	0.00	10.88	0.00	0	0	0	100	0.00	0.0	13.167	0.055	0	0	0	0	L
L PC-142222	PC-149864	A	4 ACSR	6.91Y	115.1	0.00	10.88	0.00	0	0	0	100	0.00	0.0	13.243	0.077	0	0	0	0	L
L PC-142261	PC-142222	A	4 ACSR	6.91Y	115.1	0.00	10.88	0.00	0	0	0	100	0.00	0.0	13.322	0.079	0	0	0	0	L
L PC-159298	PC-142261	A	4 ACSR	6.91Y	115.1	0.00	10.88	0.00	0	0	0	100	0.00	0.0	13.326	0.004	0	0	0	0	L
L PC-159136	PC-159298	A	4 ACSR	6.91Y	115.1	0.00	10.88	0.00	0	0	0	100	0.00	0.0	13.327	0.001	0	0	0	0	L
L PC-166180	PC-142212	A	4 ACSR	6.91Y	115.1	0.01	10.87	1.49	1	10	2	98	0.00	0.0	12.736	0.093	0	0	0	4	L
L PC-139724	PC-166180	A	4 ACSR	6.91Y	115.1	0.00	10.87	1.45	1	10	2	98	0.00	0.0	12.774	0.038	0	0	0	3	L
L PC-140638	PC-139724	A	4 ACSR	6.91Y	115.1	0.00	10.87	0.48	0	3	1	95	0.00	0.0	12.797	0.022	0	0	0	2	L
L PC-138810	PC-140638	A	4 ACSR	6.91Y	115.1	0.00	10.87	0.48	0	3	1	95	0.00	0.0	12.894	0.098	0	0	0	2	L
L PC-138052	PC-147907	A	4 ACSR	6.91Y	115.2	0.01	10.77	3.79	3	26	5	98	0.00	0.0	12.244	0.053	0	0	0	5	L
L PC-137900	PC-138052	A	4 ACSR	6.91Y	115.2	0.01	10.78	3.79	3	26	5	98	0.00	0.0	12.314	0.070	0	0	0	5	L
L PC-140595	PC-137900	A	4 ACSR	6.91Y	115.2	0.02	10.80	3.79	3	26	5	98	0.00	0.0	12.443	0.129	0	0	0	5	L
L PC-149426	PC-140595	A	4 ACSR	6.91Y	115.2	0.02	10.82	2.81	2	19	4	98	0.00	0.0	12.568	0.125	0	0	0	4	L
L PC-137779	PC-149426	A	4 ACSR	6.91Y	115.2	0.01	10.82	2.79	2	19	4	98	0.00	0.0	12.626	0.058	0	0	0	3	L
L PC-148188	PC-137779	A	4 ACSR	6.91Y	115.2	0.01	10.84	2.79	2	19	4	98	0.00	0.0	12.735	0.109	0	0	0	3	L
L PC-140472	PC-148188	A	4 ACSR	6.91Y	115.1	0.02	10.86	2.34	2	16	3	98	0.00	0.0	12.923	0.188	0	0	0	2	L
L PC-136805	PC-140472	A	4 ACSR	6.91Y	115.1	0.01	10.87	2.34	2	16	3	98	0.00	0.0	13.027	0.104	0	0	0	2	L
L PC-140237	PC-136805	A	4 ACSR	6.91Y	115.1	0.00	10.87	0.86	1	6	1	99	0.00	0.0	13.042	0.015	0	0	0	1	L
L PC-134759	PC-140237	A	4 ACSR	6.91Y	115.1	0.00	10.87	0.86	1	6	1	99	0.00	0.0	13.080	0.038	0	0	0	1	L
L PC-136857	PC-134759	A	4 ACSR	6.91Y	115.1	0.00	10.87	0.86	1	6	1	99	0.00	0.0	13.145	0.066	0	0	0	1	L
L PC-136787	PC-136857	A	4 ACSR	6.91Y	115.1	0.00	10.87	0.86	1	6	1	99	0.00	0.0	13.198	0.053	0	0	0	1	L
L PC-139106	PC-136787	A	4 ACSR	6.91Y	115.1	0.00	10.88	0.86	1	6	1	99	0.00	0.0	13.239	0.041	0	0	0	1	L
L PC-140234	PC-136805	A	4 ACSR	6.91Y	115.1	0.00	10.87	1.48	1	10	2	98	0.00	0.0	13.072	0.045	0	0	0	1	L
L PC-145621	PC-139242	A	2 ACSR	6.92Y	115.3	0.00	10.72	0.81	0	5	1	98	0.00	0.0	12.159	0.042	0	0	0	1	L
L PC-149530	PC-132126	A	2 ACSR	6.92Y	115.4	0.00	10.62	1.18	1	8	1	99	0.00	0.0	11.937	0.052	0	0	0	2	L
L PC-137280	PC-140271	A	4 ACSR	6.97Y	116.1	0.01	9.91	2.94	2	20	4	98	0.00	0.0	11.366	0.040	0	0	0	2	L
L PC-137992	PC-137280	A	2 ACSR	6.97Y	116.1	0.00	9.91	0.07	0	0	0	100	0.00	0.0	11.416	0.050	0	0	0	1	L
L PC-137544	PC-137280	A	4 ACSR	6.96Y	116.1	0.01	9.92	2.87	2	20	4	98	0.00	0.0	11.456	0.090	0	0	0	1	L
L PC-139755	PC-137544	A	4 ACSR	6.96Y	116.1	0.01	9.93	2.87	2	20	4	98	0.00	0.0	11.500	0.044	0	0	0	1	L
L PC-136483	PC-139755	A	4 ACSR	6.96Y	116.1	0.01	9.94	2.87	2	20	4	98	0.00	0.0	11.540	0.040	0	0	0	1	L
L PC-145980	PC-136483	A	4 ACSR	6.96Y	116.1	0.00	9.94	2.87	2	20	4	98	0.00	0.0	11.569	0.029	0	0	0	1	L
L PC-136024	PC-140199	A	2 ACSR	6.98Y	116.3	0.00	9.74	1.80	1	12	2	99	0.00	0.0	11.227	0.050	0	0	0	1	L
L PC-139735	PC-135600	B	4 ACSR	7.02Y	117.0	0.19	9.02	20.59	15	142	27	98	0.22	0.2	11.310	0.207	0	0	0	36	L
L PC-140335	PC-139735	B	4 ACSR	7.01Y	116.9	0.10	9.12	20.59	15	142	27	98	0.12	0.1	11.423	0.113	0	0	0	36	L
L PC-135270	PC-140335	B	4 ACSR	7.01Y	116.8	0.10	9.22	20.59	15	142	27	98	0.11	0.1	11.530	0.108	0	0	0	36	L
L PC-137874	PC-135270	B	4 ACSR	7.00Y	116.7	0.06	9.28	20.59	15	142	27	98	0.06	0.0	11.591	0.060	0	0	0	36	L
L PC-138435	PC-137874	B	4 ACSR	7.00Y	116.6	0.13	9.41	20.59	15	142	27	98	0.15	0.1	11.735	0.144	0	0	0	36	L
L PC-138587	PC-138435	B	4 ACSR	6.99Y	116.5	0.09	9.50	20.59	15	142	27	98	0.10	0.1	11.831	0.096	0	0	0	36	L
L PC-147072	PC-138587	B	4 ACSR	6.99Y	116.4	0.08	9.58	20.59	15	141	27	98	0.09	0.1	11.917	0.086	0	0	0	36	L
L PC-138583	PC-147072	B	4 ACSR	6.98Y	116.4	0.07	9.65	20.53	15	141	26	98	0.08	0.1	11.991	0.074	0	0	0	34	L
L PC-138581	PC-138583	B	4 ACSR	6.98Y	116.3	0.00	9.65	0.60	0	4	1	97	0.00	0.0	12.040	0.049	0	0	0	1	L
L PC-138429	PC-138583	B	4 ACSR	6.98Y	116.3	0.07	9.72	19.93	14	137	26	98	0.08	0.1	12.074	0.083	0	0	0	33	L
L PC-148529	PC-138429	B	4 ACSR	6.97Y	116.2	0.08	9.80	19.93	14	137	26	98	0.09	0.1	12.160	0.086	0	0	0	33	L
L PC-147069	PC-148529	B	4 ACSR	6.97Y	116.2	0.03	9.83	19.93	14	137	26	98	0.03	0.0	12.191	0.031	0	0	0	33	L
L PC-139249	PC-147069	B	4 ACSR	6.97Y	116.1	0.04	9.87	19.93	14	137	26	98	0.04	0.0	12.237	0.046	0	0	0	33	L
L PC-172604	PC-139249	B	4 ACSR	6.97Y	116.1	0.03	9.90	19.93	14	137	26	98	0.03	0.0	12.266	0.030	0	0	0	33	L
L PC-141317	PC-172604	B	4 ACSR	6.97Y	116.1	0.01	9.90	19.93	14	136	26	98	0.01	0.0	12.274	0.008	0	0	0	33	L
L PC-177135	PC-141317	B	4 ACSR	6.96Y	116.0	0.09	9.99	19.93	14	136	26	98	0.10	0.1	12.375	0.100	0	0	0	32	L
L PC-168159	PC-177135	B	4 ACSR	6.96Y	116.0	0.05	10.05	18.49	13	127	24	98	0.06	0.0	12.440	0.065	0	0	0	30	L
L PC-168158	PC-168159	B	6 ACWC	6.95Y	115.9	0.06	10.10	12.06	9	82	15	98	0.04	0.0	12.544	0.104	0	0	0	21	L
L PC-149443	PC-168158	B	6 ACWC	6.95Y	115.9	0.02	10.12	3.75	3	26	5	98	0.00	0.0	12.651	0.107	0	0	0	6	L
L PC-146310	PC-149443	B	6 ACWC	6.95Y	115.9	0.00	10.13	0.89	1	6	1	99	0.00	0.0	12.764	0.114	0	0	0	4	L
L PC-149889	PC-146310	B	2 ACSR	6.95Y	115.9	0.00	10.13	0.78	0	5	1	98	0.00	0.0	12.872	0.108	0	0	0	3	L
L PC-140524	PC-149889	B	2 ACSR	6.95Y	115.9	0.00	10.13	0.00	0	0	0	100	0.00	0.0	12.879	0.007	0	0	0	0	L
L PC-149890	PC-140524	B	2 ACSR	6.95Y	115.9	0.00	10.13	0.00	0	0	0	100	0.00	0.0	12.903	0.025	0	0	0	0	L
L PC-139559	PC-149889	B	4 ACSR	6.95Y	115.9	0.00	10.13	0.30	0	2	0	100	0.00	0.0	12.992	0.120	0	0	0	2	L
L PC-147065	PC-139559	B	6 ACWC	6.95Y	115.9	0.00	10.13	0.05	0	0	0	100	0.00	0.0	13.095	0.103	0	0	0	1	L
L PC-139558	PC-139559	B	4 ACSR	6.95Y	115.9	0.00	10.13	0.00	0	0	0	100	0.00	0.0	13.094	0.103	0	0	0	0	L
L PC-146309	PC-146310	B	4 ACSR	6.95Y	115.9	0.00	10.13	0.11	0	1	0	100	0.00	0.0	12.787	0.023	0	0	0	1	L
L PC-139004	PC-146309	B	4 ACSR	6.95Y	115.9	0.00	10.13	0.11	0	1	0	100	0.00	0.0	12.830	0.043	0	0	0	1	L
L PC-139417	PC-149443	B	2 ACSR	6.95Y	115.9	0.00	10.12	1.80	1	12	2	99	0.00	0.0	12.681	0.031	0	0	0	1	L
L PC-139481	PC-139417	B	4 ACSR	6.95Y	115.9	0.00	10.12	0.00	0	0	0	100	0.00	0.0	12.717	0.035	0	0	0	0	L
L PC-138846	PC-139417	B	2 ACSR	6.95Y	115.9	0.00	10.13	1.80	1	12	2	99	0.00	0.0	12.765	0.084	0	0	0	1	L
L PC-135332	PC-168158	B	4 ACSR	6.95Y	115.9	0.02	10.13	8.32	6	57	11	98	0.01	0.0	12.606	0.062	0	0	0	15	L

Balanced Voltage Drop Report
Source: LEES_LICK

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\BASE WINTER SUB ALLOCATION.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L PC-137005	PC-135332	B	4 ACSR	6.95Y	115.9	0.00	10.13	7.32	5	50	9	98	0.00	0.0	12.618	0.012	0	0	0	14	L
L PC-139030	PC-137005	B	4 ACSR	6.95Y	115.8	0.03	10.16	7.31	5	50	9	98	0.01	0.0	12.714	0.096	0	0	0	13	L
L PC-147973	PC-139030	B	4 ACSR	6.95Y	115.8	0.03	10.19	7.31	5	50	9	98	0.01	0.0	12.803	0.089	0	0	0	13	L
L PC-136406	PC-147973	B	4 ACSR	6.95Y	115.8	0.03	10.22	5.61	4	38	7	98	0.01	0.0	12.925	0.122	0	0	0	11	L
L PC-149265	PC-136406	B	4 ACSR	6.94Y	115.7	0.04	10.26	5.46	4	37	7	98	0.01	0.0	13.073	0.147	0	0	0	9	L
L PC-149266	PC-149265	B	4 ACSR	6.94Y	115.7	0.02	10.28	4.08	3	28	5	98	0.00	0.0	13.161	0.088	0	0	0	6	L
L PC-149267	PC-149266	B	4 ACSR	6.94Y	115.7	0.01	10.29	4.08	3	28	5	98	0.00	0.0	13.235	0.074	0	0	0	6	L
L PC-138838	PC-149267	B	4 ACSR	6.94Y	115.7	0.02	10.31	4.08	3	28	5	98	0.00	0.0	13.317	0.082	0	0	0	6	L
L PC-149268	PC-138838	B	4 ACSR	6.94Y	115.7	0.01	10.31	3.15	2	22	4	98	0.00	0.0	13.375	0.058	0	0	0	5	L
L PC-138822	PC-149268	B	4 ACSR	6.94Y	115.7	0.01	10.33	3.15	2	22	4	98	0.00	0.0	13.465	0.090	0	0	0	5	L
L PC-138823	PC-138822	B	4 ACSR	6.94Y	115.7	0.01	10.33	3.15	2	22	4	98	0.00	0.0	13.523	0.058	0	0	0	5	L
L PC-138900	PC-138823	B	4 ACSR	6.94Y	115.7	0.01	10.35	2.50	2	17	3	98	0.00	0.0	13.632	0.109	0	0	0	4	L
L PC-146245	PC-138900	B	4 ACSR	6.94Y	115.6	0.01	10.36	2.50	2	17	3	98	0.00	0.0	13.723	0.091	0	0	0	4	L
L PC-170491	PC-146245	B	2 ACSR	6.94Y	115.6	0.00	10.36	0.09	0	1	0	100	0.00	0.0	13.774	0.051	0	0	0	1	L
L PC-176359	PC-170491	B	2 ACSR	6.94Y	115.6	0.00	10.36	0.09	0	1	0	100	0.00	0.0	13.809	0.035	0	0	0	1	L
L PC-136934	PC-146245	B	4 ACSR	6.94Y	115.6	0.00	10.36	2.42	2	16	3	98	0.00	0.0	13.766	0.044	0	0	0	3	L
L PC-132122	PC-136934	B	4 ACSR	6.94Y	115.6	0.02	10.38	2.42	2	16	3	98	0.00	0.0	13.946	0.179	0	0	0	3	L
L PC-138491	PC-132122	B	4 ACSR	6.94Y	115.6	0.00	10.38	0.55	0	4	1	97	0.00	0.0	14.002	0.056	0	0	0	1	L
L PC-137936	PC-132122	B	4 ACSR	6.94Y	115.6	0.01	10.39	1.87	1	13	2	99	0.00	0.0	14.006	0.061	0	0	0	2	L
L PC-141927	PC-137936	B	4 ACSR	6.94Y	115.6	0.01	10.40	1.87	1	13	2	99	0.00	0.0	14.175	0.169	0	0	0	2	L
L PC-172511	PC-141927	B	4 ACSR	6.94Y	115.6	0.01	10.41	1.46	1	10	2	98	0.00	0.0	14.258	0.083	0	0	0	1	L
L PC-136768	PC-172511	B	4 ACSR	6.94Y	115.6	0.00	10.41	1.46	1	10	2	98	0.00	0.0	14.324	0.066	0	0	0	1	L
L PC-136050	PC-149265	B	4 ACSR	6.94Y	115.7	0.00	10.26	1.38	1	9	2	98	0.00	0.0	13.128	0.056	0	0	0	3	L
L PC-138576	PC-136050	B	4 ACSR	6.94Y	115.7	0.00	10.27	1.38	1	9	2	98	0.00	0.0	13.195	0.066	0	0	0	3	L
L PC-140584	PC-138576	B	4 ACSR	6.94Y	115.7	0.00	10.27	1.38	1	9	2	98	0.00	0.0	13.264	0.069	0	0	0	3	L
L PC-135855	PC-140584	B	4 ACSR	6.94Y	115.7	0.00	10.28	1.38	1	9	2	98	0.00	0.0	13.311	0.047	0	0	0	3	L
L PC-136073	PC-135855	B	4 ACSR	6.94Y	115.7	0.00	10.28	0.35	0	2	0	100	0.00	0.0	13.322	0.011	0	0	0	2	L
L PC-139874	PC-136073	B	4 ACSR	6.94Y	115.7	0.00	10.28	0.35	0	2	0	100	0.00	0.0	13.359	0.038	0	0	0	2	L
L PC-146413	PC-139874	B	4 ACSR	6.94Y	115.7	0.00	10.28	0.35	0	2	0	100	0.00	0.0	13.430	0.071	0	0	0	2	L
L PC-146412	PC-146413	B	4 ACSR	6.94Y	115.7	0.00	10.28	0.31	0	2	0	100	0.00	0.0	13.477	0.047	0	0	0	1	L
L PC-136616	PC-146412	B	4 ACSR	6.94Y	115.7	0.00	10.28	0.31	0	2	0	100	0.00	0.0	13.513	0.036	0	0	0	1	L
L PC-135700	PC-146413	B	4 ACSR	6.94Y	115.7	0.00	10.28	0.05	0	0	0	100	0.00	0.0	13.511	0.081	0	0	0	1	L
L PC-136688	PC-136406	B	2 ACSR	6.95Y	115.8	0.00	10.22	0.15	0	1	0	100	0.00	0.0	13.001	0.076	0	0	0	1	L
L PC-135917	PC-147973	B	4 ACSR	6.95Y	115.8	0.00	10.20	1.70	1	12	2	99	0.00	0.0	12.844	0.041	0	0	0	1	L
L PC-149167	PC-135917	B	4 ACSR	6.95Y	115.8	0.01	10.20	1.70	1	12	2	99	0.00	0.0	12.914	0.070	0	0	0	1	L
L PC-141933	PC-149167	B	4 ACSR	6.95Y	115.8	0.01	10.21	1.70	1	12	2	99	0.00	0.0	12.993	0.079	0	0	0	1	L
L PC-139408	PC-168159	B	4 ACSR	6.96Y	115.9	0.01	10.06	6.43	5	44	8	98	0.00	0.0	12.479	0.039	0	0	0	9	L
L PC-175974	PC-139408	B	2 ACSR	6.96Y	115.9	0.00	10.06	1.45	1	10	2	98	0.00	0.0	12.519	0.040	0	0	0	1	L
L PC-168225	PC-139408	B	4 ACSR	6.95Y	115.9	0.03	10.09	3.37	2	23	4	99	0.00	0.0	12.651	0.172	0	0	0	6	L
L PC-139068	PC-168225	B	4 ACSR	6.95Y	115.9	0.02	10.11	3.37	2	23	4	99	0.00	0.0	12.796	0.145	0	0	0	6	L
L PC-141725	PC-139068	B	4 ACSR	6.95Y	115.9	0.00	10.11	0.15	0	1	0	100	0.00	0.0	12.866	0.070	0	0	0	1	L
L PC-136801	PC-139068	B	4 ACSR	6.95Y	115.9	0.02	10.13	3.22	2	22	4	98	0.00	0.0	12.921	0.125	0	0	0	5	L
L PC-131377	PC-136801	B	4 ACSR	6.95Y	115.9	0.01	10.13	2.27	2	16	3	98	0.00	0.0	12.975	0.054	0	0	0	4	L
L PC-147249	PC-131377	B	4 ACSR	6.95Y	115.9	0.00	10.14	0.92	1	6	1	99	0.00	0.0	13.083	0.108	0	0	0	2	L
L PC-131375	PC-131377	B	4 ACSR	6.95Y	115.9	0.00	10.13	0.60	0	4	1	97	0.00	0.0	13.030	0.055	0	0	0	1	L
L PC-135114	PC-131375	B	4 ACSR	6.95Y	115.9	0.00	10.14	0.60	0	4	1	97	0.00	0.0	13.104	0.074	0	0	0	1	L
L PC-131114	PC-131377	B	4 ACSR	6.95Y	115.9	0.00	10.14	0.75	1	5	1	98	0.00	0.0	13.063	0.088	0	0	0	1	L
L PC-131337	PC-139068	B	2 ACSR	6.95Y	115.9	0.00	10.11	0.00	0	0	0	100	0.00	0.0	12.813	0.018	0	0	0	0	L
L PC-139061	PC-131337	B	2 ACSR	6.95Y	115.9	0.00	10.11	0.00	0	0	0	100	0.00	0.0	12.840	0.027	0	0	0	0	L
L PC-145932	PC-177135	B	6 ACWC	6.96Y	116.0	0.00	10.00	1.44	1	10	2	98	0.00	0.0	12.433	0.058	0	0	0	2	L
L PC-145966	PC-145932	B	6 ACWC	6.96Y	116.0	0.00	10.00	1.44	1	10	2	98	0.00	0.0	12.470	0.037	0	0	0	1	L
L PC-173734	PC-141317	B	4 ACSR	6.97Y	116.1	0.00	9.90	0.00	0	0	0	100	0.00	0.0	12.392	0.118	0	0	0	1	L
L PC-139024	PC-173734	B	4 ACSR	6.97Y	116.1	0.00	9.90	0.00	0	0	0	100	0.00	0.0	12.476	0.083	0	0	0	1	L
L PC-135920	PC-147072	B	2 ACSR	6.99Y	116.4	0.00	9.58	0.00	0	0	0	100	0.00	0.0	11.936	0.019	0	0	0	1	L
L PC-136141	PC-135920	B	2 ACSR	6.99Y	116.4	0.00	9.58	0.00	0	0	0	100	0.00	0.0	12.026	0.090	0	0	0	1	L
L PC-139632	PC-136143	C	4 ACSR	7.01Y	116.9	0.17	9.10	42.35	30	292	55	98	0.39	0.1	10.254	0.088	0	0	0	57	L
L PC-132118	PC-139632	C	4 ACSR	7.00Y	116.7	0.16	9.26	42.08	30	290	55	98	0.38	0.1	10.339	0.086	0	0	0	56	L
L PC-138837	PC-132118	C	4 ACSR	7.00Y	116.7	0.07	9.32	42.08	30	290	55	98	0.15	0.1	10.374	0.035	0	0	0	56	L
L PC-146311	PC-138837	C	4 ACSR	6.99Y	116.6	0.12	9.44	42.08	30	290	55	98	0.27	0.1	10.436	0.062	0	0	0	56	L
L PC-149820	PC-146311	C	4 ACSR	6.99Y	116.4	0.13	9.57	19.29	14	133	25	98	0.14	0.1	10.588	0.152	0	0	0	31	L
L PC-149895	PC-149820	C	4 ACSR	6.98Y	116.4	0.04	9.61	19.29	14	132	25	98	0.04	0.0	10.631	0.043	0	0	0	31	L
L PC-149896	PC-149895	C	2 ACSR	6.98Y	116.4	0.00	9.61	1.44	1	10	2	98	0.00	0.0	10.675	0.045	0	0	0	3	L
L PC-140460	PC-149896	C	2 ACSR	6.98Y	116.4	0.00	9.61	0.83	0	6	1	99	0.00	0.0	10.722	0.047	0	0	0	1	L
L PC-137068	PC-149896	C	2 ACSR	6.98Y	116.4	0.00	9.61	0.61	0	4	1	97	0.00	0.0	10.701	0.025	0	0	0	2	L
L PC-136952	PC-137068	C	2 ACSR	6.98Y	116.4	0.00	9.61	0.00	0	0	0	100	0.00	0.0	10.713	0.013	0	0	0	0	L
L PC-136949	PC-137068	C	2 ACSR	6.98Y	116.4	0.00	9.61	0.61	0	4	1	97	0.00	0.0	10.756	0.055	0	0	0	2	L
L PC-149899	PC-136949	C	2 ACSR	6.98Y	116.4	0.00	9.62	0.61	0	4	1	97	0.00	0.0	10.813	0.058	0	0	0	2	L
L PC-140463	PC-149899	C	2 ACSR	6.98Y	116.4	0.00	9.62	0.01	0	0	0	100	0.00	0.0	10.855	0.041	0	0	0	1	L
L PC-139865	PC-140463	C	2 ACSR	6.98Y	116.4	0.00	9.62	0.01	0	0	0	100	0.00	0.0	10.921	0.066	0	0	0	1	L
L PC-136623	PC-149895	C	4 ACSR	6.98Y	116.3	0.08	9.69	17.85	13	123	23	98	0.08	0.1	10.729	0.098	0	0	0	28	L
L PC-135185	PC-136623	C	4 ACSR	6.97Y	116.2	0.10	9.79	17.85	13	122	23	98	0.10	0.1	10.850	0.121	0	0	0	28	L
L PC-138761	PC-135185	C	4 ACSR	6.97Y	116.2	0.05	9.84	15.61	11	107	20	98	0.04	0.0	10.918	0.068	0	0	0	23	L
L PC-148533	PC-138761	C	4 ACSR	6.97Y	116.1	0.06	9.89	11.69	8	80	15	98	0.04	0.0	11.026	0.108	0	0	0	20	L
L PC-139006	PC-148533	C	2 ACSR	6.97Y	116.1	0.00	9.89	0.56	0	4	1	97	0.00	0.0	11.081	0.055	0	0	0	3	L
L PC-135946	PC-148533	C	4 ACSR	6.96Y	116.1	0.04	9.93	11.12	8	76	14	98	0.02	0.0	11.102	0.076	0	0	0	17	L
L PC-137523	PC-135946	C	4 ACSR	6.96Y	116.0	0.04	9.97	11.12	8	76	14	98	0.03	0.0	11.187	0.085	0	0	0	17	L
L PC-148389	PC-137523	C	4 ACSR	6.96Y	116.0	0.04	10.01	9.47	7	65	12	98	0.02	0.0	11.274	0.087	0	0	0	16	L
L PC-148388	PC-148389	C	4 ACSR	6.96Y	116.0	0.00	10.01	0.00	0	0	0	100	0.00	0.0	11.363	0.090	0	0	0	0	L
L PC-148393	PC-148389	C	2 ACSR	6.96Y	116.0	0.00	10.01	0.15	0	1	0	100	0.00	0.0	11.296	0.022	0	0	0	1	L
L PC-140387	PC-148389	C	4 ACSR	6.96Y	116.0	0.01	10.02	2.97	2	20	4	98	0.00	0.0	11.355	0.082	0	0	0	7	L

Balanced Voltage Drop Report
Source: LEES_LICK

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\BASE WINTER SUB ALLOCATION.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	KW	KVAR	Cons On	Cons Thru	
L PC-137991	PC-140387	C	4 ACSR	6.96Y	116.0	0.01	10.03	1.93	1	13	2	99	0.00	0.0	11.477	0.122	0	0	0	4	L
L PC-136139	PC-137991	C	4 ACSR	6.96Y	116.0	0.01	10.04	1.93	1	13	2	99	0.00	0.0	11.608	0.130	0	0	0	4	L
L PC-137525	PC-136139	C	4 ACSR	6.96Y	116.0	0.00	10.05	0.73	1	5	1	98	0.00	0.0	11.689	0.081	0	0	0	3	L
L PC-136528	PC-137525	C	4 ACSR	6.96Y	116.0	0.00	10.05	0.48	0	3	1	95	0.00	0.0	11.705	0.017	0	0	0	2	L
L PC-134869	PC-136528	C	4 ACSR	6.96Y	116.0	0.00	10.05	0.48	0	3	1	95	0.00	0.0	11.793	0.087	0	0	0	2	L
L PC-141724	PC-134869	C	4 ACSR	6.96Y	116.0	0.00	10.05	0.48	0	3	1	95	0.00	0.0	11.868	0.076	0	0	0	2	L
L PC-136652	PC-141724	C	4 ACSR	6.96Y	115.9	0.00	10.05	0.48	0	3	1	95	0.00	0.0	11.916	0.047	0	0	0	2	L
L PC-136808	PC-136652	C	4 ACSR	6.96Y	115.9	0.00	10.05	0.48	0	3	1	95	0.00	0.0	12.002	0.087	0	0	0	2	L
L PC-136138	PC-136139	C	4 ACSR	6.96Y	116.0	0.00	10.04	1.19	1	8	2	97	0.00	0.0	11.629	0.022	0	0	0	1	L
L PC-157826	PC-136138	C	1/0 URD PR	6.96Y	116.0	0.00	10.04	1.19	1	8	2	97	0.00	0.0	11.635	0.006	0	0	0	1	L
L PC-157851	PC-157826	C	1/0 URD PR	6.96Y	116.0	0.00	10.05	1.19	1	8	2	97	0.00	0.0	11.674	0.039	0	0	0	1	L
L PC-132864	PC-140387	C	4 ACSR	6.96Y	116.0	0.00	10.02	0.73	1	5	1	98	0.00	0.0	11.402	0.046	0	0	0	2	L
L PC-149643	PC-132864	C	4 ACSR	6.96Y	116.0	0.00	10.02	0.73	1	5	1	98	0.00	0.0	11.472	0.070	0	0	0	2	L
L PC-149644	PC-149643	C	2 ACSR	6.96Y	116.0	0.00	10.02	0.00	0	0	0	100	0.00	0.0	11.484	0.011	0	0	0	0	L
L PC-149645	PC-149644	C	2 ACSR	6.96Y	116.0	0.00	10.02	0.00	0	0	0	100	0.00	0.0	11.551	0.067	0	0	0	0	L
L PC-137941	PC-148389	C	2 ACSR	6.96Y	116.0	0.01	10.02	6.35	4	43	8	98	0.00	0.0	11.344	0.070	0	0	0	8	L
L PC-140396	PC-137941	C	2 ACSR	6.96Y	116.0	0.00	10.03	6.35	4	43	8	98	0.00	0.0	11.361	0.017	0	0	0	8	L
L PC-149794	PC-140396	C	2 ACSR	6.96Y	116.0	0.01	10.04	5.16	3	35	7	98	0.00	0.0	11.429	0.069	0	0	0	7	L
L PC-136774	PC-149794	C	2 ACSR	6.96Y	115.9	0.02	10.06	5.16	3	35	7	98	0.01	0.0	11.585	0.155	0	0	0	7	L
L PC-139743	PC-136774	C	2 ACSR	6.96Y	115.9	0.02	10.08	5.16	3	35	7	98	0.00	0.0	11.679	0.095	0	0	0	7	L
L PC-139139	PC-139743	C	2 ACSR	6.95Y	115.9	0.01	10.09	4.56	3	31	6	98	0.00	0.0	11.759	0.080	0	0	0	6	L
L PC-147605	PC-139139	C	2 ACSR	6.95Y	115.9	0.01	10.10	4.36	2	30	6	98	0.00	0.0	11.812	0.053	0	0	0	5	L
L PC-140379	PC-147605	C	2 ACSR	6.95Y	115.9	0.01	10.11	3.01	2	21	4	98	0.00	0.0	11.915	0.103	0	0	0	4	L
L PC-148419	PC-140379	C	2 ACSR	6.95Y	115.9	0.01	10.11	2.64	1	18	3	99	0.00	0.0	11.991	0.076	0	0	0	3	L
L PC-138634	PC-148419	C	2 ACSR	6.95Y	115.9	0.00	10.11	2.64	1	18	3	99	0.00	0.0	12.011	0.021	0	0	0	3	L
L PC-139080	PC-138634	C	2 ACSR	6.95Y	115.9	0.00	10.11	2.64	1	18	3	99	0.00	0.0	12.017	0.006	0	0	0	3	L
L PC-139252	PC-139080	C	2 ACSR	6.95Y	115.9	0.00	10.12	2.64	1	18	3	99	0.00	0.0	12.039	0.022	0	0	0	3	L
L PC-173911	PC-139252	C	2 ACSR	6.95Y	115.9	0.00	10.12	1.10	1	8	1	99	0.00	0.0	12.045	0.006	0	0	0	1	L
L PC-148424	PC-139252	C	2 ACSR	6.95Y	115.9	0.00	10.12	1.54	1	11	2	98	0.00	0.0	12.064	0.025	0	0	0	2	L
L PC-148421	PC-148424	C	2 ACSR	6.95Y	115.9	0.00	10.12	1.54	1	11	2	98	0.00	0.0	12.113	0.049	0	0	0	2	L
L PC-136547	PC-148421	C	2 ACSR	6.95Y	115.9	0.00	10.12	1.54	1	11	2	98	0.00	0.0	12.153	0.039	0	0	0	2	L
L PC-137987	PC-136547	C	2 ACSR	6.95Y	115.9	0.00	10.12	1.54	1	11	2	98	0.00	0.0	12.194	0.041	0	0	0	2	L
L PC-137838	PC-137987	C	2 ACSR	6.95Y	115.9	0.00	10.13	1.54	1	11	2	98	0.00	0.0	12.254	0.060	0	0	0	2	L
L PC-140376	PC-137838	C	2 ACSR	6.95Y	115.9	0.00	10.13	1.54	1	11	2	98	0.00	0.0	12.327	0.073	0	0	0	2	L
L PC-140188	PC-140376	C	2 ACSR	6.95Y	115.9	0.00	10.13	1.54	1	11	2	98	0.00	0.0	12.383	0.056	0	0	0	2	L
L PC-140192	PC-140188	C	2 ACSR	6.95Y	115.9	0.00	10.13	0.18	0	1	0	100	0.00	0.0	12.440	0.057	0	0	0	1	L
L PC-134882	PC-140192	C	2 ACSR	6.95Y	115.9	0.00	10.13	0.18	0	1	0	100	0.00	0.0	12.504	0.063	0	0	0	1	L
L PC-139173	PC-134882	C	2 ACSR	6.95Y	115.9	0.00	10.13	0.18	0	1	0	100	0.00	0.0	12.555	0.051	0	0	0	1	L
L PC-134335	PC-140188	C	2 ACSR	6.95Y	115.9	0.00	10.13	1.36	1	9	2	98	0.00	0.0	12.426	0.043	0	0	0	1	L
L PC-137926	PC-138634	C	2 ACSR	6.95Y	115.9	0.00	10.11	0.00	0	0	0	100	0.00	0.0	12.059	0.048	0	0	0	0	L
L PC-143066	PC-140379	C	2 ACSR	6.95Y	115.9	0.00	10.11	0.37	0	3	0	100	0.00	0.0	11.931	0.015	0	0	0	1	L
L PC-158441	PC-143066	C	1/0 URD PR	6.95Y	115.9	0.00	10.11	0.37	0	3	0	100	0.00	0.0	11.936	0.006	0	0	0	1	L
L PC-155989	PC-158441	C	1/0 URD PR	6.95Y	115.9	0.00	10.11	0.37	0	3	0	100	0.00	0.0	12.058	0.122	0	0	0	1	L
L PC-140191	PC-147605	C	2 ACSR	6.95Y	115.9	0.00	10.10	1.35	1	9	2	98	0.00	0.0	11.835	0.023	0	0	0	1	L
L PC-139253	PC-139139	C	4 ACSR	6.95Y	115.9	0.00	10.09	0.20	0	1	0	100	0.00	0.0	11.804	0.045	0	0	0	1	L
L PC-147748	PC-137523	C	2 ACSR	6.96Y	116.0	0.00	9.98	1.65	1	11	2	98	0.00	0.0	11.241	0.054	0	0	0	1	L
L PC-140441	PC-147748	C	2 ACSR	6.96Y	116.0	0.00	9.98	1.65	1	11	2	98	0.00	0.0	11.260	0.019	0	0	0	1	L
L PC-140187	PC-140441	C	2 ACSR	6.96Y	116.0	0.00	9.98	1.65	1	11	2	98	0.00	0.0	11.302	0.042	0	0	0	1	L
L PC-137956	PC-138761	C	2 ACSR	6.97Y	116.2	0.01	9.84	3.92	2	27	5	98	0.00	0.0	10.992	0.074	0	0	0	3	L
L PC-137865	PC-137956	C	2 ACSR	6.97Y	116.1	0.01	9.85	3.25	2	22	4	98	0.00	0.0	11.055	0.063	0	0	0	2	L
L PC-136598	PC-137865	C	2 ACSR	6.97Y	116.1	0.01	9.86	3.25	2	22	4	98	0.00	0.0	11.105	0.050	0	0	0	2	L
L PC-140940	PC-136598	C	2 ACSR	6.97Y	116.1	0.00	9.86	3.25	2	22	4	98	0.00	0.0	11.130	0.025	0	0	0	2	L
L PC-131806	PC-140940	C	2 ACSR	6.97Y	116.1	0.00	9.86	3.25	2	22	4	98	0.00	0.0	11.165	0.035	0	0	0	2	L
L PC-136592	PC-131806	C	2 ACSR	6.97Y	116.1	0.00	9.87	3.25	2	22	4	98	0.00	0.0	11.211	0.046	0	0	0	2	L
L PC-132032	PC-136592	C	2 ACSR	6.97Y	116.1	0.00	9.87	1.82	1	12	2	99	0.00	0.0	11.274	0.062	0	0	0	1	L
L PC-132031	PC-132032	C	2 ACSR	6.97Y	116.1	0.00	9.87	1.82	1	12	2	99	0.00	0.0	11.320	0.047	0	0	0	1	L
L PC-167033	PC-132031	C	1/0 URD PR	6.97Y	116.1	0.00	9.87	1.82	1	12	2	99	0.00	0.0	11.326	0.006	0	0	0	1	L
L PC-156214	PC-167033	C	1/0 URD PR	6.97Y	116.1	0.00	9.87	1.82	1	12	2	99	0.00	0.0	11.345	0.020	0	0	0	1	L
L PC-133550	PC-135185	C	4 ACSR	6.97Y	116.2	0.00	9.79	2.24	2	15	3	98	0.00	0.0	10.889	0.039	0	0	0	5	L
L PC-136749	PC-133550	C	4 ACSR	6.97Y	116.2	0.00	9.79	1.37	1	9	2	98	0.00	0.0	10.911	0.021	0	0	0	2	L
L PC-132667	PC-136749	C	4 ACSR	6.97Y	116.2	0.00	9.79	1.37	1	9	2	98	0.00	0.0	10.944	0.033	0	0	0	2	L
L PC-132030	PC-132667	C	2 ACSR	6.97Y	116.2	0.00	9.80	1.19	1	8	2	97	0.00	0.0	11.021	0.077	0	0	0	1	L
L PC-176850	PC-132030	C	2 ACSR	6.97Y	116.2	0.00	9.80	1.19	1	8	2	97	0.00	0.0	11.097	0.076	0	0	0	1	L
L PC-148440	PC-176850	C	2 ACSR	6.97Y	116.2	0.00	9.80	1.19	1	8	2	97	0.00	0.0	11.160	0.063	0	0	0	1	L
L PC-146410	PC-146311	C	2 ACSR	6.99Y	116.5	0.08	9.52	22.79	13	157	30	98	0.09	0.1	10.546	0.111	0	0	0	25	L
L PC-133180	PC-146410	C	2 ACSR	6.99Y	116.5	0.00	9.52	22.79	13	157	29	98	0.00	0.0	10.552	0.006	0	0	0	25	L
L D4497	PC-133180	C	REC_35_UNK	6.99Y	116.5	0.00	9.52	22.79	0	157	29	98	0.00	0.0	10.552	0.006	0	0	0	25	L
L PC-137212	D4497	C	2 ACSR	6.99Y	116.4	0.03	9.56	22.79	13	157	29	98	0.04	0.0	10.599	0.047	0	0	0	25	L
L PC-140166	PC-137212	C	2 ACSR	6.98Y	116.4	0.04	9.60	22.79	13	156	29	98	0.05	0.0	10.656	0.057	0	0	0	25	L
L PC-141929	PC-140166	C	2 ACSR	6.98Y	116.4	0.03	9.62	22.79	13	156	29	98	0.03	0.0	10.692	0.036	0	0	0	25	L
L PC-135328	PC-141929	C	2 ACSR	6.98Y	116.4	0.02	9.65	9.10	5	62	12	98	0.01	0.0	10.776	0.084	0	0	0	11	L
L PC-138045	PC-135328	C	2 ACSR	6.98Y	116.3	0.02	9.67	9.10	5	62	12	98	0.01	0.0	10.853	0.077	0	0	0	11	L
L PC-139736	PC-138045	C	2 ACSR	6.98Y	116.3	0.02	9.68	9.10	5	62	12	98	0.01	0.0	10.910	0.057	0	0	0	11	L
L PC-138400	PC-139736	C	2 ACSR	6.98Y	116.3	0.02	9.70	9.10	5	62	12	98	0.01	0.0	10.972	0.062	0	0	0	11	L
L PC-142342	PC-138400	C	2 ACSR	6.98Y	116.3	0.02	9.72	9.10	5	62	12	98	0.01	0.0	11.046	0.073	0	0	0	11	L
L PC-139479	PC-142342	C	2 ACSR	6.98Y	116.3	0.02	9.74	9.10	5	62	12	98	0.01	0.0	11.108	0.062	0	0	0	11	L
L PC-139247	PC-139479	C	2 ACSR	6.97Y	116.2	0.02	9.76	9.10	5	62	12	98	0.01	0.0	11.170	0.062	0	0	0	11	L
L PC-138985	PC-139247	C	2 ACSR	6.97Y	116.2	0.02	9.78	9.10	5	62	12	98	0.01	0.0	11.238	0.068	0	0	0	11	L
L PC-137188	PC-138985	C	2 ACSR	6.97Y	116.2	0.02	9.79	9.10	5	62	12	98	0.01	0.0	11.298	0.060	0	0	0	11	L
L PC-138520	PC-137188	C	2 ACSR	6.97Y	116.2	0.01	9.81	9.10	5	62	12	98	0.01	0.0	11.338	0.040	0	0	0	11	L

Balanced Voltage Drop Report
Source: LEES_LICK

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\BASE WINTER SUB ALLOCATION.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L PC-147248	PC-138520	C	2 ACSR	6.97Y	116.2	0.01	9.82	9.10	5	62	12	98	0.01	0.0	11.390	0.052	0	0	0	11	L
L PC-148199	PC-147248	C	2 ACSR	6.97Y	116.2	0.02	9.84	9.10	5	62	12	98	0.01	0.0	11.468	0.078	0	0	0	11	L
L PC-139400	PC-148199	C	2 ACSR	6.97Y	116.1	0.02	9.86	9.10	5	62	12	98	0.01	0.0	11.530	0.062	0	0	0	11	L
L PC-139401	PC-139400	C	2 ACSR	6.97Y	116.1	0.01	9.87	9.10	5	62	12	98	0.01	0.0	11.573	0.043	0	0	0	11	L
L PC-139248	PC-139401	C	2 ACSR	6.97Y	116.1	0.01	9.88	9.10	5	62	12	98	0.01	0.0	11.617	0.045	0	0	0	11	L
L PC-134512	PC-139248	C	2 ACSR	6.97Y	116.1	0.02	9.90	9.10	5	62	12	98	0.01	0.0	11.681	0.064	0	0	0	11	L
L PC-138987	PC-134512	C	2 ACSR	6.97Y	116.1	0.01	9.91	7.08	4	48	9	98	0.00	0.0	11.729	0.047	0	0	0	9	L
L PC-139060	PC-138987	C	2 ACSR	6.96Y	116.1	0.01	9.92	5.92	3	41	8	98	0.00	0.0	11.777	0.048	0	0	0	8	L
L PC-140938	PC-139060	C	2 ACSR	6.96Y	116.1	0.01	9.93	4.54	3	31	6	98	0.00	0.0	11.827	0.051	0	0	0	7	L
L PC-156161	PC-140938	C	1/0 URD PR	6.96Y	116.1	0.00	9.93	2.22	1	15	3	98	0.00	0.0	11.833	0.006	0	0	0	4	L
L PC-156162	PC-156161	C	1/0 URD PR	6.96Y	116.1	0.00	9.93	2.22	1	15	3	98	0.00	0.0	11.856	0.023	0	0	0	4	L
L PC-159081	PC-156162	C	1/0 URD PR	6.96Y	116.1	0.00	9.93	0.90	1	6	1	99	0.00	0.0	11.950	0.094	0	0	0	3	L
L PC-159082	PC-159081	C	1/0 URD PR	6.96Y	116.1	0.00	9.93	0.11	0	1	0	100	0.00	0.0	11.986	0.036	0	0	0	1	L
L PC-155979	PC-159082	C	1/0 URD PR	6.96Y	116.1	0.00	9.93	0.11	0	1	0	100	0.00	0.0	11.989	0.004	0	0	0	1	L
L PC-130949	PC-155979	C	2 ACSR	6.96Y	116.1	0.00	9.93	0.11	0	1	0	100	0.00	0.0	11.995	0.006	0	0	0	1	L
L PC-139059	PC-130949	C	2 ACSR	6.96Y	116.1	0.00	9.93	0.11	0	1	0	100	0.00	0.0	12.070	0.075	0	0	0	1	L
L PC-136315	PC-140938	C	2 ACSR	6.96Y	116.1	0.00	9.93	2.31	1	16	3	98	0.00	0.0	11.882	0.055	0	0	0	3	L
L PC-131115	PC-136315	C	2 ACSR	6.96Y	116.1	0.00	9.94	2.31	1	16	3	98	0.00	0.0	11.932	0.050	0	0	0	3	L
L PC-134953	PC-131115	C	2 ACSR	6.96Y	116.1	0.00	9.94	2.31	1	16	3	98	0.00	0.0	11.978	0.046	0	0	0	3	L
L PC-137962	PC-134953	C	2 ACSR	6.96Y	116.1	0.00	9.94	1.73	1	12	2	99	0.00	0.0	12.024	0.047	0	0	0	2	L
L PC-137871	PC-137962	C	2 ACSR	6.96Y	116.1	0.00	9.95	1.73	1	12	2	99	0.00	0.0	12.074	0.050	0	0	0	2	L
L PC-137965	PC-137871	C	2 ACSR	6.96Y	116.1	0.00	9.95	1.73	1	12	2	99	0.00	0.0	12.126	0.052	0	0	0	2	L
L PC-137891	PC-137965	C	2 ACSR	6.96Y	116.0	0.00	9.95	1.73	1	12	2	99	0.00	0.0	12.169	0.043	0	0	0	2	L
L PC-138598	PC-137891	C	2 ACSR	6.96Y	116.0	0.00	9.95	1.73	1	12	2	99	0.00	0.0	12.225	0.056	0	0	0	2	L
L PC-133181	PC-138598	C	2 ACSR	6.96Y	116.0	0.00	9.96	1.73	1	12	2	99	0.00	0.0	12.263	0.038	0	0	0	2	L
L PC-141832	PC-133181	C	2 ACSR	6.96Y	116.0	0.00	9.96	1.73	1	12	2	99	0.00	0.0	12.305	0.043	0	0	0	2	L
L PC-136279	PC-141832	C	2 ACSR	6.96Y	116.0	0.00	9.96	1.73	1	12	2	99	0.00	0.0	12.363	0.058	0	0	0	2	L
L PC-142490	PC-136279	C	2 ACSR	6.96Y	116.0	0.00	9.96	1.73	1	12	2	99	0.00	0.0	12.419	0.055	0	0	0	2	L
L PC-136968	PC-142490	C	2 ACSR	6.96Y	116.0	0.00	9.97	1.73	1	12	2	99	0.00	0.0	12.485	0.066	0	0	0	2	L
L PC-138953	PC-136968	C	2 ACSR	6.96Y	116.0	0.00	9.97	1.73	1	12	2	99	0.00	0.0	12.541	0.056	0	0	0	2	L
L PC-134856	PC-138953	C	2 ACSR	6.96Y	116.0	0.00	9.97	1.73	1	12	2	99	0.00	0.0	12.608	0.067	0	0	0	2	L
L PC-165984	PC-134856	C	2 ACSR	6.96Y	116.0	0.00	9.98	1.73	1	12	2	99	0.00	0.0	12.670	0.062	0	0	0	2	L
L PC-165925	PC-165984	C	2 ACSR	6.96Y	116.0	0.00	9.98	1.73	1	12	2	99	0.00	0.0	12.731	0.060	0	0	0	2	L
L PC-165926	PC-165925	C	2 ACSR	6.96Y	116.0	0.00	9.98	1.73	1	12	2	99	0.00	0.0	12.800	0.069	0	0	0	2	L
L PC-159097	PC-165926	C	1/0 URD PR	6.96Y	116.0	0.00	9.98	0.81	0	6	1	99	0.00	0.0	12.805	0.006	0	0	0	1	L
L PC-158869	PC-159097	C	1/0 URD PR	6.96Y	116.0	0.00	9.99	0.81	0	6	1	99	0.00	0.0	12.857	0.052	0	0	0	1	L
L PC-165924	PC-165984	C	1/0 URD PR	6.96Y	116.0	0.00	9.98	0.00	0	0	0	100	0.00	0.0	12.676	0.006	0	0	0	0	L
L PC-165803	PC-165924	C	1/0 URD PR	6.96Y	116.0	0.00	9.98	0.00	0	0	0	100	0.00	0.0	12.724	0.048	0	0	0	0	L
L PC-135075	PC-134953	C	2 ACSR	6.96Y	116.1	0.00	9.94	0.59	0	4	1	97	0.00	0.0	12.019	0.041	0	0	0	1	L
L PC-135308	PC-141929	C	2 ACSR	6.98Y	116.3	0.03	9.65	13.69	8	94	18	98	0.02	0.0	10.763	0.071	0	0	0	14	L
L PC-137858	PC-135308	C	2 ACSR	6.98Y	116.3	0.03	9.68	13.69	8	94	18	98	0.02	0.0	10.837	0.073	0	0	0	13	L
L PC-137811	PC-137858	C	2 ACSR	6.98Y	116.3	0.03	9.71	13.69	8	94	18	98	0.02	0.0	10.907	0.070	0	0	0	13	L
L PC-139742	PC-137811	C	2 ACSR	6.98Y	116.3	0.02	9.73	13.69	8	94	18	98	0.01	0.0	10.944	0.037	0	0	0	13	L
L PC-136188	PC-139742	C	2 ACSR	6.97Y	116.2	0.04	9.77	13.69	8	94	18	98	0.03	0.0	11.032	0.088	0	0	0	13	L
L PC-139003	PC-136188	C	2 ACSR	6.97Y	116.2	0.01	9.78	13.69	8	94	18	98	0.01	0.0	11.056	0.024	0	0	0	13	L
L PC-141144	PC-139003	C	2 ACSR	6.97Y	116.2	0.03	9.81	13.69	8	94	18	98	0.02	0.0	11.125	0.069	0	0	0	13	L
L PC-140852	PC-141144	C	2 ACSR	6.97Y	116.2	0.03	9.83	13.69	8	94	18	98	0.02	0.0	11.187	0.062	0	0	0	13	L
L PC-136627	PC-140852	C	2 ACSR	6.97Y	116.1	0.02	9.85	13.69	8	94	18	98	0.01	0.0	11.228	0.041	0	0	0	13	L
L PC-141145	PC-136627	C	2 ACSR	6.97Y	116.1	0.02	9.87	13.61	8	93	17	98	0.01	0.0	11.270	0.042	0	0	0	12	L
L PC-139734	PC-141145	C	2 ACSR	6.97Y	116.1	0.02	9.89	13.61	8	93	17	98	0.01	0.0	11.315	0.044	0	0	0	12	L
L PC-136782	PC-139734	C	2 ACSR	6.96Y	116.1	0.03	9.92	13.61	8	93	17	98	0.02	0.0	11.392	0.078	0	0	0	12	L
L PC-162811	PC-136782	C	2 ACSR	6.96Y	116.1	0.00	9.92	0.81	0	6	1	99	0.00	0.0	11.438	0.045	0	0	0	1	L
L PC-162812	PC-162811	C	2 ACSR	6.96Y	116.1	0.00	9.92	0.81	0	6	1	99	0.00	0.0	11.453	0.016	0	0	0	1	L
L PC-162813	PC-162812	C	2 ACSR	6.96Y	116.1	0.00	9.92	0.81	0	6	1	99	0.00	0.0	11.499	0.046	0	0	0	1	L
L PC-162814	PC-162813	C	2 ACSR	6.96Y	116.1	0.00	9.92	0.81	0	6	1	99	0.00	0.0	11.562	0.063	0	0	0	1	L
L PC-136783	PC-136782	C	2 ACSR	6.96Y	116.1	0.02	9.94	12.81	7	88	16	98	0.02	0.0	11.450	0.057	0	0	0	11	L
L PC-148530	PC-136783	C	2 ACSR	6.96Y	116.0	0.02	9.96	7.71	4	53	10	98	0.01	0.0	11.519	0.069	0	0	0	7	L
L PC-148531	PC-148530	C	2 ACSR	6.96Y	116.0	0.01	9.97	7.71	4	53	10	98	0.00	0.0	11.565	0.046	0	0	0	7	L
L PC-149168	PC-148531	C	2 ACSR	6.96Y	116.0	0.00	9.98	3.02	2	21	4	98	0.00	0.0	11.615	0.050	0	0	0	2	L
L PC-144899	PC-149168	C	2 ACSR	6.96Y	116.0	0.01	9.98	3.02	2	21	4	98	0.00	0.0	11.682	0.067	0	0	0	2	L
L PC-131987	PC-144899	C	2 ACSR	6.96Y	116.0	0.00	9.99	3.02	2	21	4	98	0.00	0.0	11.733	0.051	0	0	0	2	L
L PC-167336	PC-131987	C	1/0 URD PR	6.96Y	116.0	0.00	9.99	3.02	2	21	4	98	0.00	0.0	11.739	0.006	0	0	0	2	L
L PC-167335	PC-167336	C	1/0 URD PR	6.96Y	116.0	0.00	9.99	3.02	2	21	4	98	0.00	0.0	11.763	0.024	0	0	0	2	L
L PC-138430	PC-148531	C	2 ACSR	6.96Y	116.0	0.01	9.98	4.70	3	32	6	98	0.00	0.0	11.620	0.055	0	0	0	5	L
L PC-138582	PC-138430	C	2 ACSR	6.96Y	116.0	0.01	9.98	4.70	3	32	6	98	0.00	0.0	11.656	0.035	0	0	0	5	L
L PC-136833	PC-138582	C	2 ACSR	6.96Y	116.0	0.00	9.99	1.86	1	13	2	99	0.00	0.0	11.705	0.050	0	0	0	2	L
L PC-132028	PC-136833	C	2 ACSR	6.96Y	116.0	0.00	9.99	1.86	1	13	2	99	0.00	0.0	11.783	0.078	0	0	0	2	L
L PC-167348	PC-132028	C	1/0 URD PR	6.96Y	116.0	0.00	9.99	0.74	0	5	1	98	0.00	0.0	11.789	0.006	0	0	0	1	L
L PC-167341	PC-167348	C	1/0 URD PR	6.96Y	116.0	0.00	9.99	0.74	0	5	1	98	0.00	0.0	11.820	0.031	0	0	0	1	L
L PC-138427	PC-138582	C	2 ACSR	6.96Y	116.0	0.00	9.99	2.84	2	19	4	98	0.00	0.0	11.674	0.018	0	0	0	3	L
L PC-137532	PC-138427	C	2 ACSR	6.96Y	116.0	0.01	9.99	2.84	2	19	4	98	0.00	0.0	11.741	0.067	0	0	0	3	L
L PC-135310	PC-137532	C	2 ACSR	6.96Y	116.0	0.00	9.99	2.84	2	19	4	98	0.00	0.0	11.761	0.020	0	0	0	3	L
L PC-135330	PC-135310	C	2 ACSR	6.96Y	116.0	0.01	10.00	2.84	2	19	4	98	0.00	0.0	11.819	0.058	0	0	0	3	L
L PC-147975	PC-135330	C	2 ACSR	6.96Y	116.0	0.00	10.00	2.84	2	19	4	98	0.00	0.0	11.843	0.024	0	0	0	3	L
L PC-136971	PC-147975	C	2 ACSR	6.96Y	116.0	0.00	10.00	2.84	2	19	4	98	0.00	0.0	11.874	0.031	0	0	0	3	L
L PC-148532	PC-136971	C	2 ACSR	6.96Y	116.0	0.00	10.01	2.84	2	19	4	98	0.00	0.0	11.912	0.038	0	0	0	3	L
L PC-139407	PC-148532	C	2 ACSR	6.96Y	116.0	0.01	10.01	2.84	2	19	4	98	0.00	0.0	11.971	0.059	0	0	0	3	L
L PC-139738	PC-139407	C	2 ACSR	6.96Y	116.0	0.00	10.01	1.81	1	12	2	99	0.00	0.0	11.995	0.023	0	0	0	2	L
L PC-139035	PC-139738	C	2 ACSR	6.96Y	116.0	0.00	10.02	1.81	1	12	2	99	0.00	0.0	12.068	0.074	0	0	0	2	L
L PC-156514	PC-139035	C	1/0 URD PR	6.96Y	116.0	0.00	10.02	0.19	0	1	0	100	0.00	0.0	12.182	0.114	0	0	0	1	L

Balanced Voltage Drop Report
Source: LEES_LICK

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\BASE WINTER SUB ALLOCATION.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L PC-137875	PC-136783	C	2 ACSR	6.96Y	116.0	0.01	9.95	5.09	3	35	6	99	0.00	0.0	11.493	0.044	0	0	0	4	L
L PC-155547	PC-137875	C	1/0 URD PR	6.96Y	116.0	0.00	9.95	2.58	2	18	3	99	0.00	0.0	11.496	0.002	0	0	0	2	L
L PC-158200	PC-155547	C	1/0 URD PR	6.96Y	116.0	0.00	9.95	2.58	2	18	3	99	0.00	0.0	11.500	0.004	0	0	0	2	L
L PC-158097	PC-158200	C	1/0 URD PR	6.96Y	116.0	0.01	9.96	2.58	2	18	3	99	0.00	0.0	11.590	0.090	0	0	0	2	L
L PC-159098	PC-158097	C	1/0 URD PR	6.96Y	116.0	0.00	9.96	1.79	1	12	2	99	0.00	0.0	11.668	0.078	0	0	0	1	L
L PC-130784	PC-137875	C	2 ACSR	6.96Y	116.0	0.00	9.95	2.52	1	17	3	98	0.00	0.0	11.523	0.030	0	0	0	2	L
L PC-137531	PC-130784	C	2 ACSR	6.96Y	116.0	0.00	9.95	2.52	1	17	3	98	0.00	0.0	11.555	0.032	0	0	0	2	L
L PC-134803	PC-137531	C	2 ACSR	6.96Y	116.0	0.00	9.96	1.25	1	9	2	98	0.00	0.0	11.595	0.040	0	0	0	1	L
L PC-135936	PC-134803	C	2 ACSR	6.96Y	116.0	0.00	9.96	1.25	1	9	2	98	0.00	0.0	11.655	0.061	0	0	0	1	L
L PC-101145	PC-136742	C	4 ACSR	7.01Y	116.9	0.24	9.12	49.66	35	343	67	98	0.64	0.2	8.502	0.105	0	0	0	50	L
L PC-141148	PC-101145	C	4 ACSR	7.01Y	116.9	0.03	9.15	47.87	34	330	64	98	0.08	0.0	8.516	0.013	0	0	0	48	L
L PC-135409	PC-141148	C	4 ACSR	7.00Y	116.7	0.17	9.32	47.87	34	330	64	98	0.45	0.1	8.595	0.079	0	0	0	48	L
L PC-132313	PC-135409	C	4 ACSR	6.99Y	116.5	0.21	9.52	47.87	34	329	64	98	0.54	0.2	8.691	0.096	0	0	0	48	L
L PC-135349	PC-132313	C	4 ACSR	6.98Y	116.3	0.16	9.69	47.87	34	329	63	98	0.43	0.1	8.767	0.076	0	0	0	48	L
L PC-136962	PC-135349	C	4 ACSR	6.97Y	116.1	0.16	9.85	42.63	30	292	56	98	0.38	0.1	8.852	0.085	0	0	0	45	L
L PC-136920	PC-136962	C	4 ACSR	6.96Y	116.0	0.11	9.96	42.63	30	292	56	98	0.26	0.1	8.910	0.058	0	0	0	45	L
L PC-146444	PC-136920	C	4 ACSR	6.95Y	115.9	0.16	10.12	42.63	30	291	56	98	0.37	0.1	8.992	0.082	0	0	0	45	L
L PC-134260	PC-146444	C	4 ACSR	6.94Y	115.7	0.13	10.26	41.36	30	282	54	98	0.30	0.1	9.064	0.072	0	0	0	44	L
L PC-169315	PC-134260	C	4 ACSR	6.94Y	115.6	0.14	10.39	40.62	29	277	53	98	0.31	0.1	9.139	0.075	0	0	0	43	L
L PC-169403	PC-169315	C	4 ACSR	6.93Y	115.5	0.07	10.46	38.75	28	264	50	98	0.14	0.1	9.177	0.038	0	0	0	41	L
L PC-137029	PC-169403	C	4 ACSR	6.93Y	115.4	0.09	10.55	38.75	28	264	50	98	0.20	0.1	9.230	0.053	0	0	0	41	L
L PC-136226	PC-137029	C	4 ACSR	6.92Y	115.3	0.10	10.65	37.40	27	254	49	98	0.20	0.1	9.288	0.058	0	0	0	40	L
L PC-124118	PC-136226	C	4 ACSR	6.92Y	115.3	0.07	10.72	37.40	27	254	48	98	0.14	0.1	9.329	0.041	0	0	0	40	L
L PC-135551	PC-124118	C	4 ACSR	6.92Y	115.3	0.00	10.72	0.00	0	0	0	100	0.00	0.0	9.401	0.072	0	0	0	0	L
L PC-135106	PC-135551	C	4 ACSR	6.92Y	115.3	0.00	10.72	0.00	0	0	0	100	0.00	0.0	9.527	0.126	0	0	0	0	L
L PC-132250	PC-135106	C	4 ACSR	6.92Y	115.3	0.00	10.72	0.00	0	0	0	100	0.00	0.0	9.554	0.027	0	0	0	0	L
L PC-132888	PC-132250	C	4 ACSR	6.92Y	115.3	0.00	10.72	0.00	0	0	0	100	0.00	0.0	9.599	0.045	0	0	0	0	L
L PC-141198	PC-132888	C	4 ACSR	6.92Y	115.3	0.00	10.72	0.00	0	0	0	100	0.00	0.0	9.671	0.072	0	0	0	0	L
L PC-131614	PC-124118	C	4 ACSR	6.91Y	115.2	0.08	10.80	37.40	27	254	48	98	0.16	0.1	9.376	0.046	0	0	0	40	L
L PC-141619	PC-131614	C	4 ACSR	6.89Y	114.9	0.31	11.11	37.31	27	253	48	98	0.63	0.2	9.559	0.183	0	0	0	39	L
L PC-135392	PC-141619	C	4 ACSR	6.89Y	114.8	0.10	11.21	37.31	27	253	48	98	0.20	0.1	9.617	0.058	0	0	0	39	L
L PC-141813	PC-135392	C	4 ACSR	6.88Y	114.7	0.13	11.34	37.31	27	253	48	98	0.27	0.1	9.695	0.078	0	0	0	39	L
L PC-140690	PC-141813	C	4 ACSR	6.88Y	114.7	0.00	11.34	0.63	0	4	1	97	0.00	0.0	9.741	0.046	0	0	0	1	L
L PC-140689	PC-141813	C	4 ACSR	6.87Y	114.5	0.16	11.50	36.62	26	248	47	98	0.32	0.1	9.791	0.096	0	0	0	37	L
L PC-141489	PC-140689	C	2 ACSR	6.87Y	114.5	0.01	11.50	7.35	4	50	9	98	0.00	0.0	9.815	0.024	0	0	0	6	L
L PC-141719	PC-141489	C	2 ACSR	6.87Y	114.5	0.01	11.51	6.59	4	45	8	98	0.00	0.0	9.859	0.044	0	0	0	5	L
L PC-163997	PC-141719	C	2 ACSR	6.87Y	114.5	0.00	11.51	6.59	4	45	8	98	0.00	0.0	9.877	0.018	0	0	0	5	L
L PC-135026	PC-163997	C	2 ACSR	6.87Y	114.5	0.01	11.52	4.71	3	32	6	98	0.00	0.0	9.925	0.048	0	0	0	4	L
L PC-163485	PC-135026	C	2 ACSR	6.87Y	114.5	0.00	11.52	3.08	2	21	4	98	0.00	0.0	9.972	0.047	0	0	0	2	L
L PC-135049	PC-163485	C	2 ACSR	6.87Y	114.5	0.00	11.53	3.08	2	21	4	98	0.00	0.0	10.011	0.039	0	0	0	2	L
L PC-139549	PC-135049	C	2 ACSR	6.87Y	114.5	0.00	11.53	1.72	1	12	2	99	0.00	0.0	10.052	0.040	0	0	0	1	L
L PC-150323	PC-139549	C	2 ACSR	6.87Y	114.5	0.00	11.53	1.72	1	12	2	99	0.00	0.0	10.094	0.042	0	0	0	1	L
L PC-134924	PC-140689	C	4 ACSR	6.86Y	114.4	0.14	11.63	29.28	21	198	37	98	0.22	0.1	9.896	0.105	0	0	0	31	L
L PC-135534	PC-134924	C	4 ACSR	6.86Y	114.3	0.04	11.67	29.28	21	197	37	98	0.06	0.0	9.926	0.030	0	0	0	31	L
L PC-142048	PC-135534	C	4 ACSR	6.86Y	114.3	0.06	11.73	27.82	20	188	35	98	0.09	0.0	9.972	0.046	0	0	0	29	L
L PC-130549	PC-142048	C	4 ACSR	6.84Y	114.0	0.23	11.96	24.98	18	168	32	98	0.31	0.2	10.173	0.201	0	0	0	27	L
L PC-136372	PC-130549	C	4 ACSR	6.84Y	114.0	0.06	12.02	8.72	6	59	11	98	0.03	0.0	10.328	0.155	0	0	0	10	L
L PC-132349	PC-136372	C	4 ACSR	6.84Y	114.0	0.00	12.02	0.29	0	2	0	100	0.00	0.0	10.403	0.075	0	0	0	1	L
L PC-134561	PC-132349	C	4 ACSR	6.84Y	114.0	0.00	12.02	0.00	0	0	0	100	0.00	0.0	10.457	0.054	0	0	0	0	L
L PC-131261	PC-136372	C	6 ACWC	6.84Y	113.9	0.03	12.05	8.43	6	57	11	98	0.02	0.0	10.416	0.088	0	0	0	9	L
L PC-136282	PC-131261	C	6 ACWC	6.84Y	113.9	0.01	12.06	5.15	4	35	6	99	0.00	0.0	10.440	0.024	0	0	0	4	L
L PC-142501	PC-136282	C	6 ACWC	6.84Y	113.9	0.01	12.06	3.40	2	23	4	99	0.00	0.0	10.477	0.037	0	0	0	3	L
L PC-142504	PC-142501	C	2 ACSR	6.84Y	113.9	0.00	12.06	1.40	1	9	2	98	0.00	0.0	10.502	0.025	0	0	0	1	L
L PC-136386	PC-142501	C	2 ACSR	6.84Y	113.9	0.00	12.06	1.25	1	8	2	97	0.00	0.0	10.486	0.009	0	0	0	1	L
L PC-131808	PC-136386	C	2 ACSR	6.84Y	113.9	0.00	12.06	0.00	0	0	0	100	0.00	0.0	10.569	0.083	0	0	0	0	L
L PC-140855	PC-131808	C	2 ACSR	6.84Y	113.9	0.00	12.06	0.00	0	0	0	100	0.00	0.0	10.592	0.023	0	0	0	0	L
L PC-128597	PC-136386	C	2 ACSR	6.84Y	113.9	0.00	12.06	1.25	1	8	2	97	0.00	0.0	10.535	0.049	0	0	0	1	L
L PC-130731	PC-131261	C	4 ACSR	6.84Y	113.9	0.01	12.06	1.50	1	10	2	98	0.00	0.0	10.500	0.084	0	0	0	3	L
L PC-134445	PC-130731	C	4 ACSR	6.84Y	113.9	0.00	12.06	1.50	1	10	2	98	0.00	0.0	10.550	0.050	0	0	0	2	L
L PC-131788	PC-134445	C	4 ACSR	6.84Y	113.9	0.01	12.07	1.50	1	10	2	98	0.00	0.0	10.624	0.074	0	0	0	2	L
L PC-131430	PC-131788	C	4 ACSR	6.84Y	113.9	0.00	12.07	0.73	1	5	1	98	0.00	0.0	10.676	0.052	0	0	0	1	L
L PC-136384	PC-130549	C	4 ACSR	6.84Y	113.9	0.11	12.06	16.26	12	109	20	98	0.10	0.1	10.318	0.145	0	0	0	17	L
L PC-131252	PC-136384	C	4 ACSR	6.83Y	113.8	0.10	12.16	14.41	10	97	18	98	0.08	0.1	10.473	0.154	0	0	0	16	L
L PC-132639	PC-131252	C	4 ACSR	6.83Y	113.8	0.03	12.19	14.41	10	97	18	98	0.02	0.0	10.514	0.041	0	0	0	16	L
L PC-132932	PC-132639	C	4 ACSR	6.82Y	113.7	0.10	12.29	12.89	9	87	16	98	0.07	0.1	10.686	0.172	0	0	0	15	L
L PC-131176	PC-132932	C	4 ACSR	6.82Y	113.7	0.02	12.31	9.74	7	65	12	98	0.01	0.0	10.730	0.043	0	0	0	13	L
L PC-141365	PC-131176	C	4 ACSR	6.82Y	113.7	0.02	12.33	9.74	7	65	12	98	0.01	0.0	10.774	0.045	0	0	0	13	L
L PC-134808	PC-141365	C	4 ACSR	6.82Y	113.7	0.02	12.35	8.86	6	59	11	98	0.01	0.0	10.819	0.044	0	0	0	12	L
L PC-141745	PC-134808	C	4 ACSR	6.82Y	113.6	0.04	12.38	7.77	6	52	10	98	0.01	0.0	10.919	0.100	0	0	0	11	L
L PC-134816	PC-141745	C	4 ACSR	6.82Y	113.6	0.03	12.41	7.77	6	52	10	98	0.01	0.0	11.004	0.086	0	0	0	11	L
L PC-130837	PC-134816	C	4 ACSR	6.82Y	113.6	0.00	12.41	7.77	6	52	10	98	0.00	0.0	11.009	0.005	0	0	0	11	L
L PC-132252	PC-130837	C	4 ACSR	6.81Y	113.6	0.01	12.42	7.77	6	52	10	98	0.00	0.0	11.025	0.015	0	0	0	11	L
L PC-134463	PC-132252	C	4 ACSR	6.81Y	113.6	0.01	12.43	7.51	5	50	9	98	0.01	0.0	11.061	0.036	0	0	0	10	L
L PC-132112	PC-134463	C	4 ACSR	6.81Y	113.6	0.02	12.45	7.51	5	50	9	98	0.01	0.0	11.109	0.048	0	0	0	10	L
L PC-141681	PC-132112	C	4 ACSR	6.81Y	113.5	0.00	12.45	1.39	1	9	2	98	0.00	0.0	11.181	0.072	0	0	0	2	L
L PC-129975	PC-141681	C	4 ACSR	6.81Y	113.5	0.00	12.46	1.39	1	9	2	98	0.00	0.0	11.248	0.067	0	0	0	2	L
L PC-141706	PC-129975	C	4 ACSR	6.81Y	113.5	0.00	12.46	1.39	1	9	2	98	0.00	0.0	11.310	0.062	0	0	0	1	L
L PC-130531	PC-129975	C	2 ACSR	6.81Y	113.5	0.00	12.46	0.00	0	0	0	100	0.00	0.0	11.321	0.073	0	0	0	1	L
L PC-134860	PC-132112	C	4 ACSR	6.81Y	113.5	0.03	12.48	6.12	4	41	8	98	0.01	0.0	11.217	0.108	0	0	0	8	L
L PC-132636	PC-134860	C	4 ACSR	6.81Y	113.5	0.01	12.49	6.12	4	41	8	98	0.00	0.0	11.251	0.034	0	0	0	8	L

Balanced Voltage Drop Report
Source: LEES_LICK

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\BASE WINTER SUB ALLOCATION.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L PC-134440	PC-132636	C	4 ACSR	6.81Y	113.5	0.01	12.50	6.12	4	41	8	98	0.00	0.0	11.279	0.028	0	0	0	8	L
L PC-141683	PC-134440	C	2 ACSR	6.81Y	113.5	0.00	12.50	2.23	1	15	3	98	0.00	0.0	11.311	0.032	0	0	0	2	L
L PC-132168	PC-141683	C	2 ACSR	6.81Y	113.5	0.00	12.50	2.23	1	15	3	98	0.00	0.0	11.345	0.034	0	0	0	2	L
L PC-140914	PC-134440	C	4 ACSR	6.81Y	113.5	0.00	12.50	1.49	1	10	2	98	0.00	0.0	11.342	0.063	0	0	0	3	L
L PC-134721	PC-140914	C	4 ACSR	6.81Y	113.5	0.00	12.50	1.49	1	10	2	98	0.00	0.0	11.383	0.041	0	0	0	3	L
L PC-134722	PC-134721	C	4 ACSR	6.81Y	113.5	0.00	12.51	0.93	1	6	1	99	0.00	0.0	11.458	0.075	0	0	0	2	L
L PC-134719	PC-134722	C	4 ACSR	6.81Y	113.5	0.00	12.51	0.93	1	6	1	99	0.00	0.0	11.550	0.092	0	0	0	2	L
L PC-134720	PC-134719	C	4 ACSR	6.81Y	113.5	0.00	12.51	0.93	1	6	1	99	0.00	0.0	11.576	0.025	0	0	0	2	L
L PC-134740	PC-134720	C	4 ACSR	6.81Y	113.5	0.00	12.51	0.93	1	6	1	99	0.00	0.0	11.615	0.040	0	0	0	2	L
L PC-134714	PC-134740	C	4 ACSR	6.81Y	113.5	0.00	12.51	0.43	0	3	1	95	0.00	0.0	11.662	0.047	0	0	0	1	L
L PC-132165	PC-134714	C	4 ACSR	6.81Y	113.5	0.00	12.51	0.43	0	3	1	95	0.00	0.0	11.698	0.035	0	0	0	1	L
L PC-131299	PC-134714	C	4 ACSR	6.81Y	113.5	0.00	12.51	0.00	0	0	0	100	0.00	0.0	11.717	0.055	0	0	0	0	L
L PC-134330	PC-131299	C	4 ACSR	6.81Y	113.5	0.00	12.51	0.00	0	0	0	100	0.00	0.0	11.806	0.089	0	0	0	0	L
L PC-141308	PC-134330	C	4 ACSR	6.81Y	113.5	0.00	12.51	0.00	0	0	0	100	0.00	0.0	11.886	0.080	0	0	0	0	L
L PC-135627	PC-141308	C	4 ACSR	6.81Y	113.5	0.00	12.51	0.00	0	0	0	100	0.00	0.0	11.971	0.085	0	0	0	0	L
L PC-135484	PC-135627	C	4 ACSR	6.81Y	113.5	0.00	12.51	0.00	0	0	0	100	0.00	0.0	12.059	0.088	0	0	0	0	L
L PC-141614	PC-135484	C	4 ACSR	6.81Y	113.5	0.00	12.51	0.00	0	0	0	100	0.00	0.0	12.113	0.054	0	0	0	0	L
L PC-132682	PC-141614	C	4 ACSR	6.81Y	113.5	0.00	12.51	0.00	0	0	0	100	0.00	0.0	12.155	0.042	0	0	0	0	L
L S218-A	PC-132682	C	Open	6.81Y	113.5	0.00	12.51	0.00	0	0	0	100	0.00	0.0	12.155	0.042	0	0	0	0	L
L PC-134838	PC-134440	C	4 ACSR	6.81Y	113.5	0.00	12.50	1.76	1	12	2	99	0.00	0.0	11.311	0.032	0	0	0	2	L
L PC-134736	PC-134838	C	4 ACSR	6.81Y	113.5	0.00	12.50	1.76	1	12	2	99	0.00	0.0	11.362	0.051	0	0	0	2	L
L PC-131683	PC-134736	C	4 ACSR	6.81Y	113.5	0.00	12.51	1.76	1	12	2	99	0.00	0.0	11.416	0.054	0	0	0	2	L
L PC-139813	PC-131683	C	4 ACSR	6.81Y	113.5	0.00	12.51	0.54	0	4	1	97	0.00	0.0	11.450	0.034	0	0	0	1	L
L PC-135732	PC-131683	C	4 ACSR	6.81Y	113.5	0.00	12.51	1.22	1	8	2	97	0.00	0.0	11.471	0.055	0	0	0	1	L
L PC-132686	PC-134440	C	4 ACSR	6.81Y	113.5	0.00	12.50	0.64	0	4	1	97	0.00	0.0	11.366	0.087	0	0	0	1	L
L PC-131175	PC-132932	C	4 ACSR	6.82Y	113.7	0.01	12.30	2.21	2	15	3	98	0.00	0.0	10.760	0.074	0	0	0	1	L
L PC-132438	PC-132639	C	4 ACSR	6.83Y	113.8	0.01	12.20	1.52	1	10	2	98	0.00	0.0	10.597	0.083	0	0	0	1	L
L PC-131183	PC-136384	C	4 ACSR	6.84Y	113.9	0.01	12.07	1.85	1	12	2	99	0.00	0.0	10.423	0.104	0	0	0	1	L
L PC-135043	PC-131183	C	4 ACSR	6.84Y	113.9	0.01	12.08	1.85	1	12	2	99	0.00	0.0	10.486	0.064	0	0	0	1	L
L PC-130548	PC-142048	C	4 ACSR	6.86Y	114.3	0.01	11.74	2.83	2	19	4	98	0.00	0.0	10.057	0.085	0	0	0	2	L
L PC-131827	PC-130548	C	4 ACSR	6.86Y	114.3	0.01	11.75	2.25	2	15	3	98	0.00	0.0	10.117	0.060	0	0	0	1	L
L PC-141618	PC-131614	C	4 ACSR	6.91Y	115.2	0.00	10.80	0.09	0	1	0	100	0.00	0.0	9.450	0.074	0	0	0	1	L
L PC-130843	PC-141618	C	4 ACSR	6.91Y	115.2	0.00	10.80	0.09	0	1	0	100	0.00	0.0	9.533	0.083	0	0	0	1	L
L PC-136632	PC-130843	C	4 ACSR	6.91Y	115.2	0.00	10.80	0.09	0	1	0	100	0.00	0.0	9.658	0.124	0	0	0	1	L
L PC-135552	PC-136632	C	4 ACSR	6.91Y	115.2	0.00	10.80	0.09	0	1	0	100	0.00	0.0	9.714	0.056	0	0	0	1	L
L PC-140976	PC-135552	C	4 ACSR	6.91Y	115.2	0.00	10.80	0.09	0	1	0	100	0.00	0.0	9.814	0.101	0	0	0	1	L
L PC-137094	PC-169315	C	4 ACSR	6.94Y	115.6	0.00	10.40	1.87	1	13	2	99	0.00	0.0	9.174	0.035	0	0	0	2	L
L PC-167980	PC-137094	C	2 ACSR	6.94Y	115.6	0.00	10.40	1.10	1	7	1	99	0.00	0.0	9.206	0.032	0	0	0	1	L
L PC-167979	PC-167980	C	2 ACSR	6.94Y	115.6	0.00	10.40	1.10	1	7	1	99	0.00	0.0	9.226	0.020	0	0	0	1	L
L PC-169402	PC-137094	C	4 ACSR	6.94Y	115.6	0.00	10.40	0.77	1	5	1	98	0.00	0.0	9.242	0.068	0	0	0	1	L
L PC-137108	PC-169402	C	4 ACSR	6.94Y	115.6	0.00	10.40	0.77	1	5	1	98	0.00	0.0	9.320	0.078	0	0	0	1	L
L PC-132470	PC-146444	C	4 ACSR	6.95Y	115.9	0.00	10.13	1.27	1	9	2	98	0.00	0.0	9.035	0.042	0	0	0	1	L
L PC-137333	PC-135349	C	4 ACSR	6.98Y	116.3	0.00	9.69	0.55	0	4	1	97	0.00	0.0	8.824	0.057	0	0	0	1	L
L PC-141192	PC-137333	C	4 ACSR	6.98Y	116.3	0.00	9.69	0.55	0	4	1	97	0.00	0.0	8.928	0.104	0	0	0	1	L
L PC-137033	PC-141192	C	4 ACSR	6.98Y	116.3	0.00	9.69	0.55	0	4	1	97	0.00	0.0	9.011	0.082	0	0	0	1	L
L PC-141104	PC-137033	C	4 ACSR	6.98Y	116.3	0.00	9.69	0.00	0	0	0	100	0.00	0.0	9.062	0.051	0	0	0	0	L
L PC-132461	PC-141104	C	4 ACSR	6.98Y	116.3	0.00	9.69	0.00	0	0	0	100	0.00	0.0	9.170	0.107	0	0	0	0	L
L PC-141194	PC-132461	C	4 ACSR	6.98Y	116.3	0.00	9.69	0.00	0	0	0	100	0.00	0.0	9.234	0.065	0	0	0	0	L
L PC-134263	PC-137033	C	4 ACSR	6.98Y	116.3	0.00	9.70	0.55	0	4	1	97	0.00	0.0	9.060	0.049	0	0	0	1	L
L PC-132859	PC-135349	C	4 ACSR	6.98Y	116.3	0.01	9.70	4.70	3	32	6	98	0.00	0.0	8.816	0.049	0	0	0	2	L
L PC-141940	PC-132859	C	2 ACSR	6.98Y	116.3	0.00	9.70	3.85	2	26	5	98	0.00	0.0	8.849	0.033	0	0	0	1	L
L PC-130832	PC-132859	C	2 ACSR	6.98Y	116.3	0.00	9.70	0.85	0	6	1	99	0.00	0.0	8.880	0.064	0	0	0	1	L
L PC-100091	PC-101145	C	2 ACSR	7.01Y	116.9	0.00	9.12	1.79	1	12	2	99	0.00	0.0	8.562	0.060	0	0	0	2	L
L PC-100092	PC-100091	C	2 ACSR	7.01Y	116.9	0.00	9.12	1.79	1	12	2	99	0.00	0.0	8.599	0.037	0	0	0	2	L
L PC-101146	PC-100092	C	2 ACSR	7.01Y	116.9	0.00	9.12	0.04	0	0	0	100	0.00	0.0	8.643	0.044	0	0	0	1	L
---------- Feeder No. 0 (34-124) Beginning with Device 34-124 ----------																					
---------- Feeder No. 0 (34-134) Beginning with Device 34-134 ----------																					
C PC-130450	PC-128870	ABC	1/0 ACSR	7.20Y	120.0	0.28	5.97	156.50	68	3303	760	97	6.66	0.2	3.595	0.102	0	0	0	502	C
C PC-127794	PC-130450	ABC	1/0 ACSR	7.19Y	119.8	0.21	6.18	156.50	68	3296	754	97	4.92	0.1	3.670	0.075	0	0	0	502	C
C PC-132241	PC-127794	ABC	1/0 ACSR	7.18Y	119.6	0.20	6.37	156.00	68	3281	748	97	4.70	0.1	3.743	0.072	0	0	0	501	C
C PC-129492	PC-132241	ABC	1/0 ACSR	7.16Y	119.4	0.24	6.61	156.00	68	3276	743	98	5.68	0.2	3.830	0.088	0	0	0	501	C
C PC-137595	PC-129492	ABC	1/0 ACSR	7.15Y	119.2	0.21	6.82	156.00	68	3270	738	98	4.97	0.2	3.907	0.077	0	0	0	501	C
C PC-123356	PC-137595	ABC	1/0 ACSR	7.15Y	119.1	0.05	6.87	156.00	68	3265	733	98	1.16	0.0	3.925	0.018	0	0	0	501	C
C PC-132839	PC-123356	ABC	1/0 ACSR	7.12Y	118.7	0.44	7.31	155.52	68	3254	730	98	10.40	0.3	4.086	0.161	0	0	0	499	C
C PC-141381	PC-132839	ABC	1/0 ACSR	7.10Y	118.3	0.41	7.72	155.52	68	3243	720	98	9.70	0.3	4.237	0.151	0	0	0	499	C
C PC-130701	PC-141381	ABC	1/0 ACSR	7.09Y	118.2	0.13	7.85	155.04	67	3224	710	98	3.09	0.1	4.285	0.048	0	0	0	498	C
C PC-129200	PC-130701	ABC	1/0 ACSR	7.08Y	118.0	0.17	8.02	155.04	67	3221	707	98	4.06	0.1	4.349	0.063	0	0	0	498	C
C PC-131593	PC-129200	ABC	1/0 ACSR	7.06Y	117.7	0.27	8.29	155.04	67	3217	703	98	6.38	0.2	4.448	0.100	0	0	0	498	C
C PC-130632	PC-131593	ABC	1/0 ACSR	7.05Y	117.5	0.17	8.46	154.68	67	3203	695	98	4.10	0.1	4.513	0.064	0	0	0	495	C
C PC-131704	PC-130632	ABC	1/0 ACSR	7.04Y	117.3	0.25	8.71	154.68	67	3199	692	98	5.83	0.2	4.604	0.092	0	0	0	495	C
C PC-122904	PC-131704	ABC	1/0 ACSR	7.03Y	117.2	0.08	8.79	154.54	67	3190	686	98	1.89	0.1	4.634	0.030	0	0	0	494	C
L PC-123569	PC-122904	ABC	1/0 ACSR	7.02Y	116.9	0.28	9.06	154.54	67	3188	684	98	6.58	0.2	4.737	0.103	0	0	0	494	L
L PC-137609	PC-123569	C	2 ACSR	7.02Y	116.9	0.00	9.06	2.06	1	14	3	98	0.00	0.0	4.740	0.003	0	0	0	1	L
L PC-137610	PC-137609	C	2 ACSR	7.02Y	116.9	0.00	9.07	2.06	1	14	3	98	0.00	0.0	4.766	0.026	0	0	0	1	L
L PC-164754	PC-137610	C	1/0 URD PR	7.02Y	116.9	0.00	9.07	2.06	1	14	3	98	0.00	0.0	4.798	0.032	0	0	0	1	L
L PC-134405	PC-123569	ABC	1/0 ACSR	7.01Y	116.9	0.04	9.11	153.86	67	3167	675	98	1.01	0.0	4.753	0.016	0	0	0	493	L

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

Balanced Voltage Drop Report
Source: LEES_LICK

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\BASE WINTER SUB ALLOCATION.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L PC-141664	PC-134405	ABC	1/0 ACSR	6.99Y	116.5	0.42	9.52	147.99	64	3045	651	98	9.46	0.3	4.915	0.162	0	0	0	467	L
L PC-138128	PC-141664	ABC	1/0 ACSR	6.97Y	116.2	0.26	9.78	147.05	64	3016	639	98	5.81	0.2	5.016	0.101	0	0	0	463	L
L PC-132788	PC-138128	A	4 ACSR	6.97Y	116.2	0.00	9.78	0.83	1	6	1	99	0.00	0.0	5.100	0.084	0	0	0	3	L
L PC-131263	PC-132788	A	4 ACSR	6.97Y	116.2	0.00	9.79	0.83	1	6	1	99	0.00	0.0	5.133	0.032	0	0	0	3	L
L PC-128213	PC-131263	A	4 ACSR	6.97Y	116.2	0.00	9.79	0.83	1	6	1	99	0.00	0.0	5.186	0.054	0	0	0	3	L
L PC-138133	PC-128213	A	4 ACSR	6.97Y	116.2	0.00	9.79	0.83	1	6	1	99	0.00	0.0	5.244	0.057	0	0	0	3	L
L PC-131886	PC-138133	A	4 ACSR	6.97Y	116.2	0.00	9.79	0.00	0	0	0	100	0.00	0.0	5.315	0.071	0	0	0	1	L
L PC-130631	PC-138133	A	2 ACSR	6.97Y	116.2	0.00	9.79	0.83	0	6	1	99	0.00	0.0	5.293	0.049	0	0	0	2	L
L PC-132057	PC-130631	A	2 ACSR	6.97Y	116.2	0.00	9.79	0.83	0	6	1	99	0.00	0.0	5.363	0.070	0	0	0	2	L
L PC-139810	PC-132057	A	2 ACSR	6.97Y	116.2	0.00	9.79	0.01	0	0	0	100	0.00	0.0	5.407	0.044	0	0	0	1	L
L PC-132617	PC-138128	ABC	1/0 ACSR	6.96Y	116.0	0.21	9.99	146.78	64	3005	632	98	4.70	0.2	5.098	0.082	0	0	0	460	L
L PC-130705	PC-132617	ABC	1/0 ACSR	6.95Y	115.8	0.22	10.21	146.78	64	3000	628	98	4.90	0.2	5.184	0.085	0	0	0	460	L
L PC-130291	PC-130705	ABC	1/0 ACSR	6.94Y	115.6	0.16	10.36	146.78	64	2995	623	98	3.52	0.1	5.245	0.061	0	0	0	460	L
L PC-130157	PC-130291	ABC	1/0 ACSR	6.93Y	115.4	0.20	10.56	146.78	64	2992	620	98	4.57	0.2	5.324	0.080	0	0	0	460	L
L PC-139281	PC-130157	B	4 ACSR	6.93Y	115.4	0.00	10.56	0.69	0	5	1	98	0.00	0.0	5.330	0.006	0	0	0	1	L
L PC-136511	PC-139281	B	4 ACSR	6.93Y	115.4	0.00	10.57	0.69	0	5	1	98	0.00	0.0	5.444	0.114	0	0	0	1	L
L PC-134660	PC-136511	B	4 ACSR	6.93Y	115.4	0.00	10.57	0.69	0	5	1	98	0.00	0.0	5.482	0.038	0	0	0	1	L
L PC-132044	PC-130157	ABC	1/0 ACSR	6.92Y	115.3	0.17	10.73	146.55	64	2982	615	98	3.83	0.1	5.391	0.067	0	0	0	459	L
L PC-132364	PC-132044	ABC	1/0 ACSR	6.90Y	115.1	0.20	10.94	146.55	64	2978	611	98	4.59	0.2	5.471	0.080	0	0	0	459	L
L PC-138155	PC-132364	ABC	1/0 ACSR	6.90Y	114.9	0.14	11.08	126.74	55	2571	529	98	2.76	0.1	5.536	0.065	0	0	0	404	L
L PC-131675	PC-138155	ABC	1/0 ACSR	6.89Y	114.8	0.10	11.18	126.29	55	2559	524	98	1.92	0.1	5.581	0.045	0	0	0	403	L
L PC-138153	PC-131675	B	2 ACSR	6.89Y	114.8	0.00	11.18	0.90	0	6	1	99	0.00	0.0	5.587	0.006	0	0	0	1	L
L PC-132690	PC-138153	B	2 ACSR	6.89Y	114.8	0.00	11.18	0.90	0	6	1	99	0.00	0.0	5.661	0.075	0	0	0	1	L
L PC-131674	PC-131675	C	2 ACSR	6.89Y	114.8	0.00	11.18	1.95	1	13	2	99	0.00	0.0	5.587	0.006	0	0	0	2	L
L PC-141294	PC-131674	C	2 ACSR	6.89Y	114.8	0.00	11.18	1.46	1	10	2	98	0.00	0.0	5.593	0.006	0	0	0	1	L
L PC-131669	PC-141294	C	2 ACSR	6.89Y	114.8	0.00	11.18	1.46	1	10	2	98	0.00	0.0	5.655	0.061	0	0	0	1	L
L PC-132161	PC-131674	C	2 ACSR	6.89Y	114.8	0.00	11.18	0.49	0	3	1	95	0.00	0.0	5.595	0.008	0	0	0	1	L
L PC-132853	PC-132161	C	2 ACSR	6.89Y	114.8	0.00	11.18	0.49	0	3	1	95	0.00	0.0	5.665	0.070	0	0	0	1	L
L PC-131673	PC-131675	ABC	1/0 ACSR	6.88Y	114.6	0.23	11.41	125.35	54	2538	519	98	4.53	0.2	5.690	0.108	0	0	0	400	L
L PC-132851	PC-131673	ABC	1/0 ACSR	6.87Y	114.5	0.07	11.48	125.35	54	2534	515	98	1.36	0.1	5.722	0.032	0	0	0	400	L
L PC-141295	PC-132851	A	8 ACWC	6.87Y	114.5	0.00	11.48	0.00	0	0	0	100	0.00	0.0	5.728	0.006	0	0	0	0	L
L PC-130907	PC-141295	A	8 ACWC	6.87Y	114.5	0.00	11.48	0.00	0	0	0	100	0.00	0.0	5.857	0.129	0	0	0	0	L
L PC-131670	PC-132851	ABC	1/0 ACSR	6.86Y	114.4	0.11	11.59	125.35	54	2532	514	98	2.14	0.1	5.773	0.051	0	0	0	400	L
L PC-132157	PC-131670	ABC	1/0 ACSR	6.86Y	114.3	0.11	11.70	125.35	54	2530	511	98	2.11	0.1	5.823	0.050	0	0	0	400	L
L PC-132849	PC-132157	ABC	1/0 ACSR	6.85Y	114.2	0.12	11.82	125.35	54	2528	510	98	2.36	0.1	5.880	0.056	0	0	0	400	L
L PC-131544	PC-132849	ABC	1/0 ACSR	6.84Y	114.0	0.17	11.99	124.80	54	2515	505	98	3.23	0.1	5.958	0.078	0	0	0	399	L
L PC-130704	PC-131544	ABC	1/0 ACSR	6.83Y	113.9	0.13	12.12	124.80	54	2511	502	98	2.56	0.1	6.019	0.062	0	0	0	399	L
L PC-137723	PC-130704	C	4 ACSR	6.83Y	113.9	0.00	12.12	1.61	1	11	2	98	0.00	0.0	6.025	0.006	0	0	0	1	L
L PC-130675	PC-137723	C	4 ACSR	6.83Y	113.9	0.00	12.13	1.61	1	11	2	98	0.00	0.0	6.092	0.067	0	0	0	1	L
L PC-137722	PC-130704	ABC	1/0 ACSR	6.83Y	113.8	0.07	12.20	124.26	54	2498	498	98	1.43	0.1	6.054	0.035	0	0	0	398	L
L PC-137720	PC-137722	ABC	1/0 ACSR	6.82Y	113.7	0.12	12.32	119.39	52	2399	478	98	2.26	0.1	6.114	0.059	0	0	0	380	L
L PC-141572	PC-137720	B	2 ACSR	6.82Y	113.7	0.00	12.32	2.23	1	15	3	98	0.00	0.0	6.164	0.050	0	0	0	2	L
L PC-131221	PC-141572	B	2 ACSR	6.82Y	113.7	0.00	12.33	1.11	1	7	1	99	0.00	0.0	6.231	0.067	0	0	0	1	L
L PC-141589	PC-131221	B	2 ACSR	6.82Y	113.7	0.00	12.33	1.11	1	7	1	99	0.00	0.0	6.300	0.069	0	0	0	1	L
L PC-127255	PC-137720	ABC	1/0 ACSR	6.81Y	113.5	0.16	12.48	118.43	51	2377	472	98	2.91	0.1	6.191	0.078	0	0	0	377	L
L PC-132997	PC-127255	C	4 ACSR	6.81Y	113.5	0.00	12.48	0.00	0	0	0	100	0.00	0.0	6.197	0.006	0	0	0	0	L
L PC-132105	PC-132997	C	4 ACSR	6.81Y	113.5	0.00	12.48	0.00	0	0	0	100	0.00	0.0	6.222	0.025	0	0	0	0	L
L PC-132996	PC-127255	B	2 ACSR	6.81Y	113.5	0.00	12.48	3.03	2	20	4	98	0.00	0.0	6.197	0.006	0	0	0	1	L
L PC-132627	PC-132996	B	2 ACSR	6.81Y	113.5	0.00	12.48	3.03	2	20	4	98	0.00	0.0	6.205	0.008	0	0	0	1	L
L PC-134138	PC-132627	B	2 ACSR	6.81Y	113.5	0.00	12.49	3.03	2	20	4	98	0.00	0.0	6.258	0.052	0	0	0	1	L
L PC-132521	PC-134138	B	2 ACSR	6.81Y	113.5	0.00	12.49	3.03	2	20	4	98	0.00	0.0	6.308	0.050	0	0	0	1	L
L PC-131365	PC-132521	B	2 ACSR	6.81Y	113.5	0.00	12.49	3.03	2	20	4	98	0.00	0.0	6.335	0.028	0	0	0	1	L
L PC-132628	PC-127255	ABC	1/0 ACSR	6.81Y	113.5	0.01	12.49	117.01	51	2345	464	98	0.20	0.0	6.197	0.005	0	0	0	375	L
L PC-132104	PC-132628	ABC	1/0 ACSR	6.81Y	113.5	0.03	12.52	117.01	51	2345	464	98	0.54	0.0	6.212	0.015	0	0	0	375	L
L PC-128945	PC-132104	ABC	1/0 ACSR	6.81Y	113.5	0.01	12.53	117.01	51	2345	464	98	0.12	0.0	6.215	0.003	0	0	0	375	L
C R81	PC-128945	ABC	100	7.56Y	126.0	-12.53	0.00	117.01	117	2345	464	98	percent Boost= 9.94 Tap=15.9							375	C
L PC-130749	PC-127255	A	2 ACSR	6.81Y	113.5	0.00	12.48	1.23	1	8	2	97	0.00	0.0	6.197	0.005	0	0	0	1	L
L PC-127618	PC-130749	A	2 ACSR	6.81Y	113.5	0.00	12.48	1.23	1	8	2	97	0.00	0.0	6.243	0.046	0	0	0	1	L
L PC-131621	PC-137722	C	8 ACWC	6.82Y	113.7	0.12	12.32	14.60	15	98	18	98	0.10	0.1	6.182	0.128	0	0	0	18	L
L PC-129066	PC-131621	C	8 ACWC	6.82Y	113.6	0.09	12.41	14.60	15	98	18	98	0.07	0.1	6.271	0.088	0	0	0	18	L
L PC-134357	PC-129066	C	4 ACSR	6.82Y	113.6	0.00	12.41	1.16	1	8	1	99	0.00	0.0	6.350	0.079	0	0	0	1	L
L PC-128326	PC-129066	C	8 ACWC	6.81Y	113.5	0.05	12.46	13.44	13	90	17	98	0.04	0.0	6.328	0.057	0	0	0	17	L
L PC-133222	PC-128326	C	8 ACWC	6.81Y	113.4	0.10	12.56	13.44	13	90	17	98	0.08	0.1	6.440	0.112	0	0	0	17	L
L PC-134573	PC-133222	C	4 ACSR	6.81Y	113.4	0.00	12.56	1.10	1	7	1	99	0.00	0.0	6.472	0.031	0	0	0	1	L
L PC-134372	PC-133222	C	4 ACSR	6.81Y	113.4	0.00	12.56	1.17	1	8	1	99	0.00	0.0	6.504	0.064	0	0	0	1	L
L PC-131343	PC-133222	C	8 ACWC	6.80Y	113.4	0.07	12.63	10.80	11	72	13	98	0.05	0.1	6.545	0.105	0	0	0	12	L
L PC-131826	PC-131343	C	2 ACSR	6.80Y	113.4	0.00	12.63	1.26	1	8	2	97	0.00	0.0	6.570	0.025	0	0	0	1	L
L PC-127374	PC-131343	C	8 ACWC	6.80Y	113.3	0.06	12.69	9.54	10	64	12	98	0.03	0.0	6.638	0.093	0	0	0	11	L
L PC-128115	PC-127374	C	8 ACWC	6.80Y	113.3	0.04	12.72	8.78	9	59	11	98	0.02	0.0	6.699	0.062	0	0	0	10	L
L PC-141663	PC-128115	C	8 ACWC	6.80Y	113.3	0.02	12.74	7.72	8	52	10	98	0.01	0.0	6.736	0.036	0	0	0	9	L
L PC-137661	PC-141663	C	8 ACWC	6.79Y	113.2	0.03	12.77	4.36	4	29	5	99	0.01	0.0	6.824	0.088	0	0	0	6	L
L PC-137663	PC-137661	C	4 ACSR	6.79Y	113.2	0.00	12.77	0.94	1	6	1	99	0.00	0.0	6.863	0.040	0	0	0	1	L
L PC-131937	PC-137663	C	4 ACSR	6.79Y	113.2	0.00	12.77	0.94	1	6	1	99	0.00	0.0	6.884	0.021	0	0	0	1	L
L PC-132144	PC-137661	C	4 ACSR	6.79Y	113.2	0.00	12.77	0.00	0	0	0	100	0.00	0.0	6.850	0.027	0	0	0	0	L
L PC-167284	PC-132144	C	1/0 URD PR	6.79Y	113.2	0.00	12.77	0.00	0	0	0	100	0.00	0.0	6.856	0.006	0	0	0	0	L
L PC-158719	PC-167284	C	1/0 URD PR	6.79Y	113.2	0.00	12.77	0.00	0	0	0	100	0.00	0.0	6.926	0.069	0	0	0	0	L
L PC-131061	PC-137661	C	8 ACWC	6.79Y	113.2	0.02	12.79	3.42	3	23	4	99	0.00	0.0	6.904	0.080	0	0	0	5	L
L PC-141332	PC-131061	C	8 ACWC	6.79Y	113.2	0.02	12.80	3.42	3	23	4	99	0.00	0.0	6.973	0.069	0	0	0	5	L
L PC-141333	PC-141332	C	4 ACSR	6.79Y	113.2	0.00	12.80	1.38	1	9	2	98	0.00	0.0	7.023	0.050	0	0	0	1	L
L PC-128985	PC-141332	C	8 ACWC	6.79Y	113.2	0.01	12.82	2.04	2	14	3	98	0.00	0.0	7.080	0.107	0	0	0	4	L

Balanced Voltage Drop Report
Source: LEES_LICK

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\BASE WINTER SUB ALLOCATION.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L PC-131778	PC-128985	C	8 ACWC	6.79Y	113.2	0.00	12.82	0.83	1	6	1	99	0.00	0.0	7.140	0.061	0	0	0	1	L
L PC-129222	PC-131778	C	2 ACSR	6.79Y	113.2	0.00	12.82	0.83	0	6	1	99	0.00	0.0	7.211	0.071	0	0	0	1	L
L PC-141093	PC-129222	C	2 ACSR	6.79Y	113.2	0.00	12.82	0.83	0	6	1	99	0.00	0.0	7.279	0.068	0	0	0	1	L
L PC-132876	PC-141093	C	2 ACSR	6.79Y	113.2	0.00	12.82	0.83	0	6	1	99	0.00	0.0	7.311	0.032	0	0	0	1	L
L PC-131651	PC-128985	C	6 ACWC	6.79Y	113.2	0.01	12.82	1.11	1	7	1	99	0.00	0.0	7.209	0.129	0	0	0	2	L
L PC-130251	PC-141663	C	4 ACSR	6.80Y	113.3	0.00	12.75	1.63	1	11	2	98	0.00	0.0	6.785	0.050	0	0	0	1	L
L PC-130652	PC-132364	ABC	1/0 ACSR	6.90Y	115.1	0.01	10.95	19.80	9	403	78	98	0.03	0.0	5.496	0.025	0	0	0	55	L
L PC-130807	PC-130652	C	4 ACSR	6.90Y	115.0	0.01	10.96	59.41	42	403	78	98	0.05	0.0	5.502	0.005	0	0	0	55	L
L D3910	PC-130807	C	REC_99_UNK	6.90Y	115.0	0.00	10.96	59.41	0	403	78	98	0.00	0.0	5.502	0.005	0	0	0	55	L
L PC-132014	D3910	C	4 ACSR	6.89Y	114.9	0.18	11.14	59.41	42	403	78	98	0.58	0.1	5.569	0.067	0	0	0	55	L
L PC-129821	PC-132014	C	4 ACSR	6.88Y	114.7	0.19	11.33	59.41	42	402	78	98	0.62	0.2	5.639	0.071	0	0	0	55	L
L PC-132625	PC-129821	C	4 ACSR	6.87Y	114.5	0.19	11.52	58.64	42	396	77	98	0.61	0.2	5.711	0.072	0	0	0	53	L
L PC-136550	PC-132625	C	4 ACSR	6.86Y	114.3	0.21	11.73	58.11	42	392	76	98	0.68	0.2	5.793	0.082	0	0	0	51	L
L PC-133308	PC-136550	C	4 ACSR	6.85Y	114.1	0.15	11.88	55.34	40	373	72	98	0.44	0.1	5.851	0.058	0	0	0	49	L
L PC-140573	PC-133308	C	4 ACSR	6.84Y	114.0	0.12	11.99	53.28	38	358	69	98	0.34	0.1	5.899	0.048	0	0	0	45	L
L PC-141528	PC-140573	C	4 ACSR	6.83Y	113.9	0.14	12.13	52.05	37	350	67	98	0.40	0.1	5.957	0.059	0	0	0	44	L
L PC-141526	PC-141528	C	8 ACWC	6.83Y	113.9	0.00	12.13	0.00	0	0	0	100	0.00	0.0	6.034	0.077	0	0	0	0	L
L PC-128756	PC-141526	C	8 ACWC	6.83Y	113.9	0.00	12.13	0.00	0	0	0	100	0.00	0.0	6.106	0.071	0	0	0	0	L
L PC-124801	PC-128756	C	8 ACWC	6.83Y	113.9	0.00	12.13	0.00	0	0	0	100	0.00	0.0	6.177	0.072	0	0	0	0	L
L PC-141522	PC-141528	C	4 ACSR	6.83Y	113.9	0.00	12.14	1.67	1	11	2	98	0.00	0.0	6.004	0.047	0	0	0	1	L
L PC-132981	PC-141528	C	4 ACSR	6.83Y	113.9	0.00	12.13	0.00	0	0	0	100	0.00	0.0	6.012	0.054	0	0	0	0	L
L PC-132495	PC-141528	C	4 ACSR	6.82Y	113.7	0.15	12.29	50.38	36	338	65	98	0.43	0.1	6.025	0.068	0	0	0	43	L
L PC-137309	PC-132495	C	4 ACSR	6.81Y	113.5	0.18	12.47	48.66	35	326	62	98	0.49	0.1	6.108	0.083	0	0	0	41	L
L PC-105483	PC-137309	C	2 ACSR	6.81Y	113.5	0.00	12.47	1.12	1	8	1	99	0.00	0.0	6.139	0.031	0	0	0	1	L
L PC-138087	PC-137309	C	4 ACSR	6.81Y	113.5	0.00	12.47	1.36	1	9	2	98	0.00	0.0	6.189	0.081	0	0	0	1	L
L PC-132409	PC-137309	C	4 ACSR	6.80Y	113.3	0.22	12.69	46.17	33	309	59	98	0.55	0.2	6.212	0.104	0	0	0	39	L
L PC-129710	PC-132409	C	4 ACSR	6.79Y	113.1	0.20	12.88	42.92	31	287	55	98	0.47	0.2	6.315	0.103	0	0	0	37	L
L PC-132153	PC-129710	C	4 ACSR	6.79Y	113.1	0.00	12.88	0.00	0	0	0	100	0.00	0.0	6.454	0.139	0	0	0	0	L
L PC-130929	PC-129710	C	4 ACSR	6.78Y	113.0	0.09	12.98	39.97	29	267	51	98	0.20	0.1	6.366	0.051	0	0	0	35	L
L PC-131582	PC-130929	C	2 ACSR	6.78Y	113.0	0.00	12.98	0.00	0	0	0	100	0.00	0.0	6.440	0.075	0	0	0	0	L
L PC-130518	PC-130929	C	4 ACSR	6.78Y	112.9	0.10	13.07	39.97	29	266	51	98	0.21	0.1	6.419	0.053	0	0	0	35	L
L PC-128430	PC-130518	C	4 ACSR	6.77Y	112.8	0.14	13.21	39.97	29	266	50	98	0.31	0.1	6.497	0.078	0	0	0	35	L
L PC-132234	PC-128430	C	2 ACSR	6.77Y	112.8	0.00	13.21	0.92	1	6	1	99	0.00	0.0	6.552	0.055	0	0	0	1	L
L PC-130138	PC-128430	C	4 ACSR	6.76Y	112.7	0.12	13.33	39.05	28	260	49	98	0.25	0.1	6.563	0.066	0	0	0	34	L
L PC-129709	PC-130138	C	4 ACSR	6.75Y	112.6	0.11	13.44	39.05	28	259	49	98	0.25	0.1	6.628	0.065	0	0	0	34	L
L PC-129233	PC-129709	C	4 ACSR	6.75Y	112.4	0.11	13.55	36.83	26	244	46	98	0.22	0.1	6.692	0.064	0	0	0	33	L
L PC-160223	PC-129233	C	4 ACSR	6.74Y	112.4	0.06	13.61	36.83	26	244	46	98	0.13	0.1	6.730	0.038	0	0	0	33	L
L PC-174447	PC-160223	C	4 ACSR	6.74Y	112.3	0.04	13.66	35.15	25	233	44	98	0.08	0.0	6.757	0.027	0	0	0	32	L
L PC-177390	PC-174447	C	4 ACSR	6.73Y	112.2	0.13	13.79	33.17	24	220	41	98	0.24	0.1	6.846	0.088	0	0	0	31	L
L PC-133456	PC-177390	C	4 ACSR	6.73Y	112.2	0.05	13.84	29.65	21	196	37	98	0.08	0.0	6.882	0.036	0	0	0	28	L
L PC-130231	PC-133456	C	4 ACSR	6.73Y	112.1	0.05	13.89	29.65	21	196	37	98	0.09	0.0	6.922	0.040	0	0	0	28	L
L PC-133959	PC-130231	C	4 ACSR	6.73Y	112.1	0.01	13.91	5.62	4	37	7	98	0.00	0.0	6.980	0.058	0	0	0	5	L
L PC-133646	PC-133959	C	4 ACSR	6.72Y	112.1	0.01	13.92	3.72	3	25	5	98	0.00	0.0	7.068	0.088	0	0	0	4	L
L PC-133647	PC-133646	C	4 ACSR	6.72Y	112.1	0.01	13.93	3.18	2	21	4	98	0.00	0.0	7.110	0.042	0	0	0	3	L
L PC-133811	PC-133647	C	4 ACSR	6.72Y	112.1	0.01	13.94	3.18	2	21	4	98	0.00	0.0	7.183	0.073	0	0	0	3	L
L PC-130529	PC-133811	C	4 ACSR	6.72Y	112.1	0.01	13.95	3.18	2	21	4	98	0.00	0.0	7.258	0.075	0	0	0	3	L
L PC-168694	PC-130529	C	4 ACSR	6.72Y	112.0	0.01	13.96	3.18	2	21	4	98	0.00	0.0	7.325	0.068	0	0	0	3	L
L PC-127523	PC-168694	C	4 ACSR	6.72Y	112.0	0.01	13.97	1.89	1	13	2	99	0.00	0.0	7.433	0.107	0	0	0	2	L
L PC-168695	PC-127523	C	4 ACSR	6.72Y	112.0	0.01	13.97	1.86	1	12	2	99	0.00	0.0	7.505	0.072	0	0	0	1	L
L PC-160756	PC-127523	C	2 ACSR	6.72Y	112.0	0.00	13.97	0.03	0	0	0	100	0.00	0.0	7.471	0.039	0	0	0	1	L
L PC-130528	PC-133811	C	2 ACSR	6.72Y	112.1	0.00	13.94	0.00	0	0	0	100	0.00	0.0	7.223	0.041	0	0	0	0	L
L PC-133657	PC-130528	C	2 ACSR	6.72Y	112.1	0.00	13.94	0.00	0	0	0	100	0.00	0.0	7.282	0.058	0	0	0	0	L
L PC-126171	PC-130231	C	6 ACWC	6.72Y	112.0	0.08	13.97	23.03	16	152	29	98	0.10	0.1	6.996	0.074	0	0	0	22	L
L PC-129873	PC-126171	C	2 ACSR	6.72Y	112.0	0.00	13.97	1.50	1	10	2	98	0.00	0.0	7.066	0.070	0	0	0	1	L
L PC-130404	PC-126171	C	6 ACWC	6.71Y	111.9	0.13	14.10	20.86	15	138	26	98	0.15	0.1	7.140	0.144	0	0	0	20	L
L PC-129675	PC-130404	C	6 ACWC	6.71Y	111.8	0.11	14.21	19.20	14	127	24	98	0.12	0.1	7.268	0.128	0	0	0	19	L
L PC-130506	PC-129675	C	4 ACSR	6.71Y	111.8	0.02	14.23	16.10	11	106	20	98	0.02	0.0	7.302	0.034	0	0	0	14	L
L PC-131332	PC-130506	C	4 ACSR	6.70Y	111.7	0.04	14.28	15.52	11	102	19	98	0.04	0.0	7.366	0.064	0	0	0	13	L
L PC-130044	PC-131332	C	4 ACSR	6.70Y	111.7	0.06	14.34	15.52	11	102	19	98	0.05	0.1	7.453	0.087	0	0	0	13	L
L PC-131761	PC-130044	C	4 ACSR	6.70Y	111.6	0.04	14.38	15.52	11	102	19	98	0.03	0.0	7.503	0.050	0	0	0	13	L
L PC-130799	PC-131761	C	4 ACSR	6.70Y	111.6	0.04	14.41	15.52	11	102	19	98	0.03	0.0	7.557	0.054	0	0	0	13	L
L PC-139633	PC-130799	C	4 ACSR	6.70Y	111.6	0.00	14.42	0.82	1	5	1	98	0.00	0.0	7.639	0.082	0	0	0	1	L
L PC-131715	PC-130799	C	4 ACSR	6.69Y	111.5	0.06	14.47	12.11	9	80	15	98	0.04	0.1	7.669	0.112	0	0	0	10	L
L PC-138733	PC-131715	C	4 ACSR	6.69Y	111.5	0.02	14.49	10.34	7	68	13	98	0.01	0.0	7.714	0.045	0	0	0	9	L
L PC-138731	PC-138733	C	4 ACSR	6.69Y	111.5	0.02	14.51	10.34	7	68	13	98	0.01	0.0	7.757	0.043	0	0	0	9	L
L PC-131719	PC-138731	C	4 ACSR	6.69Y	111.5	0.03	14.55	8.76	6	58	11	98	0.02	0.0	7.839	0.082	0	0	0	7	L
L PC-130371	PC-131719	C	4 ACSR	6.69Y	111.4	0.00	14.55	2.44	2	16	3	98	0.00	0.0	7.880	0.041	0	0	0	2	L
L PC-133738	PC-130371	C	4 ACSR	6.69Y	111.4	0.00	14.55	1.38	1	9	2	98	0.00	0.0	7.912	0.033	0	0	0	1	L
L PC-130510	PC-131719	C	4 ACSR	6.69Y	111.4	0.00	14.55	2.21	2	15	3	98	0.00	0.0	7.873	0.034	0	0	0	2	L
L PC-127188	PC-130510	C	4 ACSR	6.69Y	111.4	0.00	14.55	2.21	2	15	3	98	0.00	0.0	7.912	0.039	0	0	0	2	L
L PC-128809	PC-127188	C	4 ACSR	6.69Y	111.4	0.00	14.56	1.45	1	10	2	98	0.00	0.0	7.956	0.044	0	0	0	1	L
L PC-124483	PC-128809	C	4 ACSR	6.69Y	111.4	0.01	14.56	1.45	1	10	2	98	0.00	0.0	8.032	0.077	0	0	0	1	L
L PC-130924	PC-131719	C	4 ACSR	6.69Y	111.5	0.00	14.55	0.00	0	0	0	100	0.00	0.0	7.916	0.077	0	0	0	0	L
L PC-128854	PC-131719	C	4 ACSR	6.69Y	111.4	0.02	14.57	4.10	3	27	5	98	0.00	0.0	7.937	0.098	0	0	0	3	L
L PC-162365	PC-128854	C	4 ACSR	6.69Y	111.4	0.01	14.58	2.75	2	18	3	99	0.00	0.0	8.045	0.108	0	0	0	2	L
L PC-162711	PC-162365	C	4 ACSR	6.69Y	111.4	0.00	14.58	1.92	1	13	2	99	0.00	0.0	8.089	0.045	0	0	0	1	L
L PC-130663	PC-162365	C	2 ACSR	6.69Y	111.4	0.00	14.58	0.83	0	5	1	98	0.00	0.0	8.075	0.030	0	0	0	1	L
L PC-130920	PC-138731	C	4 ACSR	6.69Y	111.5	0.00	14.52	1.58	1	10	2	98	0.00	0.0	7.799	0.042	0	0	0	2	L
L PC-130580	PC-130920	C	4 ACSR	6.69Y	111.5	0.00	14.52	1.38	1	9	2	98	0.00	0.0	7.826	0.027	0	0	0	1	L
L PC-137336	PC-130580	C	4 ACSR	6.69Y	111.5	0.00	14.52	1.38	1	9	2	98	0.00	0.0	7.846	0.021	0	0	0	1	L

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

Balanced Voltage Drop Report
Source: LEES_LICK

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\BASE WINTER SUB ALLOCATION.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L PC-130276	PC-137336	C	4 ACSR	6.69Y	111.5	0.00	14.52	1.38	1	9	2	98	0.00	0.0	7.905	0.059	0	0	0	1	L
L PC-135968	PC-131715	C	2 ACSR	6.69Y	111.5	0.00	14.48	1.77	1	12	2	99	0.00	0.0	7.705	0.036	0	0	0	1	L
L PC-128913	PC-135968	C	2 ACSR	6.69Y	111.5	0.00	14.48	0.00	0	0	0	100	0.00	0.0	7.732	0.027	0	0	0	0	L
L PC-128823	PC-130799	C	4 ACSR	6.70Y	111.6	0.00	14.42	1.22	1	8	1	99	0.00	0.0	7.607	0.050	0	0	0	1	L
L PC-128912	PC-130799	C	2 ACSR	6.70Y	111.6	0.00	14.42	1.36	1	9	2	98	0.00	0.0	7.613	0.056	0	0	0	1	L
L PC-129285	PC-129675	C	2 ACSR	6.71Y	111.8	0.00	14.21	2.84	2	19	3	99	0.00	0.0	7.314	0.046	0	0	0	2	L
L PC-130586	PC-129285	C	2 ACSR	6.71Y	111.8	0.01	14.22	1.78	1	12	2	99	0.00	0.0	7.410	0.096	0	0	0	1	L
L PC-128752	PC-129285	C	4 ACSR	6.71Y	111.8	0.00	14.22	1.06	1	7	1	99	0.00	0.0	7.400	0.086	0	0	0	1	L
L PC-129557	PC-128752	C	4 ACSR	6.71Y	111.8	0.01	14.22	1.06	1	7	1	99	0.00	0.0	7.524	0.124	0	0	0	1	L
L PC-131020	PC-177390	C	4 ACSR	6.73Y	112.2	0.00	13.79	2.06	1	14	3	98	0.00	0.0	6.886	0.040	0	0	0	2	L
L PC-130038	PC-131020	C	4 ACSR	6.73Y	112.2	0.00	13.79	2.06	1	14	3	98	0.00	0.0	6.914	0.028	0	0	0	2	L
L PC-137821	PC-130038	C	4 ACSR	6.73Y	112.2	0.00	13.80	0.95	1	6	1	99	0.00	0.0	6.940	0.026	0	0	0	1	L
L PC-130384	PC-137821	C	4 ACSR	6.73Y	112.2	0.00	13.80	0.95	1	6	1	99	0.00	0.0	6.990	0.050	0	0	0	1	L
L PC-127220	PC-130384	C	4 ACSR	6.73Y	112.2	0.00	13.80	0.95	1	6	1	99	0.00	0.0	7.019	0.029	0	0	0	1	L
L PC-133991	PC-127220	C	4 ACSR	6.73Y	112.2	0.00	13.80	0.95	1	6	1	99	0.00	0.0	7.050	0.031	0	0	0	1	L
L PC-130776	PC-174447	C	2 ACSR	6.74Y	112.3	0.00	13.66	1.98	1	13	2	99	0.00	0.0	6.828	0.071	0	0	0	1	L
L PC-162668	PC-160223	C	2 ACSR	6.74Y	112.4	0.00	13.62	1.68	1	11	2	98	0.00	0.0	6.789	0.059	0	0	0	1	L
L PC-160626	PC-162668	C	2 ACSR	6.74Y	112.4	0.00	13.62	0.00	0	0	0	100	0.00	0.0	6.829	0.040	0	0	0	0	L
L PC-130137	PC-128430	C	4 ACSR	6.77Y	112.8	0.00	13.21	0.00	0	0	0	100	0.00	0.0	6.543	0.046	0	0	0	0	L
L PC-130928	PC-129710	C	2 ACSR	6.79Y	113.1	0.00	12.89	2.95	2	20	4	98	0.00	0.0	6.339	0.024	0	0	0	2	L
L PC-133971	PC-130928	C	2 ACSR	6.79Y	113.1	0.00	12.89	2.95	2	20	4	98	0.00	0.0	6.385	0.045	0	0	0	2	L
L PC-131497	PC-133971	C	2 ACSR	6.79Y	113.1	0.01	12.90	2.95	2	20	4	98	0.00	0.0	6.457	0.072	0	0	0	2	L
L PC-154475	PC-131497	C	1/0 URD PR	6.79Y	113.1	0.00	12.90	1.51	1	10	2	98	0.00	0.0	6.463	0.006	0	0	0	1	L
L PC-154474	PC-154475	C	1/0 URD PR	6.79Y	113.1	0.00	12.90	1.51	1	10	2	98	0.00	0.0	6.510	0.047	0	0	0	1	L
L PC-131769	PC-131497	C	2 ACSR	6.79Y	113.1	0.00	12.90	1.44	1	10	2	98	0.00	0.0	6.495	0.038	0	0	0	1	L
L PC-158819	PC-131769	C	1/0 URD PR	6.79Y	113.1	0.00	12.90	1.44	1	10	2	98	0.00	0.0	6.500	0.006	0	0	0	1	L
L PC-158859	PC-158819	C	1/0 URD PR	6.79Y	113.1	0.00	12.90	1.44	1	10	2	98	0.00	0.0	6.522	0.022	0	0	0	1	L
L PC-129127	PC-132409	C	4 ACSR	6.80Y	113.3	0.00	12.69	2.20	2	15	3	98	0.00	0.0	6.258	0.046	0	0	0	1	L
L PC-127186	PC-132409	C	4 ACSR	6.80Y	113.3	0.00	12.69	1.05	1	7	1	99	0.00	0.0	6.306	0.094	0	0	0	1	L
L PC-128666	PC-127186	C	4 ACSR	6.80Y	113.3	0.00	12.69	1.05	1	7	1	99	0.00	0.0	6.351	0.045	0	0	0	1	L
L PC-128665	PC-127186	C	4 ACSR	6.80Y	113.3	0.00	12.69	0.00	0	0	0	100	0.00	0.0	6.345	0.038	0	0	0	0	L
L PC-130431	PC-132495	C	4 ACSR	6.82Y	113.7	0.00	12.29	1.72	1	12	2	99	0.00	0.0	6.076	0.051	0	0	0	2	L
L PC-129474	PC-130431	C	4 ACSR	6.82Y	113.7	0.01	12.30	1.72	1	12	2	99	0.00	0.0	6.152	0.076	0	0	0	2	L
L PC-137358	PC-129474	C	4 ACSR	6.82Y	113.7	0.01	12.30	1.63	1	11	2	98	0.00	0.0	6.221	0.069	0	0	0	1	L
L PC-140572	PC-133308	C	2 ACSR	6.85Y	114.1	0.00	11.88	0.37	0	3	0	100	0.00	0.0	5.886	0.035	0	0	0	1	L
L PC-132096	PC-140572	C	2 ACSR	6.85Y	114.1	0.00	11.88	0.37	0	3	0	100	0.00	0.0	5.932	0.046	0	0	0	1	L
L PC-141527	PC-132096	C	2 ACSR	6.85Y	114.1	0.00	11.88	0.37	0	3	0	100	0.00	0.0	5.960	0.028	0	0	0	1	L
L PC-131478	PC-133308	C	4 ACSR	6.85Y	114.1	0.00	11.88	0.95	1	6	1	99	0.00	0.0	5.938	0.088	0	0	0	1	L
L PC-129467	PC-131478	C	4 ACSR	6.85Y	114.1	0.00	11.88	0.95	1	6	1	99	0.00	0.0	5.975	0.036	0	0	0	1	L
L PC-134040	PC-129467	C	4 ACSR	6.85Y	114.1	0.00	11.89	0.95	1	6	1	99	0.00	0.0	6.030	0.055	0	0	0	1	L
L PC-129087	PC-132625	C	2 ACSR	6.87Y	114.5	0.00	11.52	0.53	0	4	1	97	0.00	0.0	5.736	0.025	0	0	0	2	L
L PC-128681	PC-141664	C	4 ACSR	6.99Y	116.5	0.01	9.53	2.76	2	19	4	98	0.00	0.0	4.980	0.065	0	0	0	3	L
L PC-129217	PC-128681	C	4 ACSR	6.99Y	116.5	0.01	9.54	2.45	2	17	3	98	0.00	0.0	5.027	0.047	0	0	0	2	L
L PC-156710	PC-129217	C	1/0 URD PR	6.99Y	116.5	0.00	9.54	0.77	0	5	1	98	0.00	0.0	5.109	0.082	0	0	0	1	L
L PC-155752	PC-156710	C	1/0 URD PR	6.99Y	116.5	0.00	9.54	0.77	0	5	1	98	0.00	0.0	5.157	0.049	0	0	0	1	L
L PC-155901	PC-129217	C	1/0 URD PR	6.99Y	116.5	0.00	9.54	1.68	1	12	2	99	0.00	0.0	5.028	0.001	0	0	0	1	L
L PC-156346	PC-155901	C	1/0 URD PR	6.99Y	116.5	0.00	9.54	1.68	1	12	2	99	0.00	0.0	5.066	0.038	0	0	0	1	L
L PC-134402	PC-134405	B	4 ACSR	7.01Y	116.8	0.04	9.15	17.60	13	121	23	98	0.04	0.0	4.808	0.054	0	0	0	25	L
L PC-128603	PC-134402	B	4 ACSR	7.01Y	116.8	0.00	9.16	17.60	13	121	23	98	0.00	0.0	4.813	0.006	0	0	0	25	L
L D3953	PC-128603	B	REC_99_UNK	7.01Y	116.8	0.00	9.16	17.60	0	121	23	98	0.00	0.0	4.813	0.006	0	0	0	25	L
L PC-127935	D3953	B	4 ACSR	7.01Y	116.8	0.03	9.19	17.60	13	121	23	98	0.03	0.0	4.855	0.042	0	0	0	25	L
L PC-129635	PC-127935	B	4 ACSR	7.00Y	116.7	0.10	9.29	17.60	13	121	23	98	0.09	0.1	4.978	0.123	0	0	0	25	L
L PC-130101	PC-129635	B	4 ACSR	7.00Y	116.6	0.07	9.36	17.60	13	121	23	98	0.07	0.1	5.069	0.091	0	0	0	25	L
L PC-141053	PC-130101	B	4 ACSR	6.99Y	116.6	0.07	9.43	14.94	11	103	19	98	0.06	0.1	5.179	0.110	0	0	0	22	L
L PC-130959	PC-141053	B	4 ACSR	6.99Y	116.5	0.05	9.49	14.94	11	103	19	98	0.04	0.0	5.259	0.081	0	0	0	22	L
L PC-134238	PC-130959	B	4 ACSR	6.99Y	116.5	0.04	9.53	14.94	11	103	19	98	0.04	0.0	5.325	0.066	0	0	0	22	L
L PC-134361	PC-134238	B	4 ACSR	6.98Y	116.4	0.09	9.62	14.94	11	103	19	98	0.07	0.1	5.455	0.129	0	0	0	22	L
L PC-141632	PC-134361	B	4 ACSR	6.98Y	116.4	0.00	9.62	0.00	0	0	0	100	0.00	0.0	5.518	0.063	0	0	0	0	L
L PC-141623	PC-134361	B	4 ACSR	6.98Y	116.3	0.06	9.68	14.94	11	103	19	98	0.05	0.0	5.541	0.086	0	0	0	22	L
L PC-141502	PC-141623	B	4 ACSR	6.98Y	116.3	0.00	9.68	1.01	1	7	1	99	0.00	0.0	5.584	0.044	0	0	0	2	L
L PC-128932	PC-141502	B	4 ACSR	6.98Y	116.3	0.00	9.68	0.79	1	5	1	98	0.00	0.0	5.713	0.128	0	0	0	1	L
L PC-130851	PC-141623	B	4 ACSR	6.98Y	116.3	0.07	9.75	13.93	10	96	18	98	0.05	0.1	5.653	0.112	0	0	0	20	L
L PC-133920	PC-130851	B	4 ACSR	6.97Y	116.2	0.03	9.78	9.64	7	66	12	98	0.02	0.0	5.730	0.077	0	0	0	14	L
L PC-130321	PC-133920	B	4 ACSR	6.97Y	116.2	0.01	9.79	9.61	7	66	12	98	0.00	0.0	5.747	0.017	0	0	0	13	L
L PC-137371	PC-130321	B	4 ACSR	6.97Y	116.2	0.04	9.83	9.61	7	66	12	98	0.02	0.0	5.841	0.094	0	0	0	13	L
L PC-131620	PC-137371	B	4 ACSR	6.97Y	116.1	0.03	9.85	7.29	5	50	9	98	0.01	0.0	5.923	0.082	0	0	0	9	L
L PC-134158	PC-131620	B	4 ACSR	6.97Y	116.1	0.03	9.88	7.29	5	50	9	98	0.01	0.0	5.999	0.076	0	0	0	9	L
L PC-123587	PC-134158	B	4 ACSR	6.97Y	116.1	0.02	9.90	7.29	5	50	9	98	0.01	0.0	6.055	0.056	0	0	0	9	L
L PC-129944	PC-123587	B	4 ACSR	6.96Y	116.1	0.02	9.92	7.29	5	50	9	98	0.01	0.0	6.126	0.071	0	0	0	9	L
L PC-173122	PC-129944	B	4 ACSR	6.96Y	116.1	0.02	9.94	6.19	4	42	8	98	0.01	0.0	6.210	0.084	0	0	0	8	L
L PC-164011	PC-173122	B	4 ACSR	6.96Y	116.0	0.02	9.96	4.70	3	32	6	98	0.00	0.0	6.284	0.074	0	0	0	5	L
L PC-134140	PC-164011	B	4 ACSR	6.96Y	116.0	0.02	9.98	4.70	3	32	6	98	0.00	0.0	6.361	0.077	0	0	0	5	L
L PC-141290	PC-134140	B	2 ACSR	6.96Y	116.0	0.00	9.98	0.52	0	4	1	97	0.00	0.0	6.389	0.029	0	0	0	1	L
L PC-138159	PC-141290	B	2 ACSR	6.96Y	116.0	0.00	9.98	0.52	0	4	1	97	0.00	0.0	6.430	0.041	0	0	0	1	L
L PC-132677	PC-134140	B	4 ACSR	6.96Y	116.0	0.01	9.99	4.18	3	29	5	99	0.00	0.0	6.420	0.059	0	0	0	4	L
L PC-141293	PC-132677	B	4 ACSR	6.96Y	116.0	0.00	9.99	3.05	2	21	4	98	0.00	0.0	6.453	0.033	0	0	0	3	L
L PC-131224	PC-141293	B	4 ACSR	6.96Y	116.0	0.00	9.99	1.38	1	9	2	98	0.00	0.0	6.487	0.034	0	0	0	1	L
L PC-129946	PC-141293	B	4 ACSR	6.96Y	116.0	0.01	10.00	1.67	1	11	2	98	0.00	0.0	6.526	0.073	0	0	0	2	L
L PC-131755	PC-129946	B	2 ACSR	6.96Y	116.0	0.00	10.00	0.70	0	5	1	98	0.00	0.0	6.546	0.020	0	0	0	1	L
L PC-132083	PC-131755	B	2 ACSR	6.96Y	116.0	0.00	10.00	0.70	0	5	1	98	0.00	0.0	6.623	0.077	0	0	0	1	L

Balanced Voltage Drop Report
Source: LEES_LICK

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\BASE WINTER SUB ALLOCATION.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L PC-129436	PC-132083	B	2 ACSR	6.96Y	116.0	0.00	10.00	0.70	0	5	1	98	0.00	0.0	6.662	0.038	0	0	0	1	L
L PC-131294	PC-129946	B	4 ACSR	6.96Y	116.0	0.00	10.00	0.97	1	7	1	99	0.00	0.0	6.568	0.042	0	0	0	1	L
L PC-140875	PC-131294	B	4 ACSR	6.96Y	116.0	0.00	10.00	0.97	1	7	1	99	0.00	0.0	6.596	0.028	0	0	0	1	L
L PC-130750	PC-132677	B	4 ACSR	6.96Y	116.0	0.00	9.99	1.13	1	8	1	99	0.00	0.0	6.491	0.071	0	0	0	1	L
L PC-132013	PC-130750	B	4 ACSR	6.96Y	116.0	0.00	10.00	1.13	1	8	1	99	0.00	0.0	6.564	0.072	0	0	0	1	L
L PC-130308	PC-132013	B	4 ACSR	6.96Y	116.0	0.00	10.00	0.00	0	0	0	100	0.00	0.0	6.624	0.061	0	0	0	0	L
L PC-130316	PC-173122	B	2 ACSR	6.96Y	116.1	0.00	9.94	0.06	0	0	0	100	0.00	0.0	6.242	0.033	0	0	0	1	L
L PC-131619	PC-137371	B	2 ACSR	6.97Y	116.2	0.00	9.83	1.79	1	12	2	99	0.00	0.0	5.872	0.031	0	0	0	2	L
L PC-141587	PC-131619	B	2 ACSR	6.97Y	116.2	0.00	9.83	0.78	0	5	1	98	0.00	0.0	5.892	0.020	0	0	0	1	L
L PC-127588	PC-137371	B	2 ACSR	6.97Y	116.2	0.00	9.83	0.53	0	4	1	97	0.00	0.0	5.926	0.085	0	0	0	2	L
L PC-134272	PC-127588	B	2 ACSR	6.97Y	116.2	0.00	9.83	0.53	0	4	1	97	0.00	0.0	5.986	0.060	0	0	0	2	L
L PC-134197	PC-134272	B	2 ACSR	6.97Y	116.2	0.00	9.83	0.25	0	2	0	100	0.00	0.0	6.053	0.067	0	0	0	1	L
L PC-134661	PC-130851	B	6 ACWC	6.98Y	116.3	0.00	9.75	0.34	0	2	0	100	0.00	0.0	5.739	0.086	0	0	0	1	L
L PC-141215	PC-134661	B	6 ACWC	6.98Y	116.3	0.00	9.75	0.34	0	2	0	100	0.00	0.0	5.795	0.056	0	0	0	1	L
L PC-127810	PC-130851	B	4 ACSR	6.97Y	116.2	0.01	9.76	3.95	3	27	5	98	0.00	0.0	5.705	0.052	0	0	0	5	L
L PC-138551	PC-127810	B	2 ACSR	6.97Y	116.2	0.00	9.76	2.10	1	14	3	98	0.00	0.0	5.741	0.036	0	0	0	3	L
L PC-132042	PC-138551	B	2 ACSR	6.97Y	116.2	0.00	9.76	0.43	0	3	1	95	0.00	0.0	5.830	0.089	0	0	0	1	L
L PC-141052	PC-130101	B	4 ACSR	7.00Y	116.6	0.00	9.36	1.17	1	8	2	97	0.00	0.0	5.110	0.041	0	0	0	2	L
L PC-127893	PC-141052	B	4 ACSR	7.00Y	116.6	0.00	9.36	1.17	1	8	2	97	0.00	0.0	5.175	0.065	0	0	0	2	L
L PC-134367	PC-127893	B	4 ACSR	7.00Y	116.6	0.00	9.36	0.45	0	3	1	95	0.00	0.0	5.200	0.026	0	0	0	1	L
L PC-164261	PC-134367	B	1/0 URD PR	7.00Y	116.6	0.00	9.36	0.45	0	3	1	95	0.00	0.0	5.206	0.006	0	0	0	1	L
L PC-155990	PC-164261	B	1/0 URD PR	7.00Y	116.6	0.00	9.36	0.45	0	3	1	95	0.00	0.0	5.238	0.032	0	0	0	1	L
L PC-141051	PC-130101	B	4 ACSR	7.00Y	116.6	0.00	9.36	1.48	1	10	2	98	0.00	0.0	5.111	0.042	0	0	0	1	L

---------- Feeder No. 0 (34-144) Beginning with Device 34-144 ----------

---------- Feeder No. 0 (34-114) Beginning with Device 34-114 ----------

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total	
KW	9874	54	0	0	0	0	723	0.00	10651	Lowest Voltage = 111.42 on Element PC-162711
KVAR	1837	10	0	0	0	0	823		2669	Max Accm VoltD = 14.58 on Element PC-162711
										Max Elem VoltD = 0.44 on Element PC-132839

Balanced Voltage Drop Report
Source: MILLERSBURG

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\BASE WINTER SUB ALLOCATION.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
MILLERSBURG		ABC	MILLERSBUR	7.56Y	126.0	0.00	0.00	226.53	0	5087	722	99	0.00	0.0	0.000	0.000	0	0	0	1191	
---------- Feeder No. 0 (38-104) Beginning with Device 38-104 ----------																					
L PC-129546	D3789	AB	4 ACSR	7.02Y	117.0	0.05	9.01	13.43	10	187	22	99	0.07	0.0	10.438	0.083	0	0	0	43	L
L PC-174025	PC-129546	AB	4 ACSR	7.02Y	116.9	0.04	9.05	12.95	9	181	21	99	0.06	0.0	10.513	0.075	0	0	0	41	L
L PC-174072	PC-174025	AB	4 ACSR	7.01Y	116.9	0.04	9.09	12.10	9	169	20	99	0.05	0.0	10.592	0.079	0	0	0	39	L
L PC-166432	PC-174072	AB	4 ACSR	7.01Y	116.9	0.00	9.10	10.68	8	149	18	99	0.00	0.0	10.598	0.006	0	0	0	35	L
L PC-122236	PC-166432	AB	4 ACSR	7.01Y	116.9	0.04	9.14	10.68	8	149	18	99	0.05	0.0	10.687	0.089	0	0	0	35	L
L PC-130405	PC-122236	AB	4 ACSR	7.01Y	116.8	0.06	9.19	10.22	7	142	17	99	0.07	0.0	10.822	0.136	0	0	0	33	L
L PC-129559	PC-130405	AB	4 ACSR	7.01Y	116.8	0.03	9.22	10.22	7	142	17	99	0.03	0.0	10.884	0.062	0	0	0	33	L
L PC-129805	PC-129559	AB	4 ACSR	7.00Y	116.7	0.04	9.26	10.22	7	142	17	99	0.05	0.0	10.982	0.098	0	0	0	33	L
L PC-130374	PC-129805	AB	4 ACSR	7.00Y	116.7	0.00	9.26	10.22	7	142	17	99	0.00	0.0	10.988	0.006	0	0	0	33	L
L PC-129574	PC-130374	AB	4 ACSR	7.00Y	116.7	0.03	9.29	10.22	7	142	17	99	0.03	0.0	11.055	0.067	0	0	0	33	L
L PC-131014	PC-129574	AB	4 ACSR	7.00Y	116.7	0.02	9.31	10.22	7	142	17	99	0.03	0.0	11.107	0.051	0	0	0	33	L
L PC-124766	PC-131014	AB	4 ACSR	7.00Y	116.7	0.02	9.33	10.22	7	142	17	99	0.02	0.0	11.145	0.039	0	0	0	33	L
L PC-125284	PC-124766	AB	4 ACSR	7.00Y	116.6	0.06	9.39	10.22	7	142	17	99	0.07	0.1	11.297	0.152	0	0	0	33	L
L PC-131918	PC-125284	AB	4 ACSR	6.99Y	116.6	0.03	9.43	10.22	7	142	17	99	0.04	0.0	11.373	0.076	0	0	0	33	L
L PC-130452	PC-131918	AB	4 ACSR	6.99Y	116.5	0.05	9.47	10.22	7	142	17	99	0.06	0.0	11.487	0.114	0	0	0	33	L
L PC-130688	PC-130452	AB	4 ACSR	6.99Y	116.5	0.03	9.50	10.22	7	142	17	99	0.03	0.0	11.555	0.068	0	0	0	33	L
L PC-127727	PC-130688	AB	4 ACSR	6.99Y	116.5	0.04	9.54	10.22	7	142	17	99	0.05	0.0	11.651	0.095	0	0	0	33	L
L PC-126699	PC-127727	AB	4 ACSR	6.98Y	116.4	0.04	9.59	10.22	7	142	17	99	0.05	0.0	11.756	0.105	0	0	0	33	L
L PC-127708	PC-126699	AB	4 ACSR	6.98Y	116.4	0.05	9.63	10.22	7	142	17	99	0.06	0.0	11.868	0.112	0	0	0	33	L
L PC-128059	PC-127708	AB	4 ACSR	6.98Y	116.3	0.04	9.68	10.22	7	142	17	99	0.05	0.0	11.972	0.103	0	0	0	33	L
L PC-126170	PC-128059	AB	4 ACSR	6.98Y	116.3	0.04	9.72	10.22	7	142	17	99	0.05	0.0	12.075	0.103	0	0	0	33	L
L PC-129958	PC-126170	AB	4 ACSR	6.97Y	116.2	0.04	9.76	10.22	7	142	16	99	0.05	0.0	12.170	0.095	0	0	0	33	L
L PC-128966	PC-129958	AB	4 ACSR	6.97Y	116.2	0.05	9.82	10.22	7	142	16	99	0.06	0.0	12.298	0.128	0	0	0	33	L
L PC-128941	PC-128966	AB	4 ACSR	6.97Y	116.2	0.03	9.84	10.22	7	142	16	99	0.03	0.0	12.365	0.067	0	0	0	33	L
L PC-136549	PC-128941	A	6 ACWC	6.97Y	116.2	0.00	9.84	0.00	0	0	0	100	0.00	0.0	12.429	0.063	0	0	0	1	L
L PC-129897	PC-128941	AB	4 ACSR	6.97Y	116.1	0.03	9.88	10.22	7	141	16	99	0.04	0.0	12.444	0.079	0	0	0	32	L
L PC-137829	PC-129897	AB	4 ACSR	6.96Y	116.1	0.04	9.92	10.07	7	139	16	99	0.05	0.0	12.552	0.108	0	0	0	31	L
L PC-133885	PC-137829	AB	4 ACSR	6.96Y	116.0	0.04	9.96	9.95	7	138	16	99	0.04	0.0	12.638	0.087	0	0	0	28	L
L PC-124055	PC-133885	A	2 ACSR	6.96Y	116.0	0.00	9.96	0.93	1	6	1	99	0.00	0.0	12.644	0.006	0	0	0	1	L
L PC-126149	PC-124055	A	2 ACSR	6.96Y	116.0	0.00	9.96	0.93	1	6	1	99	0.00	0.0	12.728	0.084	0	0	0	1	L
L PC-123378	PC-133885	AB	4 ACSR	6.96Y	116.0	0.04	10.00	9.23	7	128	15	99	0.05	0.0	12.756	0.118	0	0	0	26	L
L PC-129671	PC-123378	AB	4 ACSR	6.96Y	116.0	0.04	10.04	9.23	7	128	15	99	0.04	0.0	12.855	0.099	0	0	0	26	L
L PC-158738	PC-129671	B	1/0 URD PR	6.96Y	116.0	0.00	10.04	1.19	1	8	1	99	0.00	0.0	12.861	0.006	0	0	0	1	L
L PC-154398	PC-158738	B	1/0 URD PR	6.96Y	116.0	0.00	10.04	1.19	1	8	1	99	0.00	0.0	12.917	0.056	0	0	0	1	L
L PC-130602	PC-129671	AB	4 ACSR	6.96Y	115.9	0.04	10.08	7.34	5	101	12	99	0.03	0.0	12.971	0.116	0	0	0	20	L
L PC-154747	PC-130602	B	1/0 URD PR	6.96Y	115.9	0.00	10.08	2.11	1	15	2	99	0.00	0.0	12.977	0.006	0	0	0	1	L
L PC-165388	PC-154747	B	1/0 URD PR	6.96Y	115.9	0.00	10.08	2.11	1	15	2	99	0.00	0.0	13.002	0.025	0	0	0	1	L
L PC-130179	PC-130602	B	6 ACWC	6.95Y	115.9	0.02	10.10	3.77	3	26	3	99	0.00	0.0	13.094	0.123	0	0	0	5	L
L PC-161674	PC-130179	B	6 ACWC	6.95Y	115.9	0.03	10.13	3.77	3	26	3	99	0.01	0.0	13.278	0.183	0	0	0	5	L
L PC-161675	PC-161674	B	4 ACSR	6.95Y	115.9	0.00	10.13	1.12	1	8	1	99	0.00	0.0	13.375	0.098	0	0	0	2	L
L PC-131493	PC-161675	B	4 ACSR	6.95Y	115.9	0.00	10.14	1.12	1	8	1	99	0.00	0.0	13.467	0.092	0	0	0	2	L
L PC-151502	PC-131493	B	1/0 URD PR	6.95Y	115.9	0.00	10.14	0.53	0	4	0	100	0.00	0.0	13.476	0.009	0	0	0	1	L
L PC-148365	PC-151502	B	1/0 URD PR	6.95Y	115.9	0.00	10.14	0.53	0	4	0	100	0.00	0.0	13.510	0.035	0	0	0	1	L
L PC-155906	PC-148365	B	1/0 URD PR	6.95Y	115.9	0.00	10.14	0.53	0	4	0	100	0.00	0.0	13.618	0.108	0	0	0	1	L
L PC-137823	PC-161674	B	2 ACSR	6.95Y	115.9	0.00	10.13	0.94	1	6	1	99	0.00	0.0	13.334	0.056	0	0	0	2	L
L PC-171518	PC-137823	B	2 ACSR	6.95Y	115.9	0.00	10.13	0.55	0	4	0	100	0.00	0.0	13.436	0.102	0	0	0	1	L
L PC-161074	PC-171518	B	2 ACSR	6.95Y	115.9	0.00	10.13	0.55	0	4	0	100	0.00	0.0	13.482	0.047	0	0	0	1	L
L PC-128753	PC-130602	A	4 ACSR	6.95Y	115.9	0.01	10.09	3.33	2	23	3	99	0.00	0.0	13.042	0.070	0	0	0	7	L
L PC-138736	PC-128753	A	4 ACSR	6.95Y	115.9	0.01	10.10	3.33	2	23	3	99	0.00	0.0	13.100	0.058	0	0	0	7	L
L PC-131714	PC-138736	A	2 ACSR	6.95Y	115.9	0.00	10.10	2.15	1	15	2	99	0.00	0.0	13.169	0.069	0	0	0	4	L
L PC-129545	PC-131714	A	2 ACSR	6.95Y	115.9	0.00	10.10	1.49	1	10	1	100	0.00	0.0	13.220	0.051	0	0	0	3	L
L PC-137337	PC-129545	A	2 ACSR	6.95Y	115.9	0.00	10.10	0.06	0	0	0	100	0.00	0.0	13.262	0.042	0	0	0	1	L
L PC-129530	PC-129545	A	2 ACSR	6.95Y	115.9	0.00	10.10	1.44	1	10	1	100	0.00	0.0	13.265	0.045	0	0	0	2	L
L PC-169384	PC-129530	A	2 ACSR	6.95Y	115.9	0.00	10.11	1.44	1	10	1	100	0.00	0.0	13.313	0.048	0	0	0	2	L
L PC-137475	PC-169384	A	2 ACSR	6.95Y	115.9	0.00	10.11	1.08	1	7	1	99	0.00	0.0	13.338	0.024	0	0	0	1	L
L PC-169383	PC-137475	A	2 ACSR	6.95Y	115.9	0.00	10.11	1.08	1	7	1	99	0.00	0.0	13.381	0.043	0	0	0	1	L
L PC-161369	PC-137475	A	2 ACSR	6.95Y	115.9	0.00	10.11	0.00	0	0	0	100	0.00	0.0	13.391	0.054	0	0	0	0	L
L PC-162469	PC-161369	A	2 ACSR	6.95Y	115.9	0.00	10.11	0.00	0	0	0	100	0.00	0.0	13.455	0.063	0	0	0	0	L
L PC-130922	PC-138736	A	4 ACSR	6.95Y	115.9	0.00	10.10	1.18	1	8	1	99	0.00	0.0	13.182	0.082	0	0	0	3	L
L PC-130148	PC-130922	A	4 ACSR	6.95Y	115.9	0.00	10.10	1.18	1	8	1	99	0.00	0.0	13.236	0.054	0	0	0	3	L
L PC-164106	PC-130148	A	1/0 URD PR	6.95Y	115.9	0.00	10.10	0.01	0	0	0	100	0.00	0.0	13.238	0.002	0	0	0	1	L
L PC-164148	PC-164106	A	1/0 URD PR	6.95Y	115.9	0.00	10.10	0.01	0	0	0	100	0.00	0.0	13.262	0.024	0	0	0	1	L
L PC-128516	PC-130602	AB	4 ACSR	6.95Y	115.9	0.01	10.09	2.16	2	30	3	100	0.00	0.0	13.076	0.105	0	0	0	6	L
L PC-124129	PC-128516	AB	4 ACSR	6.95Y	115.9	0.00	10.09	2.16	2	30	3	100	0.00	0.0	13.112	0.036	0	0	0	6	L
L PC-124147	PC-124129	AB	4 ACSR	6.95Y	115.9	0.00	10.09	1.64	1	23	3	99	0.00	0.0	13.175	0.064	0	0	0	5	L
L PC-130601	PC-124147	AB	4 ACSR	6.95Y	115.9	0.00	10.10	0.96	1	13	2	99	0.00	0.0	13.270	0.095	0	0	0	4	L
L PC-128748	PC-130601	AB	4 ACSR	6.95Y	115.9	0.00	10.10	0.96	1	13	2	99	0.00	0.0	13.348	0.078	0	0	0	4	L
L PC-130588	PC-128748	AB	4 ACSR	6.95Y	115.9	0.00	10.10	0.96	1	13	2	99	0.00	0.0	13.422	0.074	0	0	0	4	L
L PC-129677	PC-130588	AB	4 ACSR	6.95Y	115.9	0.00	10.10	0.96	1	13	2	99	0.00	0.0	13.446	0.024	0	0	0	2	L
L PC-129558	PC-129677	AB	4 ACSR	6.95Y	115.9	0.00	10.11	0.96	1	13	2	99	0.00	0.0	13.543	0.097	0	0	0	2	L
L PC-127520	PC-129558	AB	4 ACSR	6.95Y	115.9	0.00	10.11	0.96	1	13	2	99	0.00	0.0	13.613	0.070	0	0	0	2	L
L PC-126497	PC-127520	AB	4 ACSR	6.95Y	115.9	0.00	10.11	0.96	1	13	2	99	0.00	0.0	13.713	0.100	0	0	0	2	L
L PC-128131	PC-126497	AB	4 ACSR	6.95Y	115.9	0.00	10.11	0.00	0	0	0	100	0.00	0.0	13.750	0.037	0	0	0	0	L
L PC-137827	PC-128131	AB	4 ACSR	6.95Y	115.9	0.00	10.11	0.00	0	0	0	100	0.00	0.0	13.789	0.039	0	0	0	0	L
L PC-127707	PC-137827	AB	4 ACSR	6.95Y	115.9	0.00	10.11	0.00	0	0	0	100	0.00	0.0	13.866	0.077	0	0	0	0	L
L PC-126496	PC-126497	A	4 ACSR	6.95Y	115.9	0.01	10.12	1.92	1	13	2	99	0.00	0.0	13.795	0.082	0	0	0	2	L
L PC-136169	PC-126496	A	4 ACSR	6.95Y	115.9	0.01	10.13	1.92	1	13	2	99	0.00	0.0	13.870	0.075	0	0	0	2	L

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

Balanced Voltage Drop Report
Source: MILLERSBURG

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\BASE WINTER SUB ALLOCATION.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L PC-138185	PC-136169	A	4 ACSR	6.95Y	115.9	0.00	10.13	1.83	1	13	1	100	0.00	0.0	13.910	0.040	0	0	0	1	L
L PC-134043	PC-138185	A	4 ACSR	6.95Y	115.9	0.00	10.13	1.83	1	13	1	100	0.00	0.0	13.946	0.036	0	0	0	1	L
L PC-169112	PC-134043	A	4 ACSR	6.95Y	115.9	0.00	10.14	1.83	1	13	1	100	0.00	0.0	14.001	0.055	0	0	0	1	L
L PC-162375	PC-169112	A	1/0 URD PR	6.95Y	115.9	0.00	10.14	0.00	0	0	0	100	0.00	0.0	14.104	0.103	0	0	0	0	L
L PC-161445	PC-169112	A	1/0 URD PR	6.95Y	115.9	0.00	10.14	1.83	1	13	1	100	0.00	0.0	14.010	0.009	0	0	0	1	L
L PC-161412	PC-161445	A	1/0 URD PR	6.95Y	115.9	0.00	10.14	1.83	1	13	1	100	0.00	0.0	14.065	0.054	0	0	0	1	L
L PC-130032	PC-130588	A	4 ACSR	6.95Y	115.9	0.00	10.10	0.01	0	0	0	100	0.00	0.0	13.509	0.087	0	0	0	2	L
L PC-175887	PC-130032	A	2 ACSR	6.95Y	115.9	0.00	10.10	0.00	0	0	0	100	0.00	0.0	13.532	0.023	0	0	0	1	L
L PC-165845	PC-175887	A	2 ACSR	6.95Y	115.9	0.00	10.10	0.00	0	0	0	100	0.00	0.0	13.535	0.003	0	0	0	1	L
L PC-171069	PC-165845	A	1/0 URD PR	6.95Y	115.9	0.00	10.10	0.00	0	0	0	100	0.00	0.0	13.611	0.076	0	0	0	1	L
L PC-167653	PC-171069	A	1/0 URD PR	6.95Y	115.9	0.00	10.10	0.00	0	0	0	100	0.00	0.0	13.710	0.099	0	0	0	1	L
L PC-124458	PC-124147	A	2 ACSR	6.95Y	115.9	0.00	10.09	1.36	1	9	1	99	0.00	0.0	13.209	0.033	0	0	0	1	L
L PC-130165	PC-129671	A	4 ACSR	6.96Y	116.0	0.01	10.05	2.59	2	18	2	99	0.00	0.0	12.908	0.053	0	0	0	5	L
L PC-162525	PC-130165	A	4 ACSR	6.96Y	115.9	0.00	10.05	2.00	1	14	2	99	0.00	0.0	12.961	0.053	0	0	0	4	L
L PC-133299	PC-162525	A	4 ACSR	6.96Y	115.9	0.00	10.06	1.29	1	9	1	99	0.00	0.0	13.036	0.074	0	0	0	3	L
L PC-162468	PC-133299	A	4 ACSR	6.96Y	115.9	0.00	10.06	1.13	1	8	1	99	0.00	0.0	13.058	0.023	0	0	0	1	L
L PC-135967	PC-162468	A	4 ACSR	6.96Y	115.9	0.00	10.06	1.13	1	8	1	99	0.00	0.0	13.086	0.027	0	0	0	1	L
L PC-127270	PC-137829	B	4 ACSR	6.96Y	116.1	0.00	9.92	0.23	0	2	0	100	0.00	0.0	12.634	0.082	0	0	0	3	L
L PC-130689	PC-127270	B	4 ACSR	6.96Y	116.1	0.00	9.92	0.23	0	2	0	100	0.00	0.0	12.693	0.059	0	0	0	3	L
L PC-126642	PC-130689	B	4 ACSR	6.96Y	116.1	0.00	9.93	0.23	0	2	0	100	0.00	0.0	12.764	0.072	0	0	0	3	L
L PC-129871	PC-126642	B	4 ACSR	6.96Y	116.1	0.00	9.93	0.15	0	1	0	100	0.00	0.0	12.812	0.047	0	0	0	1	L
L PC-128250	PC-126642	B	4 ACSR	6.96Y	116.1	0.00	9.93	0.00	0	0	0	100	0.00	0.0	12.826	0.062	0	0	0	1	L
L PC-130814	PC-128250	B	4 ACSR	6.96Y	116.1	0.00	9.93	0.00	0	0	0	100	0.00	0.0	12.883	0.057	0	0	0	1	L
L PC-130279	PC-130814	B	4 ACSR	6.96Y	116.1	0.00	9.93	0.00	0	0	0	100	0.00	0.0	12.991	0.108	0	0	0	1	L
L PC-133304	PC-174072	A	4 ACSR	7.01Y	116.9	0.01	9.11	2.53	2	18	2	99	0.00	0.0	10.705	0.113	0	0	0	3	L
L PC-168441	PC-133304	A	2 ACSR	7.01Y	116.9	0.00	9.11	1.04	1	7	1	99	0.00	0.0	10.714	0.009	0	0	0	2	L
L PC-168483	PC-168441	A	1/0 URD PR	7.01Y	116.9	0.00	9.11	0.05	0	0	0	100	0.00	0.0	10.715	0.001	0	0	0	1	L
L PC-167514	PC-168483	A	1/0 URD PR	7.01Y	116.9	0.00	9.11	0.05	0	0	0	100	0.00	0.0	10.764	0.048	0	0	0	1	L
L PC-130509	PC-174025	B	2 ACSR	7.02Y	116.9	0.00	9.06	1.70	1	12	1	100	0.00	0.0	10.592	0.079	0	0	0	2	L

---------- Feeder No. 0 (38-114) Beginning with Device 38-114 ----------

---------- Feeder No. 0 (38-124) Beginning with Device 38-124 ----------

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total
KW	4880	49	0	0	0	0	158	0.00	5087
KVAR	563	6	0	0	0	0	154		722

Lowest Voltage = 115.86 on Element PC-161412
Max Accm VoltD = 10.14 on Element PC-161412
Max Elem VoltD = 0.33 on Element PC-141070

Balanced Voltage Drop Report
Source: NORTH MADISON

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Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
NORTH MADISON		ABC	NORTH MADI	7.56Y	126.0	0.00	0.00	383.92	0	8533	1734	98	0.00	0.0	0.000	0.000	0	0	0	1024	
---------- Feeder No. 0 (15-114) Beginning with Device 15-114 ----------																					
C PC-161607	PC-104994	ABC	1/0 ACSR	7.38Y	123.0	0.17	3.03	161.41	70	3506	713	98	4.19	0.1	2.686	0.060	0	0	0	374	C
C PC-103894	PC-161607	ABC	1/0 ACSR	7.37Y	122.8	0.19	3.22	161.41	70	3502	709	98	4.73	0.1	2.754	0.068	0	0	0	374	C
C PC-103897	PC-103894	ABC	1/0 ACSR	7.35Y	122.5	0.25	3.47	161.41	70	3497	705	98	6.21	0.2	2.843	0.089	0	0	0	374	C
C PC-110207	PC-103897	ABC	1/0 ACSR	7.35Y	122.4	0.11	3.58	161.41	70	3491	699	98	2.66	0.1	2.881	0.038	0	0	0	374	C
C PC-105942	PC-110207	ABC	1/0 ACSR	7.33Y	122.2	0.19	3.77	161.41	70	3488	696	98	4.85	0.1	2.951	0.070	0	0	0	374	C
C PC-103747	PC-105942	ABC	1/0 ACSR	7.32Y	122.0	0.18	3.96	161.41	70	3483	692	98	4.52	0.1	3.016	0.065	0	0	0	374	C
C PC-161276	PC-103747	ABC	1/0 ACSR	7.31Y	121.9	0.19	4.14	161.41	70	3479	687	98	4.71	0.1	3.084	0.068	0	0	0	374	C
C PC-110231	PC-161276	ABC	1/0 ACSR	7.30Y	121.6	0.21	4.36	161.41	70	3474	683	98	5.31	0.2	3.161	0.077	0	0	0	374	C
C PC-160649	PC-110231	ABC	1/0 ACSR	7.29Y	121.5	0.17	4.52	161.41	70	3469	678	98	4.18	0.1	3.221	0.060	0	0	0	374	C
C PC-161611	PC-160649	ABC	1/0 ACSR	7.28Y	121.3	0.15	4.67	161.41	70	3464	674	98	3.77	0.1	3.276	0.054	0	0	0	374	C
C PC-111141	PC-161611	ABC	1/0 ACSR	7.27Y	121.2	0.10	4.77	161.41	70	3461	671	98	2.46	0.1	3.311	0.035	0	0	0	374	C
C PC-162141	PC-111141	ABC	1/0 ACSR	7.27Y	121.1	0.09	4.86	161.41	70	3458	668	98	2.27	0.1	3.344	0.033	0	0	0	374	C
C PC-109537	PC-162141	ABC	1/0 ACSR	7.25Y	120.9	0.26	5.12	161.41	70	3456	666	98	6.50	0.2	3.437	0.094	0	0	0	374	C
C PC-109868	PC-109537	ABC	1/0 ACSR	7.24Y	120.7	0.20	5.32	161.41	70	3449	660	98	4.92	0.1	3.508	0.071	0	0	0	374	C
C PC-161608	PC-109868	ABC	1/0 ACSR	7.23Y	120.6	0.10	5.42	161.41	70	3444	655	98	2.58	0.1	3.545	0.037	0	0	0	374	C
---------- Feeder No. 0 (15-104) Beginning with Device 15-104 ----------																					
---------- Feeder No. 0 (15-134) Beginning with Device 15-134 ----------																					
---------- Feeder No. 0 (15-124) Beginning with Device 15-124 ----------																					

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total	
KW	8075	146	0	0	0	0	312	0.00	8533	Lowest Voltage = 118.53 on Element PC-164359
KVAR	1337	24	0	0	0	0	373		1734	Max Accm VoltD = 7.47 on Element PC-164359
										Max Elem VoltD = 0.30 on Element PC-99526

Balanced Voltage Drop Report
Source: ALCAN 2

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Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
ALCAN 2		ABC	ALCAN 2	7.56Y	126.0	0.00	0.00	628.98	0	12734	6431	89	0.00	0.0	0.000	0.000	0	0	0	3	
---------- Feeder No. 0 (16-154) Beginning with Device 16-154 ----------																					
---------- Feeder No. 0 (16-144) Beginning with Device 16-144 ----------																					
C PC-167403	PC-92156	ABC	4/0 ACSR	7.56Y	126.0	0.01	0.03	315.54	93	6429	3141	90	0.28	0.0	0.012	0.002	0	0	0	1	C
C PC-167404	PC-167403	ABC	4/0 ACSR	7.54Y	125.7	0.25	0.28	315.54	93	6429	3140	90	8.46	0.1	0.075	0.064	0	0	0	1	C
C PC-95588	PC-167404	ABC	4/0 ACSR	7.53Y	125.5	0.17	0.45	315.54	93	6420	3126	90	5.93	0.1	0.120	0.045	0	0	0	1	C
C PC-93690	PC-95588	ABC	4/0 ACSR	7.52Y	125.3	0.21	0.66	315.54	93	6414	3116	90	7.26	0.1	0.175	0.055	0	0	0	1	C
C PC-91694	PC-93690	ABC	4/0 ACSR	7.51Y	125.2	0.12	0.78	315.54	93	6407	3103	90	4.25	0.1	0.207	0.032	0	0	0	1	C
C PC-92910	PC-91694	ABC	4/0 ACSR	7.50Y	125.1	0.16	0.95	315.54	93	6403	3096	90	5.63	0.1	0.249	0.042	0	0	0	1	C
C PC-93364	PC-92910	ABC	4/0 ACSR	7.49Y	124.9	0.19	1.14	315.54	93	6397	3087	90	6.58	0.1	0.298	0.049	0	0	0	1	C
C PC-102259	PC-93364	ABC	4/0 ACSR	7.49Y	124.8	0.08	1.22	315.54	93	6390	3075	90	2.76	0.0	0.319	0.021	0	0	0	1	C
C PC-91618	PC-102259	ABC	4/0 ACSR	7.48Y	124.6	0.14	1.36	315.54	93	6388	3071	90	4.90	0.1	0.356	0.037	0	0	0	1	C
C PC-161066	PC-91618	ABC	4/0 ACSR	7.48Y	124.6	0.05	1.41	315.54	93	6383	3062	90	1.66	0.0	0.369	0.012	0	0	0	1	C

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total
KW	12312	314	0	0	0	0	108	0.00	12734
KVAR	7003	178	-968	0	0	0	217		6431

Lowest Voltage = 123.26 on Element PC-161669
Max Accm VoltD = 2.74 on Element PC-161669
Max Elem VoltD = 0.25 on Element PC-167404

Balanced Voltage Drop Report
Source: HICKORY PLAINS

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\BASE WINTER SUB ALLOCATION.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element Cons On KW	Element Cons On KVAR	Element Cons Thru
HICKORY PLAINS		ABC	HICKORY PL	7.56Y	126.0	0.00	0.00	931.76	0	20642	4526	98	0.00	0.0	0.000	0.000	0	0	0 3271
C PC-156700	HICKORY PLAINS	ABC	350 MCM UR	7.56Y	126.0	0.00	0.00	162.21	51	3591	800	98	0.04	0.0	0.002	0.002	0	0	0 368 C
C PC-154890	PC-156700	ABC	350 MCM UR	7.56Y	126.0	0.00	0.00	162.21	51	3591	800	98	0.02	0.0	0.002	0.001	0	0	0 368 C
---------- Feeder No. 0 (9-154) Beginning with Device 9-154 ----------																			
C PC-154529	9-154	ABC	350 MCM UR	7.56Y	126.0	0.02	0.02	162.21	51	3591	800	98	0.46	0.0	0.020	0.018	0	0	0 368 C
---------- Feeder No. 0 (9-164) Beginning with Device 9-164 ----------																			
---------- Feeder No. 0 (9-104) Beginning with Device 9-104 ----------																			
---------- Feeder No. 0 (9-124) Beginning with Device 9-124 ----------																			
---------- Feeder No. 0 (9-134) Beginning with Device 9-134 ----------																			
---------- Feeder No. 0 (9-144) Beginning with Device 9-144 ----------																			

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total
KW	19807	441	0	0	0	0	394	0.00	20642
KVAR	4022	89	-315	0	0	0	729		4526

Lowest Voltage = 120.01 on Element PC-89104
Max Accm VoltD = 5.99 on Element PC-89104
Max Elem VoltD = 0.18 on Element PC-94299

Balanced Voltage Drop Report
Source: OXFORD

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Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
OXFORD		ABC	OXFORD	7.56Y	126.0	0.00	0.00	214.59	0	4817	692	99	0.00	0.0	0.000	0.000	0	0	0	644
---------- Feeder No. 0 (40-114) Beginning with Device 40-114 ----------																				
---------- Feeder No. 0 (40-104) Beginning with Device 40-104 ----------																				
C R72	PC-128156	ABC	100	7.56Y	126.0	-2.45	0.00	96.84	97	2109	435	98	percent Boost= 1.95 Tap= 3.1							264 C
C R69	PC-133970	ABC	100	7.56Y	126.0	-0.12	0.00	94.95	95	2107	433	98	percent Boost= 0.10 Tap= 0.2							264 C
---------- Feeder No. 0 (40-124) Beginning with Device 40-124 ----------																				

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total
KW	4604	102	0	0	0	0	111	0.00	4817
KVAR	874	19	-330	0	0	0	129		692

Lowest Voltage = 121.36 on Element PC-133071
Max Accm VoltD = 4.64 on Element PC-133071
Max Elem VoltD = 0.22 on Element PC-127650

Balanced Voltage Drop Report
Source: WEST BEREA

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\BASE WINTER SUB ALLOCATION.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
WEST BEREA		ABC	WEST BEREA	7.56Y	126.0	0.00	0.00	661.92	0	14860	2135	99	0.00	0.0	0.000	0.000	0	0	0	2514	
---------- Feeder No. 0 (8-124) Beginning with Device 8-124 ----------																					
---------- Feeder No. 0 (8-104) Beginning with Device 8-104 ----------																					
---------- Feeder No. 0 (8-114) Beginning with Device 8-114 ----------																					
H PC-89977	PC-159682	ABC	336.4 ACSR	7.56Y	126.0	-0.00	-0.00	16.88	3	256	-285	-67	0.01	0.0	0.399	0.035	0	0	0	11	H
H PC-93661	PC-89977	ABC	336.4 ACSR	7.56Y	126.0	-0.00	-0.01	15.90	3	210	-293	-58	0.01	0.0	0.432	0.032	0	0	0	10	H
H PC-93301	PC-93661	ABC	336.4 ACSR	7.56Y	126.0	-0.00	-0.01	15.90	3	210	-293	-58	0.01	0.0	0.462	0.030	0	0	0	10	H
H PC-93712	PC-93301	ABC	336.4 ACSR	7.56Y	126.0	-0.00	-0.01	15.90	3	210	-293	-58	0.01	0.0	0.496	0.034	0	0	0	10	H
H PC-93012	PC-93712	ABC	336.4 ACSR	7.56Y	126.0	-0.00	-0.01	15.90	3	210	-293	-58	0.01	0.0	0.534	0.038	0	0	0	10	H
H C8	PC-93012	ABC	Cap (300)	7.56Y	126.0	0.00	-0.01	15.90	0	210	-293	-58	0.00	0.0	0.534	0.038	0	0	0	10	H
H PC-92673	C8	ABC	336.4 ACSR	7.56Y	126.0	0.00	-0.01	9.41	2	210	38	98	0.00	0.0	0.540	0.006	0	0	0	10	H
H PC-93586	PC-92673	ABC	336.4 ACSR	7.56Y	126.0	0.00	-0.01	9.41	2	210	38	98	0.00	0.0	0.562	0.023	0	0	0	10	H
H PC-93928	PC-93586	ABC	1/0 ACSR	7.56Y	126.0	0.00	-0.01	1.37	1	31	5	99	0.00	0.0	0.603	0.041	0	0	0	2	H
H PC-92565	PC-93928	ABC	1/0 ACSR	7.56Y	126.0	0.00	-0.01	1.37	1	31	5	99	0.00	0.0	0.647	0.044	0	0	0	2	H
H PC-163245	PC-92565	ABC	1/0 ACSR	7.56Y	126.0	0.00	-0.01	0.01	0	0	0	100	0.00	0.0	0.692	0.046	0	0	0	1	H
H PC-162779	PC-163245	ABC	1/0 ACSR	7.56Y	126.0	0.00	-0.01	0.01	0	0	0	100	0.00	0.0	0.716	0.024	0	0	0	1	H
H PC-170383	PC-162779	ABC	1/0 ACSR	7.56Y	126.0	0.00	-0.01	0.01	0	0	0	100	0.00	0.0	0.741	0.025	0	0	0	1	H
H PC-170384	PC-170383	ABC	1/0 ACSR	7.56Y	126.0	0.00	-0.01	0.01	0	0	0	100	0.00	0.0	0.758	0.017	0	0	0	1	H
H PC-170385	PC-170384	C	2 ACSR	7.56Y	126.0	0.00	-0.01	0.04	0	0	0	100	0.00	0.0	0.766	0.007	0	0	0	1	H
H PC-163246	PC-162779	ABC	1/0 ACSR	7.56Y	126.0	0.00	-0.01	0.00	0	0	0	100	0.00	0.0	0.742	0.026	0	0	0	0	H
H PC-89739	PC-93586	ABC	336.4 ACSR	7.56Y	126.0	0.00	-0.01	8.04	2	180	32	98	0.00	0.0	0.599	0.037	0	0	0	8	H
H PC-96037	PC-89739	ABC	336.4 ACSR	7.56Y	126.0	0.00	-0.01	6.24	1	139	25	98	0.00	0.0	0.646	0.047	0	0	0	4	H
H PC-90989	PC-96037	ABC	336.4 ACSR	7.56Y	126.0	0.00	-0.01	6.24	1	139	25	98	0.00	0.0	0.691	0.045	0	0	0	4	H
H PC-91233	PC-90989	ABC	336.4 ACSR	7.56Y	126.0	0.00	-0.01	6.24	1	139	25	98	0.00	0.0	0.749	0.058	0	0	0	4	H
H PC-101837	PC-91233	ABC	336.4 ACSR	7.56Y	126.0	0.00	-0.01	0.00	0	0	0	100	0.00	0.0	0.791	0.042	0	0	0	0	H
H PC-93945	PC-101837	ABC	336.4 ACSR	7.56Y	126.0	0.00	-0.01	0.00	0	0	0	100	0.00	0.0	0.797	0.006	0	0	0	0	H
H S311-A	PC-93945	ABC	Open	7.56Y	126.0	0.00	-0.01	0.00	0	0	0	100	0.00	0.0	0.797	0.006	0	0	0	0	H
H PC-90129	PC-91233	ABC	336.4 ACSR	7.56Y	126.0	0.00	-0.00	6.24	1	139	25	98	0.00	0.0	0.791	0.042	0	0	0	4	H
H PC-90544	PC-90129	ABC	336.4 ACSR	7.56Y	126.0	0.00	-0.00	6.24	1	139	25	98	0.00	0.0	0.832	0.041	0	0	0	4	H
H PC-96379	PC-90544	ABC	336.4 ACSR	7.56Y	126.0	0.00	-0.00	6.24	1	139	25	98	0.00	0.0	0.872	0.040	0	0	0	4	H
H PC-89740	PC-89739	C	1/0 ACSR	7.56Y	126.0	0.00	-0.01	5.43	2	40	7	99	0.00	0.0	0.605	0.006	0	0	0	4	H
H PC-92411	PC-89740	C	1/0 ACSR	7.56Y	126.0	0.00	-0.01	5.43	2	40	7	99	0.00	0.0	0.636	0.031	0	0	0	4	H
H PC-92812	PC-92411	C	1/0 ACSR	7.56Y	126.0	0.00	-0.00	4.13	2	31	6	98	0.00	0.0	0.664	0.028	0	0	0	3	H
H PC-97204	PC-92812	C	4 ACSR	7.56Y	126.0	0.00	-0.00	4.13	3	31	6	98	0.00	0.0	0.678	0.014	0	0	0	3	H
H PC-92795	PC-92411	C	4 ACSR	7.56Y	126.0	0.00	-0.01	1.30	1	10	2	98	0.00	0.0	0.651	0.015	0	0	0	1	H
---------- Feeder No. 0 (8-134) Beginning with Device 8-134 ----------																					
---------- Feeder No. 0 (8-154) Beginning with Device 8-154 ----------																					

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total	
KW	14311	270	0	0	0	0	278	0.00	14860	Lowest Voltage = 118.10 on Element PC-173038
KVAR	2570	48	-952	0	0	0	469		2135	Max Accm VoltD = 7.90 on Element PC-173038
										Max Elem VoltD = 0.21 on Element PC-102573

Balanced Voltage Drop Report
Source: FAYETTE1

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Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
FAYETTE1		ABC	FAYETTE1	7.56Y	126.0	0.00	0.00	546.86	0	12278	1755	99	0.00	0.0	0.000	0.000	0	0	0	2056	
---------- Feeder No. 0 (5-174) Beginning with Device 5-174 ----------																					
C PC-155171	FAYETTE1	ABC	350 MCM UR	7.56Y	126.0	0.01	0.01	201.85	63	4509	792	98	0.17	0.0	0.004	0.004	0	0	0	676	C
C PC-159149	PC-155171	ABC	350 MCM UR	7.56Y	126.0	0.00	0.01	201.85	63	4509	792	98	0.15	0.0	0.008	0.004	0	0	0	676	C
---------- Feeder No. 0 (5-144) Beginning with Device 5-144 -----------																					
C PC-166759	5-144	ABC	350 MCM UR	7.55Y	125.9	0.13	0.14	201.85	63	4509	792	98	4.27	0.1	0.115	0.107	0	0	0	676	C
C PC-154216	PC-166759	ABC	350 MCM UR	7.55Y	125.8	0.05	0.20	201.85	63	4504	788	99	1.73	0.0	0.158	0.043	0	0	0	676	C
C PC-159874	PC-117991	A	336.4 ACSR	7.50Y	125.0	0.16	0.95	515.72	97	3819	652	99	3.56	0.1	0.680	0.035	0	0	0	550	C
C PC-115744	PC-159874	A	336.4 ACSR	7.50Y	125.0	0.05	1.01	515.72	97	3816	643	99	1.18	0.0	0.692	0.012	0	0	0	550	C
C PC-113104	PC-115744	A	336.4 ACSR	7.49Y	124.8	0.24	1.25	493.51	93	3650	615	99	5.05	0.1	0.746	0.055	0	0	0	549	C
C PC-108697	PC-113104	A	336.4 ACSR	7.48Y	124.6	0.15	1.39	493.51	93	3645	602	99	3.05	0.1	0.779	0.033	0	0	0	549	C
C PC-116307	PC-108697	A	336.4 ACSR	7.47Y	124.5	0.09	1.48	493.51	93	3642	594	99	1.85	0.1	0.799	0.020	0	0	0	549	C
C PC-119917	PC-116307	A	336.4 ACSR	7.46Y	124.4	0.12	1.60	378.02	71	2787	458	99	1.85	0.1	0.834	0.034	0	0	0	392	C
C PC-114658	PC-119917	A	336.4 ACSR	7.46Y	124.3	0.14	1.73	378.02	71	2785	453	99	2.23	0.1	0.875	0.041	0	0	0	392	C
---------- Feeder No. 0 (5-164) Beginning with Device 5-164 ----------																					

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total	
KW	11841	295	0	0	0	0	141	0.00	12278	Lowest Voltage = 120.54 on Element PC-165543
KVAR	1775	44	-327	0	0	0	263		1755	Max Accm VoltD = 5.46 on Element PC-165543
										Max Elem VoltD = 0.24 on Element PC-113104

Balanced Voltage Drop Report
Source: WEST NICHOLA...

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\BASE WINTER SUB ALLOCATION.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element Cons On	Element Cons Thru	
WEST NICHOLA...		ABC	WEST NICHO	7.56Y	126.0	0.00	0.00	375.87	0	8099	2660	95	0.00	0.0	0.000	0.000	0	700	
---------- Feeder No. 0 (18-114) Beginning with Device 18-114 ----------																			
---------- Feeder No. 0 (D100515) Beginning with Device D100515 ----------																			
C PC-153046	PC-107575	ABC	1/0 URD PR	7.47Y	124.5	0.02	1.53	160.93	95	3436	1094	95	0.51	0.0	1.072	0.006	0	0	1 C
C PC-165405	PC-153046	ABC	1/0 URD PR	7.46Y	124.3	0.13	1.66	160.93	95	3436	1093	95	3.46	0.1	1.110	0.039	0	0	1 C

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total	
KW	7824	226	0	0	0	0	49	0.00	8099	Lowest Voltage = 124.34 on Element PC-165405
KVAR	2489	72	0	0	0	0	99		2660	Max Accm VoltD = 1.66 on Element PC-165405
										Max Elem VoltD = 0.13 on Element PC-165405

Balanced Voltage Drop Report
Source: FOUR_OAKS

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Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
FOUR_OAKS		ABC	FOUR_OAKS	7.56Y	126.0	0.00	0.00	319.29	0	7095	1447	98	0.00	0.0	0.000	0.000	0	0	0	1839	
---------- Feeder No. 0 (33-124) Beginning with Device 33-124 ----------																					
---------- Feeder No. 0 (33-134) Beginning with Device 33-134 ----------																					
L PC-144533	PC-160538	C	4 ACSR	7.02Y	116.9	0.05	9.05	9.57	7	65	17	97	0.03	0.0	6.922	0.119	0	0	0	15	L
L PC-144925	PC-144533	C	4 ACSR	7.02Y	116.9	0.00	9.05	9.57	7	65	17	97	0.00	0.0	6.927	0.006	0	0	0	15	L
L PC-144926	PC-144925	C	4 ACSR	7.01Y	116.9	0.04	9.09	9.57	7	65	17	97	0.02	0.0	7.016	0.089	0	0	0	15	L
L PC-181060	PC-144926	C	4 ACSR	7.01Y	116.9	0.05	9.15	8.45	6	57	15	97	0.02	0.0	7.156	0.139	0	0	0	14	L
L PC-161125	PC-181060	C	4 ACSR	7.01Y	116.8	0.01	9.16	1.93	1	13	3	97	0.00	0.0	7.257	0.101	0	0	0	5	L
L PC-160537	PC-161125	C	2 ACSR	7.01Y	116.8	0.00	9.16	0.25	0	2	0	100	0.00	0.0	7.312	0.055	0	0	0	1	L
L PC-138659	PC-161125	C	4 ACSR	7.01Y	116.8	0.00	9.16	0.93	1	6	2	95	0.00	0.0	7.318	0.061	0	0	0	2	L
L PC-161126	PC-138659	C	4 ACSR	7.01Y	116.8	0.00	9.16	0.33	0	2	1	89	0.00	0.0	7.355	0.037	0	0	0	1	L
L PC-136219	PC-161126	C	4 ACSR	7.01Y	116.8	0.00	9.16	0.33	0	2	1	89	0.00	0.0	7.423	0.067	0	0	0	1	L
L PC-140724	PC-181060	C	4 ACSR	7.01Y	116.8	0.03	9.18	5.49	4	37	10	97	0.01	0.0	7.273	0.117	0	0	0	8	L
L PC-162808	PC-140724	C	4 ACSR	7.01Y	116.8	0.00	9.18	0.00	0	0	0	100	0.00	0.0	7.350	0.077	0	0	0	0	L
L PC-162809	PC-162808	C	4 ACSR	7.01Y	116.8	0.00	9.18	0.00	0	0	0	100	0.00	0.0	7.421	0.071	0	0	0	0	L
L PC-163232	PC-162809	C	4 ACSR	7.01Y	116.8	0.00	9.18	0.00	0	0	0	100	0.00	0.0	7.446	0.024	0	0	0	0	L
L PC-150597	PC-140724	C	4 ACSR	7.01Y	116.8	0.02	9.19	5.46	4	37	10	97	0.01	0.0	7.342	0.068	0	0	0	7	L
L PC-143602	PC-150597	C	4 ACSR	7.01Y	116.8	0.02	9.21	3.99	3	27	7	97	0.00	0.0	7.445	0.104	0	0	0	6	L
L PC-143441	PC-143602	C	4 ACSR	7.01Y	116.8	0.01	9.22	3.77	3	26	7	97	0.00	0.0	7.505	0.060	0	0	0	5	L
L PC-144940	PC-143441	C	6 ACWC	7.01Y	116.8	0.00	9.23	3.44	2	23	6	97	0.00	0.0	7.524	0.019	0	0	0	4	L
L PC-163810	PC-144940	C	6 ACWC	7.01Y	116.8	0.01	9.24	2.24	2	15	4	97	0.00	0.0	7.641	0.117	0	0	0	3	L
L PC-163811	PC-163810	C	6 ACWC	7.01Y	116.8	0.01	9.24	2.24	2	15	4	97	0.00	0.0	7.710	0.069	0	0	0	3	L
L PC-162187	PC-163811	C	6 ACWC	7.01Y	116.8	0.00	9.25	1.21	1	8	2	97	0.00	0.0	7.741	0.031	0	0	0	2	L
L PC-162186	PC-162187	C	4 ACSR	7.01Y	116.8	0.00	9.25	0.48	0	3	1	95	0.00	0.0	7.846	0.105	0	0	0	1	L
L PC-161469	PC-162187	C	4 ACSR	7.00Y	116.7	0.01	9.25	0.74	1	5	1	98	0.00	0.0	7.922	0.181	0	0	0	1	L
L PC-161053	PC-161469	C	4 ACSR	7.00Y	116.7	0.00	9.26	0.74	1	5	1	98	0.00	0.0	8.001	0.079	0	0	0	1	L
L PC-154374	PC-161053	C	4 ACSR	7.00Y	116.7	0.00	9.26	0.74	1	5	1	98	0.00	0.0	8.130	0.128	0	0	0	1	L
L PC-144153	PC-154374	C	4 ACSR	7.00Y	116.7	0.00	9.26	0.74	1	5	1	98	0.00	0.0	8.239	0.109	0	0	0	1	L
L PC-143310	PC-144153	C	4 ACSR	7.00Y	116.7	0.00	9.27	0.74	1	5	1	98	0.00	0.0	8.304	0.065	0	0	0	1	L
L PC-144593	PC-163810	C	4 ACSR	7.01Y	116.8	0.00	9.24	0.00	0	0	0	100	0.00	0.0	7.692	0.051	0	0	0	0	L
L PC-149269	PC-144940	C	2 ACSR	7.01Y	116.8	0.00	9.23	1.20	1	8	2	97	0.00	0.0	7.560	0.036	0	0	0	1	L
L PC-160539	PC-149269	C	2 ACSR	7.01Y	116.8	0.00	9.23	1.20	1	8	2	97	0.00	0.0	7.604	0.044	0	0	0	1	L
L PC-175720	PC-160539	C	2 ACSR	7.01Y	116.8	0.00	9.23	1.20	1	8	2	97	0.00	0.0	7.690	0.086	0	0	0	1	L
L PC-168903	PC-175720	C	2 ACSR	7.01Y	116.8	0.00	9.24	1.20	1	8	2	97	0.00	0.0	7.781	0.091	0	0	0	1	L
L PC-144873	PC-140724	C	2 ACSR	7.01Y	116.8	0.00	9.18	0.03	0	0	0	100	0.00	0.0	7.361	0.088	0	0	0	1	L
L PC-144105	PC-144926	C	4 ACSR	7.01Y	116.9	0.00	9.10	1.13	1	8	2	97	0.00	0.0	7.081	0.065	0	0	0	1	L
L PC-142181	PC-160538	C	4 ACSR	7.02Y	116.9	0.06	9.06	28.96	21	197	51	97	0.09	0.0	6.846	0.043	0	0	0	44	L
L PC-144869	PC-142181	C	4 ACSR	7.01Y	116.8	0.12	9.18	23.36	17	159	42	97	0.15	0.1	6.959	0.113	0	0	0	37	L
L PC-143751	PC-144869	C	4 ACSR	7.00Y	116.7	0.08	9.26	23.36	17	158	41	97	0.10	0.1	7.033	0.074	0	0	0	37	L
L PC-150422	PC-143751	C	4 ACSR	7.00Y	116.6	0.12	9.37	23.36	17	158	41	97	0.15	0.1	7.141	0.109	0	0	0	37	L
L PC-168905	PC-150422	C	4 ACSR	7.00Y	116.6	0.04	9.41	23.36	17	158	41	97	0.05	0.0	7.178	0.036	0	0	0	37	L
L PC-168904	PC-168905	C	4 ACSR	6.99Y	116.5	0.06	9.47	23.29	17	158	41	97	0.07	0.0	7.230	0.052	0	0	0	36	L
L PC-161127	PC-168904	C	4 ACSR	6.98Y	116.4	0.14	9.61	21.94	16	148	39	97	0.16	0.1	7.366	0.136	0	0	0	35	L
L PC-161470	PC-161127	C	4 ACSR	6.98Y	116.4	0.03	9.64	21.33	15	144	38	97	0.04	0.0	7.399	0.033	0	0	0	34	L
L PC-140835	PC-161470	C	4 ACSR	6.97Y	116.2	0.15	9.79	21.33	15	144	38	97	0.17	0.1	7.549	0.150	0	0	0	34	L
L PC-168933	PC-140835	C	4 ACSR	6.97Y	116.2	0.02	9.81	2.14	2	14	4	96	0.00	0.0	7.747	0.198	0	0	0	11	L
L PC-135776	PC-168933	C	4 ACSR	6.97Y	116.2	0.00	9.81	2.14	2	14	4	96	0.00	0.0	7.791	0.044	0	0	0	11	L
L PC-168932	PC-135776	C	4 ACSR	6.97Y	116.2	0.00	9.81	0.30	0	2	1	89	0.00	0.0	7.830	0.039	0	0	0	1	L
L PC-139967	PC-168932	C	4 ACSR	6.97Y	116.2	0.00	9.81	0.30	0	2	1	89	0.00	0.0	7.918	0.088	0	0	0	1	L
L PC-139751	PC-139967	C	4 ACSR	6.97Y	116.2	0.00	9.81	0.00	0	0	0	100	0.00	0.0	8.006	0.087	0	0	0	0	L
L PC-168931	PC-135776	C	4 ACSR	6.97Y	116.2	0.01	9.82	1.84	1	12	3	97	0.00	0.0	7.940	0.149	0	0	0	10	L
L PC-143885	PC-168931	C	4 ACSR	6.97Y	116.2	0.01	9.83	1.76	1	12	3	97	0.00	0.0	8.013	0.073	0	0	0	8	L
L PC-150324	PC-143885	C	4 ACSR	6.97Y	116.2	0.00	9.83	1.76	1	12	3	97	0.00	0.0	8.049	0.036	0	0	0	8	L
L PC-143957	PC-150324	C	4 ACSR	6.97Y	116.2	0.01	9.84	1.76	1	12	3	97	0.00	0.0	8.167	0.118	0	0	0	8	L
L PC-143718	PC-143957	C	4 ACSR	6.97Y	116.2	0.01	9.85	1.76	1	12	3	97	0.00	0.0	8.229	0.062	0	0	0	8	L
L PC-151758	PC-143718	C	4 ACSR	6.97Y	116.1	0.01	9.85	1.76	1	12	3	97	0.00	0.0	8.301	0.072	0	0	0	8	L
L PC-142140	PC-151758	C	4 ACSR	6.97Y	116.1	0.01	9.86	1.76	1	12	3	97	0.00	0.0	8.409	0.109	0	0	0	8	L
L PC-170513	PC-142140	C	4 ACSR	6.97Y	116.1	0.00	9.86	1.00	1	7	2	96	0.00	0.0	8.487	0.078	0	0	0	7	L
L PC-177298	PC-170513	C	4 ACSR	6.97Y	116.1	0.00	9.87	0.78	1	5	1	98	0.00	0.0	8.587	0.099	0	0	0	5	L
L PC-170512	PC-177298	C	4 ACSR	6.97Y	116.1	0.00	9.87	0.75	1	5	1	98	0.00	0.0	8.678	0.091	0	0	0	4	L
L PC-145168	PC-170512	C	4 ACSR	6.97Y	116.1	0.00	9.88	0.75	1	5	1	98	0.00	0.0	8.804	0.126	0	0	0	4	L
L PC-144494	PC-145168	C	4 ACSR	6.97Y	116.1	0.00	9.88	0.44	0	3	1	95	0.00	0.0	8.852	0.048	0	0	0	2	L
L PC-143485	PC-144494	C	4 ACSR	6.97Y	116.1	0.00	9.88	0.37	0	2	1	89	0.00	0.0	8.865	0.013	0	0	0	1	L
L PC-143410	PC-143485	C	4 ACSR	6.97Y	116.1	0.00	9.88	0.37	0	2	1	89	0.00	0.0	8.884	0.019	0	0	0	1	L
L PC-139491	PC-143410	C	4 ACSR	6.97Y	116.1	0.00	9.88	0.37	0	2	1	89	0.00	0.0	8.948	0.064	0	0	0	1	L
L PC-170376	PC-170513	C	4 ACSR	6.97Y	116.1	0.00	9.87	0.22	0	1	0	100	0.00	0.0	8.585	0.098	0	0	0	2	L
L PC-145316	PC-170376	C	4 ACSR	6.97Y	116.1	0.00	9.87	0.22	0	1	0	100	0.00	0.0	8.612	0.027	0	0	0	2	L
L PC-170764	PC-145316	C	4 ACSR	6.97Y	116.1	0.00	9.87	0.22	0	1	0	100	0.00	0.0	8.651	0.040	0	0	0	2	L
L PC-170510	PC-170764	C	4 ACSR	6.97Y	116.1	0.00	9.87	0.22	0	1	0	100	0.00	0.0	8.739	0.088	0	0	0	2	L
L PC-170511	PC-170510	C	4 ACSR	6.97Y	116.1	0.00	9.87	0.00	0	0	0	100	0.00	0.0	8.782	0.043	0	0	0	1	L
L PC-144152	PC-170510	C	4 ACSR	6.97Y	116.1	0.00	9.87	0.22	0	1	0	100	0.00	0.0	8.831	0.092	0	0	0	1	L
L PC-138902	PC-140835	C	4 ACSR	6.97Y	116.1	0.10	9.88	19.18	14	129	34	97	0.10	0.1	7.659	0.110	0	0	0	23	L
L PC-144550	PC-138902	C	4 ACSR	6.97Y	116.1	0.00	9.88	0.42	0	3	1	95	0.00	0.0	7.703	0.045	0	0	0	1	L
L PC-135777	PC-138902	C	4 ACSR	6.97Y	116.1	0.03	9.92	18.76	13	127	33	97	0.03	0.0	7.696	0.038	0	0	0	22	L
L PC-148437	PC-135777	C	4 ACSR	6.96Y	116.0	0.08	9.99	18.76	13	126	33	97	0.08	0.1	7.786	0.090	0	0	0	22	L
L PC-150487	PC-148437	C	4 ACSR	6.96Y	116.0	0.01	10.00	2.60	2	18	5	96	0.00	0.0	7.851	0.065	0	0	0	2	L
L PC-143148	PC-150487	C	2 ACSR	6.96Y	116.0	0.00	10.00	0.79	0	5	1	98	0.00	0.0	7.913	0.062	0	0	0	1	L

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

Balanced Voltage Drop Report
Source: FOUR_OAKS

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\BASE WINTER SUB ALLOCATION.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L PC-150486	PC-148437	C	4 ACSR	6.96Y	116.0	0.03	10.02	16.16	12	109	28	97	0.02	0.0	7.820	0.034	0	0	0	20	L
L PC-143650	PC-150486	C	4 ACSR	6.96Y	115.9	0.04	10.06	14.79	11	100	26	97	0.03	0.0	7.877	0.057	0	0	0	19	L
L PC-144549	PC-143650	C	4 ACSR	6.95Y	115.9	0.04	10.10	14.79	11	100	26	97	0.04	0.0	7.943	0.066	0	0	0	19	L
L PC-159211	PC-144549	C	4 ACSR	6.95Y	115.9	0.03	10.14	14.79	11	100	26	97	0.03	0.0	7.992	0.049	0	0	0	19	L
L PC-168929	PC-159211	C	4 ACSR	6.95Y	115.9	0.01	10.14	2.37	2	16	4	97	0.00	0.0	8.067	0.076	0	0	0	4	L
L PC-144965	PC-168929	C	4 ACSR	6.95Y	115.9	0.00	10.15	0.21	0	1	0	100	0.00	0.0	8.166	0.099	0	0	0	1	L
L PC-145397	PC-168929	C	4 ACSR	6.95Y	115.9	0.00	10.15	1.26	1	9	2	98	0.00	0.0	8.125	0.058	0	0	0	2	L
L PC-143606	PC-145397	C	4 ACSR	6.95Y	115.9	0.00	10.15	0.27	0	2	0	100	0.00	0.0	8.203	0.078	0	0	0	1	L
L PC-161174	PC-143606	C	4 ACSR	6.95Y	115.9	0.00	10.15	0.00	0	0	0	100	0.00	0.0	8.229	0.026	0	0	0	0	L
L PC-143608	PC-161174	C	4 ACSR	6.95Y	115.9	0.00	10.15	0.00	0	0	0	100	0.00	0.0	8.266	0.037	0	0	0	0	L
L PC-161171	PC-159211	C	4 ACSR	6.95Y	115.9	0.00	10.14	0.48	0	3	1	95	0.00	0.0	8.027	0.035	0	0	0	2	L
L PC-151759	PC-161171	C	4 ACSR	6.95Y	115.9	0.00	10.14	0.42	0	3	1	95	0.00	0.0	8.043	0.016	0	0	0	1	L
L PC-139376	PC-159211	C	4 ACSR	6.95Y	115.8	0.07	10.21	10.44	7	70	18	97	0.04	0.1	8.138	0.146	0	0	0	12	L
L PC-168930	PC-139376	C	4 ACSR	6.95Y	115.8	0.00	10.21	0.00	0	0	0	100	0.00	0.0	8.206	0.068	0	0	0	0	L
L PC-161498	PC-139376	C	4 ACSR	6.94Y	115.7	0.04	10.25	9.19	7	62	16	97	0.02	0.0	8.241	0.103	0	0	0	11	L
L PC-161497	PC-161498	C	4 ACSR	6.94Y	115.7	0.00	10.25	0.95	1	6	2	95	0.00	0.0	8.308	0.067	0	0	0	2	L
L PC-152642	PC-161498	C	4 ACSR	6.94Y	115.7	0.02	10.27	8.25	6	55	14	97	0.01	0.0	8.287	0.046	0	0	0	9	L
L PC-161496	PC-152642	C	4 ACSR	6.94Y	115.7	0.00	10.27	2.14	2	14	4	96	0.00	0.0	8.335	0.048	0	0	0	2	L
L PC-145166	PC-161496	C	4 ACSR	6.94Y	115.7	0.01	10.28	2.14	2	14	4	96	0.00	0.0	8.389	0.054	0	0	0	2	L
L PC-148979	PC-145166	C	4 ACSR	6.94Y	115.7	0.00	10.28	0.80	1	5	1	98	0.00	0.0	8.463	0.074	0	0	0	1	L
L PC-161172	PC-152642	C	4 ACSR	6.94Y	115.7	0.01	10.28	6.11	4	41	11	97	0.00	0.0	8.339	0.052	0	0	0	7	L
L PC-140486	PC-161172	C	4 ACSR	6.94Y	115.7	0.01	10.29	6.11	4	41	11	97	0.00	0.0	8.372	0.033	0	0	0	7	L
L PC-139492	PC-140486	C	4 ACSR	6.94Y	115.7	0.03	10.32	6.11	4	41	11	97	0.01	0.0	8.485	0.113	0	0	0	7	L
L PC-143831	PC-139492	C	4 ACSR	6.94Y	115.7	0.01	10.33	3.29	2	22	6	96	0.00	0.0	8.527	0.042	0	0	0	5	L
L PC-141246	PC-143831	C	4 ACSR	6.94Y	115.7	0.00	10.33	0.30	0	2	1	89	0.00	0.0	8.635	0.107	0	0	0	2	L
L PC-168928	PC-141246	C	4 ACSR	6.94Y	115.7	0.00	10.33	0.30	0	2	1	89	0.00	0.0	8.667	0.033	0	0	0	2	L
L PC-161054	PC-168928	C	4 ACSR	6.94Y	115.7	0.00	10.33	0.00	0	0	0	100	0.00	0.0	8.720	0.053	0	0	0	1	L
L PC-141245	PC-143831	C	4 ACSR	6.94Y	115.7	0.01	10.34	2.99	2	20	5	97	0.00	0.0	8.607	0.079	0	0	0	3	L
L PC-145758	PC-141245	C	4 ACSR	6.94Y	115.7	0.00	10.34	1.51	1	10	3	96	0.00	0.0	8.653	0.047	0	0	0	2	L
L PC-144794	PC-145758	C	4 ACSR	6.94Y	115.7	0.00	10.35	1.51	1	10	3	96	0.00	0.0	8.711	0.058	0	0	0	2	L
L PC-153538	PC-144794	C	4 ACSR	6.94Y	115.7	0.00	10.35	0.00	0	0	0	100	0.00	0.0	8.797	0.086	0	0	0	0	L
L PC-153531	PC-144794	C	4 ACSR	6.94Y	115.7	0.00	10.35	0.37	0	3	1	95	0.00	0.0	8.755	0.044	0	0	0	1	L
L PC-159210	PC-139376	C	4 ACSR	6.95Y	115.8	0.01	10.21	1.25	1	8	2	97	0.00	0.0	8.249	0.111	0	0	0	1	L
L PC-140478	PC-161127	C	4 ACSR	6.98Y	116.4	0.00	9.61	0.62	0	4	1	97	0.00	0.0	7.404	0.038	0	0	0	1	L
L PC-161471	PC-140478	C	4 ACSR	6.98Y	116.4	0.00	9.61	0.62	0	4	1	97	0.00	0.0	7.435	0.031	0	0	0	1	L
L PC-137815	PC-168905	C	4 ACSR	7.00Y	116.6	0.00	9.41	0.07	0	0	0	100	0.00	0.0	7.252	0.074	0	0	0	1	L
L PC-144819	PC-142181	C	4 ACSR	7.02Y	116.9	0.01	9.07	5.60	4	38	10	97	0.00	0.0	6.895	0.049	0	0	0	7	L
L PC-150424	PC-144819	C	4 ACSR	7.01Y	116.9	0.04	9.11	5.60	4	38	10	97	0.01	0.0	7.053	0.158	0	0	0	7	L
L PC-138356	PC-150424	C	4 ACSR	7.01Y	116.9	0.04	9.14	5.60	4	38	10	97	0.01	0.0	7.190	0.136	0	0	0	7	L
L PC-149503	PC-138356	C	4 ACSR	7.01Y	116.8	0.02	9.16	5.60	4	38	10	97	0.01	0.0	7.260	0.070	0	0	0	7	L
L PC-161637	PC-149503	C	4 ACSR	7.01Y	116.8	0.03	9.19	5.60	4	38	10	97	0.01	0.0	7.386	0.126	0	0	0	7	L
L PC-161636	PC-161637	C	4 ACSR	7.01Y	116.8	0.00	9.20	5.06	4	34	9	97	0.00	0.0	7.392	0.005	0	0	0	5	L
L PC-144820	PC-161636	C	4 ACSR	7.01Y	116.8	0.01	9.21	5.06	4	34	9	97	0.00	0.0	7.451	0.059	0	0	0	5	L
L PC-161167	PC-144820	C	4 ACSR	7.01Y	116.8	0.02	9.23	5.06	4	34	9	97	0.00	0.0	7.517	0.067	0	0	0	5	L
L PC-144339	PC-161167	C	4 ACSR	7.01Y	116.8	0.01	9.24	3.63	3	25	6	97	0.00	0.0	7.606	0.088	0	0	0	4	L
L PC-160629	PC-144339	C	4 ACSR	7.00Y	116.7	0.01	9.25	3.63	3	25	6	97	0.00	0.0	7.680	0.074	0	0	0	4	L
L PC-139901	PC-160629	C	4 ACSR	7.00Y	116.7	0.01	9.26	3.63	3	25	6	97	0.00	0.0	7.720	0.040	0	0	0	4	L
L PC-161170	PC-139901	C	4 ACSR	7.00Y	116.7	0.01	9.27	2.88	2	20	5	97	0.00	0.0	7.806	0.086	0	0	0	3	L
L PC-144752	PC-161170	C	4 ACSR	7.00Y	116.7	0.01	9.28	2.88	2	20	5	97	0.00	0.0	7.872	0.066	0	0	0	3	L
L PC-168927	PC-144752	C	4 ACSR	7.00Y	116.7	0.01	9.29	2.88	2	20	5	97	0.00	0.0	7.973	0.101	0	0	0	3	L
L PC-143489	PC-168927	C	4 ACSR	7.00Y	116.7	0.01	9.30	2.07	1	14	4	96	0.00	0.0	8.090	0.117	0	0	0	2	L
L PC-161502	PC-143489	C	4 ACSR	7.00Y	116.7	0.01	9.32	2.07	1	14	4	96	0.00	0.0	8.206	0.116	0	0	0	2	L
L PC-145891	PC-161502	C	4 ACSR	7.00Y	116.7	0.01	9.32	1.45	1	10	3	96	0.00	0.0	8.317	0.112	0	0	0	1	L
L PC-160993	PC-145891	C	4 ACSR	7.00Y	116.7	0.01	9.33	1.45	1	10	3	96	0.00	0.0	8.410	0.092	0	0	0	1	L
L PC-155967	PC-160993	C	4 ACSR	7.00Y	116.7	0.00	9.33	0.00	0	0	0	100	0.00	0.0	8.447	0.037	0	0	0	0	L
L PC-144143	PC-155967	C	4 ACSR	7.00Y	116.7	0.00	9.33	0.00	0	0	0	100	0.00	0.0	8.500	0.053	0	0	0	0	L
L PC-150653	PC-144143	C	4 ACSR	7.00Y	116.7	0.00	9.33	0.00	0	0	0	100	0.00	0.0	8.546	0.046	0	0	0	0	L
L PC-157745	PC-150653	C	1/0 URD PR	7.00Y	116.7	0.00	9.33	0.00	0	0	0	100	0.00	0.0	8.550	0.004	0	0	0	0	L
L PC-158852	PC-157745	C	1/0 URD PR	7.00Y	116.7	0.00	9.33	0.00	0	0	0	100	0.00	0.0	8.677	0.127	0	0	0	0	L
L PC-144140	PC-160993	C	4 ACSR	7.00Y	116.7	0.01	9.34	1.45	1	10	3	96	0.00	0.0	8.506	0.097	0	0	0	1	L
L PC-163826	PC-145510	ABC	4 ACSR	7.02Y	117.0	0.10	9.01	29.60	21	603	160	97	0.48	0.1	8.941	0.082	0	0	0	184	L
L PC-163827	PC-163826	ABC	4 ACSR	7.01Y	116.8	0.16	9.18	29.58	21	602	159	97	0.83	0.1	9.081	0.141	0	0	0	183	L
L PC-163828	PC-163827	ABC	4 ACSR	7.01Y	116.8	0.04	9.22	29.51	21	600	159	97	0.22	0.0	9.119	0.038	0	0	0	180	L
L PC-143716	PC-163828	ABC	4 ACSR	7.01Y	116.8	0.00	9.22	12.12	9	247	64	97	0.01	0.0	9.125	0.006	0	0	0	74	L
L PC-142300	PC-143716	ABC	4 ACSR	7.00Y	116.7	0.05	9.28	12.12	9	247	64	97	0.11	0.0	9.234	0.110	0	0	0	74	L
L PC-143950	PC-142300	ABC	4 ACSR	7.00Y	116.7	0.07	9.34	12.12	9	246	64	97	0.14	0.1	9.372	0.138	0	0	0	74	L
L PC-164043	PC-143950	ABC	4 ACSR	7.00Y	116.6	0.04	9.39	11.70	8	238	62	97	0.08	0.0	9.464	0.091	0	0	0	72	L
L PC-141449	PC-164043	ABC	4 ACSR	6.99Y	116.6	0.03	9.42	11.70	8	238	62	97	0.07	0.0	9.537	0.073	0	0	0	72	L
L PC-163746	PC-141449	ABC	4 ACSR	6.99Y	116.5	0.03	9.45	11.70	8	238	62	97	0.07	0.0	9.609	0.072	0	0	0	72	L
L PC-146489	PC-163746	ABC	4 ACSR	6.99Y	116.5	0.05	9.51	11.70	8	237	62	97	0.11	0.0	9.725	0.116	0	0	0	72	L
L PC-143720	PC-146489	ABC	4 ACSR	6.99Y	116.5	0.04	9.55	11.70	8	237	62	97	0.08	0.0	9.809	0.084	0	0	0	72	L
L PC-142912	PC-143720	ABC	4 ACSR	6.98Y	116.4	0.04	9.59	11.70	8	237	62	97	0.08	0.0	9.893	0.084	0	0	0	72	L
L PC-163960	PC-142912	ABC	4 ACSR	6.98Y	116.4	0.05	9.63	11.30	8	229	60	97	0.09	0.0	10.000	0.106	0	0	0	70	L
L PC-145084	PC-163960	ABC	4 ACSR	6.98Y	116.3	0.07	9.70	11.30	8	229	60	97	0.13	0.1	10.153	0.153	0	0	0	70	L
L PC-163831	PC-145084	ABC	4 ACSR	6.98Y	116.3	0.03	9.73	11.30	8	229	60	97	0.05	0.0	10.212	0.059	0	0	0	70	L
L PC-163823	PC-163831	ABC	4 ACSR	6.97Y	116.2	0.03	9.76	11.30	8	229	60	97	0.05	0.0	10.273	0.061	0	0	0	70	L
L PC-163961	PC-163823	ABC	4 ACSR	6.97Y	116.2	0.03	9.78	11.30	8	229	60	97	0.06	0.0	10.339	0.067	0	0	0	70	L
L PC-163822	PC-163961	A	4 ACSR	6.97Y	116.2	0.00	9.79	0.43	0	3	1	95	0.00	0.0	10.388	0.049	0	0	0	1	L
L PC-163821	PC-163961	ABC	4 ACSR	6.97Y	116.2	0.05	9.83	11.16	8	226	59	97	0.09	0.0	10.449	0.110	0	0	0	69	L
L PC-150249	PC-163821	ABC	4 ACSR	6.97Y	116.1	0.02	9.86	11.16	8	226	59	97	0.05	0.0	10.505	0.056	0	0	0	69	L

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

Balanced Voltage Drop Report
Source: FOUR_OAKS

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\BASE WINTER SUB ALLOCATION.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L PC-153518	PC-150249	ABC	4 ACSR	6.97Y	116.1	0.04	9.90	11.16	8	226	59	97	0.08	0.0	10.598	0.093	0	0	0	69	L
L PC-145258	PC-153518	ABC	4 ACSR	6.96Y	116.1	0.02	9.92	11.16	8	226	59	97	0.04	0.0	10.651	0.053	0	0	0	68	L
L PC-173180	PC-145258	ABC	4 ACSR	6.96Y	116.0	0.04	9.97	11.16	8	226	59	97	0.08	0.0	10.750	0.098	0	0	0	68	L
L PC-173181	PC-173180	A	4 ACSR	6.96Y	116.0	0.00	9.97	0.43	0	3	1	95	0.00	0.0	10.790	0.041	0	0	0	3	L
L PC-145533	PC-173180	ABC	4 ACSR	6.96Y	116.0	0.03	9.99	11.01	8	223	58	97	0.05	0.0	10.807	0.058	0	0	0	65	L
L PC-163838	PC-145533	ABC	4 ACSR	6.96Y	116.0	0.03	10.02	11.01	8	223	58	97	0.06	0.0	10.880	0.073	0	0	0	65	L
L PC-164084	PC-163838	ABC	4 ACSR	6.96Y	115.9	0.03	10.05	9.42	7	190	49	97	0.04	0.0	10.954	0.074	0	0	0	54	L
L PC-145500	PC-164084	ABC	4 ACSR	6.95Y	115.9	0.04	10.09	9.42	7	190	49	97	0.06	0.0	11.058	0.104	0	0	0	53	L
L PC-146636	PC-145500	ABC	4 ACSR	6.95Y	115.9	0.04	10.13	9.42	7	190	49	97	0.07	0.0	11.178	0.120	0	0	0	53	L
L PC-156437	PC-146636	A	6 ACWC	6.95Y	115.9	0.01	10.14	2.82	2	19	5	97	0.00	0.0	11.259	0.081	0	0	0	3	L
L PC-156433	PC-156437	A	6 ACWC	6.95Y	115.8	0.01	10.16	2.82	2	19	5	97	0.00	0.0	11.340	0.081	0	0	0	3	L
L PC-181120	PC-156433	A	6 ACWC	6.95Y	115.8	0.01	10.16	2.82	2	19	5	97	0.00	0.0	11.389	0.049	0	0	0	3	L
L PC-181119	PC-181120	A	6 ACWC	6.95Y	115.8	0.00	10.17	2.82	2	19	5	97	0.00	0.0	11.420	0.032	0	0	0	3	L
L PC-145177	PC-181119	A	4 ACSR	6.95Y	115.8	0.00	10.17	0.93	1	6	2	95	0.00	0.0	11.444	0.024	0	0	0	2	L
L PC-146865	PC-145177	A	4 ACSR	6.95Y	115.8	0.00	10.17	0.93	1	6	2	95	0.00	0.0	11.559	0.115	0	0	0	2	L
L PC-145034	PC-146865	A	4 ACSR	6.95Y	115.8	0.00	10.17	0.93	1	6	2	95	0.00	0.0	11.611	0.053	0	0	0	2	L
L PC-174335	PC-145034	A	4 ACSR	6.95Y	115.8	0.00	10.18	0.93	1	6	2	95	0.00	0.0	11.666	0.054	0	0	0	1	L
L PC-156438	PC-174335	A	4 ACSR	6.95Y	115.8	0.00	10.18	0.93	1	6	2	95	0.00	0.0	11.736	0.071	0	0	0	1	L
L PC-177399	PC-156438	A	4 ACSR	6.95Y	115.8	0.00	10.18	0.00	0	0	0	100	0.00	0.0	11.809	0.072	0	0	0	0	L
L PC-145001	PC-181119	A	4 ACSR	6.95Y	115.8	0.00	10.17	1.89	1	13	3	97	0.00	0.0	11.443	0.022	0	0	0	1	L
L PC-146395	PC-146636	ABC	4 ACSR	6.95Y	115.8	0.02	10.16	8.48	6	171	44	97	0.03	0.0	11.240	0.062	0	0	0	50	L
L PC-145792	PC-146395	A	4 ACSR	6.95Y	115.8	0.00	10.16	0.00	0	0	0	100	0.00	0.0	11.314	0.074	0	0	0	0	L
L PC-142763	PC-146395	ABC	4 ACSR	6.95Y	115.8	0.03	10.18	8.48	6	171	44	97	0.04	0.0	11.317	0.077	0	0	0	50	L
L PC-144372	PC-142763	ABC	4 ACSR	6.95Y	115.8	0.04	10.22	8.19	6	165	43	97	0.05	0.0	11.436	0.119	0	0	0	49	L
L PC-144331	PC-144372	ABC	4 ACSR	6.94Y	115.7	0.03	10.25	8.19	6	165	43	97	0.05	0.0	11.536	0.100	0	0	0	49	L
L PC-143771	PC-144331	ABC	4 ACSR	6.94Y	115.7	0.01	10.27	7.99	6	161	42	97	0.02	0.0	11.579	0.043	0	0	0	48	L
L PC-144334	PC-143771	C	4 ACSR	6.94Y	115.7	0.00	10.27	0.00	0	0	0	100	0.00	0.0	11.644	0.065	0	0	0	0	L
L PC-145293	PC-143771	ABC	4 ACSR	6.94Y	115.7	0.03	10.30	7.99	6	161	42	97	0.05	0.0	11.688	0.108	0	0	0	48	L
L PC-156672	PC-145293	ABC	4 ACSR	6.94Y	115.7	0.02	10.32	7.80	6	157	41	97	0.02	0.0	11.736	0.049	0	0	0	47	L
L PC-156673	PC-156672	B	6 ACWC	6.94Y	115.7	0.00	10.32	0.67	0	4	1	97	0.00	0.0	11.839	0.103	0	0	0	2	L
L PC-145292	PC-156673	B	6 ACWC	6.94Y	115.7	0.00	10.32	0.67	0	4	1	97	0.00	0.0	11.947	0.108	0	0	0	2	L
L PC-146479	PC-145292	B	6 ACWC	6.94Y	115.7	0.00	10.32	0.67	0	4	1	97	0.00	0.0	11.999	0.052	0	0	0	2	L
L PC-143770	PC-146479	B	6 ACWC	6.94Y	115.7	0.00	10.33	0.67	0	4	1	97	0.00	0.0	12.089	0.090	0	0	0	2	L
L PC-144373	PC-143770	B	6 ACWC	6.94Y	115.7	0.00	10.33	0.67	0	4	1	97	0.00	0.0	12.179	0.090	0	0	0	2	L
L PC-153936	PC-144373	B	1/0 URD PR	6.94Y	115.7	0.00	10.33	0.01	0	0	0	100	0.00	0.0	12.276	0.097	0	0	0	1	L
L PC-153867	PC-153936	B	1/0 URD PR	6.94Y	115.7	0.00	10.33	0.01	0	0	0	100	0.00	0.0	12.394	0.118	0	0	0	1	L
L PC-163659	PC-153867	B	1/0 URD PR	6.94Y	115.7	0.00	10.33	0.01	0	0	0	100	0.00	0.0	12.513	0.119	0	0	0	1	L
L PC-153866	PC-163659	B	1/0 URD PR	6.94Y	115.7	0.00	10.33	0.01	0	0	0	100	0.00	0.0	12.549	0.036	0	0	0	1	L
L PC-144415	PC-156672	ABC	4 ACSR	6.94Y	115.7	0.02	10.34	7.57	5	153	40	97	0.03	0.0	11.811	0.075	0	0	0	45	L
L PC-164080	PC-144415	ABC	4 ACSR	6.94Y	115.6	0.03	10.37	7.57	5	153	40	97	0.04	0.0	11.911	0.099	0	0	0	45	L
L PC-163963	PC-164080	A	4 ACSR	6.94Y	115.6	0.00	10.37	8.92	6	60	16	97	0.00	0.0	11.916	0.006	0	0	0	19	L
L D4857	PC-163963	A	REC_35_UNK	6.94Y	115.6	0.00	10.37	8.92	0	60	16	97	0.00	0.0	11.916	0.006	0	0	0	19	L
L PC-150043	D4857	A	4 ACSR	6.93Y	115.6	0.06	10.43	8.92	6	60	16	97	0.03	0.0	12.064	0.147	0	0	0	19	L
L PC-164128	PC-150043	A	4 ACSR	6.93Y	115.5	0.05	10.48	8.15	6	55	14	97	0.02	0.0	12.197	0.133	0	0	0	18	L
L PC-145450	PC-164128	A	4 ACSR	6.93Y	115.4	0.08	10.56	8.15	6	55	14	97	0.03	0.1	12.397	0.200	0	0	0	18	L
L PC-164086	PC-145450	A	4 ACSR	6.92Y	115.4	0.04	10.60	8.15	6	55	14	97	0.02	0.0	12.506	0.110	0	0	0	18	L
L PC-163840	PC-164086	A	4 ACSR	6.92Y	115.4	0.02	10.62	8.15	6	55	14	97	0.01	0.0	12.563	0.057	0	0	0	18	L
L PC-145818	PC-163840	A	4 ACSR	6.92Y	115.4	0.02	10.64	8.15	6	55	14	97	0.01	0.0	12.623	0.060	0	0	0	18	L
L PC-181189	PC-145818	A	4 ACSR	6.92Y	115.3	0.03	10.67	8.15	6	55	14	97	0.01	0.0	12.694	0.071	0	0	0	18	L
L PC-181188	PC-181189	A	4 ACSR	6.92Y	115.3	0.01	10.68	8.15	6	55	14	97	0.01	0.0	12.731	0.037	0	0	0	18	L
L PC-173101	PC-181188	A	4 ACSR	6.92Y	115.3	0.01	10.69	4.07	3	27	7	97	0.00	0.0	12.774	0.043	0	0	0	9	L
L PC-166877	PC-173101	A	4 ACSR	6.92Y	115.3	0.01	10.70	4.07	3	27	7	97	0.00	0.0	12.842	0.068	0	0	0	9	L
L PC-173102	PC-166877	A	4 ACSR	6.92Y	115.3	0.02	10.72	4.07	3	27	7	97	0.00	0.0	12.936	0.095	0	0	0	9	L
L PC-167925	PC-173102	A	4 ACSR	6.92Y	115.3	0.01	10.73	1.45	1	10	3	96	0.00	0.0	13.038	0.101	0	0	0	2	L
L PC-146835	PC-167925	A	4 ACSR	6.92Y	115.3	0.00	10.73	0.27	0	2	0	100	0.00	0.0	13.062	0.024	0	0	0	1	L
L PC-156831	PC-146835	A	4 ACSR	6.92Y	115.3	0.00	10.73	0.27	0	2	0	100	0.00	0.0	13.104	0.042	0	0	0	1	L
L PC-143285	PC-167925	A	4 ACSR	6.92Y	115.3	0.00	10.73	1.18	1	8	2	97	0.00	0.0	13.072	0.034	0	0	0	1	L
L PC-167924	PC-173102	A	4 ACSR	6.92Y	115.3	0.01	10.73	2.62	2	18	5	96	0.00	0.0	12.993	0.056	0	0	0	6	L
L PC-145522	PC-167924	A	4 ACSR	6.92Y	115.3	0.00	10.73	1.41	1	9	2	98	0.00	0.0	13.009	0.016	0	0	0	4	L
L PC-163921	PC-145522	A	4 ACSR	6.92Y	115.3	0.00	10.73	1.41	1	9	2	98	0.00	0.0	13.026	0.017	0	0	0	4	L
L PC-173183	PC-163921	A	4 ACSR	6.92Y	115.3	0.01	10.73	1.32	1	9	2	98	0.00	0.0	13.113	0.088	0	0	0	3	L
L PC-146648	PC-173183	A	4 ACSR	6.92Y	115.3	0.01	10.74	1.32	1	9	2	98	0.00	0.0	13.212	0.099	0	0	0	2	L
L PC-173182	PC-146648	A	4 ACSR	6.92Y	115.3	0.00	10.74	0.95	1	6	2	95	0.00	0.0	13.258	0.046	0	0	0	1	L
L PC-153490	PC-173182	A	4 ACSR	6.92Y	115.3	0.00	10.75	0.95	1	6	2	95	0.00	0.0	13.350	0.092	0	0	0	1	L
L PC-144392	PC-153490	A	4 ACSR	6.92Y	115.3	0.00	10.75	0.95	1	6	2	95	0.00	0.0	13.399	0.049	0	0	0	1	L
L PC-146481	PC-144392	A	4 ACSR	6.91Y	115.2	0.00	10.75	0.95	1	6	2	95	0.00	0.0	13.455	0.056	0	0	0	1	L
L PC-153463	PC-146481	A	4 ACSR	6.91Y	115.2	0.00	10.75	0.00	0	0	0	100	0.00	0.0	13.475	0.021	0	0	0	0	L
L PC-143914	PC-153463	A	4 ACSR	6.91Y	115.2	0.00	10.75	0.00	0	0	0	100	0.00	0.0	13.507	0.032	0	0	0	0	L
L PC-156761	PC-163921	A	2 ACSR	6.92Y	115.3	0.00	10.73	0.09	0	1	0	100	0.00	0.0	13.044	0.019	0	0	0	1	L
L PC-166878	PC-173102	A	2 ACSR	6.92Y	115.3	0.00	10.72	0.00	0	0	0	100	0.00	0.0	12.974	0.037	0	0	0	1	L
L PC-168520	PC-166878	A	2 ACSR	6.92Y	115.3	0.00	10.72	0.00	0	0	0	100	0.00	0.0	13.006	0.032	0	0	0	1	L
L PC-166889	PC-168520	A	2 ACSR	6.92Y	115.3	0.00	10.72	0.00	0	0	0	100	0.00	0.0	13.010	0.004	0	0	0	1	L
L D101063	PC-166889	A	<NULL>	6.92Y	115.3	0.00	10.72	0.00	0	0	0	100	0.00	0.0	13.010	0.004	0	0	0	1	L
L PC-168521	D101063	A	1/0 URD PR	6.92Y	115.3	0.00	10.72	0.00	0	0	0	100	0.00	0.0	13.080	0.070	0	0	0	1	L
L PC-143886	PC-181188	A	4 ACSR	6.92Y	115.3	0.02	10.70	4.08	3	27	7	97	0.00	0.0	12.847	0.117	0	0	0	9	L
L PC-144523	PC-143886	A	4 ACSR	6.92Y	115.3	0.01	10.72	4.08	3	27	7	97	0.00	0.0	12.923	0.076	0	0	0	9	L
L PC-150610	PC-144523	A	4 ACSR	6.92Y	115.3	0.01	10.73	4.08	3	27	7	97	0.00	0.0	12.973	0.050	0	0	0	9	L
L PC-156811	PC-150610	A	4 ACSR	6.92Y	115.3	0.02	10.75	4.08	3	27	7	97	0.00	0.0	13.075	0.101	0	0	0	9	L
L PC-156812	PC-156811	A	4 ACSR	6.92Y	115.3	0.00	10.75	0.00	0	0	0	100	0.00	0.0	13.127	0.053	0	0	0	1	L
L PC-148948	PC-156811	A	4 ACSR	6.91Y	115.2	0.01	10.76	4.08	3	27	7	97	0.00	0.0	13.139	0.064	0	0	0	8	L

Balanced Voltage Drop Report
Source: FOUR_OAKS

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\BASE WINTER SUB ALLOCATION.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L PC-152635	PC-148948	A	4 ACSR	6.91Y	115.2	0.01	10.76	4.08	3	27	7	97	0.00	0.0	13.174	0.035	0	0	0	8	L
L PC-145229	PC-152635	A	4 ACSR	6.91Y	115.2	0.00	10.76	0.00	0	0	0	100	0.00	0.0	13.240	0.066	0	0	0	1	L
L PC-147013	PC-145229	A	4 ACSR	6.91Y	115.2	0.00	10.76	0.00	0	0	0	100	0.00	0.0	13.340	0.101	0	0	0	1	L
L PC-145228	PC-152635	A	4 ACSR	6.91Y	115.2	0.02	10.78	3.39	2	23	6	97	0.00	0.0	13.278	0.104	0	0	0	6	L
L PC-138298	PC-145228	A	4 ACSR	6.91Y	115.2	0.02	10.80	3.39	2	23	6	97	0.00	0.0	13.413	0.135	0	0	0	6	L
L PC-139578	PC-138298	A	4 ACSR	6.91Y	115.2	0.01	10.81	3.39	2	23	6	97	0.00	0.0	13.457	0.044	0	0	0	6	L
L PC-164133	PC-139578	A	4 ACSR	6.91Y	115.2	0.02	10.83	3.22	2	22	6	96	0.00	0.0	13.581	0.124	0	0	0	5	L
L PC-164054	PC-164133	A	4 ACSR	6.91Y	115.2	0.02	10.84	2.90	2	19	5	97	0.00	0.0	13.698	0.117	0	0	0	4	L
L PC-164091	PC-164054	A	4 ACSR	6.91Y	115.1	0.01	10.85	2.90	2	19	5	97	0.00	0.0	13.777	0.079	0	0	0	4	L
L PC-164138	PC-164091	A	4 ACSR	6.91Y	115.1	0.02	10.88	2.90	2	19	5	97	0.00	0.0	13.939	0.163	0	0	0	4	L
L PC-164096	PC-164138	A	4 ACSR	6.91Y	115.1	0.02	10.89	2.61	2	17	5	96	0.00	0.0	14.071	0.132	0	0	0	3	L
L PC-150606	PC-164096	A	4 ACSR	6.91Y	115.1	0.01	10.90	2.61	2	17	5	96	0.00	0.0	14.118	0.047	0	0	0	3	L
L PC-141433	PC-150606	A	4 ACSR	6.91Y	115.1	0.00	10.90	2.61	2	17	5	96	0.00	0.0	14.144	0.026	0	0	0	3	L
L PC-144881	PC-141433	A	4 ACSR	6.91Y	115.1	0.01	10.91	2.61	2	17	5	96	0.00	0.0	14.225	0.081	0	0	0	3	L
L PC-155383	PC-144881	A	4 ACSR	6.90Y	115.1	0.01	10.92	2.58	2	17	4	97	0.00	0.0	14.290	0.065	0	0	0	2	L
L PC-143851	PC-155383	A	4 ACSR	6.90Y	115.1	0.01	10.93	2.58	2	17	4	97	0.00	0.0	14.395	0.105	0	0	0	2	L
L PC-153416	PC-143851	A	4 ACSR	6.90Y	115.1	0.01	10.94	2.58	2	17	4	97	0.00	0.0	14.452	0.058	0	0	0	2	L
L PC-160531	PC-153416	A	4 ACSR	6.90Y	115.1	0.01	10.94	2.58	2	17	4	97	0.00	0.0	14.515	0.063	0	0	0	2	L
L PC-161100	PC-160531	A	4 ACSR	6.90Y	115.0	0.01	10.96	2.58	2	17	4	97	0.00	0.0	14.629	0.113	0	0	0	2	L
L PC-161102	PC-161100	A	4 ACSR	6.90Y	115.0	0.01	10.96	1.62	1	11	3	96	0.00	0.0	14.723	0.095	0	0	0	1	L
L PC-161101	PC-161100	A	4 ACSR	6.90Y	115.0	0.00	10.96	0.95	1	6	2	95	0.00	0.0	14.675	0.046	0	0	0	1	L
L PC-150607	PC-164138	A	4 ACSR	6.91Y	115.1	0.00	10.88	0.28	0	2	0	100	0.00	0.0	14.012	0.072	0	0	0	1	L
L PC-164137	PC-150607	A	4 ACSR	6.91Y	115.1	0.00	10.88	0.28	0	2	0	100	0.00	0.0	14.041	0.030	0	0	0	1	L
L PC-143888	PC-139578	A	4 ACSR	6.91Y	115.2	0.00	10.81	0.00	0	0	0	100	0.00	0.0	13.497	0.040	0	0	0	0	L
L PC-142770	PC-143888	A	4 ACSR	6.91Y	115.2	0.00	10.81	0.00	0	0	0	100	0.00	0.0	13.645	0.148	0	0	0	0	L
L PC-150626	PC-150043	A	4 ACSR	6.93Y	115.6	0.00	10.43	0.76	1	5	1	98	0.00	0.0	12.128	0.064	0	0	0	1	L
L PC-163962	PC-164080	C	4 ACSR	6.94Y	115.6	0.00	10.37	1.00	1	7	2	96	0.00	0.0	11.958	0.047	0	0	0	1	L
L PC-145521	PC-164080	ABC	4 ACSR	6.94Y	115.6	0.02	10.39	4.27	3	86	22	97	0.02	0.0	12.036	0.126	0	0	0	25	L
L PC-164081	PC-145521	ABC	4 ACSR	6.94Y	115.6	0.01	10.40	3.90	3	79	20	97	0.01	0.0	12.118	0.081	0	0	0	24	L
L PC-136340	PC-164081	ABC	4 ACSR	6.94Y	115.6	0.01	10.42	3.50	2	70	18	97	0.01	0.0	12.223	0.105	0	0	0	22	L
L PC-164045	PC-136340	ABC	4 ACSR	6.93Y	115.6	0.00	10.42	2.30	2	46	12	97	0.00	0.0	12.268	0.045	0	0	0	13	L
L PC-163748	PC-164045	A	4 ACSR	6.93Y	115.6	0.00	10.42	1.76	1	12	3	97	0.00	0.0	12.273	0.006	0	0	0	2	L
L PC-143368	PC-163748	A	4 ACSR	6.93Y	115.6	0.01	10.43	1.76	1	12	3	97	0.00	0.0	12.363	0.089	0	0	0	2	L
L PC-143921	PC-143368	A	4 ACSR	6.93Y	115.6	0.00	10.43	0.91	1	6	2	95	0.00	0.0	12.427	0.065	0	0	0	1	L
L PC-138514	PC-164045	ABC	4 ACSR	6.93Y	115.6	0.01	10.43	1.64	1	33	9	96	0.00	0.0	12.420	0.152	0	0	0	10	L
L PC-173162	PC-138514	ABC	4 ACSR	6.93Y	115.6	0.00	10.44	1.06	1	21	6	96	0.00	0.0	12.535	0.115	0	0	0	5	L
L PC-144630	PC-173162	ABC	4 ACSR	6.93Y	115.6	0.00	10.44	0.95	1	19	5	97	0.00	0.0	12.635	0.100	0	0	0	4	L
L PC-164129	PC-144630	ABC	4 ACSR	6.93Y	115.6	0.00	10.44	0.95	1	19	5	97	0.00	0.0	12.715	0.080	0	0	0	4	L
L PC-164087	PC-164129	A	4 ACSR	6.93Y	115.6	0.00	10.44	1.21	1	8	2	97	0.00	0.0	12.763	0.048	0	0	0	2	L
L PC-146352	PC-164087	A	4 ACSR	6.93Y	115.6	0.00	10.45	1.21	1	8	2	97	0.00	0.0	12.816	0.052	0	0	0	2	L
L PC-145562	PC-146352	A	4 ACSR	6.93Y	115.6	0.00	10.45	1.21	1	8	2	97	0.00	0.0	12.844	0.028	0	0	0	2	L
L PC-144464	PC-145562	A	4 ACSR	6.93Y	115.5	0.00	10.45	1.15	1	8	2	97	0.00	0.0	12.896	0.053	0	0	0	1	L
L PC-144465	PC-164129	ABC	4 ACSR	6.93Y	115.6	0.00	10.44	0.55	0	11	3	96	0.00	0.0	12.829	0.114	0	0	0	2	L
L PC-164139	PC-144465	ABC	4 ACSR	6.93Y	115.6	0.00	10.45	0.55	0	11	3	96	0.00	0.0	12.927	0.098	0	0	0	2	L
L PC-164097	PC-164139	ABC	4 ACSR	6.93Y	115.6	0.00	10.45	0.31	0	6	2	95	0.00	0.0	13.071	0.144	0	0	0	1	L
L PC-147995	PC-164097	ABC	4 ACSR	6.93Y	115.6	0.00	10.45	0.00	0	0	0	100	0.00	0.0	13.143	0.072	0	0	0	0	L
L PC-143415	PC-147995	ABC	4 ACSR	6.93Y	115.6	0.00	10.45	0.00	0	0	0	100	0.00	0.0	13.232	0.089	0	0	0	0	L
L PC-145786	PC-143415	ABC	4 ACSR	6.93Y	115.6	0.00	10.45	0.00	0	0	0	100	0.00	0.0	13.317	0.085	0	0	0	0	L
L S714-B	PC-145786	ABC	Open	6.93Y	115.6	0.00	10.45	0.00	0	0	0	100	0.00	0.0	13.317	0.085	0	0	0	0	L
L PC-145082	PC-164097	A	4 ACSR	6.93Y	115.5	0.00	10.45	0.94	1	6	2	95	0.00	0.0	13.118	0.047	0	0	0	1	L
L PC-138286	PC-173162	A	2 ACSR	6.93Y	115.6	0.00	10.44	0.31	0	2	1	89	0.00	0.0	12.611	0.076	0	0	0	1	L
L PC-173161	PC-138514	A	6 ACWC	6.93Y	115.6	0.00	10.43	0.81	1	5	1	98	0.00	0.0	12.492	0.073	0	0	0	4	L
L PC-143856	PC-173161	A	2 ACSR	6.93Y	115.6	0.00	10.43	0.37	0	3	1	95	0.00	0.0	12.545	0.052	0	0	0	1	L
L PC-145311	PC-143856	A	2 ACSR	6.93Y	115.6	0.00	10.43	0.37	0	3	1	95	0.00	0.0	12.579	0.034	0	0	0	1	L
L PC-136339	PC-136340	C	4 ACSR	6.93Y	115.6	0.00	10.42	3.60	3	24	6	97	0.00	0.0	12.229	0.006	0	0	0	9	L
L PC-136337	PC-136339	C	4 ACSR	6.93Y	115.6	0.02	10.44	3.60	3	24	6	97	0.00	0.0	12.351	0.122	0	0	0	9	L
L PC-156675	PC-136337	C	4 ACSR	6.93Y	115.5	0.02	10.46	3.60	3	24	6	97	0.00	0.0	12.473	0.122	0	0	0	9	L
L PC-146281	PC-156675	C	4 ACSR	6.93Y	115.5	0.03	10.49	3.60	3	24	6	97	0.01	0.0	12.673	0.201	0	0	0	9	L
L PC-145476	PC-146281	C	4 ACSR	6.93Y	115.5	0.01	10.50	3.60	3	24	6	97	0.00	0.0	12.711	0.037	0	0	0	9	L
L PC-145475	PC-145476	C	4 ACSR	6.93Y	115.5	0.01	10.50	3.60	3	24	6	97	0.00	0.0	12.750	0.040	0	0	0	9	L
L PC-145474	PC-145475	C	4 ACSR	6.93Y	115.5	0.02	10.52	3.60	3	24	6	97	0.00	0.0	12.877	0.126	0	0	0	9	L
L PC-164141	PC-145474	C	4 ACSR	6.93Y	115.5	0.02	10.54	2.91	2	20	5	97	0.00	0.0	13.017	0.140	0	0	0	8	L
L PC-163926	PC-164141	C	4 ACSR	6.93Y	115.4	0.01	10.55	2.06	1	14	4	96	0.00	0.0	13.104	0.087	0	0	0	7	L
L PC-145298	PC-163926	C	4 ACSR	6.93Y	115.4	0.00	10.56	2.06	1	14	4	96	0.00	0.0	13.150	0.046	0	0	0	7	L
L PC-150042	PC-145298	C	4 ACSR	6.93Y	115.4	0.02	10.57	1.95	1	13	3	97	0.00	0.0	13.355	0.205	0	0	0	5	L
L PC-146553	PC-150042	C	4 ACSR	6.93Y	115.4	0.00	10.58	1.95	1	13	3	97	0.00	0.0	13.407	0.052	0	0	0	5	L
L PC-142063	PC-146553	C	4 ACSR	6.92Y	115.4	0.01	10.59	1.95	1	13	3	97	0.00	0.0	13.482	0.075	0	0	0	5	L
L PC-161489	PC-142063	C	4 ACSR	6.92Y	115.4	0.01	10.60	1.67	1	11	3	96	0.00	0.0	13.650	0.168	0	0	0	4	L
L PC-161491	PC-161489	C	4 ACSR	6.92Y	115.4	0.00	10.60	0.27	0	2	0	100	0.00	0.0	13.703	0.053	0	0	0	2	L
L PC-161490	PC-161489	C	4 ACSR	6.92Y	115.4	0.00	10.60	0.27	0	2	0	100	0.00	0.0	13.695	0.045	0	0	0	1	L
L PC-140545	PC-161490	C	4 ACSR	6.92Y	115.4	0.00	10.60	0.27	0	2	0	100	0.00	0.0	13.795	0.100	0	0	0	1	L
L PC-152360	PC-140545	C	6 ACWC	6.92Y	115.4	0.00	10.60	0.27	0	2	0	100	0.00	0.0	13.942	0.147	0	0	0	1	L
L PC-171469	PC-152360	C	6 ACWC	6.92Y	115.4	0.00	10.60	0.27	0	2	0	100	0.00	0.0	14.076	0.134	0	0	0	1	L
L PC-146607	PC-171469	C	6 ACWC	6.92Y	115.4	0.00	10.60	0.00	0	0	0	100	0.00	0.0	14.176	0.100	0	0	0	0	L
L PC-171552	PC-146607	C	6 ACWC	6.92Y	115.4	0.00	10.60	0.00	0	0	0	100	0.00	0.0	14.236	0.060	0	0	0	0	L
L PC-145225	PC-171552	C	6 ACWC	6.92Y	115.4	0.00	10.60	0.00	0	0	0	100	0.00	0.0	14.351	0.115	0	0	0	0	L
L PC-144993	PC-145225	C	6 ACWC	6.92Y	115.4	0.00	10.60	0.00	0	0	0	100	0.00	0.0	14.435	0.084	0	0	0	0	L
L PC-139536	PC-144993	C	6 ACWC	6.92Y	115.4	0.00	10.60	0.00	0	0	0	100	0.00	0.0	14.478	0.043	0	0	0	0	L
L PC-136994	PC-161489	C	4 ACSR	6.92Y	115.4	0.00	10.60	1.13	1	8	2	97	0.00	0.0	13.712	0.062	0	0	0	1	L
L PC-143855	PC-142063	C	4 ACSR	6.92Y	115.4	0.00	10.59	0.27	0	2	0	100	0.00	0.0	13.553	0.071	0	0	0	1	L

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

Balanced Voltage Drop Report
Source: FOUR_OAKS

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\BASE WINTER SUB ALLOCATION.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L PC-156678	PC-143855	C	4 ACSR	6.92Y	115.4	0.00	10.59	0.27	0	2	0	100	0.00	0.0	13.606	0.053	0	0	0	1	L
L PC-145575	PC-145298	C	4 ACSR	6.93Y	115.4	0.00	10.56	0.12	0	1	0	100	0.00	0.0	13.251	0.101	0	0	0	2	L
L PC-153493	PC-145575	C	4 ACSR	6.93Y	115.4	0.00	10.56	0.12	0	1	0	100	0.00	0.0	13.320	0.069	0	0	0	2	L
L PC-153491	PC-153493	C	4 ACSR	6.93Y	115.4	0.00	10.56	0.00	0	0	0	100	0.00	0.0	13.370	0.050	0	0	0	1	L
L PC-145574	PC-153491	C	4 ACSR	6.93Y	115.4	0.00	10.56	0.00	0	0	0	100	0.00	0.0	13.426	0.056	0	0	0	1	L
L PC-163834	PC-145521	C	4 ACSR	6.94Y	115.6	0.00	10.39	1.09	1	7	2	96	0.00	0.0	12.042	0.006	0	0	0	1	L
L PC-146551	PC-163834	C	4 ACSR	6.94Y	115.6	0.00	10.39	1.09	1	7	2	96	0.00	0.0	12.084	0.042	0	0	0	1	L
L PC-145572	PC-145293	C	4 ACSR	6.94Y	115.7	0.00	10.30	0.59	0	4	1	97	0.00	0.0	11.738	0.050	0	0	0	1	L
L PC-144394	PC-145572	C	4 ACSR	6.94Y	115.7	0.00	10.30	0.59	0	4	1	97	0.00	0.0	11.768	0.030	0	0	0	1	L
L PC-142438	PC-142763	C	8 ACWC	6.95Y	115.8	0.00	10.19	0.84	1	6	1	99	0.00	0.0	11.401	0.084	0	0	0	1	L
L PC-142288	PC-142438	C	8 ACWC	6.95Y	115.8	0.00	10.19	0.84	1	6	1	99	0.00	0.0	11.462	0.060	0	0	0	1	L
L PC-144928	PC-142288	C	4 ACSR	6.95Y	115.8	0.00	10.19	0.84	1	6	1	99	0.00	0.0	11.514	0.052	0	0	0	1	L
L PC-146373	PC-144928	C	4 ACSR	6.95Y	115.8	0.00	10.19	0.84	1	6	1	99	0.00	0.0	11.586	0.072	0	0	0	1	L
L PC-142951	PC-142288	C	8 ACWC	6.95Y	115.8	0.00	10.19	0.00	0	0	0	100	0.00	0.0	11.528	0.066	0	0	0	0	L
L PC-143579	PC-142951	C	8 ACWC	6.95Y	115.8	0.00	10.19	0.00	0	0	0	100	0.00	0.0	11.607	0.079	0	0	0	0	L
L PC-143349	PC-143579	C	8 ACWC	6.95Y	115.8	0.00	10.19	0.00	0	0	0	100	0.00	0.0	11.699	0.092	0	0	0	0	L
L PC-142273	PC-143349	C	8 ACWC	6.95Y	115.8	0.00	10.19	0.00	0	0	0	100	0.00	0.0	11.778	0.079	0	0	0	0	L
L PC-144601	PC-142273	C	8 ACWC	6.95Y	115.8	0.00	10.19	0.00	0	0	0	100	0.00	0.0	11.872	0.094	0	0	0	0	L
L PC-146304	PC-144601	C	8 ACWC	6.95Y	115.8	0.00	10.19	0.00	0	0	0	100	0.00	0.0	11.971	0.099	0	0	0	0	L
L PC-146349	PC-163838	A	4 ACSR	6.96Y	115.9	0.03	10.05	4.78	3	32	8	97	0.01	0.0	11.002	0.122	0	0	0	11	L
L PC-163837	PC-146349	A	4 ACSR	6.96Y	115.9	0.00	10.05	4.78	3	32	8	97	0.00	0.0	11.008	0.006	0	0	0	11	L
L PC-164083	PC-163837	A	4 ACSR	6.96Y	115.9	0.02	10.07	4.78	3	32	8	97	0.00	0.0	11.085	0.076	0	0	0	11	L
L PC-163836	PC-164083	A	4 ACSR	6.96Y	115.9	0.00	10.07	0.22	0	1	0	100	0.00	0.0	11.175	0.090	0	0	0	1	L
L PC-163965	PC-164083	A	4 ACSR	6.96Y	115.9	0.00	10.07	0.31	0	2	1	89	0.00	0.0	11.109	0.024	0	0	0	1	L
L PC-156776	PC-164083	A	4 ACSR	6.95Y	115.9	0.02	10.09	4.25	3	29	7	97	0.00	0.0	11.182	0.097	0	0	0	9	L
L PC-164082	PC-156776	A	4 ACSR	6.95Y	115.9	0.04	10.13	3.60	3	24	6	97	0.01	0.0	11.432	0.250	0	0	0	8	L
L PC-142410	PC-164082	A	4 ACSR	6.95Y	115.9	0.01	10.14	3.60	3	24	6	97	0.00	0.0	11.513	0.081	0	0	0	8	L
L PC-164095	PC-142410	A	4 ACSR	6.95Y	115.9	0.00	10.14	0.45	0	3	1	95	0.00	0.0	11.586	0.074	0	0	0	1	L
L PC-146604	PC-164095	A	4 ACSR	6.95Y	115.9	0.00	10.15	0.45	0	3	1	95	0.00	0.0	11.700	0.114	0	0	0	1	L
L PC-163922	PC-146604	A	4 ACSR	6.95Y	115.9	0.00	10.15	0.45	0	3	1	95	0.00	0.0	11.820	0.120	0	0	0	1	L
L PC-144447	PC-163922	A	4 ACSR	6.95Y	115.8	0.00	10.15	0.45	0	3	1	95	0.00	0.0	11.928	0.108	0	0	0	1	L
L PC-145646	PC-144447	A	4 ACSR	6.95Y	115.8	0.00	10.15	0.45	0	3	1	95	0.00	0.0	12.026	0.098	0	0	0	1	L
L PC-142424	PC-145646	A	4 ACSR	6.95Y	115.8	0.00	10.16	0.45	0	3	1	95	0.00	0.0	12.204	0.178	0	0	0	1	L
L PC-142133	PC-142424	A	4 ACSR	6.95Y	115.8	0.00	10.16	0.00	0	0	0	100	0.00	0.0	12.282	0.078	0	0	0	0	L
L PC-144880	PC-142410	A	4 ACSR	6.95Y	115.8	0.01	10.15	2.86	2	19	5	97	0.00	0.0	11.594	0.082	0	0	0	6	L
L PC-153510	PC-144880	A	4 ACSR	6.95Y	115.8	0.01	10.17	2.45	2	16	4	97	0.00	0.0	11.703	0.109	0	0	0	5	L
L PC-145909	PC-153510	A	4 ACSR	6.95Y	115.8	0.01	10.18	2.45	2	16	4	97	0.00	0.0	11.802	0.099	0	0	0	5	L
L PC-163964	PC-145909	A	4 ACSR	6.95Y	115.8	0.01	10.19	2.45	2	16	4	97	0.00	0.0	11.921	0.119	0	0	0	5	L
L PC-173178	PC-163964	A	4 ACSR	6.95Y	115.8	0.01	10.20	1.12	1	8	2	97	0.00	0.0	12.023	0.102	0	0	0	3	L
L PC-144280	PC-173178	A	4 ACSR	6.95Y	115.8	0.00	10.20	1.12	1	8	2	97	0.00	0.0	12.110	0.087	0	0	0	3	L
L PC-145528	PC-144280	A	4 ACSR	6.95Y	115.8	0.00	10.20	0.21	0	1	0	100	0.00	0.0	12.165	0.055	0	0	0	2	L
L PC-145328	PC-145528	A	4 ACSR	6.95Y	115.8	0.00	10.20	0.21	0	1	0	100	0.00	0.0	12.249	0.084	0	0	0	2	L
L PC-151523	PC-145328	A	4 ACSR	6.95Y	115.8	0.00	10.20	0.21	0	1	0	100	0.00	0.0	12.341	0.092	0	0	0	2	L
L PC-156741	PC-151523	A	4 ACSR	6.95Y	115.8	0.00	10.20	0.21	0	1	0	100	0.00	0.0	12.441	0.100	0	0	0	2	L
L PC-144448	PC-156741	A	4 ACSR	6.95Y	115.8	0.00	10.20	0.00	0	0	0	100	0.00	0.0	12.486	0.046	0	0	0	1	L
L PC-152296	PC-163964	A	4 ACSR	6.95Y	115.8	0.00	10.19	0.04	0	0	0	100	0.00	0.0	11.978	0.057	0	0	0	1	L
L PC-144828	PC-142410	A	4 ACSR	6.95Y	115.9	0.00	10.14	0.29	0	2	1	89	0.00	0.0	11.584	0.072	0	0	0	1	L
L PC-144377	PC-144828	A	4 ACSR	6.95Y	115.9	0.00	10.14	0.29	0	2	1	89	0.00	0.0	11.687	0.102	0	0	0	1	L
L PC-163835	PC-156776	A	4 ACSR	6.95Y	115.9	0.00	10.09	0.64	0	4	1	97	0.00	0.0	11.246	0.064	0	0	0	1	L
L PC-144375	PC-153518	C	4 ACSR	6.97Y	116.1	0.00	9.90	0.01	0	0	0	100	0.00	0.0	10.642	0.044	0	0	0	1	L
L PC-142271	PC-150249	C	4 ACSR	6.97Y	116.1	0.00	9.86	0.00	0	0	0	100	0.00	0.0	10.574	0.069	0	0	0	0	L
L PC-145489	PC-142912	A	4 ACSR	6.98Y	116.4	0.00	9.59	1.18	1	8	2	97	0.00	0.0	9.984	0.090	0	0	0	2	L
L PC-145193	PC-145489	A	4 ACSR	6.98Y	116.4	0.01	9.60	1.18	1	8	2	97	0.00	0.0	10.089	0.105	0	0	0	2	L
L PC-145834	PC-145193	A	4 ACSR	6.98Y	116.4	0.00	9.60	0.08	0	1	0	100	0.00	0.0	10.095	0.006	0	0	0	1	L
L PC-146515	PC-145834	A	4 ACSR	6.98Y	116.4	0.00	9.60	0.08	0	1	0	100	0.00	0.0	10.158	0.064	0	0	0	1	L
L PC-142911	PC-146515	A	4 ACSR	6.98Y	116.4	0.00	9.60	0.08	0	1	0	100	0.00	0.0	10.191	0.033	0	0	0	1	L
L PC-142139	PC-142911	A	4 ACSR	6.98Y	116.4	0.00	9.60	0.08	0	1	0	100	0.00	0.0	10.256	0.065	0	0	0	1	L
L PC-143715	PC-163828	ABC	4 ACSR	7.01Y	116.8	0.00	9.23	17.39	12	353	94	97	0.01	0.0	9.125	0.006	0	0	0	106	L
L PC-143225	PC-143715	ABC	4 ACSR	7.00Y	116.7	0.03	9.25	17.39	12	353	94	97	0.08	0.0	9.166	0.041	0	0	0	106	L
L PC-144950	PC-143225	ABC	4 ACSR	7.00Y	116.6	0.12	9.37	17.39	12	353	94	97	0.34	0.1	9.335	0.169	0	0	0	106	L
L PC-145428	PC-144950	ABC	4 ACSR	6.99Y	116.5	0.12	9.49	17.39	12	353	94	97	0.36	0.1	9.512	0.176	0	0	0	106	L
L PC-145364	PC-145428	ABC	4 ACSR	6.99Y	116.5	0.06	9.55	17.39	12	352	94	97	0.17	0.0	9.594	0.082	0	0	0	106	L
L PC-152985	PC-145364	ABC	4 ACSR	6.98Y	116.4	0.04	9.59	17.39	12	352	94	97	0.12	0.0	9.655	0.061	0	0	0	106	L
L PC-149259	PC-152985	ABC	4 ACSR	6.98Y	116.3	0.07	9.66	17.39	12	352	94	97	0.21	0.1	9.757	0.102	0	0	0	106	L
L PC-144947	PC-149259	ABC	4 ACSR	6.98Y	116.3	0.05	9.71	17.23	12	349	93	97	0.15	0.0	9.835	0.078	0	0	0	104	L
L PC-142035	PC-144947	ABC	4 ACSR	6.97Y	116.2	0.07	9.78	17.23	12	348	93	97	0.19	0.1	9.931	0.096	0	0	0	104	L
L PC-144486	PC-142035	ABC	4 ACSR	6.97Y	116.2	0.00	9.78	17.23	12	348	93	97	0.01	0.0	9.936	0.005	0	0	0	104	L
L PC-143507	PC-149259	C	4 ACSR	6.98Y	116.3	0.00	9.66	0.49	0	3	1	95	0.00	0.0	9.781	0.024	0	0	0	2	L
L PC-143959	PC-143507	C	4 ACSR	6.98Y	116.3	0.00	9.66	0.49	0	3	1	95	0.00	0.0	9.818	0.037	0	0	0	2	L
L PC-150628	PC-143959	C	4 ACSR	6.98Y	116.3	0.00	9.66	0.48	0	3	1	95	0.00	0.0	9.864	0.045	0	0	0	1	L
L PC-151130	PC-163827	C	4 ACSR	7.01Y	116.8	0.00	9.18	0.16	0	1	0	100	0.00	0.0	9.140	0.058	0	0	0	1	L
L PC-145905	PC-163826	A	4 ACSR	7.02Y	117.0	0.00	9.01	0.07	0	0	0	100	0.00	0.0	8.990	0.049	0	0	0	1	L
---------- Feeder No. 0 (33-114) Beginning with Device 33-114 ----------																					
H PC-159095	FOUR_OAKS	ABC	3/0 ACSR	7.56Y	126.0	-0.00	-0.00	16.28	5	259	-263	-70	0.00	0.0	0.007	0.007	0	0	0	18	H
H PC-143346	PC-159095	ABC	3/0 ACSR	7.56Y	126.0	-0.00	-0.00	16.28	5	259	-264	-70	0.00	0.0	0.011	0.004	0	0	0	18	H
---------- Feeder No. 0 (33-144) Beginning with Device 33-144 ----------																					

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

Balanced Voltage Drop Report
Source: FOUR_OAKS

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\BASE WINTER SUB ALLOCATION.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
H 33-144	PC-143346	ABC	BKR-560-VW	7.56Y	126.0	0.00	-0.00	16.28	0	259	-264	-70	0.00	0.0	0.011	0.004	0	0	0	18	H
H PC-142608	33-144	ABC	4 ACSR	7.56Y	126.0	0.00	-0.00	1.54	1	34	9	97	0.00	0.0	0.017	0.006	0	0	0	8	H
H PC-142633	33-144	A	2 ACSR	7.56Y	126.0	0.00	-0.00	0.91	1	7	2	96	0.00	0.0	0.017	0.006	0	0	0	1	H
H PC-142632	33-144	ABC	3/0 ACSR	7.56Y	126.0	-0.00	-0.00	15.44	5	218	-274	-62	0.01	0.0	0.031	0.020	0	0	0	9	H
H PC-143347	PC-142632	ABC	3/0 ACSR	7.56Y	126.0	-0.00	-0.00	15.44	5	218	-274	-62	0.01	0.0	0.058	0.027	0	0	0	9	H
H PC-144632	PC-143347	ABC	3/0 ACSR	7.56Y	126.0	-0.00	-0.00	15.44	5	218	-274	-62	0.00	0.0	0.064	0.006	0	0	0	9	H
H PC-144927	PC-144632	ABC	3/0 ACSR	7.56Y	126.0	-0.00	-0.00	15.44	5	218	-274	-62	0.00	0.0	0.068	0.004	0	0	0	9	H
H PC-143760	PC-144927	ABC	3/0 ACSR	7.56Y	126.0	-0.00	-0.01	15.44	5	218	-274	-62	0.01	0.0	0.097	0.029	0	0	0	9	H
H PC-146933	PC-143760	ABC	3/0 ACSR	7.56Y	126.0	-0.00	-0.01	15.44	5	218	-274	-62	0.02	0.0	0.145	0.048	0	0	0	9	H
H PC-144811	PC-146933	ABC	3/0 ACSR	7.56Y	126.0	-0.01	-0.02	15.44	5	218	-274	-62	0.03	0.0	0.218	0.073	0	0	0	9	H
H PC-153513	PC-144811	ABC	3/0 ACSR	7.56Y	126.0	-0.00	-0.02	15.44	5	218	-274	-62	0.01	0.0	0.249	0.031	0	0	0	9	H
H PC-153430	PC-153513	ABC	3/0 ACSR	7.56Y	126.0	-0.00	-0.02	15.44	5	218	-274	-62	0.01	0.0	0.285	0.036	0	0	0	9	H
H PC-154205	PC-153430	ABC	3/0 ACSR	7.56Y	126.0	-0.01	-0.03	15.44	5	218	-274	-62	0.03	0.0	0.367	0.082	0	0	0	9	H
H PC-146709	PC-154205	ABC	3/0 ACSR	7.56Y	126.0	-0.00	-0.03	15.44	5	218	-274	-62	0.03	0.0	0.433	0.066	0	0	0	9	H
H PC-156954	PC-146709	ABC	3/0 ACSR	7.56Y	126.0	-0.00	-0.03	15.44	5	218	-274	-62	0.02	0.0	0.491	0.058	0	0	0	9	H
H PC-144076	PC-156954	ABC	3/0 ACSR	7.56Y	126.0	-0.00	-0.04	15.44	5	218	-274	-62	0.02	0.0	0.533	0.042	0	0	0	9	H
H PC-146708	PC-144076	ABC	3/0 ACSR	7.56Y	126.0	-0.00	-0.04	15.44	5	218	-274	-62	0.02	0.0	0.576	0.043	0	0	0	9	H
H PC-146721	PC-146708	ABC	3/0 ACSR	7.56Y	126.0	-0.00	-0.04	15.44	5	218	-274	-62	0.02	0.0	0.633	0.057	0	0	0	9	H
H PC-145037	PC-146721	ABC	3/0 ACSR	7.56Y	126.0	-0.00	-0.05	15.44	5	218	-274	-62	0.03	0.0	0.700	0.067	0	0	0	9	H
H PC-145524	PC-145037	ABC	3/0 ACSR	7.56Y	126.1	-0.00	-0.05	15.44	5	218	-274	-62	0.02	0.0	0.751	0.051	0	0	0	9	H
H PC-144469	PC-145524	ABC	3/0 ACSR	7.56Y	126.1	-0.00	-0.05	15.44	5	218	-274	-62	0.01	0.0	0.779	0.028	0	0	0	9	H
H PC-146247	PC-144469	ABC	3/0 ACSR	7.56Y	126.1	-0.00	-0.06	15.44	5	218	-274	-62	0.02	0.0	0.827	0.048	0	0	0	9	H
H PC-156749	PC-146247	ABC	3/0 ACSR	7.56Y	126.1	-0.00	-0.06	15.44	5	218	-274	-62	0.01	0.0	0.865	0.037	0	0	0	9	H
H PC-144291	PC-156749	ABC	3/0 ACSR	7.56Y	126.1	-0.00	-0.06	15.44	5	218	-274	-62	0.02	0.0	0.921	0.057	0	0	0	9	H
H PC-142643	PC-144291	ABC	3/0 ACSR	7.56Y	126.1	-0.00	-0.07	15.44	5	218	-275	-62	0.02	0.0	0.971	0.050	0	0	0	9	H
H PC-145788	PC-142643	ABC	3/0 ACSR	7.56Y	126.1	-0.00	-0.07	15.44	5	218	-275	-62	0.02	0.0	1.027	0.056	0	0	0	9	H
H PC-157076	PC-145788	ABC	3/0 ACSR	7.56Y	126.1	-0.01	-0.08	15.44	5	218	-275	-62	0.03	0.0	1.100	0.073	0	0	0	9	H
H PC-147367	PC-157076	ABC	3/0 ACSR	7.56Y	126.1	-0.00	-0.08	15.44	5	218	-275	-62	0.02	0.0	1.162	0.062	0	0	0	9	H
H PC-146193	PC-147367	ABC	3/0 ACSR	7.57Y	126.1	-0.01	-0.09	15.44	5	218	-275	-62	0.04	0.0	1.266	0.104	0	0	0	9	H
H PC-155024	PC-146193	ABC	3/0 ACSR	7.57Y	126.1	-0.00	-0.09	15.44	5	218	-275	-62	0.02	0.0	1.315	0.048	0	0	0	9	H
H PC-144116	PC-155024	ABC	3/0 ACSR	7.57Y	126.1	-0.00	-0.10	15.44	5	218	-275	-62	0.02	0.0	1.373	0.058	0	0	0	9	H
H PC-138544	PC-144116	ABC	3/0 ACSR	7.57Y	126.1	-0.01	-0.11	15.44	5	218	-275	-62	0.05	0.0	1.488	0.115	0	0	0	9	H
H PC-154204	PC-138544	ABC	3/0 ACSR	7.57Y	126.1	-0.01	-0.11	15.44	5	218	-275	-62	0.03	0.0	1.561	0.073	0	0	0	9	H
H PC-147666	PC-154204	ABC	3/0 ACSR	7.57Y	126.1	-0.01	-0.12	15.44	5	217	-275	-62	0.03	0.0	1.640	0.079	0	0	0	9	H
H PC-146875	PC-147666	ABC	3/0 ACSR	7.57Y	126.1	-0.01	-0.12	15.44	5	217	-275	-62	0.03	0.0	1.726	0.087	0	0	0	9	H
H PC-144264	PC-146875	ABC	3/0 ACSR	7.57Y	126.1	-0.01	-0.13	15.44	5	217	-275	-62	0.03	0.0	1.803	0.077	0	0	0	9	H
H PC-150326	PC-144264	ABC	3/0 ACSR	7.57Y	126.1	-0.01	-0.13	15.44	5	217	-275	-62	0.03	0.0	1.880	0.077	0	0	0	9	H
H PC-142774	PC-150326	ABC	3/0 ACSR	7.57Y	126.1	-0.01	-0.14	15.44	5	217	-275	-62	0.04	0.0	1.969	0.089	0	0	0	9	H
H PC-145736	PC-142774	ABC	3/0 ACSR	7.57Y	126.1	-0.00	-0.14	15.44	5	217	-275	-62	0.03	0.0	2.032	0.064	0	0	0	9	H
H PC-155030	PC-145736	ABC	3/0 ACSR	7.57Y	126.1	-0.00	-0.15	15.44	5	217	-275	-62	0.02	0.0	2.094	0.062	0	0	0	9	H
H PC-144388	PC-155030	ABC	3/0 ACSR	7.57Y	126.2	-0.00	-0.15	15.44	5	217	-275	-62	0.02	0.0	2.153	0.059	0	0	0	9	H
H PC-144669	PC-144388	ABC	3/0 ACSR	7.57Y	126.2	-0.00	-0.15	15.44	5	217	-275	-62	0.01	0.0	2.184	0.030	0	0	0	9	H
H PC-144390	PC-144669	ABC	3/0 ACSR	7.57Y	126.2	-0.00	-0.16	15.44	5	217	-275	-62	0.03	0.0	2.246	0.062	0	0	0	9	H
H PC-147098	PC-144390	ABC	3/0 ACSR	7.57Y	126.2	-0.01	-0.17	15.44	5	217	-275	-62	0.03	0.0	2.326	0.080	0	0	0	9	H
H PC-147661	PC-147098	ABC	3/0 ACSR	7.57Y	126.2	-0.01	-0.17	15.44	5	217	-275	-62	0.04	0.0	2.415	0.089	0	0	0	9	H
H PC-145099	PC-147661	ABC	3/0 ACSR	7.57Y	126.2	-0.00	-0.18	15.44	5	217	-275	-62	0.02	0.0	2.466	0.052	0	0	0	9	H
H PC-146793	PC-145099	ABC	3/0 ACSR	7.57Y	126.2	-0.00	-0.18	15.44	5	217	-275	-62	0.01	0.0	2.499	0.033	0	0	0	9	H
H PC-148036	PC-146793	ABC	3/0 ACSR	7.57Y	126.2	-0.01	-0.19	15.44	5	217	-275	-62	0.04	0.0	2.605	0.106	0	0	0	9	H
H PC-147852	PC-148036	ABC	3/0 ACSR	7.57Y	126.2	-0.01	-0.19	15.44	5	217	-275	-62	0.03	0.0	2.682	0.076	0	0	0	9	H
H PC-156874	PC-147852	ABC	3/0 ACSR	7.57Y	126.2	-0.00	-0.20	15.44	5	217	-276	-62	0.03	0.0	2.749	0.067	0	0	0	9	H
H PC-144570	PC-156874	ABC	3/0 ACSR	7.57Y	126.2	-0.00	-0.20	15.44	5	217	-276	-62	0.03	0.0	2.813	0.064	0	0	0	9	H
H PC-156406	PC-144570	ABC	3/0 ACSR	7.57Y	126.2	-0.00	-0.20	15.44	5	217	-276	-62	0.01	0.0	2.848	0.035	0	0	0	9	H
H PC-157083	PC-156406	ABC	3/0 ACSR	7.57Y	126.2	-0.00	-0.21	15.36	5	212	-277	-61	0.03	0.0	2.912	0.065	0	0	0	7	H
H PC-157084	PC-157083	ABC	3/0 ACSR	7.57Y	126.2	-0.00	-0.21	15.36	5	212	-277	-61	0.01	0.0	2.933	0.021	0	0	0	7	H
H PC-147371	PC-157084	A	1/0 ACSR	7.57Y	126.2	0.00	-0.21	0.01	0	0	0	100	0.00	0.0	2.938	0.006	0	0	0	1	H
H PC-146574	PC-147371	A	1/0 ACSR	7.57Y	126.2	0.00	-0.21	0.01	0	0	0	100	0.00	0.0	2.972	0.034	0	0	0	1	H
H PC-147446	PC-157084	ABC	2 ACSR	7.57Y	126.2	0.00	-0.21	1.41	1	31	8	97	0.00	0.0	2.958	0.025	0	0	0	4	H
H PC-148050	PC-147446	ABC	2 ACSR	7.57Y	126.2	0.00	-0.21	1.31	1	29	7	97	0.00	0.0	3.017	0.059	0	0	0	2	H
H PC-147443	PC-157084	ABC	3/0 ACSR	7.57Y	126.2	-0.01	-0.22	14.87	5	181	-285	-54	0.03	0.0	3.021	0.089	0	0	0	2	H
H PC-145626	PC-147443	ABC	3/0 ACSR	7.57Y	126.2	-0.00	-0.22	14.85	5	180	-285	-53	0.02	0.0	3.071	0.050	0	0	0	1	H
H PC-156829	PC-145626	ABC	3/0 ACSR	7.57Y	126.2	-0.00	-0.22	14.85	5	180	-285	-53	0.00	0.0	3.076	0.006	0	0	0	1	H
H PC-144430	PC-156829	ABC	3/0 ACSR	7.57Y	126.2	-0.00	-0.22	14.85	5	180	-285	-53	0.00	0.0	3.086	0.009	0	0	0	1	H
H PC-145605	PC-144430	ABC	3/0 ACSR	7.57Y	126.2	-0.01	-0.23	-14.61	5	0	-332	0	0.01	0.0	3.121	0.035	0	0	0	0	H
H C142	PC-145605	ABC	Cap (300)	7.57Y	126.2	0.00	-0.23	-14.61	0	0	-332	0	0.00	0.0	3.121	0.035	0	0	0	0	H
H PC-145603	C142	ABC	3/0 ACSR	7.57Y	126.2	0.00	-0.23	0.00	0	0	0	100	0.00	0.0	3.127	0.006	0	0	0	0	H
H PC-153505	PC-145603	ABC	3/0 ACSR	7.57Y	126.2	0.00	-0.23	0.00	0	0	0	100	0.00	0.0	3.150	0.023	0	0	0	0	H
H PC-146807	PC-144570	ABC	3/0 ACSR	7.57Y	126.2	0.00	-0.20	0.00	0	0	0	100	0.00	0.0	2.870	0.057	0	0	0	0	H
H PC-145600	PC-146807	ABC	3/0 ACSR	7.57Y	126.2	0.00	-0.20	0.00	0	0	0	100	0.00	0.0	2.918	0.049	0	0	0	0	H

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total
KW	6748	80	0	0	0	0	268	0.00	7095
KVAR	1749	21	-645	0	0	0	323		1447

Lowest Voltage = 115.04 on Element PC-161102
Max Accm VoltD = 10.96 on Element PC-161102
Max Elem VoltD = 0.33 on Element PC-150708

Balanced Voltage Drop Report
Source: SOUTH JESSAMINE

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\BASE WINTER SUB ALLOCATION.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
SOUTH JESSAMINE		ABC	SOUTH JESS	7.56Y	126.0	0.00	0.00	784.32	0	17247	4355	97	0.00	0.0	0.000	0.000	0	0	0	2027
---------- Feeder No. 0 (14-104) Beginning with Device 14-104 ----------																				
---------- Feeder No. 0 (14-114) Beginning with Device 14-114 ----------																				
C PC-147778	PC-101089	ABC	4 ACSR	7.39Y	123.2	0.20	2.77	116.63	83	2472	776	95	3.91	0.2	1.888	0.043	0	0	0	401 C
C PC-101540	PC-147778	ABC	4 ACSR	7.38Y	123.0	0.22	2.99	116.60	83	2468	774	95	4.30	0.2	1.935	0.047	0	0	0	400 C
C PC-102224	PC-101540	ABC	4 ACSR	7.37Y	122.8	0.25	3.24	116.60	83	2463	773	95	4.95	0.2	1.989	0.054	0	0	0	400 C
---------- Feeder No. 0 (14-134) Beginning with Device 14-134 ----------																				
---------- Feeder No. 0 (14-144) Beginning with Device 14-144 ----------																				
---------- Feeder No. 0 (14-124) Beginning with Device 14-124 ----------																				

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total
KW	16536	350	0	0	0	0	361	0.00	17247
KVAR	5009	106	-1443	0	0	0	683		4355

Lowest Voltage = 118.56 on Element PC-157269
Max Accm VoltD = 7.44 on Element PC-157269
Max Elem VoltD = 0.25 on Element PC-102224

Balanced Voltage Drop Report
Source: SINAI

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\BASE WINTER SUB ALLOCATION.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
SINAI		ABC	SINAI	7.56Y	126.0	0.00	0.00	403.67	0	9064	1290	99	0.00	0.0	0.000	0.000	0	0	0	2038	
---------- Feeder No. 0 (23-144) Beginning with Device 23-144 ----------																					
---------- Feeder No. 0 (23-134) Beginning with Device 23-134 ----------																					
---------- Feeder No. 0 (23-124) Beginning with Device 23-124 ----------																					
C PC-109368	PC-111265	C	4 ACSR	7.15Y	119.1	0.52	6.91	177.77	127	1248	264	98	5.04	0.4	5.756	0.064	0	0	0	36	C
C PC-106525	PC-109368	C	4 ACSR	7.14Y	119.0	0.05	6.96	177.77	127	1243	261	98	0.45	0.0	5.762	0.006	0	0	0	36	C
C PC-110070	D2174	C	4 ACSR	7.13Y	118.8	0.26	7.22	177.77	127	1243	261	98	2.52	0.2	5.794	0.032	0	0	0	36	C
C PC-111969	PC-110070	C	6 ACWC	7.07Y	117.8	0.98	8.20	177.77	127	1240	260	98	9.50	0.8	5.917	0.123	0	0	0	36	C
L PC-103672	PC-111969	C	6 ACWC	7.02Y	116.9	0.87	9.06	177.77	127	1231	254	98	8.42	0.7	6.025	0.109	0	0	0	36	L
L PC-108004	PC-103672	C	6 ACWC	6.99Y	116.5	0.48	9.55	177.77	127	1222	249	98	4.69	0.4	6.086	0.061	0	0	0	36	L
L PC-108002	PC-108004	C	6 ACWC	6.95Y	115.8	0.64	10.18	177.77	127	1217	246	98	6.18	0.5	6.166	0.080	0	0	0	36	L
L PC-106997	PC-108002	C	6 ACWC	6.90Y	115.1	0.75	10.93	176.55	126	1203	241	98	7.28	0.6	6.261	0.095	0	0	0	34	L
L PC-110771	PC-106997	C	4 ACSR	6.90Y	115.1	0.00	10.93	0.00	0	0	0	100	0.00	0.0	6.319	0.058	0	0	0	0	L
L PC-106865	PC-106997	C	6 ACWC	6.84Y	114.0	1.05	11.98	176.43	126	1195	237	98	10.14	0.8	6.394	0.133	0	0	0	33	L
L PC-118725	PC-106865	C	6 ACWC	6.83Y	113.9	0.11	12.10	176.43	126	1185	231	98	1.11	0.1	6.409	0.015	0	0	0	33	L
L PC-113351	PC-118725	C	6 ACWC	6.78Y	112.9	0.95	13.05	176.14	126	1182	230	98	9.22	0.8	6.530	0.121	0	0	0	32	L
L PC-108730	PC-113351	C	6 ACWC	6.73Y	112.1	0.83	13.88	176.14	126	1172	224	98	8.00	0.7	6.635	0.105	0	0	0	32	L
L PC-111326	PC-108730	C	4 ACSR	6.73Y	112.1	0.00	13.88	0.00	0	0	0	100	0.00	0.0	6.719	0.084	0	0	0	0	L
L PC-110048	PC-108730	C	6 ACWC	6.69Y	111.6	0.56	14.44	176.14	126	1164	220	98	5.43	0.5	6.707	0.071	0	0	0	32	L
L PC-117744	PC-110048	C	6 ACWC	6.65Y	110.8	0.76	15.19	176.14	126	1159	217	98	7.32	0.6	6.803	0.096	0	0	0	32	L
L PC-118196	PC-117744	C	6 ACWC	6.63Y	110.6	0.24	15.44	176.14	126	1152	212	98	2.33	0.2	6.834	0.031	0	0	0	32	L
L PC-110058	PC-118196	C	6 ACWC	6.62Y	110.4	0.19	15.63	176.14	126	1149	211	98	1.86	0.2	6.858	0.025	0	0	0	32	L
L PC-111603	PC-110058	C	6 ACWC	6.60Y	110.0	0.42	16.04	176.03	126	1147	210	98	4.02	0.4	6.911	0.053	0	0	0	31	L
L PC-109562	PC-111603	C	6 ACWC	6.58Y	109.7	0.22	16.26	176.03	126	1143	207	98	2.15	0.2	6.939	0.028	0	0	0	31	L
L PC-113985	PC-109562	C	4 ACSR	6.58Y	109.7	0.00	16.26	0.00	0	0	0	100	0.00	0.0	6.955	0.016	0	0	0	0	L
L PC-111758	PC-113985	C	4 ACSR	6.58Y	109.7	0.00	16.26	0.00	0	0	0	100	0.00	0.0	7.023	0.068	0	0	0	0	L
L PC-107027	PC-111758	C	4 ACSR	6.58Y	109.7	0.00	16.26	0.00	0	0	0	100	0.00	0.0	7.152	0.128	0	0	0	0	L
L PC-107758	PC-107027	C	4 ACSR	6.58Y	109.7	0.00	16.26	0.00	0	0	0	100	0.00	0.0	7.280	0.128	0	0	0	0	L
L PC-113984	PC-109562	C	6 ACWC	6.54Y	108.9	0.81	17.07	176.03	126	1141	206	98	7.86	0.7	7.043	0.104	0	0	0	31	L
L PC-105079	PC-113984	C	6 ACWC	6.47Y	107.8	1.15	18.22	175.63	125	1130	201	98	11.11	1.0	7.190	0.147	0	0	0	30	L
L PC-107597	PC-105079	C	2 ACSR	6.47Y	107.8	0.00	18.22	0.40	0	3	0	100	0.00	0.0	7.223	0.033	0	0	0	1	L
L PC-118565	PC-105079	C	6 ACWC	6.47Y	107.8	0.01	18.23	10.76	8	69	12	99	0.00	0.0	7.207	0.017	0	0	0	23	L
L PC-118278	PC-118565	C	6 ACWC	6.46Y	107.7	0.06	18.29	10.76	8	69	12	99	0.04	0.1	7.332	0.125	0	0	0	23	L
L PC-108268	PC-118278	C	6 ACWC	6.46Y	107.7	0.05	18.34	8.94	6	57	10	98	0.03	0.0	7.462	0.129	0	0	0	20	L
L PC-111176	PC-108268	C	6 ACWC	6.46Y	107.6	0.03	18.37	8.94	6	57	10	98	0.01	0.0	7.537	0.075	0	0	0	20	L
L PC-111175	PC-111176	C	2 ACSR	6.46Y	107.6	0.00	18.37	1.33	1	8	1	99	0.00	0.0	7.558	0.021	0	0	0	1	L
L PC-109076	PC-111176	C	6 ACWC	6.46Y	107.6	0.02	18.39	6.68	5	42	7	99	0.01	0.0	7.596	0.059	0	0	0	18	L
L PC-108747	PC-109076	C	6 ACWC	6.46Y	107.6	0.00	18.39	0.00	0	0	0	100	0.00	0.0	7.686	0.090	0	0	0	0	L
L PC-112183	PC-108747	C	6 ACWC	6.46Y	107.6	0.00	18.39	0.00	0	0	0	100	0.00	0.0	7.765	0.079	0	0	0	0	L
L PC-117546	PC-112183	C	6 ACWC	6.46Y	107.6	0.00	18.39	0.00	0	0	0	100	0.00	0.0	7.879	0.114	0	0	0	0	L
L PC-111967	PC-117546	C	6 ACWC	6.46Y	107.6	0.00	18.39	0.00	0	0	0	100	0.00	0.0	7.988	0.109	0	0	0	0	L
L PC-117792	PC-109076	C	6 ACWC	6.45Y	107.6	0.03	18.42	6.68	5	42	7	99	0.01	0.0	7.707	0.111	0	0	0	18	L
L PC-117761	PC-117792	C	6 ACWC	6.45Y	107.6	0.03	18.45	6.15	4	39	7	98	0.01	0.0	7.819	0.112	0	0	0	17	L
L PC-108729	PC-117761	C	6 ACWC	6.45Y	107.5	0.02	18.47	6.15	4	39	7	98	0.01	0.0	7.894	0.076	0	0	0	17	L
L PC-112186	PC-108729	C	6 ACWC	6.45Y	107.5	0.03	18.50	4.83	3	31	5	99	0.01	0.0	8.024	0.129	0	0	0	16	L
L PC-112732	PC-112186	C	6 ACWC	6.45Y	107.5	0.00	18.50	1.01	1	6	1	99	0.00	0.0	8.118	0.094	0	0	0	5	L
L PC-106340	PC-112732	C	6 ACWC	6.45Y	107.5	0.00	18.51	1.01	1	6	1	99	0.00	0.0	8.229	0.111	0	0	0	4	L
L PC-106207	PC-106340	C	6 ACWC	6.45Y	107.5	0.00	18.51	0.69	0	4	1	97	0.00	0.0	8.319	0.090	0	0	0	3	L
L PC-111320	PC-106207	C	6 ACWC	6.45Y	107.5	0.00	18.51	0.69	0	4	1	97	0.00	0.0	8.381	0.062	0	0	0	3	L
L PC-162433	PC-111320	C	6 ACWC	6.45Y	107.5	0.00	18.51	0.69	0	4	1	97	0.00	0.0	8.475	0.094	0	0	0	3	L
L PC-106277	PC-162433	C	6 ACWC	6.45Y	107.5	0.00	18.52	0.44	0	3	0	100	0.00	0.0	8.595	0.120	0	0	0	2	L
L PC-163197	PC-106277	C	6 ACWC	6.45Y	107.5	0.00	18.52	0.44	0	3	0	100	0.00	0.0	8.680	0.085	0	0	0	2	L
L PC-111003	PC-163197	C	6 ACWC	6.45Y	107.5	0.00	18.52	0.44	0	3	0	100	0.00	0.0	8.807	0.127	0	0	0	2	L
L PC-112056	PC-111003	C	6 ACWC	6.45Y	107.5	0.00	18.52	0.00	0	0	0	100	0.00	0.0	8.866	0.059	0	0	0	0	L
L PC-108427	PC-112056	C	6 ACWC	6.45Y	107.5	0.00	18.52	0.00	0	0	0	100	0.00	0.0	8.872	0.006	0	0	0	0	L
L S516-A	PC-108427	C	Open	6.45Y	107.5	0.00	18.52	0.00	0	0	0	100	0.00	0.0	8.872	0.006	0	0	0	0	L
L PC-105963	PC-111003	C	4 ACSR	6.45Y	107.5	0.00	18.52	0.39	0	2	0	100	0.00	0.0	8.843	0.036	0	0	0	1	L
L PC-109132	PC-105963	C	4 ACSR	6.45Y	107.5	0.00	18.52	0.39	0	2	0	100	0.00	0.0	8.943	0.099	0	0	0	1	L
L PC-117855	PC-106340	C	4 ACSR	6.45Y	107.5	0.00	18.51	0.31	0	2	0	100	0.00	0.0	8.267	0.038	0	0	0	1	L
L PC-117873	PC-112732	C	4 ACSR	6.45Y	107.5	0.00	18.50	0.00	0	0	0	100	0.00	0.0	8.181	0.064	0	0	0	1	L
L PC-112185	PC-112186	C	6 ACWC	6.45Y	107.5	0.02	18.51	3.08	2	20	3	99	0.00	0.0	8.144	0.121	0	0	0	8	L
L PC-109719	PC-112185	C	4 ACSR	6.45Y	107.5	0.00	18.52	0.57	0	4	1	97	0.00	0.0	8.228	0.084	0	0	0	2	L
L PC-115986	PC-109719	C	4 ACSR	6.45Y	107.5	0.00	18.52	0.57	0	4	1	97	0.00	0.0	8.296	0.068	0	0	0	2	L
L PC-105550	PC-115986	C	4 ACSR	6.45Y	107.5	0.00	18.52	0.57	0	4	1	97	0.00	0.0	8.366	0.070	0	0	0	2	L
L PC-118300	PC-105550	C	4 ACSR	6.45Y	107.5	0.00	18.52	0.57	0	4	1	97	0.00	0.0	8.427	0.061	0	0	0	2	L
L PC-109718	PC-112185	C	6 ACWC	6.45Y	107.5	0.01	18.52	2.52	2	16	3	98	0.00	0.0	8.190	0.046	0	0	0	6	L
L PC-106026	PC-109718	C	6 ACWC	6.45Y	107.5	0.01	18.52	2.51	2	16	3	98	0.00	0.0	8.239	0.049	0	0	0	5	L
L PC-104872	PC-106026	C	6 ACWC	6.45Y	107.5	0.00	18.53	0.31	0	2	0	100	0.00	0.0	8.256	0.017	0	0	0	1	L
L PC-110062	PC-104872	C	6 ACWC	6.45Y	107.5	0.00	18.53	0.31	0	2	0	100	0.00	0.0	8.284	0.028	0	0	0	1	L
L PC-117746	PC-106026	C	4 ACSR	6.45Y	107.5	0.00	18.53	1.84	1	12	2	99	0.00	0.0	8.264	0.025	0	0	0	3	L
L PC-111892	PC-117746	C	4 ACSR	6.45Y	107.5	0.00	18.53	0.95	1	6	1	99	0.00	0.0	8.323	0.059	0	0	0	2	L
L PC-108748	PC-111892	C	4 ACSR	6.45Y	107.5	0.00	18.53	0.67	0	4	1	97	0.00	0.0	8.406	0.083	0	0	0	1	L
L PC-117745	PC-117746	C	4 ACSR	6.45Y	107.5	0.00	18.53	0.89	1	6	1	99	0.00	0.0	8.315	0.051	0	0	0	1	L
L PC-111411	PC-112186	C	6 ACWC	6.45Y	107.5	0.00	18.50	0.57	0	4	1	97	0.00	0.0	8.082	0.058	0	0	0	2	L
L PC-171648	PC-111411	C	2 ACSR	6.45Y	107.5	0.00	18.50	0.57	0	4	1	97	0.00	0.0	8.110	0.028	0	0	0	2	L

Balanced Voltage Drop Report
Source: SINAI

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\BASE WINTER SUB ALLOCATION.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L PC-115934	PC-108729	C	2 ACSR	6.45Y	107.5	0.00	18.47	1.31	1	8	1	99	0.00	0.0	7.927	0.032	0	0	0	1	L
L PC-107029	PC-118278	C	4 ACSR	6.46Y	107.7	0.00	18.29	1.19	1	8	1	99	0.00	0.0	7.403	0.071	0	0	0	2	L
L PC-109526	PC-107029	C	4 ACSR	6.46Y	107.7	0.00	18.29	1.06	1	7	1	99	0.00	0.0	7.431	0.027	0	0	0	1	L
L PC-110060	PC-109526	C	4 ACSR	6.46Y	107.7	0.00	18.29	1.06	1	7	1	99	0.00	0.0	7.470	0.040	0	0	0	1	L
L PC-118299	PC-118278	C	4 ACSR	6.46Y	107.7	0.00	18.29	0.63	0	4	1	97	0.00	0.0	7.369	0.037	0	0	0	1	L
L PC-117527	PC-105079	C	4 ACSR	6.43Y	107.1	0.69	18.91	164.47	117	1048	182	99	6.27	0.6	7.283	0.093	0	0	0	6	L
L PC-118102	PC-117527	C	4 ACSR	6.42Y	107.1	0.01	18.92	2.47	2	16	3	98	0.00	0.0	7.368	0.085	0	0	0	4	L
L PC-118546	PC-118102	C	4 ACSR	6.42Y	107.1	0.00	18.92	1.28	1	8	1	99	0.00	0.0	7.418	0.049	0	0	0	1	L
L PC-118545	PC-118102	C	4 ACSR	6.42Y	107.1	0.00	18.92	1.19	1	8	1	99	0.00	0.0	7.455	0.087	0	0	0	3	L
L PC-118148	PC-118545	C	4 ACSR	6.42Y	107.1	0.00	18.92	0.12	0	1	0	100	0.00	0.0	7.547	0.092	0	0	0	2	L
L PC-111313	PC-118148	C	2 ACSR	6.42Y	107.1	0.00	18.92	0.00	0	0	0	100	0.00	0.0	7.583	0.035	0	0	0	1	L
L PC-108992	PC-111313	C	2 ACSR	6.42Y	107.1	0.00	18.92	0.00	0	0	0	100	0.00	0.0	7.662	0.079	0	0	0	1	L
L PC-110019	PC-108992	C	2 ACSR	6.42Y	107.1	0.00	18.92	0.00	0	0	0	100	0.00	0.0	7.714	0.052	0	0	0	1	L
L PC-118183	PC-110019	C	2 ACSR	6.42Y	107.1	0.00	18.92	0.00	0	0	0	100	0.00	0.0	7.827	0.113	0	0	0	1	L
L PC-112725	PC-118725	C	4 ACSR	6.83Y	113.9	0.00	12.10	0.28	0	2	0	100	0.00	0.0	6.451	0.043	0	0	0	1	L
L PC-112188	PC-112725	C	4 ACSR	6.83Y	113.9	0.00	12.10	0.28	0	2	0	100	0.00	0.0	6.494	0.042	0	0	0	1	L
L PC-109908	PC-112725	C	4 ACSR	6.83Y	113.9	0.00	12.10	0.00	0	0	0	100	0.00	0.0	6.527	0.075	0	0	0	0	L
L PC-117912	PC-108112	A	4 ACSR	7.01Y	116.8	0.20	9.17	23.70	17	164	29	98	0.27	0.2	7.713	0.192	0	0	0	38	L
L PC-107632	PC-117912	A	4 ACSR	7.00Y	116.6	0.19	9.36	23.70	17	164	29	98	0.24	0.1	7.887	0.175	0	0	0	38	L
L PC-108934	PC-107632	A	4 ACSR	7.00Y	116.6	0.01	9.37	3.24	2	22	4	98	0.00	0.0	7.986	0.099	0	0	0	5	L
L PC-108452	PC-108934	A	4 ACSR	7.00Y	116.6	0.02	9.39	3.06	2	21	4	98	0.00	0.0	8.105	0.119	0	0	0	3	L
L PC-107926	PC-108452	A	4 ACSR	7.00Y	116.6	0.00	9.39	0.00	0	0	0	100	0.00	0.0	8.161	0.056	0	0	0	0	L
L PC-106021	PC-108452	A	4 ACSR	7.00Y	116.6	0.01	9.39	1.76	1	12	2	99	0.00	0.0	8.186	0.081	0	0	0	2	L
L PC-100744	PC-106021	A	4 ACSR	7.00Y	116.6	0.00	9.39	0.41	0	3	0	100	0.00	0.0	8.204	0.018	0	0	0	1	L
L PC-109626	PC-100744	A	4 ACSR	7.00Y	116.6	0.00	9.39	0.41	0	3	0	100	0.00	0.0	8.247	0.044	0	0	0	1	L
L PC-107968	PC-108934	A	4 ACSR	7.00Y	116.6	0.00	9.37	0.18	0	1	0	100	0.00	0.0	8.062	0.076	0	0	0	2	L
L PC-118025	PC-107632	A	4 ACSR	6.99Y	116.6	0.07	9.42	20.46	15	141	25	98	0.08	0.1	7.962	0.075	0	0	0	33	L
L PC-108820	PC-118025	A	4 ACSR	6.99Y	116.5	0.07	9.50	20.46	15	141	25	98	0.08	0.1	8.042	0.081	0	0	0	33	L
L PC-103808	PC-108820	A	4 ACSR	6.99Y	116.4	0.08	9.57	20.46	15	141	24	99	0.08	0.1	8.124	0.082	0	0	0	33	L
L PC-115959	PC-103808	A	6 ACWC	6.99Y	116.4	0.00	9.58	0.41	0	3	0	100	0.00	0.0	8.243	0.119	0	0	0	2	L
L PC-109934	PC-115959	A	4 ACSR	6.99Y	116.4	0.00	9.58	0.41	0	3	0	100	0.00	0.0	8.329	0.086	0	0	0	2	L
L PC-115350	PC-103808	A	6 ACWC	6.99Y	116.4	0.00	9.57	0.41	0	3	0	100	0.00	0.0	8.198	0.074	0	0	0	2	L
L PC-108377	PC-115350	A	6 ACWC	6.99Y	116.4	0.00	9.57	0.24	0	2	0	100	0.00	0.0	8.205	0.007	0	0	0	1	L
L PC-106445	PC-115350	A	4 ACSR	6.99Y	116.4	0.00	9.58	0.18	0	1	0	100	0.00	0.0	8.270	0.072	0	0	0	1	L
L PC-115349	PC-103808	A	4 ACSR	6.98Y	116.4	0.05	9.62	19.63	14	135	23	99	0.05	0.0	8.181	0.057	0	0	0	29	L
L PC-108684	PC-115349	A	4 ACSR	6.98Y	116.3	0.04	9.66	19.41	14	134	23	99	0.04	0.0	8.222	0.040	0	0	0	28	L
L PC-163496	PC-108684	A	4 ACSR	6.98Y	116.3	0.06	9.72	19.41	14	133	23	99	0.07	0.0	8.291	0.070	0	0	0	28	L
L PC-168081	PC-163496	A	4 ACSR	6.97Y	116.2	0.04	9.76	19.13	14	132	23	99	0.04	0.0	8.335	0.043	0	0	0	27	L
L PC-168356	PC-168081	A	4 ACSR	6.97Y	116.2	0.05	9.81	16.39	12	113	19	99	0.05	0.0	8.409	0.074	0	0	0	24	L
L PC-107443	PC-168356	A	4 ACSR	6.97Y	116.1	0.05	9.86	16.39	12	113	19	99	0.04	0.0	8.472	0.063	0	0	0	24	L
L PC-113880	PC-107443	A	4 ACSR	6.97Y	116.1	0.00	9.86	0.38	0	3	0	100	0.00	0.0	8.536	0.064	0	0	0	1	L
L PC-113879	PC-107443	A	4 ACSR	6.97Y	116.1	0.06	9.91	16.00	11	110	19	99	0.05	0.0	8.551	0.078	0	0	0	23	L
L PC-107710	PC-113879	A	4 ACSR	6.96Y	116.0	0.06	9.98	13.39	10	92	16	99	0.05	0.1	8.655	0.104	0	0	0	19	L
L PC-110927	PC-107710	A	4 ACSR	6.96Y	116.0	0.04	10.02	12.95	9	89	15	99	0.03	0.0	8.727	0.072	0	0	0	18	L
L PC-107560	PC-110927	A	4 ACSR	6.96Y	115.9	0.05	10.07	12.95	9	89	15	99	0.03	0.0	8.808	0.081	0	0	0	18	L
L PC-111082	PC-107560	A	4 ACSR	6.95Y	115.8	0.11	10.17	12.95	9	89	15	99	0.08	0.1	8.991	0.183	0	0	0	18	L
L PC-107842	PC-111082	A	4 ACSR	6.95Y	115.8	0.08	10.25	12.95	9	89	15	99	0.06	0.1	9.124	0.134	0	0	0	18	L
L PC-105090	PC-107842	A	4 ACSR	6.94Y	115.7	0.05	10.30	12.95	9	89	15	99	0.03	0.0	9.205	0.081	0	0	0	18	L
L PC-170081	PC-105090	A	4 ACSR	6.94Y	115.7	0.00	10.30	0.86	1	6	1	99	0.00	0.0	9.335	0.130	0	0	0	2	L
L PC-105618	PC-170081	A	4 ACSR	6.94Y	115.7	0.00	10.30	0.81	1	6	1	99	0.00	0.0	9.409	0.074	0	0	0	1	L
L PC-170082	PC-105618	A	4 ACSR	6.94Y	115.7	0.00	10.31	0.81	1	6	1	99	0.00	0.0	9.484	0.076	0	0	0	1	L
L PC-106167	PC-170082	A	4 ACSR	6.94Y	115.7	0.00	10.31	0.81	1	6	1	99	0.00	0.0	9.548	0.064	0	0	0	1	L
L PC-109836	PC-105090	A	4 ACSR	6.94Y	115.7	0.00	10.30	0.78	1	5	1	98	0.00	0.0	9.261	0.056	0	0	0	1	L
L PC-107644	PC-105090	A	4 ACSR	6.94Y	115.7	0.01	10.30	11.31	8	77	13	99	0.00	0.0	9.218	0.013	0	0	0	15	L
L PC-108132	PC-107644	A	4 ACSR	6.94Y	115.7	0.04	10.34	11.31	8	77	13	99	0.03	0.0	9.300	0.082	0	0	0	15	L
L PC-176083	PC-108132	A	4 ACSR	6.94Y	115.6	0.02	10.36	9.41	7	64	11	99	0.01	0.0	9.349	0.049	0	0	0	12	L
L PC-176084	PC-176083	A	4 ACSR	6.94Y	115.6	0.00	10.37	5.21	4	36	6	99	0.00	0.0	9.362	0.013	0	0	0	5	L
L PC-104712	PC-176084	A	4 ACSR	6.94Y	115.6	0.02	10.39	5.21	4	36	6	99	0.01	0.0	9.448	0.086	0	0	0	5	L
L PC-108197	PC-104712	A	4 ACSR	6.94Y	115.6	0.01	10.40	4.34	3	30	5	99	0.00	0.0	9.518	0.070	0	0	0	4	L
L PC-107164	PC-108197	A	4 ACSR	6.94Y	115.6	0.01	10.41	4.34	3	30	5	99	0.00	0.0	9.580	0.063	0	0	0	4	L
L PC-108470	PC-107164	A	4 ACSR	6.93Y	115.6	0.01	10.43	4.34	3	30	5	99	0.00	0.0	9.640	0.060	0	0	0	4	L
L PC-107878	PC-108470	A	2 ACSR	6.93Y	115.6	0.00	10.43	0.80	0	5	1	98	0.00	0.0	9.684	0.044	0	0	0	1	L
L PC-110784	PC-107878	A	2 ACSR	6.93Y	115.6	0.00	10.43	0.80	0	5	1	98	0.00	0.0	9.743	0.059	0	0	0	1	L
L PC-103870	PC-110784	A	2 ACSR	6.93Y	115.6	0.00	10.43	0.80	0	5	1	98	0.00	0.0	9.776	0.033	0	0	0	1	L
L PC-107944	PC-103870	A	2 ACSR	6.93Y	115.6	0.00	10.43	0.80	0	5	1	98	0.00	0.0	9.845	0.069	0	0	0	1	L
L PC-103920	PC-108470	A	4 ACSR	6.93Y	115.6	0.01	10.44	3.54	3	24	4	99	0.00	0.0	9.732	0.092	0	0	0	3	L
L PC-108687	PC-103920	A	4 ACSR	6.93Y	115.6	0.01	10.45	2.94	2	20	3	99	0.00	0.0	9.783	0.051	0	0	0	2	L
L PC-110298	PC-108687	A	4 ACSR	6.93Y	115.5	0.01	10.46	1.27	1	9	1	99	0.00	0.0	9.938	0.154	0	0	0	1	L
L PC-113126	PC-110298	A	4 ACSR	6.93Y	115.5	0.00	10.46	0.00	0	0	0	100	0.00	0.0	10.015	0.078	0	0	0	0	L
L PC-103057	PC-113126	A	4 ACSR	6.93Y	115.5	0.00	10.46	0.00	0	0	0	100	0.00	0.0	10.082	0.066	0	0	0	0	L
L PC-115549	PC-103057	A	4 ACSR	6.93Y	115.5	0.00	10.46	0.00	0	0	0	100	0.00	0.0	10.214	0.133	0	0	0	0	L
L PC-102074	PC-108687	A	2 ACSR	6.93Y	115.6	0.00	10.45	1.67	1	11	2	98	0.00	0.0	9.809	0.026	0	0	0	1	L
L PC-106799	PC-104712	A	4 ACSR	6.94Y	115.6	0.00	10.39	0.87	1	6	1	99	0.00	0.0	9.494	0.046	0	0	0	1	L
L PC-107639	PC-176083	A	4 ACSR	6.94Y	115.6	0.01	10.37	4.20	3	29	5	99	0.00	0.0	9.392	0.044	0	0	0	7	L
L PC-168549	PC-107639	A	4 ACSR	6.94Y	115.6	0.02	10.39	4.20	3	29	5	99	0.00	0.0	9.477	0.085	0	0	0	7	L
L PC-105037	PC-168549	A	4 ACSR	6.94Y	115.6	0.01	10.40	3.40	2	23	4	99	0.00	0.0	9.545	0.068	0	0	0	6	L
L PC-105987	PC-105037	A	4 ACSR	6.94Y	115.6	0.01	10.41	2.23	2	15	3	98	0.00	0.0	9.625	0.079	0	0	0	5	L
L PC-107194	PC-105987	A	4 ACSR	6.94Y	115.6	0.01	10.42	2.23	2	15	3	98	0.00	0.0	9.708	0.083	0	0	0	5	L
L PC-114301	PC-107194	A	4 ACSR	6.93Y	115.6	0.00	10.42	0.47	0	3	1	95	0.00	0.0	9.764	0.057	0	0	0	1	L
L PC-107254	PC-107194	A	4 ACSR	6.93Y	115.6	0.00	10.42	1.33	1	9	2	98	0.00	0.0	9.766	0.058	0	0	0	3	L

Balanced Voltage Drop Report
Source: SINAI

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\BASE WINTER SUB ALLOCATION.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L PC-100469	PC-107254	A	4 ACSR	6.93Y	115.6	0.00	10.42	1.33	1	9	2	98	0.00	0.0	9.845	0.079	0	0	0	3	L
L PC-103433	PC-105037	A	4 ACSR	6.94Y	115.6	0.00	10.40	1.16	1	8	1	99	0.00	0.0	9.582	0.037	0	0	0	1	L
L PC-115346	PC-108132	A	4 ACSR	6.94Y	115.7	0.00	10.35	0.51	0	3	1	95	0.00	0.0	9.398	0.098	0	0	0	2	L
L PC-110598	PC-115346	A	4 ACSR	6.94Y	115.7	0.00	10.35	0.35	0	2	0	100	0.00	0.0	9.457	0.058	0	0	0	1	L
L PC-103418	PC-110598	A	4 ACSR	6.94Y	115.7	0.00	10.35	0.35	0	2	0	100	0.00	0.0	9.513	0.056	0	0	0	1	L
L PC-103081	PC-107710	A	4 ACSR	6.96Y	116.0	0.00	9.98	0.44	0	3	1	95	0.00	0.0	8.695	0.040	0	0	0	1	L
L PC-107686	PC-113879	A	4 ACSR	6.96Y	116.1	0.01	9.92	2.62	2	18	3	99	0.00	0.0	8.616	0.066	0	0	0	4	L
L PC-161065	PC-107686	A	4 ACSR	6.96Y	116.1	0.01	9.93	2.62	2	18	3	99	0.00	0.0	8.671	0.055	0	0	0	4	L
L PC-110239	PC-161065	A	6 ACWC	6.96Y	116.1	0.01	9.94	1.56	1	11	2	98	0.00	0.0	8.784	0.112	0	0	0	3	L
L PC-162197	PC-110239	A	4 ACSR	6.96Y	116.1	0.00	9.94	1.39	1	10	2	98	0.00	0.0	8.824	0.040	0	0	0	2	L
L PC-101751	PC-162197	A	4 ACSR	6.96Y	116.1	0.00	9.94	0.67	0	5	1	98	0.00	0.0	8.935	0.111	0	0	0	1	L
L PC-163762	PC-161065	A	2 ACSR	6.96Y	116.1	0.00	9.93	1.06	1	7	1	99	0.00	0.0	8.729	0.058	0	0	0	1	L
L PC-162096	PC-163762	A	2 ACSR	6.96Y	116.1	0.00	9.93	1.06	1	7	1	99	0.00	0.0	8.783	0.054	0	0	0	1	L
L PC-163763	PC-162096	A	2 ACSR	6.96Y	116.1	0.00	9.93	1.06	1	7	1	99	0.00	0.0	8.842	0.058	0	0	0	1	L
L PC-171647	PC-163763	A	2 ACSR	6.96Y	116.1	0.00	9.94	1.06	1	7	1	99	0.00	0.0	8.927	0.085	0	0	0	1	L
L PC-168163	PC-168081	A	4 ACSR	6.97Y	116.2	0.00	9.76	0.00	0	0	0	100	0.00	0.0	8.387	0.053	0	0	0	0	L
L PC-163710	PC-168081	A	4 ACSR	6.97Y	116.2	0.01	9.76	2.00	1	14	2	99	0.00	0.0	8.395	0.060	0	0	0	2	L

---------- Feeder No. 0 (23-114) Beginning with Device 23-114 ----------

---------- Feeder No. 0 (23-104) Beginning with Device 23-104 ----------

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total	
KW	8633	7	0	0	0	0	424	0.00	9064	Lowest Voltage = 107.08 on Element PC-118148
KVAR	1479	1	-631	0	0	0	441		1290	Max Accm VoltD = 18.92 on Element PC-118148
										Max Elem VoltD = 1.15 on Element PC-105079

Balanced Voltage Drop Report
Source: JACKSONVILLE

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\BASE WINTER SUB ALLOCATION.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
JACKSONVILLE		ABC	JACKSONVIL	7.56Y	126.0	0.00	0.00	215.13	0	4782	972	98	0.00	0.0	0.000	0.000	0	0	0	961

---------- Feeder No. 0 (39-124) Beginning with Device 39-124 ----------

---------- Feeder No. 0 (39-104) Beginning with Device 39-104 ----------

---------- Feeder No. 0 (39-114) Beginning with Device 39-114 ----------

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total	
KW	4521	81	0	0	0	0	179	0.00	4782	Lowest Voltage = 117.32 on Element PC-154073
KVAR	1039	19	-328	0	0	0	242		972	Max Accm VoltD = 8.68 on Element PC-154073
										Max Elem VoltD = 0.19 on Element PC-129174

Balanced Voltage Drop Report
Source: NINEVAH

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\BASE WINTER SUB ALLOCATION.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
NINEVAH		ABC	NINEVAH	7.56Y	126.0	0.00	0.00	326.85	0	7309	1236	99	0.00	0.0	0.000	0.000	0	0	0	1396	
L PC-177693	1949	ABC	336.4 ACSR	12.82Y	106.9	0.00	19.13	90.93	17	3482	341	100	0.01	0.0	0.010	0.002	0	0	0	918	L
---------- Feeder No. 0 (22-134) Beginning with Device 22-134 ----------																					
L 22-134	PC-177693	ABC	BKR-560-VW	12.82Y	106.9	0.00	19.13	90.93	0	3482	341	100	0.00	0.0	0.010	0.002	0	0	0	918	L
L PC-126011	22-134	ABC	336.4 ACSR	12.82Y	106.9	0.00	19.14	90.93	17	3482	341	100	0.06	0.0	0.018	0.009	0	0	0	918	L
L PC-126010	PC-126011	ABC	336.4 ACSR	12.82Y	106.8	0.02	19.15	90.70	17	3473	340	100	0.50	0.0	0.091	0.073	0	0	0	917	L
L PC-121439	PC-126010	ABC	336.4 ACSR	12.82Y	106.8	0.01	19.16	90.70	17	3472	339	100	0.28	0.0	0.131	0.040	0	0	0	917	L
L PC-120942	PC-121439	ABC	336.4 ACSR	12.82Y	106.8	0.01	19.18	90.70	17	3472	339	100	0.36	0.0	0.184	0.052	0	0	0	917	L
L PC-126987	PC-120942	ABC	336.4 ACSR	12.82Y	106.8	0.01	19.19	90.40	17	3460	337	100	0.39	0.0	0.242	0.058	0	0	0	915	L
L PC-121175	PC-126987	ABC	336.4 ACSR	12.82Y	106.8	0.01	19.21	90.40	17	3460	336	100	0.38	0.0	0.298	0.056	0	0	0	915	L
L PC-158263	PC-121175	C	1/0 URD PR	12.82Y	106.8	0.00	19.21	0.20	0	3	0	100	0.00	0.0	0.303	0.006	0	0	0	1	L
L PC-180154	PC-158263	C	1/0 URD PR	12.82Y	106.8	0.00	19.21	0.20	0	3	0	100	0.00	0.0	0.309	0.005	0	0	0	1	L
L PC-180153	PC-180154	C	1/0 URD PR	12.82Y	106.8	0.00	19.21	0.20	0	3	0	100	0.00	0.0	0.368	0.060	0	0	0	1	L
L PC-122937	PC-121175	ABC	336.4 ACSR	12.81Y	106.8	0.01	19.22	90.33	17	3457	335	100	0.40	0.0	0.357	0.059	0	0	0	914	L
L PC-122956	PC-122937	ABC	336.4 ACSR	12.81Y	106.8	0.02	19.24	90.33	17	3456	334	100	0.49	0.0	0.428	0.072	0	0	0	914	L
L PC-114268	PC-122956	ABC	336.4 ACSR	12.81Y	106.7	0.02	19.26	90.33	17	3456	333	100	0.43	0.0	0.492	0.064	0	0	0	914	L
L PC-115799	PC-114268	ABC	336.4 ACSR	12.81Y	106.7	0.01	19.26	90.24	17	3452	331	100	0.15	0.0	0.514	0.022	0	0	0	913	L
L PC-120868	PC-115799	C	4 ACSR	12.81Y	106.7	0.00	19.26	1.53	1	19	2	99	0.00	0.0	0.541	0.026	0	0	0	4	L
L PC-173338	PC-120868	C	4 ACSR	12.81Y	106.7	0.00	19.26	1.53	1	19	2	99	0.00	0.0	0.613	0.072	0	0	0	4	L
L PC-177017	PC-173338	C	4 ACSR	12.81Y	106.7	0.00	19.26	0.00	0	0	0	100	0.00	0.0	0.693	0.081	0	0	0	1	L
L PC-128956	PC-173338	C	4 ACSR	12.81Y	106.7	0.00	19.27	1.53	1	19	2	99	0.00	0.0	0.724	0.111	0	0	0	3	L
L PC-172938	PC-128956	C	2 ACSR	12.81Y	106.7	0.00	19.27	0.57	0	7	1	99	0.00	0.0	0.763	0.039	0	0	0	1	L
L PC-120272	PC-115799	ABC	336.4 ACSR	12.81Y	106.7	0.02	19.28	89.74	17	3432	329	100	0.50	0.0	0.588	0.074	0	0	0	909	L
L PC-122720	PC-120272	ABC	336.4 ACSR	12.81Y	106.7	0.01	19.29	89.74	17	3432	328	100	0.15	0.0	0.610	0.022	0	0	0	909	L
L PC-122246	PC-122720	C	4 ACSR	12.81Y	106.7	0.00	19.29	0.46	0	6	1	99	0.00	0.0	0.616	0.006	0	0	0	1	L
L PC-121078	PC-122246	C	4 ACSR	12.81Y	106.7	0.00	19.29	0.46	0	6	1	99	0.00	0.0	0.637	0.021	0	0	0	1	L
L PC-121265	PC-122720	ABC	336.4 ACSR	12.80Y	106.7	0.02	19.30	88.96	17	3402	325	100	0.44	0.0	0.677	0.067	0	0	0	904	L
L PC-121213	PC-121265	ABC	336.4 ACSR	12.80Y	106.7	0.01	19.32	88.96	17	3402	324	100	0.38	0.0	0.735	0.058	0	0	0	904	L
L PC-122995	PC-121213	ABC	336.4 ACSR	12.80Y	106.7	0.01	19.33	88.48	17	3383	322	100	0.38	0.0	0.793	0.058	0	0	0	900	L
L PC-122664	PC-122995	ABC	336.4 ACSR	12.80Y	106.7	0.02	19.35	88.34	17	3377	321	100	0.40	0.0	0.855	0.062	0	0	0	899	L
L PC-172833	PC-122664	ABC	336.4 ACSR	12.80Y	106.6	0.02	19.36	88.24	17	3373	319	100	0.42	0.0	0.919	0.064	0	0	0	898	L
L PC-121945	PC-172833	ABC	336.4 ACSR	12.80Y	106.6	0.01	19.37	88.24	17	3373	319	100	0.14	0.0	0.941	0.021	0	0	0	898	L
L PC-172832	PC-121945	C	4 ACSR	12.80Y	106.6	0.00	19.37	5.07	4	65	6	100	0.00	0.0	0.946	0.006	0	0	0	14	L
L PC-128957	PC-172832	C	4 ACSR	12.80Y	106.6	0.00	19.37	0.54	0	7	1	99	0.00	0.0	0.952	0.006	0	0	0	1	L
L PC-132380	PC-128957	C	4 ACSR	12.80Y	106.6	0.00	19.37	0.54	0	7	1	99	0.00	0.0	0.976	0.024	0	0	0	1	L
L PC-119898	PC-172832	C	2 ACSR	12.80Y	106.6	0.00	19.37	4.53	3	58	5	100	0.00	0.0	1.015	0.069	0	0	0	13	L
L PC-117254	PC-119898	C	2 ACSR	12.80Y	106.6	0.00	19.37	4.53	3	58	5	100	0.00	0.0	1.046	0.030	0	0	0	13	L
L PC-116631	PC-117254	C	4 ACSR	12.79Y	106.6	0.01	19.38	3.22	2	41	4	100	0.00	0.0	1.119	0.074	0	0	0	10	L
L PC-113875	PC-116631	C	4 ACSR	12.79Y	106.6	0.00	19.38	2.98	2	38	3	100	0.00	0.0	1.156	0.037	0	0	0	8	L
L PC-114117	PC-113875	C	4 ACSR	12.79Y	106.6	0.00	19.38	1.39	1	18	2	99	0.00	0.0	1.177	0.021	0	0	0	4	L
L PC-125433	PC-114117	C	4 ACSR	12.79Y	106.6	0.00	19.38	0.97	1	12	1	100	0.00	0.0	1.212	0.035	0	0	0	2	L
L PC-125435	PC-113875	C	2 ACSR	12.79Y	106.6	0.00	19.38	0.62	0	8	1	99	0.00	0.0	1.182	0.026	0	0	0	2	L
L PC-172831	PC-121945	ABC	336.4 ACSR	12.79Y	106.6	0.01	19.38	86.55	16	3308	313	100	0.33	0.0	0.994	0.054	0	0	0	884	L
L PC-121347	PC-172831	ABC	336.4 ACSR	12.79Y	106.6	0.01	19.39	86.38	16	3301	311	100	0.23	0.0	1.031	0.036	0	0	0	881	L
L PC-122247	PC-121347	ABC	336.4 ACSR	12.79Y	106.6	0.01	19.40	86.15	16	3292	310	100	0.29	0.0	1.077	0.046	0	0	0	880	L
L PC-120696	PC-122247	ABC	336.4 ACSR	12.79Y	106.6	0.02	19.42	85.99	16	3286	309	100	0.39	0.0	1.140	0.063	0	0	0	877	L
L PC-121823	PC-120696	ABC	336.4 ACSR	12.79Y	106.6	0.02	19.43	85.99	16	3285	308	100	0.39	0.0	1.202	0.063	0	0	0	877	L
L PC-114384	PC-121823	ABC	336.4 ACSR	12.79Y	106.6	0.00	19.43	51.61	10	1972	179	100	0.07	0.0	1.233	0.031	0	0	0	451	L
L PC-121077	PC-114384	ABC	336.4 ACSR	12.79Y	106.6	0.01	19.45	51.61	10	1972	179	100	0.17	0.0	1.309	0.075	0	0	0	451	L
L PC-172827	PC-121077	ABC	336.4 ACSR	12.79Y	106.5	0.01	19.45	51.61	10	1972	178	100	0.11	0.0	1.358	0.049	0	0	0	451	L
L PC-172920	PC-172827	ABC	336.4 ACSR	12.78Y	106.5	0.01	19.46	51.46	10	1966	177	100	0.13	0.0	1.416	0.058	0	0	0	449	L
L PC-173336	PC-172920	ABC	336.4 ACSR	12.78Y	106.5	0.01	19.47	51.46	10	1966	177	100	0.13	0.0	1.477	0.061	0	0	0	449	L
L PC-173337	PC-173336	ABC	336.4 ACSR	12.78Y	106.5	0.01	19.48	51.41	10	1964	177	100	0.12	0.0	1.530	0.053	0	0	0	448	L
L PC-177023	PC-173337	ABC	336.4 ACSR	12.78Y	106.5	0.01	19.49	51.41	10	1964	176	100	0.13	0.0	1.589	0.059	0	0	0	448	L
L PC-177024	PC-177023	C	2 ACSR	12.78Y	106.5	0.00	19.49	0.00	0	0	0	100	0.00	0.0	1.595	0.006	0	0	0	0	L
L PC-132756	PC-177024	C	2 ACSR	12.78Y	106.5	0.00	19.49	0.00	0	0	0	100	0.00	0.0	1.636	0.041	0	0	0	0	L
L PC-123211	PC-177023	ABC	336.4 ACSR	12.78Y	106.5	0.01	19.49	51.41	10	1963	176	100	0.14	0.0	1.654	0.065	0	0	0	448	L
L PC-172945	PC-123211	ABC	336.4 ACSR	12.78Y	106.5	0.01	19.50	33.23	6	1269	114	100	0.07	0.0	1.731	0.077	0	0	0	276	L
L PC-155054	PC-172945	C	1/0 URD PR	12.78Y	106.5	0.00	19.50	0.75	0	10	1	100	0.00	0.0	1.859	0.128	0	0	0	3	L
L PC-122080	PC-172945	ABC	336.4 ACSR	12.78Y	106.5	0.01	19.51	32.99	6	1260	113	100	0.07	0.0	1.803	0.072	0	0	0	273	L
L PC-121941	PC-122080	ABC	336.4 ACSR	12.78Y	106.5	0.00	19.51	32.99	6	1260	113	100	0.05	0.0	1.855	0.052	0	0	0	273	L
L PC-122054	PC-121941	ABC	336.4 ACSR	12.78Y	106.5	0.00	19.52	32.99	6	1259	112	100	0.05	0.0	1.905	0.050	0	0	0	273	L
L PC-113164	PC-122054	ABC	336.4 ACSR	12.78Y	106.5	0.00	19.52	32.99	6	1259	112	100	0.05	0.0	1.956	0.051	0	0	0	273	L
L PC-172947	PC-113164	ABC	336.4 ACSR	12.78Y	106.5	0.00	19.53	32.47	6	1240	111	100	0.03	0.0	1.995	0.039	0	0	0	271	L
L PC-122141	PC-172947	ABC	336.4 ACSR	12.78Y	106.5	0.00	19.53	32.47	6	1240	110	100	0.04	0.0	2.041	0.046	0	0	0	271	L
L PC-177026	PC-122141	ABC	336.4 ACSR	12.78Y	106.5	0.01	19.54	32.15	6	1227	109	100	0.08	0.0	2.131	0.089	0	0	0	269	L
L PC-177039	PC-177026	ABC	336.4 ACSR	12.77Y	106.5	0.01	19.55	32.15	6	1227	109	100	0.07	0.0	2.209	0.079	0	0	0	269	L
L PC-177040	PC-177039	ABC	336.4 ACSR	12.77Y	106.4	0.00	19.55	31.23	6	1192	106	100	0.05	0.0	2.267	0.058	0	0	0	259	L
L PC-123232	PC-177040	ABC	336.4 ACSR	12.77Y	106.4	0.00	19.55	31.23	6	1192	106	100	0.00	0.0	2.273	0.006	0	0	0	259	L
L D3221	PC-123232	ABC	REC_70_E	12.77Y	106.4	0.00	19.55	31.23	0	1192	106	100	0.00	0.0	2.273	0.006	0	0	0	259	L
L PC-122072	D3221	ABC	336.4 ACSR	12.77Y	106.4	0.00	19.56	31.23	6	1192	106	100	0.04	0.0	2.324	0.051	0	0	0	259	L
L PC-115453	PC-122072	ABC	336.4 ACSR	12.77Y	106.4	0.00	19.56	30.95	6	1181	105	100	0.04	0.0	2.375	0.051	0	0	0	258	L
L PC-172837	PC-115453	ABC	336.4 ACSR	12.77Y	106.4	0.00	19.56	30.53	6	1165	103	100	0.04	0.0	2.431	0.056	0	0	0	257	L
L PC-124856	PC-172837	ABC	336.4 ACSR	12.77Y	106.4	0.01	19.57	30.53	6	1165	103	100	0.08	0.0	2.529	0.098	0	0	0	257	L
L PC-172840	PC-124856	C	1/0 URD PR	12.77Y	106.4	0.00	19.57	0.28	0	4	0	100	0.00	0.0	2.535	0.006	0	0	0	1	L
L PC-155151	PC-172840	C	1/0 URD PR	12.77Y	106.4	0.00	19.57	0.28	0	4	0	100	0.00	0.0	2.646	0.112	0	0	0	1	L
L PC-172839	PC-124856	B	1/0 URD PR	12.77Y	106.4	0.00	19.57	0.82	0	10	1	100	0.00	0.0	2.535	0.006	0	0	0	1	L
L PC-155055	PC-172839	B	1/0 URD PR	12.77Y	106.4	0.00	19.57	0.82	0	10	1	100	0.00	0.0	2.590	0.056	0	0	0	1	L
L PC-172838	PC-124856	ABC	336.4 ACSR	12.77Y	106.4	0.01	19.58	30.17	6	1151	102	100	0.05	0.0	2.591	0.062	0	0	0	255	L

Balanced Voltage Drop Report
Source: NINEVAH

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\BASE WINTER SUB ALLOCATION.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L PC-123967	PC-172838	A	4 ACSR	12.77Y	106.4	0.00	19.58	0.00	0	0	0	100	0.00	0.0	2.596	0.006	0	0	0	0	L
L PC-173395	PC-123967	A	4 ACSR	12.77Y	106.4	0.00	19.58	0.00	0	0	0	100	0.00	0.0	2.773	0.176	0	0	0	0	L
L PC-121505	PC-172838	ABC	336.4 ACSR	12.77Y	106.4	0.01	19.59	30.17	6	1151	102	100	0.09	0.0	2.715	0.125	0	0	0	255	L
L PC-124282	PC-121505	ABC	336.4 ACSR	12.77Y	106.4	0.00	19.59	30.17	6	1151	102	100	0.02	0.0	2.744	0.028	0	0	0	255	L
L PC-124283	PC-124282	C	4 ACSR	12.77Y	106.4	0.00	19.59	3.95	3	50	4	100	0.00	0.0	2.749	0.006	0	0	0	14	L
L PC-121947	PC-124283	C	4 ACSR	12.77Y	106.4	0.00	19.59	3.95	3	50	4	100	0.00	0.0	2.791	0.041	0	0	0	14	L
L PC-121071	PC-121947	C	4 ACSR	12.77Y	106.4	0.00	19.60	3.95	3	50	4	100	0.00	0.0	2.838	0.047	0	0	0	14	L
L PC-126387	PC-121071	C	4 ACSR	12.77Y	106.4	0.00	19.60	3.03	2	39	3	100	0.00	0.0	2.890	0.052	0	0	0	11	L
L PC-121075	PC-126387	C	4 ACSR	12.77Y	106.4	0.00	19.61	3.03	2	39	3	100	0.00	0.0	2.954	0.064	0	0	0	11	L
L PC-126395	PC-121075	C	4 ACSR	12.77Y	106.4	0.00	19.61	3.03	2	39	3	100	0.00	0.0	2.959	0.006	0	0	0	11	L
L PC-172822	PC-126395	C	4 ACSR	12.77Y	106.4	0.00	19.61	1.20	1	15	1	100	0.00	0.0	2.962	0.002	0	0	0	2	L
L PC-119366	PC-172822	C	4 ACSR	12.77Y	106.4	0.00	19.61	1.20	1	15	1	100	0.00	0.0	3.021	0.059	0	0	0	2	L
L PC-172823	PC-119366	C	4 ACSR	12.77Y	106.4	0.00	19.61	0.49	0	6	1	99	0.00	0.0	3.039	0.018	0	0	0	1	L
L PC-119367	PC-172823	C	4 ACSR	12.77Y	106.4	0.00	19.61	0.49	0	6	1	99	0.00	0.0	3.081	0.042	0	0	0	1	L
L PC-122877	PC-126395	C	4 ACSR	12.77Y	106.4	0.00	19.61	1.79	1	23	2	100	0.00	0.0	3.069	0.109	0	0	0	8	L
L PC-121178	PC-122877	C	4 ACSR	12.77Y	106.4	0.00	19.61	1.79	1	23	2	100	0.00	0.0	3.117	0.048	0	0	0	8	L
L PC-120722	PC-121178	C	4 ACSR	12.77Y	106.4	0.01	19.62	1.79	1	23	2	100	0.00	0.0	3.261	0.144	0	0	0	8	L
L PC-117210	PC-120722	C	4 ACSR	12.77Y	106.4	0.00	19.62	1.71	1	22	2	100	0.00	0.0	3.311	0.050	0	0	0	7	L
L PC-116669	PC-117210	C	4 ACSR	12.77Y	106.4	0.00	19.62	1.71	1	22	2	100	0.00	0.0	3.368	0.057	0	0	0	7	L
L PC-123114	PC-116669	C	4 ACSR	12.77Y	106.4	0.00	19.62	1.71	1	22	2	100	0.00	0.0	3.415	0.047	0	0	0	6	L
L PC-124308	PC-123114	C	4 ACSR	12.77Y	106.4	0.00	19.62	1.25	1	16	1	100	0.00	0.0	3.449	0.034	0	0	0	5	L
L PC-127169	PC-124308	C	4 ACSR	12.76Y	106.4	0.00	19.63	1.18	1	15	1	100	0.00	0.0	3.541	0.092	0	0	0	4	L
L PC-122926	PC-127169	C	4 ACSR	12.76Y	106.4	0.00	19.63	0.45	0	6	0	100	0.00	0.0	3.595	0.055	0	0	0	2	L
L PC-122654	PC-122926	C	4 ACSR	12.76Y	106.4	0.00	19.63	0.45	0	6	0	100	0.00	0.0	3.644	0.049	0	0	0	2	L
L PC-121447	PC-124308	C	4 ACSR	12.77Y	106.4	0.00	19.62	0.07	0	1	0	100	0.00	0.0	3.483	0.034	0	0	0	1	L
L PC-121399	PC-126395	C	4 ACSR	12.77Y	106.4	0.00	19.61	0.05	0	1	0	100	0.00	0.0	2.963	0.003	0	0	0	1	L
L PC-123253	PC-121399	C	4 ACSR	12.77Y	106.4	0.00	19.61	0.05	0	1	0	100	0.00	0.0	3.010	0.048	0	0	0	1	L
L PC-121072	PC-121071	C	4 ACSR	12.77Y	106.4	0.00	19.60	0.92	1	12	1	100	0.00	0.0	2.944	0.106	0	0	0	3	L
L PC-125901	PC-121072	C	2 ACSR	12.77Y	106.4	0.00	19.60	0.62	0	8	1	99	0.00	0.0	2.989	0.046	0	0	0	1	L
L PC-125900	PC-125901	C	2 ACSR	12.77Y	106.4	0.00	19.60	0.62	0	8	1	99	0.00	0.0	3.043	0.054	0	0	0	1	L
L PC-121097	PC-121072	C	4 ACSR	12.77Y	106.4	0.00	19.60	0.26	0	3	0	100	0.00	0.0	3.040	0.097	0	0	0	1	L
L PC-120422	PC-124282	ABC	336.4 ACSR	12.77Y	106.4	0.00	19.59	28.85	5	1101	97	100	0.03	0.0	2.794	0.050	0	0	0	241	L
L PC-121400	PC-120422	ABC	336.4 ACSR	12.77Y	106.4	0.00	19.60	28.85	5	1101	97	100	0.04	0.0	2.850	0.056	0	0	0	241	L
L PC-131150	PC-121400	ABC	336.4 ACSR	12.77Y	106.4	0.00	19.60	28.49	5	1087	96	100	0.02	0.0	2.877	0.028	0	0	0	238	L
L PC-120928	PC-131150	ABC	336.4 ACSR	12.77Y	106.4	0.00	19.61	28.49	5	1087	96	100	0.04	0.0	2.929	0.052	0	0	0	238	L
L PC-172826	PC-120928	ABC	336.4 ACSR	12.77Y	106.4	0.00	19.61	28.49	5	1087	96	100	0.03	0.0	2.972	0.043	0	0	0	238	L
L PC-172825	PC-172826	B	4 ACSR	12.77Y	106.4	0.00	19.61	2.03	1	26	2	100	0.00	0.0	2.978	0.006	0	0	0	4	L
L PC-122583	PC-172825	B	4 ACSR	12.77Y	106.4	0.00	19.61	2.03	1	26	2	100	0.00	0.0	3.023	0.045	0	0	0	4	L
L PC-174827	PC-122583	B	4 ACSR	12.77Y	106.4	0.00	19.61	2.03	1	26	2	100	0.00	0.0	3.049	0.026	0	0	0	4	L
L PC-177528	PC-174827	B	4 ACSR	12.77Y	106.4	0.00	19.61	1.56	1	20	2	100	0.00	0.0	3.137	0.088	0	0	0	2	L
L PC-123039	PC-174827	B	6 ACWC	12.77Y	106.4	0.00	19.61	0.05	0	1	0	100	0.00	0.0	3.126	0.077	0	0	0	1	L
L PC-120705	PC-172826	ABC	336.4 ACSR	12.77Y	106.4	0.00	19.61	27.01	5	1030	91	100	0.04	0.0	3.030	0.058	0	0	0	232	L
L PC-172960	PC-120705	ABC	336.4 ACSR	12.77Y	106.4	0.00	19.62	27.01	5	1030	91	100	0.02	0.0	3.061	0.031	0	0	0	232	L
L PC-173392	PC-172960	ABC	336.4 ACSR	12.77Y	106.4	0.00	19.62	26.90	5	1026	90	100	0.03	0.0	3.104	0.043	0	0	0	231	L
L PC-172951	PC-173392	ABC	336.4 ACSR	12.77Y	106.4	0.01	19.62	26.90	5	1026	90	100	0.04	0.0	3.177	0.073	0	0	0	231	L
L PC-121573	PC-172951	ABC	336.4 ACSR	12.76Y	106.4	0.00	19.63	26.90	5	1026	90	100	0.03	0.0	3.221	0.045	0	0	0	231	L
L PC-177030	PC-121573	B	4 ACSR	12.76Y	106.4	0.00	19.63	3.84	3	49	4	100	0.00	0.0	3.227	0.006	0	0	0	7	L
L PC-116468	PC-177030	B	4 ACSR	12.76Y	106.4	0.00	19.63	3.84	3	49	4	100	0.00	0.0	3.251	0.024	0	0	0	7	L
L PC-122465	PC-116468	B	4 ACSR	12.76Y	106.4	0.00	19.63	3.84	3	49	4	100	0.00	0.0	3.304	0.053	0	0	0	7	L
L PC-121765	PC-122465	B	4 ACSR	12.76Y	106.4	0.00	19.64	2.64	2	34	3	100	0.00	0.0	3.373	0.069	0	0	0	4	L
L PC-122047	PC-121765	B	4 ACSR	12.76Y	106.4	0.00	19.64	0.81	1	10	1	100	0.00	0.0	3.401	0.028	0	0	0	2	L
L PC-121816	PC-122047	B	2 ACSR	12.76Y	106.4	0.00	19.64	0.04	0	0	0	100	0.00	0.0	3.445	0.044	0	0	0	1	L
L PC-121423	PC-122047	B	4 ACSR	12.76Y	106.4	0.00	19.64	0.78	1	10	1	100	0.00	0.0	3.422	0.020	0	0	0	1	L
L PC-115155	PC-121423	B	4 ACSR	12.76Y	106.4	0.00	19.64	0.78	1	10	1	100	0.00	0.0	3.454	0.033	0	0	0	1	L
L PC-173381	PC-121573	ABC	336.4 ACSR	12.76Y	106.4	0.00	19.63	25.62	5	977	86	100	0.02	0.0	3.258	0.037	0	0	0	224	L
L PC-122778	PC-173381	ABC	336.4 ACSR	12.76Y	106.4	0.00	19.63	25.62	5	977	86	100	0.04	0.0	3.329	0.070	0	0	0	224	L
L PC-128954	PC-122778	ABC	336.4 ACSR	12.76Y	106.4	0.00	19.64	25.62	5	977	86	100	0.04	0.0	3.395	0.066	0	0	0	224	L
L PC-173384	PC-128954	ABC	336.4 ACSR	12.76Y	106.4	0.00	19.64	25.62	5	977	86	100	0.03	0.0	3.442	0.047	0	0	0	224	L
L PC-172954	PC-173384	C	2 ACSR	12.76Y	106.4	0.00	19.64	0.07	0	1	0	100	0.00	0.0	3.448	0.006	0	0	0	1	L
L PC-124108	PC-172954	C	2 ACSR	12.76Y	106.4	0.00	19.64	0.07	0	1	0	100	0.00	0.0	3.508	0.060	0	0	0	1	L
L PC-172845	PC-173384	B	4 ACSR	12.76Y	106.4	0.00	19.64	0.47	0	6	1	99	0.00	0.0	3.448	0.006	0	0	0	1	L
L PC-124103	PC-172845	B	4 ACSR	12.76Y	106.4	0.00	19.64	0.47	0	6	1	99	0.00	0.0	3.495	0.047	0	0	0	1	L
L PC-123874	PC-173384	ABC	336.4 ACSR	12.76Y	106.4	0.00	19.65	25.14	5	959	84	100	0.03	0.0	3.499	0.057	0	0	0	221	L
L PC-173385	PC-123874	ABC	336.4 ACSR	12.76Y	106.4	0.00	19.65	24.83	5	947	83	100	0.02	0.0	3.541	0.042	0	0	0	220	L
L PC-172600	PC-173385	C	4 ACSR	12.76Y	106.4	0.00	19.65	0.87	1	11	1	100	0.00	0.0	3.546	0.006	0	0	0	1	L
L PC-133148	PC-172600	C	4 ACSR	12.76Y	106.3	0.00	19.65	0.87	1	11	1	100	0.00	0.0	3.569	0.023	0	0	0	1	L
L PC-121550	PC-173385	ABC	336.4 ACSR	12.76Y	106.3	0.00	19.65	24.53	5	936	82	100	0.02	0.0	3.579	0.038	0	0	0	219	L
L PC-177009	PC-121550	ABC	336.4 ACSR	12.76Y	106.3	0.00	19.66	24.53	5	936	82	100	0.03	0.0	3.635	0.056	0	0	0	219	L
L PC-177179	PC-177009	ABC	336.4 ACSR	12.76Y	106.3	0.00	19.66	24.53	5	936	82	100	0.02	0.0	3.674	0.039	0	0	0	219	L
L PC-177178	PC-177179	B	4 ACSR	12.76Y	106.3	0.00	19.66	7.73	6	98	9	100	0.00	0.0	3.680	0.006	0	0	0	20	L
L PC-117118	PC-177178	B	4 ACSR	12.76Y	106.3	0.01	19.67	7.73	6	98	9	100	0.01	0.0	3.729	0.049	0	0	0	20	L
L PC-173332	PC-117118	B	4 ACSR	12.76Y	106.3	0.00	19.67	3.81	3	48	4	100	0.00	0.0	3.767	0.038	0	0	0	10	L
L PC-117683	PC-173332	B	4 ACSR	12.76Y	106.3	0.00	19.67	2.50	2	32	3	100	0.00	0.0	3.806	0.039	0	0	0	7	L
L PC-174492	PC-117683	B	4 ACSR	12.76Y	106.3	0.00	19.68	2.50	2	32	3	100	0.00	0.0	3.843	0.038	0	0	0	7	L
L PC-174271	PC-174492	B	4 ACSR	12.76Y	106.3	0.00	19.68	2.50	2	32	3	100	0.00	0.0	3.880	0.036	0	0	0	7	L
L PC-174087	PC-174271	B	1/0 URD PR	12.76Y	106.3	0.00	19.68	0.37	0	5	0	100	0.00	0.0	3.882	0.003	0	0	0	1	L
L PC-165369	PC-174087	B	1/0 URD PR	12.76Y	106.3	0.00	19.68	0.37	0	5	0	100	0.00	0.0	3.898	0.016	0	0	0	1	L
L PC-115810	PC-117118	B	4 ACSR	12.76Y	106.3	0.00	19.67	3.92	3	50	4	100	0.00	0.0	3.758	0.029	0	0	0	10	L
L PC-122694	PC-115810	B	4 ACSR	12.76Y	106.3	0.00	19.67	3.92	3	50	4	100	0.00	0.0	3.795	0.037	0	0	0	10	L
L PC-124151	PC-122694	B	4 ACSR	12.76Y	106.3	0.00	19.68	2.10	2	27	2	100	0.00	0.0	3.835	0.041	0	0	0	5	L

Balanced Voltage Drop Report
Source: NINEVAH

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\BASE WINTER SUB ALLOCATION.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L PC-124156	PC-124151	B	4 ACSR	12.76Y	106.3	0.00	19.68	2.10	2	27	2	100	0.00	0.0	3.872	0.037	0	0	0	5	L
L PC-122949	PC-124156	B	4 ACSR	12.76Y	106.3	0.00	19.68	0.00	0	0	0	100	0.00	0.0	3.910	0.038	0	0	0	0	L
L PC-173797	PC-177179	ABC	336.4 ACSR	12.76Y	106.3	0.00	19.66	21.75	4	830	72	100	0.00	0.0	3.681	0.007	0	0	0	197	L
L PC-173779	PC-173797	ABC	1/0 ACSR	12.76Y	106.3	0.00	19.66	1.59	1	61	5	100	0.00	0.0	3.683	0.002	0	0	0	8	L
L PC-173798	PC-173779	ABC	1/0 ACSR	12.76Y	106.3	0.00	19.66	1.59	1	61	5	100	0.00	0.0	3.735	0.052	0	0	0	8	L
L PC-173777	PC-173798	ABC	1/0 ACSR	12.76Y	106.3	0.00	19.66	1.59	1	61	5	100	0.00	0.0	3.791	0.056	0	0	0	8	L
L PC-173701	PC-173777	ABC	1/0 ACSR	12.76Y	106.3	0.00	19.66	1.59	1	61	5	100	0.00	0.0	3.843	0.053	0	0	0	8	L
L PC-173702	PC-173701	ABC	1/0 ACSR	12.76Y	106.3	0.00	19.66	1.59	1	61	5	100	0.00	0.0	3.900	0.057	0	0	0	8	L
L PC-173703	PC-173702	ABC	1/0 ACSR	12.76Y	106.3	0.00	19.66	1.59	1	61	5	100	0.00	0.0	3.955	0.055	0	0	0	8	L
L PC-177180	PC-173703	B	4 ACSR	12.76Y	106.3	0.00	19.66	0.41	0	5	0	100	0.00	0.0	3.959	0.004	0	0	0	1	L
L PC-177181	PC-177180	B	4 ACSR	12.76Y	106.3	0.00	19.66	0.41	0	5	0	100	0.00	0.0	4.008	0.049	0	0	0	1	L
L PC-172851	PC-177181	B	4 ACSR	12.76Y	106.3	0.00	19.66	0.41	0	5	0	100	0.00	0.0	4.110	0.102	0	0	0	1	L
L PC-120816	PC-172851	B	4 ACSR	12.76Y	106.3	0.00	19.66	0.41	0	5	0	100	0.00	0.0	4.205	0.094	0	0	0	1	L
L PC-173704	PC-173703	ABC	1/0 ACSR	12.76Y	106.3	0.00	19.66	1.45	1	55	5	100	0.00	0.0	3.983	0.028	0	0	0	7	L
L PC-173778	PC-173704	ABC	1/0 ACSR	12.76Y	106.3	0.00	19.66	1.45	1	55	5	100	0.00	0.0	4.047	0.064	0	0	0	7	L
L PC-181083	PC-173778	ABC	1/0 URD PR	12.76Y	106.3	0.00	19.66	0.00	0	0	0	100	0.00	0.0	4.084	0.036	0	0	0	0	L
L PC-173706	PC-173778	C	2 ACSR	12.76Y	106.3	0.00	19.66	4.35	2	55	5	100	0.00	0.0	4.049	0.002	0	0	0	7	L
L PC-173707	PC-173706	C	2 ACSR	12.76Y	106.3	0.00	19.67	4.35	2	55	5	100	0.00	0.0	4.109	0.060	0	0	0	7	L
L PC-177182	PC-173707	C	2 ACSR	12.76Y	106.3	0.00	19.67	4.31	2	55	5	100	0.00	0.0	4.149	0.039	0	0	0	6	L
L PC-177183	PC-177182	C	2 ACSR	12.76Y	106.3	0.00	19.67	4.31	2	55	5	100	0.00	0.0	4.205	0.056	0	0	0	6	L
L PC-173799	PC-177183	C	2 ACSR	12.76Y	106.3	0.00	19.68	4.21	2	54	5	100	0.00	0.0	4.258	0.053	0	0	0	5	L
L PC-173780	PC-173799	C	2 ACSR	12.76Y	106.3	0.00	19.68	4.21	2	54	5	100	0.00	0.0	4.310	0.052	0	0	0	5	L
L PC-173800	PC-173780	C	2 ACSR	12.76Y	106.3	0.00	19.68	0.07	0	1	0	100	0.00	0.0	4.415	0.106	0	0	0	1	L
L PC-121262	PC-173780	C	4 ACSR	12.76Y	106.3	0.00	19.68	4.14	3	53	5	100	0.00	0.0	4.336	0.027	0	0	0	4	L
L PC-177035	PC-121262	C	4 ACSR	12.76Y	106.3	0.00	19.69	3.41	2	43	4	100	0.00	0.0	4.385	0.049	0	0	0	3	L
L PC-160225	PC-177035	C	4 ACSR	12.76Y	106.3	0.00	19.69	0.00	0	0	0	100	0.00	0.0	4.437	0.052	0	0	0	1	L
L PC-168687	PC-160225	C	4 ACSR	12.76Y	106.3	0.00	19.69	0.00	0	0	0	100	0.00	0.0	4.488	0.051	0	0	0	0	L
L PC-168686	PC-160225	C	4 ACSR	12.76Y	106.3	0.00	19.69	0.00	0	0	0	100	0.00	0.0	4.488	0.051	0	0	0	1	L
L PC-173781	PC-177183	C	2 ACSR	12.76Y	106.3	0.00	19.67	0.10	0	1	0	100	0.00	0.0	4.249	0.044	0	0	0	1	L
L PC-173705	PC-173781	C	2 ACSR	12.76Y	106.3	0.00	19.67	0.10	0	1	0	100	0.00	0.0	4.294	0.045	0	0	0	1	L
L PC-123259	PC-173705	C	4 ACSR	12.76Y	106.3	0.00	19.67	0.10	0	1	0	100	0.00	0.0	4.404	0.109	0	0	0	1	L
L PC-173776	PC-173797	ABC	336.4 ACSR	12.76Y	106.3	0.00	19.66	20.16	4	769	67	100	0.02	0.0	3.734	0.053	0	0	0	189	L
L PC-124157	PC-173776	ABC	336.4 ACSR	12.76Y	106.3	0.00	19.67	20.16	4	769	67	100	0.02	0.0	3.798	0.064	0	0	0	189	L
L PC-172957	PC-124157	ABC	336.4 ACSR	12.76Y	106.3	0.00	19.67	20.16	4	769	67	100	0.02	0.0	3.862	0.065	0	0	0	189	L
L PC-125913	PC-172957	ABC	336.4 ACSR	12.76Y	106.3	0.00	19.67	20.16	4	769	67	100	0.01	0.0	3.881	0.018	0	0	0	189	L
L PC-125914	PC-125913	A	4 ACSR	12.76Y	106.3	0.00	19.67	2.17	2	28	2	100	0.00	0.0	3.886	0.006	0	0	0	12	L
L PC-173390	PC-125914	A	4 ACSR	12.76Y	106.3	0.00	19.67	2.17	2	28	2	100	0.00	0.0	3.912	0.026	0	0	0	12	L
L PC-133042	PC-173390	A	4 ACSR	12.76Y	106.3	0.00	19.67	1.89	1	24	2	100	0.00	0.0	3.959	0.047	0	0	0	10	L
L PC-172963	PC-133042	A	4 ACSR	12.76Y	106.3	0.00	19.67	0.70	1	9	1	99	0.00	0.0	4.004	0.044	0	0	0	1	L
L PC-172958	PC-133042	A	4 ACSR	12.76Y	106.3	0.00	19.68	1.19	1	15	1	100	0.00	0.0	4.043	0.084	0	0	0	9	L
L PC-172850	PC-172958	A	4 ACSR	12.76Y	106.3	0.00	19.68	1.07	1	14	1	100	0.00	0.0	4.089	0.046	0	0	0	8	L
L PC-132741	PC-172850	A	4 ACSR	12.76Y	106.3	0.00	19.68	0.70	0	9	1	99	0.00	0.0	4.186	0.097	0	0	0	6	L
L PC-172955	PC-132741	A	4 ACSR	12.76Y	106.3	0.00	19.68	0.39	0	5	0	100	0.00	0.0	4.221	0.035	0	0	0	4	L
L PC-177034	PC-172955	A	4 ACSR	12.76Y	106.3	0.00	19.68	0.17	0	2	0	100	0.00	0.0	4.329	0.108	0	0	0	3	L
L PC-124180	PC-177034	A	4 ACSR	12.76Y	106.3	0.00	19.68	0.16	0	2	0	100	0.00	0.0	4.380	0.052	0	0	0	1	L
L PC-121269	PC-172955	A	4 ACSR	12.76Y	106.3	0.00	19.68	0.22	0	3	0	100	0.00	0.0	4.348	0.127	0	0	0	1	L
L PC-120996	PC-172850	A	4 ACSR	12.76Y	106.3	0.00	19.68	0.18	0	2	0	100	0.00	0.0	4.171	0.082	0	0	0	1	L
L PC-120764	PC-172850	A	4 ACSR	12.76Y	106.3	0.00	19.68	0.19	0	2	0	100	0.00	0.0	4.131	0.042	0	0	0	1	L
L PC-120762	PC-172958	A	4 ACSR	12.76Y	106.3	0.00	19.68	0.12	0	2	0	100	0.00	0.0	4.085	0.042	0	0	0	1	L
L PC-125912	PC-125913	ABC	336.4 ACSR	12.76Y	106.3	0.00	19.67	19.39	4	739	65	100	0.02	0.0	3.932	0.051	0	0	0	176	L
L PC-121105	PC-125912	ABC	336.4 ACSR	12.76Y	106.3	0.00	19.67	19.39	4	739	64	100	0.01	0.0	3.959	0.027	0	0	0	176	L
L PC-122962	PC-121105	ABC	336.4 ACSR	12.76Y	106.3	0.00	19.68	19.36	4	738	64	100	0.02	0.0	4.008	0.049	0	0	0	175	L
L PC-123122	PC-122962	ABC	336.4 ACSR	12.76Y	106.3	0.00	19.68	19.35	4	738	64	100	0.01	0.0	4.044	0.036	0	0	0	174	L
L PC-172849	PC-123122	ABC	336.4 ACSR	12.76Y	106.3	0.00	19.68	16.03	3	611	53	100	0.01	0.0	4.084	0.041	0	0	0	152	L
L PC-123898	PC-172849	ABC	336.4 ACSR	12.76Y	106.3	0.00	19.68	16.03	3	611	53	100	0.01	0.0	4.131	0.046	0	0	0	152	L
L PC-172848	PC-123898	C	4 ACSR	12.76Y	106.3	0.00	19.68	2.43	2	31	3	100	0.00	0.0	4.137	0.006	0	0	0	8	L
L PC-177042	PC-172848	C	4 ACSR	12.76Y	106.3	0.00	19.68	2.43	2	31	3	100	0.00	0.0	4.158	0.022	0	0	0	8	L
L PC-177043	PC-177042	C	4 ACSR	12.76Y	106.3	0.00	19.69	1.85	1	24	2	100	0.00	0.0	4.202	0.044	0	0	0	6	L
L PC-166649	PC-177043	C	4 ACSR	12.76Y	106.3	0.00	19.69	1.85	1	24	2	100	0.00	0.0	4.229	0.027	0	0	0	5	L
L PC-123123	PC-166649	C	4 ACSR	12.76Y	106.3	0.00	19.69	0.82	1	10	1	100	0.00	0.0	4.309	0.080	0	0	0	1	L
L PC-121261	PC-166649	C	4 ACSR	12.76Y	106.3	0.00	19.69	1.04	1	13	1	100	0.00	0.0	4.284	0.055	0	0	0	4	L
L PC-177036	PC-121261	C	4 ACSR	12.76Y	106.3	0.00	19.69	0.93	1	12	1	100	0.00	0.0	4.321	0.037	0	0	0	3	L
L PC-121264	PC-177036	C	4 ACSR	12.76Y	106.3	0.00	19.69	0.93	1	12	1	100	0.00	0.0	4.365	0.044	0	0	0	3	L
L PC-177037	PC-121264	C	4 ACSR	12.76Y	106.3	0.00	19.69	0.53	0	7	1	99	0.00	0.0	4.441	0.076	0	0	0	1	L
L PC-172847	PC-123898	B	4 ACSR	12.76Y	106.3	0.00	19.68	0.83	1	11	1	100	0.00	0.0	4.193	0.062	0	0	0	2	L
L PC-172846	PC-123898	ABC	336.4 ACSR	12.76Y	106.3	0.00	19.69	14.84	3	566	49	100	0.01	0.0	4.208	0.077	0	0	0	141	L
L PC-122266	PC-172846	B	4 ACSR	12.76Y	106.3	0.00	19.69	1.99	1	25	2	100	0.00	0.0	4.213	0.006	0	0	0	6	L
L PC-122467	PC-122266	B	4 ACSR	12.76Y	106.3	0.00	19.69	1.99	1	25	2	100	0.00	0.0	4.277	0.063	0	0	0	6	L
L PC-133052	PC-122467	B	4 ACSR	12.76Y	106.3	0.00	19.69	1.49	1	19	2	99	0.00	0.0	4.317	0.040	0	0	0	4	L
L PC-122641	PC-133052	B	4 ACSR	12.76Y	106.3	0.00	19.69	1.03	1	13	1	100	0.00	0.0	4.380	0.063	0	0	0	3	L
L PC-122265	PC-172846	ABC	336.4 ACSR	12.76Y	106.3	0.00	19.69	13.95	3	532	46	100	0.01	0.0	4.245	0.038	0	0	0	134	L
L PC-172917	PC-122265	ABC	336.4 ACSR	12.76Y	106.3	0.00	19.69	13.83	3	527	46	100	0.01	0.0	4.293	0.048	0	0	0	132	L
L PC-177016	PC-172917	C	4 ACSR	12.76Y	106.3	0.00	19.69	1.62	1	21	2	100	0.00	0.0	4.299	0.006	0	0	0	6	L
L PC-122386	PC-177016	C	4 ACSR	12.76Y	106.3	0.00	19.69	1.62	1	21	2	100	0.00	0.0	4.335	0.035	0	0	0	6	L
L PC-133134	PC-122386	C	4 ACSR	12.76Y	106.3	0.00	19.69	0.44	0	6	0	100	0.00	0.0	4.394	0.060	0	0	0	3	L
L PC-173388	PC-133134	C	4 ACSR	12.76Y	106.3	0.00	19.69	0.41	0	5	0	100	0.00	0.0	4.510	0.116	0	0	0	2	L
L PC-173389	PC-173388	C	4 ACSR	12.76Y	106.3	0.00	19.69	0.00	0	0	0	100	0.00	0.0	4.611	0.100	0	0	0	1	L
L PC-129283	PC-173389	C	2 ACSR	12.76Y	106.3	0.00	19.69	0.00	0	0	0	100	0.00	0.0	4.668	0.057	0	0	0	1	L
L PC-124153	PC-173388	C	4 ACSR	12.76Y	106.3	0.00	19.69	0.41	0	5	0	100	0.00	0.0	4.557	0.047	0	0	0	1	L
L PC-177015	PC-172917	B	4 ACSR	12.76Y	106.3	0.00	19.69	5.62	4	71	6	100	0.00	0.0	4.299	0.006	0	0	0	12	L

Balanced Voltage Drop Report
Source: NINEVAH

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\BASE WINTER SUB ALLOCATION.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L PC-172962	PC-177015	B	4 ACSR	12.76Y	106.3	0.01	19.70	5.62	4	71	6	100	0.01	0.0	4.376	0.076	0	0	0	12	L
L PC-173394	PC-172962	B	4 ACSR	12.76Y	106.3	0.00	19.70	5.15	4	65	6	100	0.00	0.0	4.412	0.037	0	0	0	10	L
L PC-123923	PC-173394	B	4 ACSR	12.75Y	106.3	0.01	19.71	5.05	4	64	6	100	0.00	0.0	4.465	0.053	0	0	0	9	L
L PC-173393	PC-123923	B	4 ACSR	12.75Y	106.3	0.00	19.71	3.38	2	43	4	100	0.00	0.0	4.522	0.058	0	0	0	7	L
L PC-177041	PC-173393	B	4 ACSR	12.75Y	106.3	0.00	19.71	0.71	1	9	1	99	0.00	0.0	4.580	0.058	0	0	0	1	L
L PC-172961	PC-173393	B	4 ACSR	12.75Y	106.3	0.00	19.72	1.60	1	20	2	100	0.00	0.0	4.599	0.077	0	0	0	4	L
L PC-124435	PC-172917	ABC	336.4 ACSR	12.76Y	106.3	0.00	19.69	11.24	2	428	37	100	0.01	0.0	4.349	0.055	0	0	0	113	L
L PC-172918	PC-124435	C	2 ACSR	12.76Y	106.3	0.00	19.69	0.48	0	6	1	99	0.00	0.0	4.354	0.006	0	0	0	1	L
L PC-124175	PC-172918	C	2 ACSR	12.76Y	106.3	0.00	19.69	0.48	0	6	1	99	0.00	0.0	4.413	0.059	0	0	0	1	L
L PC-173335	PC-124435	ABC	336.4 ACSR	12.76Y	106.3	0.00	19.69	11.08	2	422	37	100	0.01	0.0	4.411	0.062	0	0	0	112	L
L PC-123257	PC-173335	ABC	336.4 ACSR	12.76Y	106.3	0.00	19.69	11.08	2	422	37	100	0.00	0.0	4.447	0.036	0	0	0	112	L
L PC-177012	PC-123257	ABC	336.4 ACSR	12.76Y	106.3	0.00	19.70	11.06	2	422	37	100	0.01	0.0	4.504	0.058	0	0	0	111	L
L PC-120025	PC-177012	ABC	336.4 ACSR	12.76Y	106.3	0.00	19.70	11.06	2	422	37	100	0.01	0.0	4.569	0.064	0	0	0	111	L
L PC-177011	PC-120025	C	4 ACSR	12.76Y	106.3	0.00	19.70	0.16	0	2	0	100	0.00	0.0	4.620	0.051	0	0	0	2	L
L PC-177010	PC-120025	ABC	336.4 ACSR	12.76Y	106.3	0.00	19.70	11.01	2	420	37	100	0.01	0.0	4.672	0.103	0	0	0	108	L
L PC-133139	PC-177010	ABC	336.4 ACSR	12.76Y	106.3	0.00	19.70	11.01	2	420	37	100	0.01	0.0	4.723	0.051	0	0	0	108	L
L PC-123735	PC-133139	ABC	336.4 ACSR	12.76Y	106.3	0.00	19.70	10.98	2	419	36	100	0.01	0.0	4.794	0.071	0	0	0	105	L
L PC-133102	PC-123735	ABC	336.4 ACSR	12.76Y	106.3	0.00	19.71	10.98	2	419	36	100	0.01	0.0	4.870	0.075	0	0	0	105	L
L PC-172824	PC-133102	ABC	336.4 ACSR	12.75Y	106.3	0.00	19.71	10.91	2	416	36	100	0.01	0.0	4.952	0.082	0	0	0	104	L
L PC-172914	PC-172824	ABC	336.4 ACSR	12.75Y	106.3	0.00	19.71	10.66	2	407	35	100	0.01	0.0	5.011	0.060	0	0	0	103	L
L PC-177032	PC-172914	ABC	336.4 ACSR	12.75Y	106.3	0.00	19.71	10.66	2	407	35	100	0.01	0.0	5.067	0.055	0	0	0	103	L
L PC-172953	PC-177032	C	4 ACSR	12.75Y	106.3	0.00	19.71	4.43	3	56	5	100	0.00	0.0	5.072	0.006	0	0	0	15	L
L PC-172843	PC-172953	C	4 ACSR	12.75Y	106.3	0.00	19.71	4.43	3	56	5	100	0.00	0.0	5.081	0.008	0	0	0	15	L
L PC-123663	PC-172843	C	4 ACSR	12.75Y	106.3	0.00	19.72	4.06	3	52	4	100	0.00	0.0	5.118	0.037	0	0	0	13	L
L PC-172844	PC-123663	C	4 ACSR	12.75Y	106.3	0.00	19.72	1.12	1	14	1	100	0.00	0.0	5.155	0.037	0	0	0	8	L
L PC-133108	PC-172844	C	4 ACSR	12.75Y	106.3	0.00	19.72	1.12	1	14	1	100	0.00	0.0	5.172	0.017	0	0	0	8	L
L PC-123216	PC-133108	C	4 ACSR	12.75Y	106.3	0.00	19.72	1.10	1	14	1	100	0.00	0.0	5.200	0.028	0	0	0	7	L
L PC-133147	PC-123216	C	4 ACSR	12.75Y	106.3	0.00	19.72	0.00	0	0	0	100	0.00	0.0	5.230	0.030	0	0	0	0	L
L PC-115066	PC-133147	C	4 ACSR	12.75Y	106.3	0.00	19.72	0.00	0	0	0	100	0.00	0.0	5.258	0.028	0	0	0	0	L
L PC-124486	PC-123216	C	4 ACSR	12.75Y	106.3	0.00	19.72	0.88	1	11	1	100	0.00	0.0	5.272	0.072	0	0	0	5	L
L PC-133140	PC-124486	C	4 ACSR	12.75Y	106.3	0.00	19.72	0.67	0	9	1	99	0.00	0.0	5.323	0.051	0	0	0	4	L
L PC-172964	PC-133140	C	4 ACSR	12.75Y	106.3	0.00	19.72	0.49	0	6	1	99	0.00	0.0	5.366	0.043	0	0	0	3	L
L PC-173397	PC-172964	C	4 ACSR	12.75Y	106.3	0.00	19.72	0.00	0	0	0	100	0.00	0.0	5.404	0.038	0	0	0	0	L
L PC-173383	PC-177032	B	4 ACSR	12.75Y	106.3	0.00	19.71	2.95	2	37	3	100	0.00	0.0	5.072	0.006	0	0	0	17	L
L PC-122221	PC-173383	B	4 ACSR	12.75Y	106.3	0.00	19.71	2.95	2	37	3	100	0.00	0.0	5.094	0.022	0	0	0	17	L
L PC-127168	PC-122221	B	4 ACSR	12.75Y	106.3	0.00	19.72	2.84	2	36	3	100	0.00	0.0	5.129	0.034	0	0	0	16	L
L PC-126017	PC-127168	B	4 ACSR	12.75Y	106.3	0.00	19.72	2.32	2	29	3	99	0.00	0.0	5.185	0.056	0	0	0	12	L
L PC-121831	PC-126017	B	4 ACSR	12.75Y	106.3	0.00	19.72	1.75	1	22	2	100	0.00	0.0	5.242	0.057	0	0	0	7	L
L PC-119082	PC-121831	B	4 ACSR	12.75Y	106.3	0.00	19.72	0.97	1	12	1	100	0.00	0.0	5.302	0.060	0	0	0	4	L
L PC-173396	PC-119082	B	4 ACSR	12.75Y	106.3	0.00	19.72	0.35	0	4	0	100	0.00	0.0	5.326	0.024	0	0	0	2	L
L PC-121570	PC-119082	B	4 ACSR	12.75Y	106.3	0.00	19.72	0.00	0	0	0	100	0.00	0.0	5.361	0.058	0	0	0	0	L
L PC-121171	PC-177032	ABC	336.4 ACSR	12.75Y	106.3	0.00	19.71	8.06	2	307	27	100	0.00	0.0	5.150	0.084	0	0	0	68	L
L PC-177033	PC-121171	ABC	336.4 ACSR	12.75Y	106.3	0.00	19.72	6.47	1	246	21	100	0.00	0.0	5.239	0.088	0	0	0	49	L
L PC-177045	PC-177033	ABC	336.4 ACSR	12.75Y	106.3	0.00	19.72	6.44	1	246	21	100	0.00	0.0	5.323	0.084	0	0	0	48	L
L PC-182102	PC-177045	ABC	336.4 ACSR	12.75Y	106.3	0.00	19.72	6.16	1	235	20	100	0.00	0.0	5.339	0.016	0	0	0	46	L
L PC-182101	PC-182102	ABC	336.4 ACSR	12.75Y	106.3	0.00	19.72	6.16	1	235	20	100	0.00	0.0	5.369	0.030	0	0	0	46	L
L PC-177149	PC-182101	ABC	336.4 ACSR	12.75Y	106.3	0.00	19.72	6.16	1	235	20	100	0.00	0.0	5.419	0.050	0	0	0	46	L
L PC-177148	PC-177149	C	4 ACSR	12.75Y	106.3	0.00	19.72	0.00	0	0	0	100	0.00	0.0	5.425	0.006	0	0	0	1	L
L PC-122219	PC-177148	C	4 ACSR	12.75Y	106.3	0.00	19.72	0.00	0	0	0	100	0.00	0.0	5.506	0.081	0	0	0	1	L
L PC-123731	PC-122219	C	4 ACSR	12.75Y	106.3	0.00	19.72	0.00	0	0	0	100	0.00	0.0	5.599	0.092	0	0	0	1	L
L PC-123333	PC-177149	ABC	336.4 ACSR	12.75Y	106.3	0.00	19.72	6.16	1	235	20	100	0.00	0.0	5.466	0.047	0	0	0	45	L
L PC-177147	PC-123333	ABC	4 ACSR	12.75Y	106.3	0.00	19.72	0.00	0	0	0	100	0.00	0.0	5.495	0.028	0	0	0	0	L
L PC-123115	PC-177147	ABC	4 ACSR	12.75Y	106.3	0.00	19.72	0.00	0	0	0	100	0.00	0.0	5.500	0.006	0	0	0	0	L
L S184-A	PC-123115	ABC	Open	12.75Y	106.3	0.00	19.72	0.00	0	0	0	100	0.00	0.0	5.500	0.006	0	0	0	0	L
L PC-173715	PC-123333	ABC	336.4 ACSR	12.75Y	106.3	0.00	19.72	6.16	1	235	20	100	0.00	0.0	5.500	0.033	0	0	0	45	L
L PC-173763	PC-173715	ABC	336.4 ACSR	12.75Y	106.3	0.00	19.72	6.16	1	235	20	100	0.00	0.0	5.502	0.002	0	0	0	45	L
L D101352	PC-173763	ABC	REC_35_L	12.75Y	106.3	0.00	19.72	6.16	0	235	20	100	0.00	0.0	5.502	0.002	0	0	0	45	L
L PC-173726	D101352	ABC	336.4 ACSR	12.75Y	106.3	0.00	19.72	6.16	1	235	20	100	0.00	0.0	5.550	0.048	0	0	0	45	L
L PC-173729	PC-173726	C	2 ACSR	12.75Y	106.3	0.00	19.72	2.21	1	28	2	100	0.00	0.0	5.553	0.003	0	0	0	5	L
L PC-173766	PC-173729	C	2 ACSR	12.75Y	106.3	0.00	19.72	2.21	1	28	2	100	0.00	0.0	5.606	0.054	0	0	0	5	L
L PC-173688	PC-173766	C	2 ACSR	12.75Y	106.3	0.00	19.72	0.73	0	9	1	99	0.00	0.0	5.650	0.044	0	0	0	3	L
L PC-173689	PC-173688	C	2 ACSR	12.75Y	106.3	0.00	19.72	0.73	0	9	1	99	0.00	0.0	5.667	0.017	0	0	0	3	L
L PC-122382	PC-173766	C	2 ACSR	12.75Y	106.3	0.00	19.72	0.15	0	2	0	100	0.00	0.0	5.626	0.020	0	0	0	1	L
L PC-173728	PC-173726	ABC	336.4 ACSR	12.75Y	106.3	0.00	19.72	5.42	1	207	18	100	0.00	0.0	5.589	0.039	0	0	0	40	L
L PC-177152	PC-173728	ABC	336.4 ACSR	12.75Y	106.3	0.00	19.72	5.42	1	207	18	100	0.00	0.0	5.629	0.040	0	0	0	40	L
L PC-177153	PC-177152	ABC	336.4 ACSR	12.75Y	106.3	0.00	19.72	5.42	1	207	18	100	0.00	0.0	5.680	0.051	0	0	0	39	L
L PC-177154	PC-177153	ABC	336.4 ACSR	12.75Y	106.3	0.00	19.72	5.42	1	207	18	100	0.00	0.0	5.730	0.050	0	0	0	39	L
L PC-177150	PC-177154	C	2 ACSR	12.75Y	106.3	0.00	19.72	1.29	1	16	1	100	0.00	0.0	5.735	0.006	0	0	0	1	L
L PC-131096	PC-177150	C	2 ACSR	12.75Y	106.3	0.00	19.73	1.29	1	16	1	100	0.00	0.0	5.785	0.050	0	0	0	1	L
L PC-123875	PC-131096	C	2 ACSR	12.75Y	106.3	0.00	19.73	1.29	1	16	1	100	0.00	0.0	5.846	0.061	0	0	0	1	L
L PC-173716	PC-177154	ABC	336.4 ACSR	12.75Y	106.3	0.00	19.72	4.99	1	190	17	100	0.00	0.0	5.764	0.034	0	0	0	38	L
L PC-173751	PC-173716	ABC	336.4 ACSR	12.75Y	106.3	0.00	19.73	4.99	1	190	17	100	0.00	0.0	5.825	0.062	0	0	0	38	L
L PC-173717	PC-173751	ABC	336.4 ACSR	12.75Y	106.3	0.00	19.73	4.99	1	190	17	100	0.00	0.0	5.888	0.063	0	0	0	38	L
L PC-173752	PC-173717	ABC	336.4 ACSR	12.75Y	106.3	0.00	19.73	4.99	1	190	17	100	0.00	0.0	5.950	0.062	0	0	0	38	L
L PC-173518	PC-173752	ABC	336.4 ACSR	12.75Y	106.3	0.00	19.73	4.99	1	190	17	100	0.00	0.0	6.012	0.063	0	0	0	38	L
L PC-173519	PC-173518	ABC	336.4 ACSR	12.75Y	106.3	0.00	19.73	4.99	1	190	17	100	0.00	0.0	6.074	0.062	0	0	0	38	L
L PC-173675	PC-173519	ABC	336.4 ACSR	12.75Y	106.3	0.00	19.73	4.99	1	190	17	100	0.00	0.0	6.134	0.060	0	0	0	38	L
L PC-173676	PC-173675	ABC	336.4 ACSR	12.75Y	106.3	0.00	19.73	4.99	1	190	17	100	0.00	0.0	6.187	0.053	0	0	0	38	L
L PC-173753	PC-173676	ABC	336.4 ACSR	12.75Y	106.3	0.00	19.73	4.99	1	190	17	100	0.00	0.0	6.247	0.060	0	0	0	38	L
L PC-173718	PC-173753	ABC	336.4 ACSR	12.75Y	106.3	0.00	19.73	4.99	1	190	17	100	0.00	0.0	6.300	0.053	0	0	0	38	L

Balanced Voltage Drop Report
Source: NINEVAH

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\BASE WINTER SUB ALLOCATION.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L PC-173754	PC-173718	ABC	336.4 ACSR	12.75Y	106.3	0.00	19.73	4.99	1	190	17	100	0.00	0.0	6.351	0.051	0	0	0	38	L
L PC-173719	PC-173754	ABC	336.4 ACSR	12.75Y	106.3	0.00	19.73	4.99	1	190	17	100	0.00	0.0	6.402	0.050	0	0	0	38	L
L PC-173755	PC-173719	ABC	336.4 ACSR	12.75Y	106.3	0.00	19.73	4.99	1	190	17	100	0.00	0.0	6.472	0.071	0	0	0	38	L
L PC-177155	PC-173755	ABC	336.4 ACSR	12.75Y	106.3	0.00	19.74	4.99	1	190	17	100	0.00	0.0	6.522	0.049	0	0	0	38	L
L PC-177156	PC-177155	ABC	336.4 ACSR	12.75Y	106.3	0.00	19.74	0.05	0	2	0	100	0.00	0.0	6.557	0.035	0	0	0	2	L
L PC-177157	PC-177156	ABC	336.4 ACSR	12.75Y	106.3	0.00	19.74	0.05	0	2	0	100	0.00	0.0	6.582	0.026	0	0	0	2	L
L PC-177158	PC-177157	ABC	336.4 ACSR	12.75Y	106.3	0.00	19.74	0.05	0	2	0	100	0.00	0.0	6.651	0.069	0	0	0	2	L
L PC-173756	PC-177158	ABC	336.4 ACSR	12.75Y	106.3	0.00	19.74	0.05	0	2	0	100	0.00	0.0	6.713	0.062	0	0	0	1	L
L PC-177166	PC-173756	ABC	336.4 ACSR	12.75Y	106.3	0.00	19.74	0.00	0	0	0	100	0.00	0.0	6.729	0.015	0	0	0	0	L
L S810-A	PC-177166	ABC	Open	12.75Y	106.3	0.00	19.74	0.00	0	0	0	100	0.00	0.0	6.729	0.015	0	0	0	0	L
L PC-177151	PC-173756	A	4 ACSR	12.75Y	106.3	0.00	19.74	0.14	0	2	0	100	0.00	0.0	6.721	0.007	0	0	0	1	L
L PC-115114	PC-177151	A	4 ACSR	12.75Y	106.3	0.00	19.74	0.14	0	2	0	100	0.00	0.0	6.749	0.029	0	0	0	1	L
L PC-173757	PC-177155	C	4 ACSR	12.75Y	106.3	0.00	19.74	14.31	10	182	16	100	0.00	0.0	6.525	0.004	0	0	0	35	L
L PC-173720	PC-173757	C	4 ACSR	12.75Y	106.2	0.02	19.75	14.31	10	182	16	100	0.03	0.0	6.580	0.055	0	0	0	35	L
L PC-120731	PC-173720	C	4 ACSR	12.75Y	106.2	0.01	19.77	13.12	9	167	14	100	0.02	0.0	6.629	0.048	0	0	0	33	L
L PC-121271	PC-120731	C	4 ACSR	12.75Y	106.2	0.00	19.77	0.49	0	6	1	99	0.00	0.0	6.669	0.041	0	0	0	1	L
L PC-120692	PC-120731	C	4 ACSR	12.75Y	106.2	0.01	19.77	11.38	8	145	13	100	0.01	0.0	6.658	0.029	0	0	0	29	L
L PC-120618	PC-120692	C	4 ACSR	12.75Y	106.2	0.00	19.77	1.60	1	20	2	100	0.00	0.0	6.680	0.022	0	0	0	3	L
L PC-132922	PC-120618	C	4 ACSR	12.75Y	106.2	0.00	19.78	1.60	1	20	2	100	0.00	0.0	6.723	0.043	0	0	0	3	L
L PC-124289	PC-132922	C	4 ACSR	12.75Y	106.2	0.00	19.78	1.00	1	13	1	100	0.00	0.0	6.760	0.037	0	0	0	2	L
L PC-120727	PC-120692	C	4 ACSR	12.75Y	106.2	0.01	19.78	9.27	7	118	10	100	0.01	0.0	6.696	0.038	0	0	0	25	L
L PC-124292	PC-120727	C	4 ACSR	12.75Y	106.2	0.00	19.78	0.76	1	10	1	100	0.00	0.0	6.736	0.040	0	0	0	2	L
L PC-122645	PC-120727	C	4 ACSR	12.75Y	106.2	0.01	19.79	8.52	6	108	9	100	0.01	0.0	6.733	0.038	0	0	0	23	L
L PC-122712	PC-122645	C	4 ACSR	12.74Y	106.2	0.01	19.80	8.52	6	108	9	100	0.01	0.0	6.773	0.040	0	0	0	23	L
L PC-126321	PC-122712	C	4 ACSR	12.74Y	106.2	0.00	19.80	5.34	4	68	6	100	0.00	0.0	6.807	0.034	0	0	0	15	L
L PC-120997	PC-126321	C	4 ACSR	12.74Y	106.2	0.00	19.80	3.93	3	50	4	100	0.00	0.0	6.837	0.030	0	0	0	10	L
L PC-120763	PC-120997	C	4 ACSR	12.74Y	106.2	0.00	19.81	3.74	3	47	4	100	0.00	0.0	6.884	0.047	0	0	0	8	L
L PC-133043	PC-120763	C	4 ACSR	12.74Y	106.2	0.00	19.81	3.20	2	41	4	100	0.00	0.0	6.923	0.039	0	0	0	6	L
L PC-123421	PC-133043	C	4 ACSR	12.74Y	106.2	0.00	19.81	2.10	1	27	2	100	0.00	0.0	6.945	0.022	0	0	0	4	L
L PC-123420	PC-123421	C	4 ACSR	12.74Y	106.2	0.00	19.81	2.10	1	27	2	100	0.00	0.0	6.978	0.033	0	0	0	4	L
L PC-120729	PC-120731	C	4 ACSR	12.75Y	106.2	0.00	19.77	1.25	1	16	1	100	0.00	0.0	6.671	0.042	0	0	0	3	L
L PC-173727	PC-177152	C	2 ACSR	12.75Y	106.3	0.00	19.72	0.01	0	0	0	100	0.00	0.0	5.630	0.001	0	0	0	1	L
L PC-173765	PC-173727	C	2 ACSR	12.75Y	106.3	0.00	19.72	0.01	0	0	0	100	0.00	0.0	5.686	0.057	0	0	0	1	L
L PC-172965	PC-177045	A	2 ACSR	12.75Y	106.3	0.00	19.72	0.58	0	7	1	99	0.00	0.0	5.327	0.004	0	0	0	1	L
L PC-168725	PC-172965	A	1/0 URD PR	12.75Y	106.3	0.00	19.72	0.58	0	7	1	99	0.00	0.0	5.458	0.131	0	0	0	1	L
L PC-172952	PC-121171	C	6 ACWC	12.75Y	106.3	0.00	19.71	1.69	1	21	2	100	0.00	0.0	5.156	0.006	0	0	0	9	L
L PC-121209	PC-172952	C	6 ACWC	12.75Y	106.3	0.00	19.72	1.69	1	21	2	100	0.00	0.0	5.193	0.037	0	0	0	9	L
L PC-122930	PC-121209	C	4 ACSR	12.75Y	106.3	0.00	19.72	0.99	1	13	1	100	0.00	0.0	5.217	0.025	0	0	0	4	L
L PC-177031	PC-122930	C	4 ACSR	12.75Y	106.3	0.00	19.72	0.43	0	5	0	100	0.00	0.0	5.268	0.051	0	0	0	2	L
L PC-122381	PC-177031	C	4 ACSR	12.75Y	106.3	0.00	19.72	0.22	0	3	0	100	0.00	0.0	5.303	0.035	0	0	0	1	L
L PC-119048	PC-121209	C	4 ACSR	12.75Y	106.3	0.00	19.72	0.70	1	9	1	99	0.00	0.0	5.231	0.038	0	0	0	5	L
L PC-123068	PC-119048	C	4 ACSR	12.75Y	106.3	0.00	19.72	0.32	0	4	0	100	0.00	0.0	5.269	0.038	0	0	0	2	L
L PC-173382	PC-121171	B	4 ACSR	12.75Y	106.3	0.00	19.71	2.91	2	37	3	100	0.00	0.0	5.156	0.005	0	0	0	9	L
L PC-127369	PC-173382	B	4 ACSR	12.75Y	106.3	0.00	19.72	2.91	2	37	3	100	0.00	0.0	5.185	0.029	0	0	0	9	L
L PC-121352	PC-127369	B	4 ACSR	12.75Y	106.3	0.00	19.72	2.77	2	35	3	100	0.00	0.0	5.223	0.038	0	0	0	8	L
L PC-122504	PC-121352	B	4 ACSR	12.75Y	106.3	0.00	19.72	2.64	2	34	3	100	0.00	0.0	5.261	0.038	0	0	0	7	L
L PC-121572	PC-122504	B	4 ACSR	12.75Y	106.3	0.00	19.72	1.89	1	24	2	100	0.00	0.0	5.298	0.037	0	0	0	5	L
L PC-121469	PC-121572	B	4 ACSR	12.75Y	106.3	0.00	19.72	1.56	1	20	2	100	0.00	0.0	5.334	0.035	0	0	0	3	L
L PC-119059	PC-121469	B	2 ACSR	12.75Y	106.3	0.00	19.72	0.18	0	2	0	100	0.00	0.0	5.363	0.030	0	0	0	1	L
L PC-121764	PC-122504	B	4 ACSR	12.75Y	106.3	0.00	19.72	0.01	0	0	0	100	0.00	0.0	5.331	0.069	0	0	0	1	L
L PC-121723	PC-121764	B	4 ACSR	12.75Y	106.3	0.00	19.72	0.01	0	0	0	100	0.00	0.0	5.371	0.040	0	0	0	1	L
L PC-119047	PC-172824	B	4 ACSR	12.75Y	106.3	0.00	19.71	0.73	1	9	1	99	0.00	0.0	5.019	0.067	0	0	0	1	L
L PC-173333	PC-119047	B	4 ACSR	12.75Y	106.3	0.00	19.71	0.73	1	9	1	99	0.00	0.0	5.096	0.078	0	0	0	1	L
L PC-121126	PC-173333	B	4 ACSR	12.75Y	106.3	0.00	19.71	0.73	1	9	1	99	0.00	0.0	5.152	0.056	0	0	0	1	L
L PC-124062	PC-123257	C	2 ACSR	12.76Y	106.3	0.00	19.69	0.06	0	1	0	100	0.00	0.0	4.511	0.064	0	0	0	1	L
L PC-123893	PC-122265	C	4 ACSR	12.76Y	106.3	0.00	19.69	0.28	0	4	0	100	0.00	0.0	4.284	0.039	0	0	0	1	L
L PC-124155	PC-123122	B	4 ACSR	12.76Y	106.3	0.00	19.68	8.89	6	113	10	100	0.00	0.0	4.049	0.006	0	0	0	19	L
L PC-133135	PC-124155	B	4 ACSR	12.76Y	106.3	0.01	19.69	8.89	6	113	10	100	0.01	0.0	4.076	0.027	0	0	0	19	L
L PC-124465	PC-133135	B	4 ACSR	12.76Y	106.3	0.01	19.69	8.89	6	113	10	100	0.01	0.0	4.113	0.037	0	0	0	19	L
L PC-173387	PC-124465	B	4 ACSR	12.76Y	106.3	0.01	19.70	7.94	6	101	9	100	0.01	0.0	4.176	0.063	0	0	0	17	L
L PC-172956	PC-173387	B	4 ACSR	12.76Y	106.3	0.00	19.70	0.62	0	8	1	99	0.00	0.0	4.255	0.079	0	0	0	1	L
L PC-124500	PC-173387	B	4 ACSR	12.75Y	106.3	0.01	19.71	6.68	5	85	7	100	0.00	0.0	4.215	0.039	0	0	0	13	L
L PC-173386	PC-124500	B	4 ACSR	12.75Y	106.3	0.01	19.72	6.68	5	85	7	100	0.01	0.0	4.263	0.048	0	0	0	13	L
L PC-172599	PC-173386	B	4 ACSR	12.75Y	106.3	0.01	19.72	4.23	3	54	5	100	0.00	0.0	4.331	0.068	0	0	0	9	L
L PC-123733	PC-172599	B	4 ACSR	12.75Y	106.3	0.00	19.73	3.00	2	38	3	100	0.00	0.0	4.406	0.075	0	0	0	7	L
L PC-172841	PC-123733	B	4 ACSR	12.75Y	106.3	0.01	19.73	3.00	2	38	3	100	0.00	0.0	4.490	0.084	0	0	0	7	L
L PC-122987	PC-172841	B	4 ACSR	12.75Y	106.3	0.00	19.74	2.74	2	35	3	100	0.00	0.0	4.556	0.066	0	0	0	6	L
L PC-172842	PC-122987	B	4 ACSR	12.75Y	106.3	0.00	19.74	1.84	1	23	2	100	0.00	0.0	4.615	0.059	0	0	0	4	L
L PC-160535	PC-172842	B	4 ACSR	12.75Y	106.3	0.00	19.74	1.48	1	19	2	99	0.00	0.0	4.668	0.053	0	0	0	3	L
L PC-126046	PC-173386	B	4 ACSR	12.75Y	106.3	0.00	19.72	1.68	1	21	2	100	0.00	0.0	4.289	0.026	0	0	0	3	L
L PC-172598	PC-126046	B	4 ACSR	12.75Y	106.3	0.00	19.72	0.73	1	9	1	99	0.00	0.0	4.342	0.053	0	0	0	2	L
L PC-123900	PC-123122	C	4 ACSR	12.76Y	106.3	0.00	19.68	0.49	0	6	1	99	0.00	0.0	4.049	0.006	0	0	0	2	L
L PC-122948	PC-123900	C	4 ACSR	12.76Y	106.3	0.00	19.68	0.49	0	6	1	99	0.00	0.0	4.085	0.036	0	0	0	2	L
L PC-125911	PC-122948	C	4 ACSR	12.76Y	106.3	0.00	19.68	0.25	0	3	0	100	0.00	0.0	4.128	0.043	0	0	0	1	L
L PC-125910	PC-122948	C	4 ACSR	12.76Y	106.3	0.00	19.68	0.24	0	3	0	100	0.00	0.0	4.107	0.022	0	0	0	1	L
L PC-173391	PC-172960	B	4 ACSR	12.77Y	106.4	0.00	19.62	0.00	0	0	0	100	0.00	0.0	3.066	0.006	0	0	0	0	L
L PC-120754	PC-173391	B	4 ACSR	12.77Y	106.4	0.00	19.62	0.00	0	0	0	100	0.00	0.0	3.099	0.033	0	0	0	0	L
L PC-120706	PC-120754	B	4 ACSR	12.77Y	106.4	0.00	19.62	0.00	0	0	0	100	0.00	0.0	3.158	0.059	0	0	0	0	L
L PC-121081	PC-121400	C	4 ACSR	12.77Y	106.4	0.00	19.60	0.46	0	6	1	99	0.00	0.0	2.855	0.006	0	0	0	1	L
L PC-122999	PC-121081	C	4 ACSR	12.77Y	106.4	0.00	19.60	0.46	0	6	1	99	0.00	0.0	2.908	0.053	0	0	0	1	L

Balanced Voltage Drop Report
Source: NINEVAH

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\BASE WINTER SUB ALLOCATION.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L PC-123014	PC-122999	C	4 ACSR	12.77Y	106.4	0.00	19.60	0.00	0	0	0	100	0.00	0.0	3.041	0.132	0	0	0	0	L
L PC-177038	PC-177039	C	4 ACSR	12.77Y	106.5	0.00	19.55	2.14	2	27	2	100	0.00	0.0	2.215	0.006	0	0	0	8	L
L PC-122396	PC-177038	C	4 ACSR	12.77Y	106.5	0.00	19.55	2.14	2	27	2	100	0.00	0.0	2.288	0.073	0	0	0	8	L
L PC-177029	PC-122396	C	4 ACSR	12.77Y	106.4	0.00	19.55	1.39	1	18	2	99	0.00	0.0	2.407	0.118	0	0	0	6	L
L PC-177028	PC-177029	C	4 ACSR	12.77Y	106.4	0.00	19.55	0.49	0	6	1	99	0.00	0.0	2.506	0.100	0	0	0	4	L
L PC-121745	PC-177028	C	2 ACSR	12.77Y	106.4	0.00	19.55	0.49	0	6	1	99	0.00	0.0	2.584	0.078	0	0	0	3	L
L PC-123056	PC-177029	C	4 ACSR	12.77Y	106.4	0.00	19.55	0.90	1	11	1	100	0.00	0.0	2.482	0.075	0	0	0	2	L
L PC-177027	PC-123056	C	4 ACSR	12.77Y	106.4	0.00	19.56	0.90	1	11	1	100	0.00	0.0	2.541	0.059	0	0	0	2	L
L PC-115454	PC-177027	C	4 ACSR	12.77Y	106.4	0.00	19.56	0.90	1	11	1	100	0.00	0.0	2.594	0.053	0	0	0	2	L
L PC-173334	PC-115454	C	4 ACSR	12.77Y	106.4	0.00	19.56	0.20	0	3	0	100	0.00	0.0	2.645	0.051	0	0	0	1	L
L PC-120968	PC-173334	C	4 ACSR	12.77Y	106.4	0.00	19.56	0.20	0	3	0	100	0.00	0.0	2.680	0.036	0	0	0	1	L
L PC-172915	PC-115454	C	2 ACSR	12.77Y	106.4	0.00	19.56	0.70	0	9	1	99	0.00	0.0	2.677	0.083	0	0	0	1	L
L PC-177025	PC-122141	A	2 ACSR	12.78Y	106.5	0.00	19.53	0.97	1	12	1	100	0.00	0.0	2.047	0.006	0	0	0	2	L
L PC-125196	PC-177025	A	2 ACSR	12.78Y	106.5	0.00	19.53	0.97	1	12	1	100	0.00	0.0	2.102	0.055	0	0	0	2	L
L PC-132757	PC-125196	A	2 ACSR	12.78Y	106.5	0.00	19.53	0.74	0	9	1	99	0.00	0.0	2.131	0.029	0	0	0	1	L
L PC-113147	PC-113164	C	4 ACSR	12.78Y	106.5	0.00	19.53	1.54	1	20	2	100	0.00	0.0	2.036	0.080	0	0	0	2	L
L PC-113165	PC-113147	C	2 ACSR	12.78Y	106.5	0.00	19.53	0.62	0	8	1	99	0.00	0.0	2.072	0.035	0	0	0	1	L
L PC-122056	PC-113165	C	2 ACSR	12.78Y	106.5	0.00	19.53	0.00	0	0	0	100	0.00	0.0	2.104	0.032	0	0	0	0	L
L PC-167293	PC-122056	C	1/0 URD PR	12.78Y	106.5	0.00	19.53	0.00	0	0	0	100	0.00	0.0	2.109	0.006	0	0	0	0	L
L PC-167292	PC-167293	C	1/0 URD PR	12.78Y	106.5	0.00	19.53	0.00	0	0	0	100	0.00	0.0	2.139	0.030	0	0	0	0	L
L PC-172944	PC-123211	A	4 ACSR	12.78Y	106.5	0.00	19.50	1.65	1	21	2	100	0.00	0.0	1.660	0.006	0	0	0	9	L
L PC-122959	PC-172944	A	4 ACSR	12.78Y	106.5	0.00	19.50	1.65	1	21	2	100	0.00	0.0	1.686	0.026	0	0	0	9	L
L PC-174820	PC-122959	A	4 ACSR	12.78Y	106.5	0.00	19.50	1.65	1	21	2	100	0.00	0.0	1.741	0.056	0	0	0	9	L
L PC-174821	PC-174820	A	4 ACSR	12.78Y	106.5	0.00	19.50	1.41	1	18	2	99	0.00	0.0	1.781	0.040	0	0	0	6	L
L PC-131091	PC-174821	A	4 ACSR	12.78Y	106.5	0.00	19.50	1.20	1	15	1	100	0.00	0.0	1.818	0.037	0	0	0	5	L
L PC-172942	PC-131091	A	4 ACSR	12.78Y	106.5	0.00	19.50	1.20	1	15	1	100	0.00	0.0	1.858	0.040	0	0	0	5	L
L PC-173341	PC-172942	A	2 ACSR	12.78Y	106.5	0.00	19.50	0.00	0	0	0	100	0.00	0.0	1.934	0.076	0	0	0	0	L
L PC-124232	PC-172942	A	4 ACSR	12.78Y	106.5	0.00	19.50	1.13	1	14	1	100	0.00	0.0	1.932	0.074	0	0	0	4	L
L PC-173343	PC-123211	ABC	2 ACSR	12.78Y	106.5	0.01	19.50	17.62	10	673	60	100	0.04	0.0	1.687	0.033	0	0	0	163	L
L PC-122946	PC-173343	ABC	2 ACSR	12.78Y	106.5	0.02	19.52	17.62	10	673	60	100	0.10	0.0	1.760	0.073	0	0	0	163	L
L PC-155053	PC-122946	B	1/0 URD PR	12.78Y	106.5	0.00	19.52	0.41	0	5	0	100	0.00	0.0	1.766	0.006	0	0	0	1	L
L PC-155150	PC-155053	B	1/0 URD PR	12.78Y	106.5	0.00	19.52	0.41	0	5	0	100	0.00	0.0	1.799	0.033	0	0	0	1	L
L PC-121720	PC-122946	ABC	2 ACSR	12.78Y	106.5	0.02	19.54	17.49	10	668	60	100	0.10	0.0	1.839	0.079	0	0	0	162	L
L PC-121721	PC-121720	ABC	2 ACSR	12.78Y	106.5	0.00	19.54	17.49	10	667	60	100	0.01	0.0	1.845	0.006	0	0	0	162	L
L D3211	PC-121721	ABC	REC_70_E	12.78Y	106.5	0.00	19.54	17.49	0	667	60	100	0.00	0.0	1.845	0.006	0	0	0	162	L
L PC-174822	D3211	ABC	2 ACSR	12.77Y	106.5	0.01	19.54	17.49	10	667	60	100	0.05	0.0	1.881	0.036	0	0	0	162	L
L PC-175053	PC-174822	ABC	2 ACSR	12.77Y	106.4	0.01	19.56	17.30	10	660	59	100	0.08	0.0	1.946	0.065	0	0	0	160	L
L PC-122360	PC-175053	ABC	2 ACSR	12.77Y	106.4	0.02	19.57	17.12	10	654	58	100	0.09	0.0	2.019	0.073	0	0	0	159	L
L PC-122361	PC-122360	ABC	2 ACSR	12.77Y	106.4	0.01	19.58	17.12	10	654	58	100	0.07	0.0	2.074	0.055	0	0	0	159	L
L PC-122082	PC-122361	B	4 ACSR	12.77Y	106.4	0.00	19.59	2.52	2	32	3	100	0.00	0.0	2.082	0.008	0	0	0	4	L
L PC-121730	PC-122082	B	4 ACSR	12.77Y	106.4	0.00	19.59	2.52	2	32	3	100	0.00	0.0	2.129	0.047	0	0	0	4	L
L PC-172946	PC-121730	B	2 ACSR	12.77Y	106.4	0.00	19.59	1.74	1	22	2	100	0.00	0.0	2.185	0.056	0	0	0	3	L
L PC-114383	PC-172946	B	2 ACSR	12.77Y	106.4	0.00	19.59	1.74	1	22	2	100	0.00	0.0	2.235	0.050	0	0	0	3	L
L PC-173377	PC-114383	B	2 ACSR	12.77Y	106.4	0.00	19.59	0.07	0	1	0	100	0.00	0.0	2.278	0.043	0	0	0	2	L
L PC-124234	PC-173377	B	2 ACSR	12.77Y	106.4	0.00	19.59	0.07	0	1	0	100	0.00	0.0	2.334	0.056	0	0	0	2	L
L PC-123051	PC-124234	B	2 ACSR	12.77Y	106.4	0.00	19.59	0.01	0	0	0	100	0.00	0.0	2.384	0.051	0	0	0	1	L
L PC-121679	PC-124234	B	2 ACSR	12.77Y	106.4	0.00	19.59	0.06	0	1	0	100	0.00	0.0	2.378	0.044	0	0	0	1	L
L PC-120020	PC-121730	B	2 ACSR	12.77Y	106.4	0.00	19.59	0.78	0	10	1	100	0.00	0.0	2.153	0.024	0	0	0	1	L
L PC-121940	PC-122361	ABC	2 ACSR	12.77Y	106.4	0.01	19.59	16.28	9	621	56	100	0.04	0.0	2.112	0.038	0	0	0	155	L
L PC-172829	PC-121940	ABC	2 ACSR	12.77Y	106.4	0.02	19.61	16.09	9	614	55	100	0.09	0.0	2.192	0.080	0	0	0	154	L
L PC-174826	PC-172829	ABC	2 ACSR	12.77Y	106.4	0.01	19.62	16.09	9	614	55	100	0.08	0.0	2.260	0.069	0	0	0	154	L
L PC-175054	PC-174826	ABC	2 ACSR	12.76Y	106.4	0.02	19.64	16.05	9	612	55	100	0.11	0.0	2.358	0.097	0	0	0	152	L
L PC-173376	PC-175054	ABC	2 ACSR	12.76Y	106.3	0.02	19.66	15.58	9	594	53	100	0.08	0.0	2.436	0.078	0	0	0	146	L
L PC-116638	PC-173376	ABC	2 ACSR	12.76Y	106.3	0.00	19.66	15.58	9	594	53	100	0.00	0.0	2.437	0.001	0	0	0	145	L
L PC-122225	PC-116638	A C	2 ACSR	12.76Y	106.3	0.02	19.67	15.58	9	396	35	100	0.06	0.0	2.523	0.086	0	0	0	125	L
L PC-132713	PC-122225	A C	2 ACSR	12.75Y	106.3	0.05	19.73	15.58	9	396	35	100	0.18	0.0	2.773	0.250	0	0	0	125	L
L PC-123230	PC-132713	A C	4 ACSR	12.75Y	106.3	0.02	19.75	15.58	11	396	35	100	0.07	0.0	2.831	0.058	0	0	0	125	L
L MParent17	PC-123230	ABC	Node	12.75Y	106.3	0.00	19.75	15.58	0	396	35	100	0.00	0.0	2.831	0.058	0	0	0	144	L
L PC-122142	MParent17	ABC	2 ACSR	12.75Y	106.2	0.03	19.77	15.58	9	593	53	100	0.14	0.0	2.967	0.136	0	0	0	144	L
L PC-120739	PC-122142	ABC	2 ACSR	12.75Y	106.2	0.01	19.78	15.58	9	593	53	100	0.04	0.0	3.007	0.039	0	0	0	144	L
L PC-120922	PC-120739	C	4 ACSR	12.75Y	106.2	0.00	19.78	1.42	1	18	2	99	0.00	0.0	3.083	0.076	0	0	0	3	L
L PC-165007	PC-120922	C	1/0 URD PR	12.75Y	106.2	0.00	19.78	1.08	1	14	1	100	0.00	0.0	3.089	0.006	0	0	0	2	L
L PC-165006	PC-165007	C	1/0 URD PR	12.75Y	106.2	0.00	19.79	1.08	1	14	1	100	0.00	0.0	3.324	0.235	0	0	0	2	L
L PC-118813	PC-120739	ABC	2 ACSR	12.75Y	106.2	0.01	19.79	15.10	8	575	51	100	0.04	0.0	3.052	0.045	0	0	0	141	L
L PC-125690	PC-118813	B	4 ACSR	12.74Y	106.2	0.00	19.79	0.06	0	1	0	100	0.00	0.0	3.064	0.013	0	0	0	1	L
L PC-124855	PC-125690	B	4 ACSR	12.74Y	106.2	0.00	19.79	0.06	0	1	0	100	0.00	0.0	3.114	0.049	0	0	0	1	L
L PC-172577	PC-124855	B	4 ACSR	12.74Y	106.2	0.00	19.80	0.06	0	1	0	100	0.00	0.0	3.200	0.086	0	0	0	1	L
L PC-125689	PC-118813	ABC	2 ACSR	12.75Y	106.2	0.00	19.79	15.08	8	574	51	100	0.01	0.0	3.057	0.006	0	0	0	140	L
L S757-B	PC-125689	ABC	Closed	12.75Y	106.2	0.00	19.79	15.08	0	574	51	100	0.00	0.0	3.057	0.006	0	0	0	140	L
L S757-A	S757-B	ABC	Closed	12.75Y	106.2	0.00	19.79	15.08	0	574	51	100	0.00	0.0	3.057	0.006	0	0	0	140	L
L PC-132830	S757-A	ABC	2 ACSR	12.74Y	106.2	0.02	19.82	15.08	8	574	51	100	0.13	0.0	3.192	0.134	0	0	0	140	L
L PC-123247	PC-132830	ABC	2 ACSR	12.74Y	106.2	0.01	19.83	15.08	8	574	51	100	0.07	0.0	3.267	0.075	0	0	0	140	L
L PC-126937	PC-123247	ABC	2 ACSR	12.74Y	106.2	0.01	19.84	15.08	8	574	51	100	0.04	0.0	3.309	0.042	0	0	0	140	L
L PC-122423	PC-126937	ABC	2 ACSR	12.74Y	106.2	0.01	19.84	15.01	8	572	51	100	0.03	0.0	3.339	0.029	0	0	0	139	L
L PC-120918	PC-122423	ABC	2 ACSR	12.74Y	106.1	0.01	19.85	14.94	8	569	50	100	0.06	0.0	3.402	0.064	0	0	0	138	L
L PC-126288	PC-120918	ABC	2 ACSR	12.74Y	106.1	0.00	19.86	14.94	8	569	50	100	0.02	0.0	3.424	0.021	0	0	0	138	L
L PC-123249	PC-126288	ABC	2 ACSR	12.74Y	106.1	0.01	19.87	14.94	8	569	50	100	0.04	0.0	3.470	0.047	0	0	0	138	L
L PC-132914	PC-123249	ABC	2 ACSR	12.73Y	106.1	0.01	19.88	14.94	8	569	50	100	0.05	0.0	3.526	0.056	0	0	0	138	L
L PC-121098	PC-132914	ABC	2 ACSR	12.73Y	106.1	0.01	19.89	14.94	8	569	50	100	0.06	0.0	3.593	0.067	0	0	0	138	L
L PC-123304	PC-121098	ABC	1/0 ACSR	12.73Y	106.1	0.01	19.90	14.94	6	569	50	100	0.06	0.0	3.695	0.102	0	0	0	138	L

Balanced Voltage Drop Report
Source: NINEVAH

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\BASE WINTER SUB ALLOCATION.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L PC-122420	PC-123304	ABC	1/0 ACSR	12.73Y	106.1	0.01	19.91	14.94	6	568	50	100	0.03	0.0	3.748	0.053	0	0	0	138	L
L PC-126389	PC-122420	ABC	1/0 ACSR	12.73Y	106.1	0.00	19.91	14.94	6	568	50	100	0.02	0.0	3.788	0.040	0	0	0	138	L
L PC-123037	PC-126389	ABC	1/0 ACSR	12.73Y	106.1	0.01	19.92	14.94	6	568	50	100	0.04	0.0	3.851	0.063	0	0	0	138	L
L PC-121180	PC-123037	ABC	1/0 ACSR	12.73Y	106.1	0.01	19.93	14.94	6	568	50	100	0.04	0.0	3.921	0.070	0	0	0	138	L
L PC-117641	PC-121180	ABC	1/0 ACSR	12.73Y	106.1	0.01	19.93	14.94	6	568	50	100	0.03	0.0	3.969	0.047	0	0	0	138	L
L PC-177053	PC-117641	ABC	1/0 ACSR	12.73Y	106.1	0.01	19.95	14.25	6	542	48	100	0.06	0.0	4.088	0.119	0	0	0	122	L
L PC-130347	PC-177053	ABC	1/0 ACSR	12.72Y	106.0	0.01	19.96	14.25	6	542	48	100	0.06	0.0	4.199	0.111	0	0	0	122	L
L PC-177054	PC-130347	B	4 ACSR	12.72Y	106.0	0.00	19.97	0.00	0	0	0	100	0.00	0.0	4.250	0.051	0	0	0	1	L
L PC-172973	PC-130347	ABC	1/0 ACSR	12.72Y	106.0	0.00	19.96	14.25	6	542	48	100	0.01	0.0	4.220	0.021	0	0	0	121	L
L PC-131820	PC-172973	ABC	1/0 ACSR	12.72Y	106.0	0.01	19.97	14.25	6	542	48	100	0.05	0.0	4.305	0.086	0	0	0	121	L
L PC-171656	PC-131820	ABC	1/0 ACSR	12.72Y	106.0	0.01	19.98	14.19	6	539	47	100	0.05	0.0	4.401	0.095	0	0	0	120	L
L PC-124109	PC-171656	C	6 ACWC	12.72Y	106.0	0.00	19.98	12.25	9	155	14	100	0.00	0.0	4.407	0.006	0	0	0	32	L
L PC-133109	PC-124109	C	6 ACWC	12.72Y	106.0	0.01	20.00	12.25	9	155	14	100	0.02	0.0	4.462	0.055	0	0	0	32	L
L PC-128331	PC-133109	C	6 ACWC	12.72Y	106.0	0.01	20.01	12.20	9	155	13	100	0.02	0.0	4.515	0.053	0	0	0	31	L
L PC-123904	PC-128331	C	6 ACWC	12.72Y	106.0	0.03	20.04	11.90	8	151	13	100	0.04	0.0	4.617	0.102	0	0	0	30	L
L PC-123921	PC-123904	C	4 ACSR	12.71Y	105.9	0.02	20.05	11.76	8	149	13	100	0.02	0.0	4.677	0.060	0	0	0	29	L
L PC-124488	PC-123921	C	4 ACSR	12.71Y	105.9	0.01	20.06	11.45	8	145	13	100	0.01	0.0	4.713	0.036	0	0	0	28	L
L PC-133141	PC-124488	C	6 ACWC	12.71Y	105.9	0.02	20.08	5.65	4	72	6	100	0.01	0.0	4.846	0.133	0	0	0	9	L
L PC-177052	PC-133141	C	6 ACWC	12.71Y	105.9	0.01	20.09	5.65	4	72	6	100	0.01	0.0	4.932	0.086	0	0	0	9	L
L PC-172972	PC-177052	C	6 ACWC	12.71Y	105.9	0.00	20.09	0.73	1	9	1	99	0.00	0.0	5.108	0.176	0	0	0	2	L
L PC-125411	PC-172972	C	6 ACWC	12.71Y	105.9	0.00	20.09	0.73	1	9	1	99	0.00	0.0	5.158	0.050	0	0	0	2	L
L PC-171655	PC-177052	C	4 ACSR	12.71Y	105.9	0.00	20.09	0.82	1	10	1	100	0.00	0.0	4.944	0.012	0	0	0	1	L
L PC-121724	PC-171655	C	4 ACSR	12.71Y	105.9	0.00	20.09	0.82	1	10	1	100	0.00	0.0	5.028	0.084	0	0	0	1	L
L PC-121448	PC-177052	C	4 ACSR	12.71Y	105.9	0.01	20.09	4.09	3	52	4	100	0.00	0.0	4.992	0.060	0	0	0	6	L
L PC-172971	PC-121448	C	4 ACSR	12.71Y	105.9	0.00	20.10	3.73	3	47	4	100	0.00	0.0	5.032	0.040	0	0	0	5	L
L PC-128955	PC-172971	C	4 ACSR	12.71Y	105.9	0.00	20.10	0.91	1	11	1	100	0.00	0.0	5.102	0.069	0	0	0	2	L
L PC-114934	PC-128955	C	4 ACSR	12.71Y	105.9	0.00	20.10	0.91	1	11	1	100	0.00	0.0	5.147	0.045	0	0	0	2	L
L PC-123066	PC-114934	C	4 ACSR	12.71Y	105.9	0.00	20.10	0.91	1	11	1	100	0.00	0.0	5.184	0.037	0	0	0	2	L
L PC-122776	PC-172971	C	4 ACSR	12.71Y	105.9	0.00	20.10	2.83	2	36	3	100	0.00	0.0	5.104	0.072	0	0	0	3	L
L PC-122095	PC-122776	C	4 ACSR	12.71Y	105.9	0.00	20.10	0.80	1	10	1	100	0.00	0.0	5.138	0.033	0	0	0	1	L
L PC-121951	PC-122776	C	4 ACSR	12.71Y	105.9	0.00	20.10	2.03	1	26	2	100	0.00	0.0	5.158	0.054	0	0	0	2	L
L PC-122271	PC-121951	C	4 ACSR	12.71Y	105.9	0.00	20.10	1.01	1	13	1	100	0.00	0.0	5.170	0.012	0	0	0	1	L
L PC-121922	PC-121951	C	4 ACSR	12.71Y	105.9	0.00	20.10	1.02	1	13	1	100	0.00	0.0	5.196	0.038	0	0	0	1	L
L PC-124166	PC-124488	C	4 ACSR	12.71Y	105.9	0.00	20.06	0.55	0	7	1	99	0.00	0.0	4.752	0.039	0	0	0	3	L
L PC-121870	PC-124166	C	4 ACSR	12.71Y	105.9	0.00	20.06	0.55	0	7	1	99	0.00	0.0	4.794	0.042	0	0	0	3	L
L PC-122490	PC-121870	C	4 ACSR	12.71Y	105.9	0.00	20.06	0.00	0	0	0	100	0.00	0.0	4.845	0.051	0	0	0	0	L
L PC-121549	PC-121870	C	2 ACSR	12.71Y	105.9	0.00	20.06	0.47	0	6	1	99	0.00	0.0	4.862	0.068	0	0	0	2	L
L PC-123922	PC-121549	C	2 ACSR	12.71Y	105.9	0.00	20.06	0.47	0	6	1	99	0.00	0.0	4.952	0.090	0	0	0	2	L
L PC-124111	PC-123922	C	2 ACSR	12.71Y	105.9	0.00	20.06	0.47	0	6	1	99	0.00	0.0	5.027	0.075	0	0	0	2	L
L PC-147271	PC-124111	C	2 ACSR	12.71Y	105.9	0.00	20.06	0.45	0	6	0	100	0.00	0.0	5.052	0.025	0	0	0	1	L
L PC-124105	PC-124111	C	2 ACSR	12.71Y	105.9	0.00	20.06	0.02	0	0	0	100	0.00	0.0	5.111	0.084	0	0	0	1	L
L PC-121869	PC-124488	C	4 ACSR	12.71Y	105.9	0.00	20.06	4.52	3	57	5	100	0.00	0.0	4.749	0.036	0	0	0	14	L
L PC-171657	PC-121869	C	4 ACSR	12.71Y	105.9	0.00	20.07	4.52	3	57	5	100	0.00	0.0	4.799	0.049	0	0	0	14	L
L PC-172974	PC-171657	C	4 ACSR	12.71Y	105.9	0.01	20.07	3.30	2	42	4	100	0.00	0.0	4.870	0.071	0	0	0	10	L
L PC-124464	PC-172974	C	4 ACSR	12.71Y	105.9	0.00	20.08	2.99	2	38	3	100	0.00	0.0	4.906	0.036	0	0	0	9	L
L PC-129284	PC-124464	C	4 ACSR	12.71Y	105.9	0.00	20.08	2.79	2	35	3	100	0.00	0.0	4.957	0.052	0	0	0	7	L
L PC-122947	PC-129284	C	4 ACSR	12.71Y	105.9	0.00	20.08	2.49	2	32	3	100	0.00	0.0	5.000	0.042	0	0	0	6	L
L PC-172977	PC-122947	C	4 ACSR	12.71Y	105.9	0.00	20.09	2.11	2	27	2	100	0.00	0.0	5.106	0.106	0	0	0	5	L
L PC-173433	PC-172977	C	4 ACSR	12.71Y	105.9	0.00	20.09	1.35	1	17	1	100	0.00	0.0	5.188	0.083	0	0	0	3	L
L PC-133136	PC-173433	C	4 ACSR	12.71Y	105.9	0.00	20.09	0.88	1	11	1	100	0.00	0.0	5.233	0.044	0	0	0	2	L
L PC-177057	PC-133136	C	4 ACSR	12.71Y	105.9	0.00	20.09	0.65	0	8	1	99	0.00	0.0	5.263	0.031	0	0	0	1	L
L PC-119391	PC-172977	C	4 ACSR	12.71Y	105.9	0.00	20.09	0.76	1	10	1	100	0.00	0.0	5.200	0.094	0	0	0	2	L
L PC-172978	PC-119391	C	4 ACSR	12.71Y	105.9	0.00	20.09	0.64	0	8	1	99	0.00	0.0	5.238	0.038	0	0	0	1	L
L PC-123581	PC-172978	C	4 ACSR	12.71Y	105.9	0.00	20.09	0.64	0	8	1	99	0.00	0.0	5.294	0.057	0	0	0	1	L
L PC-172903	PC-119391	C	4 ACSR	12.71Y	105.9	0.00	20.09	0.12	0	1	0	100	0.00	0.0	5.305	0.106	0	0	0	1	L
L PC-124063	PC-171657	C	4 ACSR	12.71Y	105.9	0.00	20.07	0.24	0	3	0	100	0.00	0.0	4.869	0.071	0	0	0	2	L
L PC-124162	PC-171656	ABC	1/0 ACSR	12.72Y	106.0	0.00	19.99	10.10	4	384	34	100	0.01	0.0	4.449	0.048	0	0	0	88	L
L PC-172976	PC-124162	ABC	1/0 ACSR	12.72Y	106.0	0.01	19.99	9.90	4	377	33	100	0.02	0.0	4.535	0.086	0	0	0	86	L
L PC-177055	PC-172976	B	6 ACWC	12.72Y	106.0	0.00	20.00	1.09	1	14	1	100	0.00	0.0	4.541	0.006	0	0	0	4	L
L PC-124376	PC-177055	B	6 ACWC	12.72Y	106.0	0.00	20.00	1.09	1	14	1	100	0.00	0.0	4.579	0.039	0	0	0	4	L
L PC-173432	PC-124376	B	6 ACWC	12.72Y	106.0	0.00	20.00	1.09	1	14	1	100	0.00	0.0	4.672	0.092	0	0	0	4	L
L PC-177058	PC-173432	B	4 ACSR	12.72Y	106.0	0.00	20.00	0.90	1	11	1	100	0.00	0.0	4.724	0.053	0	0	0	2	L
L PC-121598	PC-177058	B	4 ACSR	12.72Y	106.0	0.00	20.00	0.90	1	11	1	100	0.00	0.0	4.769	0.045	0	0	0	2	L
L PC-119102	PC-121598	B	4 ACSR	12.72Y	106.0	0.00	20.01	0.90	1	11	1	100	0.00	0.0	4.815	0.046	0	0	0	2	L
L PC-123381	PC-119102	B	2 ACSR	12.72Y	106.0	0.00	20.01	0.90	1	11	1	100	0.00	0.0	4.900	0.085	0	0	0	1	L
L PC-124489	PC-123381	B	2 ACSR	12.72Y	106.0	0.00	20.01	0.90	1	11	1	100	0.00	0.0	4.944	0.044	0	0	0	1	L
L PC-133137	PC-173432	B	6 ACWC	12.72Y	106.0	0.00	20.00	0.00	0	0	0	100	0.00	0.0	4.781	0.109	0	0	0	1	L
L PC-124466	PC-172976	ABC	1/0 ACSR	12.72Y	106.0	0.01	20.00	9.54	4	363	32	100	0.03	0.0	4.648	0.113	0	0	0	81	L
L PC-177056	PC-124466	ABC	1/0 ACSR	12.72Y	106.0	0.00	20.01	9.54	4	363	32	100	0.01	0.0	4.708	0.060	0	0	0	81	L
L PC-125909	PC-177056	C	2 ACSR	12.72Y	106.0	0.00	20.01	1.95	1	25	2	100	0.00	0.0	4.714	0.006	0	0	0	3	L
L PC-121515	PC-125909	C	2 ACSR	12.72Y	106.0	0.00	20.01	1.95	1	25	2	100	0.00	0.0	4.746	0.033	0	0	0	3	L
L PC-172574	PC-121515	C	2 ACSR	12.72Y	106.0	0.00	20.01	1.31	1	17	1	100	0.00	0.0	4.807	0.061	0	0	0	2	L
L PC-121263	PC-172574	C	2 ACSR	12.72Y	106.0	0.00	20.01	1.31	1	17	1	100	0.00	0.0	4.845	0.038	0	0	0	2	L
L PC-172575	PC-121263	C	1/0 URD PR	12.72Y	106.0	0.00	20.01	0.66	0	8	1	99	0.00	0.0	4.851	0.006	0	0	0	1	L
L PC-156224	PC-172575	C	1/0 URD PR	12.72Y	106.0	0.00	20.01	0.66	0	8	1	99	0.00	0.0	4.876	0.026	0	0	0	1	L
L PC-123422	PC-177056	ABC	1/0 ACSR	12.72Y	106.0	0.01	20.01	8.89	4	338	30	100	0.02	0.0	4.810	0.102	0	0	0	78	L
L PC-172979	PC-123422	ABC	1/0 ACSR	12.72Y	106.0	0.01	20.02	8.89	4	338	30	100	0.02	0.0	4.887	0.078	0	0	0	78	L
L PC-172576	PC-172979	B	4 ACSR	12.72Y	106.0	0.00	20.03	0.16	0	2	0	100	0.00	0.0	4.893	0.006	0	0	0	1	L
L PC-126319	PC-172576	B	4 ACSR	12.72Y	106.0	0.00	20.03	0.16	0	2	0	100	0.00	0.0	4.989	0.096	0	0	0	1	L
L PC-120765	PC-172979	ABC	1/0 ACSR	12.72Y	106.0	0.00	20.02	8.84	4	336	29	100	0.01	0.0	4.943	0.056	0	0	0	77	L

Balanced Voltage Drop Report
Source: NINEVAH

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\BASE WINTER SUB ALLOCATION.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L PC-173434	PC-120765	C	4 ACSR	12.72Y	106.0	0.00	20.02	2.24	2	28	2	100	0.00	0.0	4.949	0.006	0	0	0	4	L
L PC-132738	PC-173434	C	4 ACSR	12.72Y	106.0	0.00	20.02	2.24	2	28	2	100	0.00	0.0	4.973	0.024	0	0	0	4	L
L PC-132739	PC-132738	C	4 ACSR	12.72Y	106.0	0.00	20.03	2.24	2	28	2	100	0.00	0.0	5.050	0.077	0	0	0	4	L
L PC-120815	PC-132739	C	4 ACSR	12.72Y	106.0	0.00	20.03	1.76	1	22	2	100	0.00	0.0	5.108	0.058	0	0	0	3	L
L PC-176076	PC-120815	C	4 ACSR	12.72Y	106.0	0.00	20.03	0.89	1	11	1	100	0.00	0.0	5.154	0.046	0	0	0	2	L
L PC-132740	PC-176076	C	4 ACSR	12.72Y	106.0	0.00	20.03	0.89	1	11	1	100	0.00	0.0	5.205	0.051	0	0	0	2	L
L PC-172980	PC-120765	ABC	1/0 ACSR	12.72Y	106.0	0.00	20.03	8.05	4	306	27	100	0.01	0.0	4.983	0.040	0	0	0	72	L
L PC-172900	PC-172980	ABC	1/0 ACSR	12.72Y	106.0	0.00	20.03	7.70	3	293	26	100	0.01	0.0	5.053	0.069	0	0	0	67	L
L PC-120730	PC-172900	ABC	1/0 ACSR	12.72Y	106.0	0.00	20.03	7.64	3	290	25	100	0.01	0.0	5.086	0.033	0	0	0	66	L
L PC-172902	PC-120730	ABC	1/0 ACSR	12.72Y	106.0	0.00	20.04	7.64	3	290	25	100	0.01	0.0	5.134	0.048	0	0	0	66	L
L PC-121575	PC-172902	ABC	1/0 ACSR	12.72Y	106.0	0.00	20.04	7.64	3	290	25	100	0.01	0.0	5.184	0.050	0	0	0	66	L
L PC-172901	PC-121575	ABC	1/0 ACSR	12.72Y	106.0	0.00	20.04	7.64	3	290	25	100	0.00	0.0	5.216	0.032	0	0	0	66	L
L PC-125226	PC-172901	A	6 ACWC	12.72Y	106.0	0.00	20.04	0.87	1	11	1	100	0.00	0.0	5.222	0.006	0	0	0	3	L
L PC-172894	PC-125226	A	6 ACWC	12.72Y	106.0	0.00	20.04	0.87	1	11	1	100	0.00	0.0	5.278	0.056	0	0	0	3	L
L PC-122804	PC-172894	A	6 ACWC	12.72Y	106.0	0.00	20.04	0.87	1	11	1	100	0.00	0.0	5.336	0.058	0	0	0	3	L
L PC-172968	PC-122804	A	6 ACWC	12.72Y	106.0	0.00	20.04	0.46	0	6	1	99	0.00	0.0	5.390	0.054	0	0	0	2	L
L PC-119474	PC-172968	A	6 ACWC	12.71Y	106.0	0.00	20.04	0.46	0	6	1	99	0.00	0.0	5.509	0.119	0	0	0	2	L
L PC-177046	PC-119474	A	6 ACWC	12.71Y	106.0	0.00	20.04	0.46	0	6	1	99	0.00	0.0	5.594	0.084	0	0	0	1	L
L PC-122117	PC-177046	A	6 ACWC	12.71Y	106.0	0.00	20.04	0.46	0	6	1	99	0.00	0.0	5.669	0.076	0	0	0	1	L
L PC-119281	PC-172901	ABC	1/0 ACSR	12.71Y	106.0	0.00	20.04	7.35	3	279	24	100	0.00	0.0	5.250	0.034	0	0	0	62	L
L PC-121917	PC-119281	ABC	1/0 ACSR	12.71Y	106.0	0.00	20.05	7.35	3	279	24	100	0.00	0.0	5.285	0.035	0	0	0	62	L
L PC-127524	PC-121917	ABC	1/0 ACSR	12.71Y	106.0	0.00	20.05	7.09	3	269	24	100	0.01	0.0	5.346	0.061	0	0	0	61	L
L PC-123290	PC-127524	ABC	1/0 ACSR	12.71Y	105.9	0.01	20.05	7.09	3	269	24	100	0.01	0.0	5.435	0.089	0	0	0	61	L
L PC-122844	PC-123290	B	4 ACSR	12.71Y	105.9	0.00	20.06	0.93	1	12	1	100	0.00	0.0	5.441	0.006	0	0	0	3	L
L PC-123289	PC-122844	B	4 ACSR	12.71Y	105.9	0.00	20.06	0.93	1	12	1	100	0.00	0.0	5.479	0.038	0	0	0	3	L
L PC-123287	PC-123289	B	4 ACSR	12.71Y	105.9	0.00	20.06	0.86	1	11	1	100	0.00	0.0	5.510	0.031	0	0	0	1	L
L PC-121599	PC-123289	B	2 ACSR	12.71Y	105.9	0.00	20.06	0.05	0	1	0	100	0.00	0.0	5.517	0.038	0	0	0	1	L
L PC-119476	PC-123290	ABC	1/0 ACSR	12.71Y	105.9	0.00	20.06	6.77	3	257	23	100	0.01	0.0	5.503	0.068	0	0	0	57	L
L PC-119477	PC-119476	ABC	1/0 ACSR	12.71Y	105.9	0.00	20.06	6.77	3	257	23	100	0.00	0.0	5.506	0.003	0	0	0	57	L
L D3325	PC-119477	ABC	REC_35_H	12.71Y	105.9	0.00	20.06	6.77	0	257	23	100	0.00	0.0	5.506	0.003	0	0	0	57	L
L PC-177047	D3325	ABC	1/0 ACSR	12.71Y	105.9	0.00	20.06	6.77	3	257	23	100	0.00	0.0	5.509	0.002	0	0	0	57	L
L PC-119439	PC-177047	ABC	1/0 ACSR	12.71Y	105.9	0.00	20.06	6.77	3	257	23	100	0.00	0.0	5.513	0.004	0	0	0	57	L
L PC-177048	PC-119439	C	4 ACSR	12.71Y	105.9	0.00	20.06	0.36	0	5	0	100	0.00	0.0	5.581	0.068	0	0	0	2	L
L PC-173398	PC-119439	ABC	1/0 ACSR	12.71Y	105.9	0.01	20.06	6.65	3	253	22	100	0.01	0.0	5.613	0.101	0	0	0	55	L
L PC-126962	PC-173398	C	6 ACWC	12.71Y	105.9	0.00	20.06	1.14	1	14	1	100	0.00	0.0	5.706	0.093	0	0	0	4	L
L PC-126557	PC-126962	C	6 ACWC	12.71Y	105.9	0.00	20.06	1.14	1	14	1	100	0.00	0.0	5.755	0.049	0	0	0	4	L
L PC-123927	PC-126557	C	6 ACWC	12.71Y	105.9	0.00	20.07	1.14	1	14	1	100	0.00	0.0	5.799	0.043	0	0	0	4	L
L PC-132545	PC-123927	C	6 ACWC	12.71Y	105.9	0.00	20.07	1.14	1	14	1	100	0.00	0.0	5.837	0.038	0	0	0	4	L
L PC-132547	PC-132545	C	4 ACSR	12.71Y	105.9	0.00	20.07	0.37	0	5	0	100	0.00	0.0	5.857	0.020	0	0	0	1	L
L PC-124742	PC-132545	C	6 ACWC	12.71Y	105.9	0.00	20.07	0.66	0	8	1	99	0.00	0.0	5.891	0.055	0	0	0	2	L
L PC-117563	PC-124742	C	6 ACWC	12.71Y	105.9	0.00	20.07	0.66	0	8	1	99	0.00	0.0	5.964	0.073	0	0	0	2	L
L PC-125607	PC-117563	C	6 ACWC	12.71Y	105.9	0.00	20.07	0.16	0	2	0	100	0.00	0.0	6.112	0.148	0	0	0	1	L
L PC-122389	PC-117563	C	4 ACSR	12.71Y	105.9	0.00	20.07	0.51	0	6	1	99	0.00	0.0	6.030	0.066	0	0	0	1	L
L PC-130091	PC-122389	C	4 ACSR	12.71Y	105.9	0.00	20.07	0.51	0	6	1	99	0.00	0.0	6.058	0.028	0	0	0	1	L
L PC-121006	PC-173398	B	4 ACSR	12.71Y	105.9	0.00	20.07	1.99	1	25	2	100	0.00	0.0	5.662	0.049	0	0	0	5	L
L PC-129393	PC-121006	B	4 ACSR	12.71Y	105.9	0.00	20.07	1.65	1	21	2	100	0.00	0.0	5.709	0.046	0	0	0	4	L
L PC-125829	PC-129393	B	2 ACSR	12.71Y	105.9	0.00	20.07	1.44	1	18	2	99	0.00	0.0	5.782	0.073	0	0	0	1	L
L PC-122846	PC-125829	B	2 ACSR	12.71Y	105.9	0.00	20.07	1.44	1	18	2	99	0.00	0.0	5.835	0.053	0	0	0	1	L
L PC-132746	PC-122846	B	2 ACSR	12.71Y	105.9	0.00	20.08	1.44	1	18	2	99	0.00	0.0	5.870	0.035	0	0	0	1	L
L PC-123266	PC-129393	B	4 ACSR	12.71Y	105.9	0.00	20.07	0.12	0	2	0	100	0.00	0.0	5.766	0.057	0	0	0	2	L
L PC-121782	PC-173398	A	6 ACWC	12.71Y	105.9	0.05	20.11	16.83	12	213	19	100	0.09	0.0	5.743	0.129	0	0	0	46	L
L PC-172897	PC-121782	A	6 ACWC	12.70Y	105.8	0.05	20.16	15.20	11	192	17	100	0.08	0.0	5.892	0.149	0	0	0	42	L
L PC-125802	PC-172897	A	6 ACWC	12.70Y	105.8	0.03	20.18	15.20	11	192	17	100	0.05	0.0	5.981	0.089	0	0	0	42	L
L PC-172896	PC-125802	A	6 ACWC	12.69Y	105.8	0.03	20.22	15.20	11	192	17	100	0.06	0.0	6.082	0.102	0	0	0	42	L
L PC-171651	PC-172896	A	6 ACWC	12.69Y	105.8	0.00	20.22	3.10	2	39	3	100	0.00	0.0	6.133	0.050	0	0	0	11	L
L PC-123271	PC-171651	A	6 ACWC	12.69Y	105.8	0.01	20.23	3.10	2	39	3	100	0.00	0.0	6.301	0.168	0	0	0	11	L
L PC-177061	PC-123271	A	6 ACWC	12.69Y	105.8	0.00	20.23	2.33	2	29	3	99	0.00	0.0	6.342	0.042	0	0	0	6	L
L PC-177062	PC-177061	A	4 ACSR	12.69Y	105.8	0.00	20.24	1.47	1	19	2	99	0.00	0.0	6.380	0.037	0	0	0	3	L
L PC-121694	PC-177061	A	6 ACWC	12.69Y	105.8	0.00	20.24	0.86	1	11	1	100	0.00	0.0	6.440	0.098	0	0	0	3	L
L PC-173436	PC-121694	A	6 ACWC	12.69Y	105.8	0.00	20.24	0.86	1	11	1	100	0.00	0.0	6.536	0.096	0	0	0	2	L
L PC-173435	PC-173436	A	6 ACWC	12.69Y	105.8	0.00	20.24	0.86	1	11	1	100	0.00	0.0	6.604	0.068	0	0	0	2	L
L PC-177060	PC-173435	A	6 ACWC	12.69Y	105.8	0.00	20.24	0.00	0	0	0	100	0.00	0.0	6.691	0.087	0	0	0	0	L
L PC-172982	PC-177060	A	6 ACWC	12.69Y	105.8	0.00	20.24	0.00	0	0	0	100	0.00	0.0	6.763	0.071	0	0	0	0	L
L PC-124028	PC-172982	A	6 ACWC	12.69Y	105.8	0.00	20.24	0.00	0	0	0	100	0.00	0.0	6.842	0.079	0	0	0	0	L
L PC-173438	PC-124028	A	6 ACWC	12.69Y	105.8	0.00	20.24	0.00	0	0	0	100	0.00	0.0	6.865	0.023	0	0	0	0	L
L PC-133330	PC-173438	A	6 ACWC	12.69Y	105.8	0.00	20.24	0.00	0	0	0	100	0.00	0.0	6.931	0.066	0	0	0	0	L
L PC-123550	PC-133330	A	6 ACWC	12.69Y	105.8	0.00	20.24	0.00	0	0	0	100	0.00	0.0	7.025	0.094	0	0	0	0	L
L PC-124606	PC-123550	A	6 ACWC	12.69Y	105.8	0.00	20.24	0.00	0	0	0	100	0.00	0.0	7.095	0.070	0	0	0	0	L
L PC-124667	PC-173435	A	2 ACSR	12.69Y	105.8	0.00	20.24	0.64	0	8	1	99	0.00	0.0	6.651	0.047	0	0	0	1	L
L PC-177059	PC-124667	A	2 ACSR	12.69Y	105.8	0.00	20.24	0.64	0	8	1	99	0.00	0.0	6.705	0.054	0	0	0	1	L
L PC-124935	PC-123271	A	4 ACSR	12.69Y	105.8	0.00	20.23	0.78	1	10	1	100	0.00	0.0	6.434	0.134	0	0	0	3	L
L PC-124562	PC-124935	A	4 ACSR	12.69Y	105.8	0.00	20.24	0.78	1	10	1	100	0.00	0.0	6.535	0.100	0	0	0	3	L
L PC-124563	PC-124562	A	4 ACSR	12.69Y	105.8	0.00	20.24	0.78	1	10	1	100	0.00	0.0	6.625	0.091	0	0	0	3	L
L PC-124005	PC-124563	A	4 ACSR	12.69Y	105.8	0.00	20.24	0.54	0	7	1	99	0.00	0.0	6.721	0.095	0	0	0	2	L
L PC-122608	PC-124563	A	4 ACSR	12.69Y	105.8	0.00	20.24	0.00	0	0	0	100	0.00	0.0	6.813	0.188	0	0	0	0	L
L PC-121692	PC-122608	A	4 ACSR	12.69Y	105.8	0.00	20.24	0.00	0	0	0	100	0.00	0.0	6.870	0.057	0	0	0	0	L
L PC-173437	PC-121692	A	4 ACSR	12.69Y	105.8	0.00	20.24	0.00	0	0	0	100	0.00	0.0	6.915	0.044	0	0	0	0	L
L PC-133057	PC-173437	A	4 ACSR	12.69Y	105.8	0.00	20.24	0.00	0	0	0	100	0.00	0.0	7.005	0.091	0	0	0	0	L
L PC-172981	PC-133057	A	4 ACSR	12.69Y	105.8	0.00	20.24	0.00	0	0	0	100	0.00	0.0	7.243	0.237	0	0	0	0	L
L PC-123950	PC-123271	A	4 ACSR	12.69Y	105.8	0.00	20.23	0.00	0	0	0	100	0.00	0.0	6.336	0.035	0	0	0	2	L

Balanced Voltage Drop Report
Source: NINEVAH

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\BASE WINTER SUB ALLOCATION.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L PC-123755	PC-123950	A	4 ACSR	12.69Y	105.8	0.00	20.23	0.00	0	0	0	100	0.00	0.0	6.384	0.048	0	0	0	2	L
L PC-117231	PC-172896	A	4 ACSR	12.69Y	105.8	0.02	20.23	12.10	9	153	13	100	0.02	0.0	6.140	0.058	0	0	0	31	L
L PC-171650	PC-117231	A	4 ACSR	12.69Y	105.7	0.03	20.27	12.10	9	153	13	100	0.05	0.0	6.265	0.125	0	0	0	31	L
L PC-124712	PC-171650	A	4 ACSR	12.69Y	105.7	0.01	20.28	12.10	9	153	13	100	0.02	0.0	6.319	0.054	0	0	0	31	L
L PC-176123	PC-124712	A	4 ACSR	12.68Y	105.7	0.02	20.30	11.56	8	146	13	100	0.02	0.0	6.385	0.066	0	0	0	30	L
L PC-124710	PC-176123	A	4 ACSR	12.68Y	105.7	0.02	20.32	11.56	8	146	13	100	0.03	0.0	6.466	0.082	0	0	0	30	L
L PC-132544	PC-124710	A	4 ACSR	12.68Y	105.7	0.01	20.32	11.56	8	146	13	100	0.01	0.0	6.494	0.028	0	0	0	30	L
L PC-124741	PC-132544	A	4 ACSR	12.68Y	105.7	0.01	20.34	11.56	8	146	13	100	0.02	0.0	6.546	0.051	0	0	0	30	L
L PC-124442	PC-124741	A	4 ACSR	12.68Y	105.7	0.01	20.35	11.56	8	146	13	100	0.01	0.0	6.584	0.038	0	0	0	30	L
L PC-117242	PC-124442	A	4 ACSR	12.68Y	105.6	0.02	20.37	11.56	8	146	13	100	0.03	0.0	6.676	0.092	0	0	0	30	L
L PC-133078	PC-117242	A	4 ACSR	12.67Y	105.6	0.02	20.39	11.56	8	146	13	100	0.03	0.0	6.753	0.077	0	0	0	30	L
L PC-133081	PC-133078	A	4 ACSR	12.67Y	105.6	0.02	20.41	11.56	8	146	13	100	0.03	0.0	6.830	0.077	0	0	0	30	L
L PC-133080	PC-133081	A	6 ACWC	12.67Y	105.6	0.01	20.42	9.38	7	118	10	100	0.01	0.0	6.895	0.065	0	0	0	25	L
L PC-123977	PC-133080	A	4 ACSR	12.67Y	105.6	0.01	20.43	8.82	6	111	10	100	0.01	0.0	6.938	0.043	0	0	0	24	L
L PC-123706	PC-123977	A	6 ACWC	12.67Y	105.6	0.00	20.43	8.04	6	101	9	100	0.00	0.0	6.957	0.019	0	0	0	21	L
L PC-124933	PC-123706	A	6 ACWC	12.67Y	105.6	0.01	20.44	8.04	6	101	9	100	0.01	0.0	6.994	0.037	0	0	0	21	L
L PC-172578	PC-124933	A	6 ACWC	12.67Y	105.6	0.00	20.44	5.53	4	70	6	100	0.00	0.0	7.013	0.019	0	0	0	16	L
L PC-172579	PC-172578	A	6 ACWC	12.67Y	105.6	0.00	20.44	4.87	3	61	5	100	0.00	0.0	7.051	0.038	0	0	0	14	L
L PC-117337	PC-172579	A	6 ACWC	12.67Y	105.6	0.00	20.45	2.88	2	36	3	100	0.00	0.0	7.083	0.032	0	0	0	8	L
L PC-116127	PC-117337	A	6 ACWC	12.67Y	105.6	0.00	20.45	2.88	2	36	3	100	0.00	0.0	7.097	0.015	0	0	0	8	L
L PC-125605	PC-116127	A	4 ACSR	12.67Y	105.6	0.00	20.45	2.88	2	36	3	100	0.00	0.0	7.139	0.041	0	0	0	8	L
L PC-125604	PC-125605	A	4 ACSR	12.67Y	105.5	0.00	20.45	2.88	2	36	3	100	0.00	0.0	7.215	0.076	0	0	0	8	L
L PC-117123	PC-125604	A	4 ACSR	12.67Y	105.5	0.00	20.46	0.32	0	4	0	100	0.00	0.0	7.278	0.064	0	0	0	1	L
L PC-115814	PC-125604	A	4 ACSR	12.67Y	105.5	0.00	20.46	2.56	2	32	3	100	0.00	0.0	7.232	0.017	0	0	0	7	L
L PC-125069	PC-115814	A	4 ACSR	12.66Y	105.5	0.00	20.46	2.56	2	32	3	100	0.00	0.0	7.301	0.068	0	0	0	7	L
L PC-124668	PC-125069	A	4 ACSR	12.66Y	105.5	0.00	20.46	2.28	2	29	2	100	0.00	0.0	7.351	0.050	0	0	0	6	L
L PC-124146	PC-124668	A	4 ACSR	12.66Y	105.5	0.00	20.46	1.97	1	25	2	100	0.00	0.0	7.407	0.056	0	0	0	5	L
L PC-122024	PC-124146	A	2 ACSR	12.66Y	105.5	0.00	20.47	0.99	1	12	1	100	0.00	0.0	7.457	0.051	0	0	0	1	L
L PC-122023	PC-124146	A	4 ACSR	12.66Y	105.5	0.00	20.47	0.98	1	12	1	100	0.00	0.0	7.459	0.052	0	0	0	4	L
L PC-126330	PC-122023	A	4 ACSR	12.66Y	105.5	0.00	20.47	0.98	1	12	1	100	0.00	0.0	7.510	0.051	0	0	0	4	L
L PC-129396	PC-126330	A	4 ACSR	12.66Y	105.5	0.00	20.47	0.60	0	8	1	99	0.00	0.0	7.550	0.039	0	0	0	2	L
L PC-171658	PC-129396	A	4 ACSR	12.66Y	105.5	0.00	20.47	0.60	0	8	1	99	0.00	0.0	7.588	0.038	0	0	0	2	L
L PC-171659	PC-171658	A	4 ACSR	12.66Y	105.5	0.00	20.47	0.21	0	3	0	100	0.00	0.0	7.640	0.052	0	0	0	1	L
L PC-122967	PC-171658	A	4 ACSR	12.66Y	105.5	0.00	20.47	0.39	0	5	0	100	0.00	0.0	7.631	0.043	0	0	0	1	L
L PC-172975	PC-122967	A	4 ACSR	12.66Y	105.5	0.00	20.47	0.39	0	5	0	100	0.00	0.0	7.674	0.042	0	0	0	1	L
L PC-122715	PC-172975	A	4 ACSR	12.66Y	105.5	0.00	20.47	0.39	0	5	0	100	0.00	0.0	7.711	0.037	0	0	0	1	L
L PC-122757	PC-126330	A	4 ACSR	12.66Y	105.5	0.00	20.47	0.38	0	5	0	100	0.00	0.0	7.569	0.059	0	0	0	2	L
L PC-122584	PC-124668	A	4 ACSR	12.66Y	105.5	0.00	20.46	0.32	0	4	0	100	0.00	0.0	7.399	0.048	0	0	0	1	L
L PC-123852	PC-125069	A	4 ACSR	12.66Y	105.5	0.00	20.46	0.28	0	3	0	100	0.00	0.0	7.363	0.062	0	0	0	1	L
L PC-121184	PC-123977	A	6 ACWC	12.67Y	105.6	0.00	20.43	0.78	1	10	1	100	0.00	0.0	6.976	0.038	0	0	0	3	L
L PC-126188	PC-121184	A	4 ACSR	12.67Y	105.6	0.00	20.43	0.07	0	1	0	100	0.00	0.0	7.021	0.045	0	0	0	1	L
L PC-124004	PC-121184	A	6 ACWC	12.67Y	105.6	0.00	20.43	0.00	0	0	0	100	0.00	0.0	7.014	0.038	0	0	0	0	L
L PC-133049	PC-133081	A	4 ACSR	12.67Y	105.6	0.01	20.41	2.18	2	28	2	100	0.00	0.0	6.976	0.146	0	0	0	5	L
L PC-121449	PC-133049	A	4 ACSR	12.67Y	105.6	0.00	20.42	1.68	1	21	2	100	0.00	0.0	7.067	0.091	0	0	0	3	L
L PC-124213	PC-121449	A	4 ACSR	12.67Y	105.6	0.00	20.42	0.13	0	2	0	100	0.00	0.0	7.160	0.093	0	0	0	1	L
L PC-121955	PC-124213	A	4 ACSR	12.67Y	105.6	0.00	20.42	0.13	0	2	0	100	0.00	0.0	7.205	0.045	0	0	0	1	L
L PC-124670	PC-121955	A	4 ACSR	12.67Y	105.6	0.00	20.42	0.13	0	2	0	100	0.00	0.0	7.256	0.051	0	0	0	1	L
L PC-119584	PC-121449	A	4 ACSR	12.67Y	105.6	0.00	20.42	0.64	0	8	1	99	0.00	0.0	7.114	0.047	0	0	0	1	L
L PC-121925	PC-121782	A	4 ACSR	12.71Y	105.9	0.00	20.11	1.62	1	21	2	100	0.00	0.0	5.878	0.135	0	0	0	4	L
L PC-122469	PC-121925	A	4 ACSR	12.71Y	105.9	0.00	20.11	1.62	1	21	2	100	0.00	0.0	5.896	0.018	0	0	0	4	L
L PC-115125	PC-122469	A	4 ACSR	12.71Y	105.9	0.00	20.12	1.07	1	14	1	100	0.00	0.0	6.002	0.106	0	0	0	3	L
L PC-172959	PC-115125	A	4 ACSR	12.71Y	105.9	0.00	20.12	1.07	1	14	1	100	0.00	0.0	6.055	0.052	0	0	0	3	L
L PC-172852	PC-172959	A	4 ACSR	12.71Y	105.9	0.00	20.12	0.10	0	1	0	100	0.00	0.0	6.067	0.013	0	0	0	1	L
L PC-120771	PC-172959	A	4 ACSR	12.71Y	105.9	0.00	20.12	0.97	1	12	1	100	0.00	0.0	6.112	0.057	0	0	0	2	L
L PC-172853	PC-120771	A	4 ACSR	12.71Y	105.9	0.00	20.12	0.20	0	2	0	100	0.00	0.0	6.129	0.017	0	0	0	1	L
L PC-126327	PC-172853	A	2 ACSR	12.71Y	105.9	0.00	20.12	0.20	0	2	0	100	0.00	0.0	6.180	0.051	0	0	0	1	L
L PC-121668	PC-126327	A	2 ACSR	12.71Y	105.9	0.00	20.12	0.20	0	2	0	100	0.00	0.0	6.216	0.036	0	0	0	1	L
L PC-131097	PC-121668	A	2 ACSR	12.71Y	105.9	0.00	20.12	0.20	0	2	0	100	0.00	0.0	6.246	0.029	0	0	0	1	L
L PC-122713	PC-172980	C	6 ACWC	12.72Y	106.0	0.00	20.02	0.94	1	12	1	100	0.00	0.0	4.989	0.006	0	0	0	4	L
L PC-132923	PC-122713	C	6 ACWC	12.72Y	106.0	0.00	20.03	0.94	1	12	1	100	0.00	0.0	5.077	0.087	0	0	0	4	L
L PC-161617	PC-132923	C	2 ACSR	12.72Y	106.0	0.00	20.03	0.17	0	2	0	100	0.00	0.0	5.080	0.004	0	0	0	1	L
L D100518	PC-161617	C	<NULL>	12.72Y	106.0	0.00	20.03	0.17	0	2	0	100	0.00	0.0	5.080	0.004	0	0	0	1	L
L PC-161616	D100518	C	1/0 URD PR	12.72Y	106.0	0.00	20.03	0.17	0	2	0	100	0.00	0.0	5.100	0.020	0	0	0	1	L
L PC-120728	PC-132923	C	6 ACWC	12.72Y	106.0	0.00	20.03	0.75	1	9	1	99	0.00	0.0	5.149	0.073	0	0	0	2	L
L PC-119322	PC-172980	B	6 ACWC	12.72Y	106.0	0.00	20.03	0.12	0	2	0	100	0.00	0.0	4.989	0.006	0	0	0	1	L
L PC-119321	PC-119322	B	6 ACWC	12.72Y	106.0	0.00	20.03	0.12	0	2	0	100	0.00	0.0	5.010	0.021	0	0	0	1	L
L PC-133145	PC-124162	B	4 ACSR	12.72Y	106.0	0.00	19.99	0.29	0	4	0	100	0.00	0.0	4.455	0.006	0	0	0	1	L
L PC-124161	PC-133145	B	4 ACSR	12.72Y	106.0	0.00	19.99	0.29	0	4	0	100	0.00	0.0	4.503	0.048	0	0	0	1	L
L PC-167260	PC-117641	A	1/0 URD PR	12.73Y	106.1	0.00	19.93	1.95	1	25	2	100	0.00	0.0	3.974	0.006	0	0	0	14	L
L PC-158080	PC-167260	A	1/0 URD PR	12.73Y	106.1	0.00	19.94	1.95	1	25	2	100	0.00	0.0	4.119	0.144	0	0	0	14	L
L PC-117198	PC-158080	A	6 ACWC	12.73Y	106.1	0.00	19.94	1.95	1	25	2	100	0.00	0.0	4.124	0.006	0	0	0	14	L
L PC-116668	PC-117198	A	6 ACWC	12.73Y	106.1	0.00	19.94	1.74	1	22	2	100	0.00	0.0	4.217	0.092	0	0	0	13	L
L PC-119396	PC-116668	A	6 ACWC	12.73Y	106.1	0.00	19.94	1.74	1	22	2	100	0.00	0.0	4.260	0.043	0	0	0	13	L
L PC-122883	PC-119396	A	6 ACWC	12.73Y	106.1	0.00	19.95	1.50	1	19	2	99	0.00	0.0	4.392	0.132	0	0	0	12	L
L PC-127170	PC-122883	A	4 ACSR	12.73Y	106.1	0.00	19.95	1.50	1	19	2	99	0.00	0.0	4.398	0.006	0	0	0	12	L
L D3276	PC-127170	A	REC_99_UNK	12.73Y	106.1	0.00	19.95	1.50	0	19	2	99	0.00	0.0	4.398	0.006	0	0	0	12	L
L PC-122640	D3276	A	4 ACSR	12.73Y	106.0	0.01	19.95	1.50	1	19	2	99	0.00	0.0	4.612	0.214	0	0	0	12	L
L PC-124060	PC-122640	A	6 ACWC	12.73Y	106.0	0.00	19.96	1.33	1	17	1	100	0.00	0.0	4.689	0.077	0	0	0	10	L
L PC-124493	PC-124060	A	6 ACWC	12.73Y	106.0	0.00	19.96	0.87	1	11	1	100	0.00	0.0	4.789	0.100	0	0	0	8	L
L PC-124492	PC-124493	A	6 ACWC	12.72Y	106.0	0.00	19.96	0.87	1	11	1	100	0.00	0.0	4.911	0.122	0	0	0	8	L

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

Balanced Voltage Drop Report
Source: NINEVAH

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\BASE WINTER SUB ALLOCATION.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L PC-124490	PC-124492	A	6 ACWC	12.72Y	106.0	0.00	19.96	0.87	1	11	1	100	0.00	0.0	4.945	0.034	0	0	0	8	L
L PC-133144	PC-124490	A	6 ACWC	12.72Y	106.0	0.00	19.96	0.87	1	11	1	100	0.00	0.0	5.028	0.083	0	0	0	8	L
L PC-121160	PC-133144	A	6 ACWC	12.72Y	106.0	0.00	19.96	0.77	1	10	1	100	0.00	0.0	5.068	0.040	0	0	0	6	L
L PC-123732	PC-121160	A	6 ACWC	12.72Y	106.0	0.00	19.96	0.77	1	10	1	100	0.00	0.0	5.130	0.062	0	0	0	6	L
L PC-133106	PC-123732	A	4 ACSR	12.72Y	106.0	0.00	19.96	0.52	0	7	1	99	0.00	0.0	5.199	0.069	0	0	0	4	L
L PC-121162	PC-133106	A	4 ACSR	12.72Y	106.0	0.00	19.96	0.50	0	6	1	99	0.00	0.0	5.225	0.026	0	0	0	3	L
L PC-124163	PC-121162	A	4 ACSR	12.72Y	106.0	0.00	19.96	0.43	0	5	0	100	0.00	0.0	5.246	0.021	0	0	0	2	L
L PC-114714	PC-124163	A	4 ACSR	12.72Y	106.0	0.00	19.97	0.37	0	5	0	100	0.00	0.0	5.300	0.054	0	0	0	1	L
L PC-115267	PC-123732	A	6 ACWC	12.72Y	106.0	0.00	19.96	0.16	0	2	0	100	0.00	0.0	5.238	0.107	0	0	0	1	L
L PC-115638	PC-133144	A	4 ACSR	12.72Y	106.0	0.00	19.96	0.10	0	1	0	100	0.00	0.0	5.094	0.066	0	0	0	2	L
L PC-121966	PC-115638	A	4 ACSR	12.72Y	106.0	0.00	19.96	0.10	0	1	0	100	0.00	0.0	5.176	0.082	0	0	0	2	L
L PC-124150	PC-121966	A	4 ACSR	12.72Y	106.0	0.00	19.96	0.10	0	1	0	100	0.00	0.0	5.220	0.043	0	0	0	2	L
L PC-121513	PC-124150	A	4 ACSR	12.72Y	106.0	0.00	19.96	0.09	0	1	0	100	0.00	0.0	5.324	0.105	0	0	0	1	L
L PC-124167	PC-124060	A	4 ACSR	12.73Y	106.0	0.00	19.96	0.00	0	0	0	100	0.00	0.0	4.758	0.069	0	0	0	1	L
L PC-122468	PC-122640	A	6 ACWC	12.73Y	106.0	0.00	19.95	0.00	0	0	0	100	0.00	0.0	4.759	0.147	0	0	0	1	L
L PC-124468	PC-122468	A	4 ACSR	12.73Y	106.0	0.00	19.95	0.00	0	0	0	100	0.00	0.0	4.849	0.090	0	0	0	1	L
L PC-116589	PC-117198	A	4 ACSR	12.73Y	106.1	0.00	19.94	0.21	0	3	0	100	0.00	0.0	4.132	0.008	0	0	0	1	L
L PC-125410	PC-116589	A	4 ACSR	12.73Y	106.1	0.00	19.94	0.21	0	3	0	100	0.00	0.0	4.178	0.046	0	0	0	1	L
L PC-121136	PC-116638	B	2 ACSR	12.76Y	106.3	0.02	19.68	15.59	9	198	18	100	0.03	0.0	2.523	0.086	0	0	0	1	L
L PC-132714	PC-121136	B	2 ACSR	12.75Y	106.3	0.06	19.73	15.58	9	198	18	100	0.10	0.1	2.774	0.250	0	0	0	0	L
L PC-124246	PC-132714	B	4 ACSR	12.75Y	106.2	0.02	19.75	15.58	11	198	18	100	0.04	0.0	2.833	0.060	0	0	0	0	L
L PC-125195	PC-121136	B	4 ACSR	12.76Y	106.3	0.00	19.68	0.01	0	0	0	100	0.00	0.0	2.529	0.006	0	0	0	1	L
L PC-121680	PC-125195	B	4 ACSR	12.76Y	106.3	0.00	19.68	0.01	0	0	0	100	0.00	0.0	2.603	0.074	0	0	0	1	L
L PC-121681	PC-121680	B	4 ACSR	12.76Y	106.3	0.00	19.68	0.01	0	0	0	100	0.00	0.0	2.687	0.084	0	0	0	1	L
L PC-172836	PC-175054	ABC	4 ACSR	12.76Y	106.4	0.00	19.64	0.09	0	4	0	100	0.00	0.0	2.436	0.078	0	0	0	4	L
L PC-132759	PC-172836	C	4 ACSR	12.76Y	106.4	0.00	19.64	0.08	0	1	0	100	0.00	0.0	2.476	0.040	0	0	0	1	L
L PC-115213	PC-175054	C	4 ACSR	12.76Y	106.4	0.00	19.64	1.14	1	14	1	100	0.00	0.0	2.397	0.039	0	0	0	2	L
L PC-172835	PC-115213	C	4 ACSR	12.76Y	106.4	0.00	19.64	1.14	1	14	1	100	0.00	0.0	2.471	0.074	0	0	0	2	L
L PC-172919	PC-172827	B	4 ACSR	12.79Y	106.5	0.00	19.45	0.22	0	3	0	100	0.00	0.0	1.364	0.006	0	0	0	1	L
L PC-123076	PC-172919	B	4 ACSR	12.79Y	106.5	0.00	19.45	0.22	0	3	0	100	0.00	0.0	1.448	0.085	0	0	0	1	L
L PC-172828	PC-172827	C	4 ACSR	12.79Y	106.5	0.00	19.45	0.23	0	3	0	100	0.00	0.0	1.364	0.006	0	0	0	1	L
L PC-123138	PC-172828	C	4 ACSR	12.79Y	106.5	0.00	19.45	0.23	0	3	0	100	0.00	0.0	1.420	0.056	0	0	0	1	L
L PC-115023	PC-121823	ABC	4/0 ACSR	12.79Y	106.6	0.01	19.44	34.39	10	1313	128	100	0.08	0.0	1.255	0.052	0	0	0	426	L
L PC-122940	PC-115023	B	4 ACSR	12.79Y	106.6	0.00	19.44	0.76	1	10	1	100	0.00	0.0	1.260	0.006	0	0	0	4	L
L PC-122085	PC-122940	B	4 ACSR	12.79Y	106.6	0.00	19.44	0.76	1	10	1	100	0.00	0.0	1.330	0.070	0	0	0	4	L
L PC-121345	PC-122085	B	4 ACSR	12.79Y	106.6	0.00	19.44	0.66	0	8	1	99	0.00	0.0	1.391	0.061	0	0	0	3	L
L PC-122939	PC-115023	ABC	4/0 ACSR	12.79Y	106.6	0.01	19.44	34.13	10	1303	127	100	0.07	0.0	1.301	0.046	0	0	0	422	L
L PC-172830	PC-122939	ABC	4/0 ACSR	12.79Y	106.5	0.01	19.45	34.13	10	1303	127	100	0.07	0.0	1.344	0.043	0	0	0	422	L
L PC-172940	PC-172830	A	4 ACSR	12.79Y	106.5	0.00	19.45	6.80	5	87	8	100	0.00	0.0	1.350	0.006	0	0	0	15	L
L PC-120857	PC-172940	A	4 ACSR	12.78Y	106.5	0.01	19.46	6.80	5	87	8	100	0.01	0.0	1.412	0.063	0	0	0	15	L
L PC-120866	PC-120857	A	4 ACSR	12.78Y	106.5	0.01	19.47	6.80	5	87	8	100	0.01	0.0	1.494	0.082	0	0	0	15	L
L PC-120273	PC-120866	A	4 ACSR	12.78Y	106.5	0.00	19.47	6.76	5	86	7	100	0.00	0.0	1.500	0.006	0	0	0	14	L
L PC-122089	PC-120273	A	4 ACSR	12.78Y	106.5	0.01	19.48	6.76	5	86	7	100	0.01	0.0	1.555	0.056	0	0	0	14	L
L PC-123005	PC-122089	A	4 ACSR	12.78Y	106.5	0.01	19.49	6.76	5	86	7	100	0.01	0.0	1.626	0.071	0	0	0	14	L
L PC-113874	PC-123005	A	2 ACSR	12.78Y	106.5	0.00	19.49	0.60	0	8	1	99	0.00	0.0	1.659	0.033	0	0	0	2	L
L PC-122327	PC-113874	A	2 ACSR	12.78Y	106.5	0.00	19.49	0.00	0	0	0	100	0.00	0.0	1.716	0.057	0	0	0	0	L
L PC-115175	PC-122327	A	2 ACSR	12.78Y	106.5	0.00	19.49	0.00	0	0	0	100	0.00	0.0	1.794	0.078	0	0	0	0	L
L PC-158521	PC-115175	A	1/0 URD PR	12.78Y	106.5	0.00	19.49	0.00	0	0	0	100	0.00	0.0	1.800	0.006	0	0	0	0	L
L PC-158705	PC-158521	A	1/0 URD PR	12.78Y	106.5	0.00	19.49	0.00	0	0	0	100	0.00	0.0	1.840	0.040	0	0	0	0	L
L PC-123137	PC-123005	A	4 ACSR	12.78Y	106.5	0.01	19.50	6.16	4	78	7	100	0.01	0.0	1.707	0.081	0	0	0	12	L
L PC-124135	PC-123137	A	4 ACSR	12.78Y	106.5	0.01	19.51	6.16	4	78	7	100	0.01	0.0	1.768	0.061	0	0	0	12	L
L PC-123008	PC-124135	A	4 ACSR	12.78Y	106.5	0.01	19.52	6.16	4	78	7	100	0.00	0.0	1.808	0.040	0	0	0	12	L
L PC-132708	PC-123008	A	4 ACSR	12.78Y	106.5	0.01	19.53	5.59	4	71	6	100	0.01	0.0	1.884	0.076	0	0	0	11	L
L PC-123009	PC-132708	A	4 ACSR	12.78Y	106.5	0.01	19.54	4.75	3	60	5	100	0.01	0.0	1.977	0.093	0	0	0	10	L
L PC-117251	PC-123009	A	4 ACSR	12.77Y	106.5	0.01	19.54	4.17	3	53	5	100	0.00	0.0	2.051	0.074	0	0	0	9	L
L PC-116106	PC-117251	A	4 ACSR	12.77Y	106.5	0.00	19.54	3.75	3	48	4	100	0.00	0.0	2.062	0.011	0	0	0	8	L
L PC-116630	PC-116106	A	4 ACSR	12.77Y	106.5	0.00	19.55	3.51	3	45	4	100	0.00	0.0	2.122	0.060	0	0	0	7	L
L PC-117253	PC-116630	A	4 ACSR	12.77Y	106.4	0.00	19.55	3.13	2	40	3	100	0.00	0.0	2.162	0.039	0	0	0	6	L
L PC-119901	PC-117253	A	4 ACSR	12.77Y	106.4	0.00	19.55	2.94	2	37	3	100	0.00	0.0	2.208	0.046	0	0	0	5	L
L PC-116632	PC-119901	A	4 ACSR	12.77Y	106.4	0.00	19.56	2.94	2	37	3	100	0.00	0.0	2.282	0.074	0	0	0	5	L
L PC-122441	PC-116632	A	4 ACSR	12.77Y	106.4	0.00	19.56	2.15	2	27	2	100	0.00	0.0	2.350	0.068	0	0	0	4	L
L PC-122172	PC-122441	A	4 ACSR	12.77Y	106.4	0.00	19.56	0.49	0	6	1	99	0.00	0.0	2.423	0.073	0	0	0	1	L
L PC-116848	PC-122441	A	4 ACSR	12.77Y	106.4	0.00	19.56	0.13	0	2	0	100	0.00	0.0	2.431	0.081	0	0	0	1	L
L PC-121868	PC-116848	A	4 ACSR	12.77Y	106.4	0.00	19.56	0.13	0	2	0	100	0.00	0.0	2.501	0.069	0	0	0	1	L
L PC-173340	PC-172830	C	4 ACSR	12.79Y	106.5	0.00	19.45	0.00	0	0	0	100	0.00	0.0	1.443	0.099	0	0	0	1	L
L PC-122901	PC-172830	ABC	4/0 ACSR	12.79Y	106.5	0.01	19.46	31.87	9	1216	120	100	0.06	0.0	1.389	0.045	0	0	0	406	L
L PC-172939	PC-122901	ABC	4/0 ACSR	12.78Y	106.5	0.01	19.47	31.87	9	1216	120	100	0.08	0.0	1.452	0.063	0	0	0	406	L
L PC-122580	PC-172939	ABC	4/0 ACSR	12.78Y	106.5	0.01	19.47	31.87	9	1216	119	100	0.07	0.0	1.503	0.052	0	0	0	406	L
L PC-126180	PC-122580	ABC	4/0 ACSR	12.78Y	106.5	0.01	19.48	31.87	9	1216	119	100	0.07	0.0	1.551	0.048	0	0	0	406	L
L PC-119734	PC-126180	ABC	3/0 ACSR	12.78Y	106.5	0.01	19.49	31.87	11	1216	119	100	0.08	0.0	1.600	0.048	0	0	0	406	L
L PC-122574	PC-119734	ABC	3/0 ACSR	12.78Y	106.5	0.01	19.50	31.87	11	1216	119	100	0.08	0.0	1.649	0.049	0	0	0	406	L
L PC-125898	PC-122574	ABC	3/0 ACSR	12.78Y	106.5	0.01	19.50	31.87	11	1216	119	100	0.09	0.0	1.699	0.050	0	0	0	406	L
L PC-125904	PC-125898	B	2 ACSR	12.78Y	106.5	0.00	19.50	2.75	2	35	3	100	0.00	0.0	1.705	0.006	0	0	0	2	L
L PC-121250	PC-125904	B	2 ACSR	12.78Y	106.5	0.00	19.51	2.75	2	35	3	100	0.00	0.0	1.742	0.037	0	0	0	2	L
L PC-122577	PC-121250	B	4 ACSR	12.78Y	106.5	0.00	19.51	2.75	2	35	3	100	0.00	0.0	1.795	0.053	0	0	0	2	L
L PC-119741	PC-122577	B	2 ACSR	12.78Y	106.5	0.00	19.51	0.67	0	9	1	99	0.00	0.0	1.841	0.046	0	0	0	1	L
L PC-122579	PC-119741	B	2 ACSR	12.78Y	106.5	0.00	19.51	0.67	0	9	1	99	0.00	0.0	1.887	0.046	0	0	0	1	L
L PC-124853	PC-125898	ABC	3/0 ACSR	12.78Y	106.5	0.01	19.51	30.95	10	1181	116	100	0.10	0.0	1.760	0.060	0	0	0	404	L
L PC-130080	PC-124853	A	4 ACSR	12.78Y	106.5	0.00	19.51	0.00	0	0	0	100	0.00	0.0	1.884	0.125	0	0	0	0	L
L PC-123525	PC-124853	ABC	3/0 ACSR	12.78Y	106.5	0.01	19.52	30.95	10	1181	116	100	0.08	0.0	1.812	0.052	0	0	0	404	L

Balanced Voltage Drop Report
Source: NINEVAH

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\BASE WINTER SUB ALLOCATION.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Cons On	Cons Thru	
L PC-130081	PC-123525	B	2 ACSR	12.78Y	106.5	0.00	19.52	0.03	0	0	0	100	0.00	0.0	1.818	0.006	0	0	0	1	L
L PC-122894	PC-130081	B	2 ACSR	12.78Y	106.5	0.00	19.52	0.03	0	0	0	100	0.00	0.0	1.879	0.061	0	0	0	1	L
L PC-123524	PC-123525	ABC	3/0 ACSR	12.78Y	106.5	0.01	19.53	30.94	10	1180	115	100	0.08	0.0	1.859	0.047	0	0	0	403	L
L PC-123523	PC-123524	ABC	3/0 ACSR	12.78Y	106.5	0.01	19.54	30.94	10	1180	115	100	0.07	0.0	1.904	0.045	0	0	0	403	L
L PC-122786	PC-123523	ABC	3/0 ACSR	12.77Y	106.5	0.01	19.55	30.94	10	1180	115	100	0.07	0.0	1.947	0.043	0	0	0	403	L
L PC-123521	PC-122786	ABC	3/0 ACSR	12.77Y	106.4	0.01	19.55	30.94	10	1180	115	100	0.09	0.0	2.003	0.056	0	0	0	403	L
L PC-127367	PC-123521	ABC	3/0 ACSR	12.77Y	106.4	0.01	19.56	30.94	10	1180	115	100	0.09	0.0	2.060	0.057	0	0	0	403	L
L PC-127366	PC-127367	B	4 ACSR	12.77Y	106.4	0.00	19.56	0.49	0	6	1	99	0.00	0.0	2.066	0.006	0	0	0	2	L
L PC-130085	PC-127366	B	4 ACSR	12.77Y	106.4	0.00	19.56	0.49	0	6	1	99	0.00	0.0	2.130	0.064	0	0	0	2	L
L PC-121508	PC-130085	B	4 ACSR	12.77Y	106.4	0.00	19.56	0.49	0	6	1	99	0.00	0.0	2.155	0.025	0	0	0	2	L
L PC-126179	PC-121508	B	4 ACSR	12.77Y	106.4	0.00	19.56	0.00	0	0	0	100	0.00	0.0	2.253	0.098	0	0	0	1	L
L PC-122874	PC-127367	ABC	3/0 ACSR	12.77Y	106.4	0.01	19.57	30.78	10	1174	114	100	0.08	0.0	2.109	0.049	0	0	0	401	L
L PC-128054	PC-122874	ABC	3/0 ACSR	12.77Y	106.4	0.01	19.58	30.78	10	1174	114	100	0.08	0.0	2.161	0.052	0	0	0	401	L
L PC-129343	PC-128054	ABC	3/0 ACSR	12.77Y	106.4	0.01	19.59	30.78	10	1174	114	100	0.08	0.0	2.213	0.051	0	0	0	401	L
L PC-121443	PC-129343	ABC	3/0 ACSR	12.77Y	106.4	0.01	19.60	30.78	10	1174	114	100	0.09	0.0	2.269	0.057	0	0	0	401	L
L PC-121442	PC-121443	ABC	3/0 ACSR	12.77Y	106.4	0.01	19.61	30.78	10	1173	114	100	0.09	0.0	2.326	0.057	0	0	0	401	L
L PC-124448	PC-121442	C	4 ACSR	12.77Y	106.4	0.00	19.61	0.91	1	12	1	100	0.00	0.0	2.332	0.006	0	0	0	2	L
L PC-121201	PC-124448	C	4 ACSR	12.77Y	106.4	0.00	19.61	0.91	1	12	1	100	0.00	0.0	2.402	0.071	0	0	0	2	L
L PC-119727	PC-121442	B	4 ACSR	12.77Y	106.4	0.00	19.61	0.30	0	4	0	100	0.00	0.0	2.332	0.006	0	0	0	1	L
L PC-121594	PC-119727	B	4 ACSR	12.77Y	106.4	0.00	19.61	0.30	0	4	0	100	0.00	0.0	2.357	0.026	0	0	0	1	L
L PC-115402	PC-121442	ABC	3/0 ACSR	12.77Y	106.4	0.01	19.62	30.37	10	1158	112	100	0.12	0.0	2.401	0.075	0	0	0	398	L
L PC-115401	PC-115402	B	2 ACSR	12.77Y	106.4	0.00	19.62	0.51	0	7	1	99	0.00	0.0	2.407	0.006	0	0	0	2	L
L PC-122847	PC-115401	B	2 ACSR	12.77Y	106.4	0.00	19.62	0.51	0	7	1	99	0.00	0.0	2.454	0.047	0	0	0	2	L
L PC-114747	PC-115402	ABC	3/0 ACSR	12.76Y	106.4	0.01	19.63	30.20	10	1151	112	100	0.09	0.0	2.463	0.062	0	0	0	396	L
L PC-115818	PC-114747	ABC	3/0 ACSR	12.76Y	106.4	0.00	19.63	30.20	10	1151	112	100	0.01	0.0	2.469	0.006	0	0	0	396	L
L D3161	PC-115818	ABC	REC_50_UNK	12.76Y	106.4	0.00	19.63	30.20	0	1151	112	100	0.00	0.0	2.469	0.006	0	0	0	396	L
L PC-121203	D3161	ABC	3/0 ACSR	12.76Y	106.4	0.01	19.64	30.20	10	1151	112	100	0.07	0.0	2.514	0.045	0	0	0	396	L
L PC-122820	PC-121203	B	2 ACSR	12.76Y	106.4	0.00	19.64	0.23	0	3	0	100	0.00	0.0	2.574	0.061	0	0	0	2	L
L PC-118916	PC-122820	B	2 ACSR	12.76Y	106.4	0.00	19.64	0.23	0	3	0	100	0.00	0.0	2.631	0.057	0	0	0	2	L
L PC-115436	PC-121203	ABC	3/0 ACSR	12.76Y	106.4	0.01	19.65	30.13	10	1148	111	100	0.09	0.0	2.573	0.060	0	0	0	394	L
L PC-121578	PC-115436	ABC	3/0 ACSR	12.76Y	106.3	0.01	19.66	30.13	10	1148	111	100	0.12	0.0	2.652	0.078	0	0	0	394	L
L PC-124449	PC-121578	C	4 ACSR	12.76Y	106.3	0.00	19.66	0.03	0	0	0	100	0.00	0.0	2.658	0.006	0	0	0	1	L
L PC-121204	PC-124449	C	4 ACSR	12.76Y	106.3	0.00	19.66	0.03	0	0	0	100	0.00	0.0	2.694	0.037	0	0	0	1	L
L PC-120288	PC-121204	C	4 ACSR	12.76Y	106.3	0.00	19.66	0.03	0	0	0	100	0.00	0.0	2.766	0.072	0	0	0	1	L
L PC-119729	PC-121578	ABC	3/0 ACSR	12.76Y	106.3	0.01	19.67	30.11	10	1148	111	100	0.10	0.0	2.715	0.063	0	0	0	393	L
L PC-122841	PC-119729	ABC	3/0 ACSR	12.76Y	106.3	0.01	19.68	30.11	10	1147	111	100	0.09	0.0	2.772	0.058	0	0	0	393	L
L PC-130079	PC-122841	ABC	3/0 ACSR	12.76Y	106.3	0.01	19.69	30.11	10	1147	111	100	0.10	0.0	2.835	0.063	0	0	0	393	L
L PC-128057	PC-130079	ABC	3/0 ACSR	12.76Y	106.3	0.01	19.70	30.11	10	1147	110	100	0.10	0.0	2.899	0.063	0	0	0	393	L
L PC-175669	PC-128057	ABC	2 ACSR	12.76Y	106.3	0.00	19.70	11.47	6	437	38	100	0.02	0.0	2.926	0.028	0	0	0	89	L
L PC-174678	PC-175669	ABC	2 ACSR	12.75Y	106.3	0.01	19.71	10.71	6	408	35	100	0.02	0.0	2.973	0.047	0	0	0	82	L
L PC-171180	PC-174678	ABC	2 ACSR	12.75Y	106.3	0.01	19.71	10.71	6	408	35	100	0.02	0.0	3.020	0.047	0	0	0	82	L
L PC-174817	PC-171180	ABC	2 ACSR	12.75Y	106.3	0.00	19.72	8.66	5	330	29	100	0.01	0.0	3.067	0.046	0	0	0	68	L
L PC-169889	PC-174817	ABC	2 ACSR	12.75Y	106.3	0.00	19.72	8.49	5	324	28	100	0.01	0.0	3.103	0.037	0	0	0	66	L
L PC-171299	PC-169889	ABC	2 ACSR	12.75Y	106.3	0.00	19.73	8.35	5	318	28	100	0.01	0.0	3.124	0.021	0	0	0	65	L
L PC-171300	PC-171299	ABC	2 ACSR	12.75Y	106.3	0.00	19.73	2.32	1	88	8	100	0.00	0.0	3.159	0.035	0	0	0	25	L
L PC-171301	PC-171300	ABC	2 ACSR	12.75Y	106.3	0.00	19.73	1.98	1	75	7	100	0.00	0.0	3.188	0.028	0	0	0	22	L
L PC-171302	PC-171301	ABC	2 ACSR	12.75Y	106.3	0.00	19.73	1.98	1	75	7	100	0.00	0.0	3.221	0.033	0	0	0	22	L
L PC-171181	PC-171302	ABC	2 ACSR	12.75Y	106.3	0.00	19.73	1.27	1	48	4	100	0.00	0.0	3.245	0.024	0	0	0	12	L
L PC-171182	PC-171181	C	2 ACSR	12.75Y	106.3	0.00	19.73	3.01	2	38	3	100	0.00	0.0	3.262	0.017	0	0	0	8	L
L PC-171185	PC-171182	C	2 ACSR	12.75Y	106.3	0.00	19.73	3.01	2	38	3	100	0.00	0.0	3.267	0.005	0	0	0	8	L
L D101158	PC-171185	C	REC_25_E	12.75Y	106.3	0.00	19.73	3.01	0	38	3	100	0.00	0.0	3.267	0.005	0	0	0	8	L
L PC-169892	D101158	C	2 ACSR	12.75Y	106.3	0.00	19.73	3.01	2	38	3	100	0.00	0.0	3.299	0.032	0	0	0	8	L
L PC-169890	PC-169892	C	2 ACSR	12.75Y	106.3	0.00	19.73	2.30	1	29	3	99	0.00	0.0	3.328	0.029	0	0	0	6	L
L PC-169891	PC-169890	C	2 ACSR	12.75Y	106.3	0.00	19.73	1.12	1	14	1	100	0.00	0.0	3.360	0.032	0	0	0	4	L
L PC-175670	PC-169891	C	2 ACSR	12.75Y	106.3	0.00	19.73	1.07	1	14	1	100	0.00	0.0	3.399	0.039	0	0	0	3	L
L PC-175671	PC-175670	C	2 ACSR	12.75Y	106.3	0.00	19.73	0.00	0	0	0	100	0.00	0.0	3.426	0.027	0	0	0	0	L
L PC-177306	PC-175671	C	2 ACSR	12.75Y	106.3	0.00	19.73	0.00	0	0	0	100	0.00	0.0	3.473	0.048	0	0	0	0	L
L PC-126181	PC-171181	ABC	2 ACSR	12.75Y	106.3	0.00	19.73	0.15	0	6	0	100	0.00	0.0	3.287	0.042	0	0	0	2	L
L PC-171305	PC-171302	C	2 ACSR	12.75Y	106.3	0.00	19.73	1.95	1	25	2	100	0.00	0.0	3.226	0.006	0	0	0	9	L
L PC-171306	PC-171305	C	2 ACSR	12.75Y	106.3	0.00	19.73	1.95	1	25	2	100	0.00	0.0	3.260	0.034	0	0	0	9	L
L PC-122832	PC-171306	C	2 ACSR	12.75Y	106.3	0.00	19.73	1.51	1	19	2	99	0.00	0.0	3.289	0.029	0	0	0	7	L
L PC-125906	PC-122832	C	2 ACSR	12.75Y	106.3	0.00	19.73	1.51	1	19	2	99	0.00	0.0	3.317	0.028	0	0	0	7	L
L PC-130089	PC-125906	C	2 ACSR	12.75Y	106.3	0.00	19.73	1.14	1	15	1	100	0.00	0.0	3.375	0.058	0	0	0	5	L
L PC-130084	PC-130089	C	2 ACSR	12.75Y	106.3	0.00	19.73	0.00	0	0	0	100	0.00	0.0	3.421	0.046	0	0	0	0	L
L PC-119470	PC-130089	C	2 ACSR	12.75Y	106.3	0.00	19.73	0.78	0	10	1	100	0.00	0.0	3.419	0.044	0	0	0	3	L
L PC-119733	PC-119470	C	2 ACSR	12.75Y	106.3	0.00	19.73	0.63	0	8	1	99	0.00	0.0	3.454	0.035	0	0	0	2	L
L PC-119737	PC-119733	C	2 ACSR	12.75Y	106.3	0.00	19.73	0.63	0	8	1	99	0.00	0.0	3.479	0.025	0	0	0	2	L
L PC-171303	PC-171299	B	2 ACSR	12.75Y	106.3	0.01	19.73	17.72	10	225	20	100	0.01	0.0	3.145	0.021	0	0	0	39	L
L PC-171304	PC-171303	B	2 ACSR	12.75Y	106.3	0.00	19.73	17.72	10	225	20	100	0.00	0.0	3.150	0.005	0	0	0	39	L
L D101156	PC-171304	B	REC_25_E	12.75Y	106.3	0.00	19.73	17.72	0	225	20	100	0.00	0.0	3.150	0.005	0	0	0	39	L
L PC-171184	D101156	B	2 ACSR	12.75Y	106.3	0.00	19.73	17.72	10	225	20	100	0.00	0.0	3.155	0.005	0	0	0	39	L
L PC-117638	PC-171184	B	2 ACSR	12.75Y	106.3	0.01	19.74	17.10	10	217	19	100	0.02	0.0	3.193	0.039	0	0	0	38	L
L PC-116624	PC-117638	B	2 ACSR	12.75Y	106.3	0.01	19.75	16.31	9	207	18	100	0.01	0.0	3.215	0.022	0	0	0	36	L
L PC-119001	PC-116624	B	2 ACSR	12.75Y	106.2	0.01	19.76	16.31	9	207	18	100	0.01	0.0	3.245	0.030	0	0	0	36	L
L PC-128263	PC-119001	B	2 ACSR	12.75Y	106.2	0.01	19.76	15.56	9	198	17	100	0.01	0.0	3.274	0.030	0	0	0	34	L
L PC-126013	PC-128263	B	2 ACSR	12.75Y	106.2	0.01	19.77	11.56	6	147	13	100	0.01	0.0	3.314	0.040	0	0	0	22	L
L PC-125925	PC-126013	B	1/0 ACSR	12.75Y	106.2	0.00	19.77	11.21	5	142	12	100	0.01	0.0	3.352	0.038	0	0	0	20	L
L PC-126125	PC-125925	B	1/0 ACSR	12.75Y	106.2	0.00	19.77	1.53	1	19	2	99	0.00	0.0	3.409	0.057	0	0	0	3	L
L PC-126124	PC-125925	B	1/0 ACSR	12.75Y	106.2	0.00	19.78	9.53	4	121	10	100	0.00	0.0	3.376	0.024	0	0	0	16	L
L PC-120732	PC-126124	B	1/0 ACSR	12.75Y	106.2	0.00	19.78	8.17	4	104	9	100	0.00	0.0	3.420	0.044	0	0	0	14	L

Balanced Voltage Drop Report
Source: NINEVAH

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\BASE WINTER SUB ALLOCATION.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L PC-120285	PC-120732	B	1/0 ACSR	12.75Y	106.2	0.00	19.78	4.79	2	61	5	100	0.00	0.0	3.454	0.033	0	0	0	8	L
L PC-121592	PC-120285	B	1/0 ACSR	12.75Y	106.2	0.00	19.78	1.34	1	17	1	100	0.00	0.0	3.504	0.051	0	0	0	3	L
L PC-121591	PC-120285	B	1/0 ACSR	12.75Y	106.2	0.00	19.78	0.33	0	4	0	100	0.00	0.0	3.468	0.014	0	0	0	1	L
L PC-121590	PC-120285	B	1/0 ACSR	12.75Y	106.2	0.00	19.78	2.19	1	28	2	100	0.00	0.0	3.510	0.056	0	0	0	3	L
L PC-122079	PC-121590	B	1/0 ACSR	12.75Y	106.2	0.00	19.78	0.00	0	0	0	100	0.00	0.0	3.523	0.013	0	0	0	0	L
L PC-122359	PC-121590	B	1/0 ACSR	12.75Y	106.2	0.00	19.78	0.61	0	8	1	99	0.00	0.0	3.548	0.038	0	0	0	1	L
L PC-120286	PC-120732	B	1/0 ACSR	12.75Y	106.2	0.00	19.78	2.10	1	27	2	100	0.00	0.0	3.472	0.052	0	0	0	4	L
L PC-120905	PC-128263	B	2 ACSR	12.75Y	106.2	0.00	19.76	3.62	2	46	4	100	0.00	0.0	3.324	0.050	0	0	0	10	L
L PC-122348	PC-120905	B	2 ACSR	12.75Y	106.2	0.00	19.77	1.31	1	17	1	100	0.00	0.0	3.343	0.019	0	0	0	4	L
L PC-121478	PC-120905	B	2 ACSR	12.75Y	106.2	0.00	19.77	1.56	1	20	2	100	0.00	0.0	3.345	0.021	0	0	0	4	L
L PC-175049	PC-171180	A	1/0 ACSR	12.75Y	106.3	0.00	19.72	6.14	3	78	7	100	0.00	0.0	3.028	0.007	0	0	0	14	L
L PC-171183	PC-175049	A	1/0 ACSR	12.75Y	106.3	0.00	19.72	6.14	3	78	7	100	0.00	0.0	3.058	0.031	0	0	0	14	L
L PC-123282	PC-171183	A	1/0 ACSR	12.75Y	106.3	0.00	19.72	5.08	2	65	6	100	0.00	0.0	3.080	0.022	0	0	0	12	L
L PC-119708	PC-123282	A	1/0 ACSR	12.75Y	106.3	0.00	19.72	4.31	2	55	5	100	0.00	0.0	3.123	0.043	0	0	0	11	L
L PC-125748	PC-119708	A	1/0 ACSR	12.75Y	106.3	0.00	19.72	3.13	1	40	3	100	0.00	0.0	3.165	0.042	0	0	0	8	L
L PC-129341	PC-125748	A	1/0 ACSR	12.75Y	106.3	0.00	19.72	2.64	1	34	3	100	0.00	0.0	3.205	0.040	0	0	0	6	L
L PC-172202	PC-129341	A	1/0 ACSR	12.75Y	106.3	0.00	19.72	1.89	1	24	2	100	0.00	0.0	3.231	0.026	0	0	0	4	L
L PC-125935	PC-172202	A	1/0 ACSR	12.75Y	106.3	0.00	19.72	1.07	0	14	1	100	0.00	0.0	3.267	0.035	0	0	0	2	L
L PC-126067	PC-119708	A	1/0 ACSR	12.75Y	106.3	0.00	19.72	0.72	0	9	1	99	0.00	0.0	3.174	0.051	0	0	0	2	L
L PC-127174	PC-175669	A	2 ACSR	12.76Y	106.3	0.00	19.70	2.27	1	29	3	99	0.00	0.0	2.988	0.062	0	0	0	7	L
L PC-175672	PC-127174	A	2 ACSR	12.76Y	106.3	0.00	19.70	2.27	1	29	3	99	0.00	0.0	2.996	0.008	0	0	0	7	L
L D101154	PC-175672	A	REC_25_E	12.76Y	106.3	0.00	19.70	2.27	0	29	3	99	0.00	0.0	2.996	0.008	0	0	0	7	L
L PC-176614	D101154	A	2 ACSR	12.76Y	106.3	0.00	19.71	2.27	1	29	3	99	0.00	0.0	3.072	0.076	0	0	0	7	L
L PC-174166	PC-176614	A	1/0 URD PR	12.76Y	106.3	0.00	19.71	0.03	0	0	0	100	0.00	0.0	3.100	0.028	0	0	0	1	L
L PC-171137	PC-174166	A	1/0 URD PR	12.76Y	106.3	0.00	19.71	0.03	0	0	0	100	0.00	0.0	3.123	0.023	0	0	0	1	L
L PC-170962	PC-171137	A	1/0 URD PR	12.76Y	106.3	0.00	19.71	0.03	0	0	0	100	0.00	0.0	3.139	0.015	0	0	0	1	L
L PC-171138	PC-170962	A	1/0 URD PR	12.76Y	106.3	0.00	19.71	0.03	0	0	0	100	0.00	0.0	3.154	0.015	0	0	0	1	L
L PC-170963	PC-171138	A	1/0 URD PR	12.76Y	106.3	0.00	19.71	0.03	0	0	0	100	0.00	0.0	3.178	0.024	0	0	0	1	L
L PC-171124	PC-170963	A	1/0 URD PR	12.76Y	106.3	0.00	19.71	0.03	0	0	0	100	0.00	0.0	3.199	0.021	0	0	0	1	L
L PC-171125	PC-171124	A	1/0 URD PR	12.76Y	106.3	0.00	19.71	0.03	0	0	0	100	0.00	0.0	3.222	0.023	0	0	0	1	L
L PC-171126	PC-171125	A	1/0 URD PR	12.76Y	106.3	0.00	19.71	0.03	0	0	0	100	0.00	0.0	3.245	0.023	0	0	0	1	L
L PC-171127	PC-171126	A	1/0 URD PR	12.76Y	106.3	0.00	19.71	0.03	0	0	0	100	0.00	0.0	3.265	0.020	0	0	0	1	L
L PC-170964	PC-171127	A	1/0 URD PR	12.76Y	106.3	0.00	19.71	0.03	0	0	0	100	0.00	0.0	3.287	0.022	0	0	0	1	L
L PC-171139	PC-170964	A	1/0 URD PR	12.76Y	106.3	0.00	19.71	0.03	0	0	0	100	0.00	0.0	3.312	0.025	0	0	0	1	L
L PC-117432	PC-176614	A	2 ACSR	12.76Y	106.3	0.00	19.71	2.25	1	29	2	100	0.00	0.0	3.102	0.030	0	0	0	6	L
L PC-170890	PC-117432	A	1/0 URD PR	12.76Y	106.3	0.00	19.71	0.00	0	0	0	100	0.00	0.0	3.129	0.027	0	0	0	0	L
L PC-171071	PC-170890	A	1/0 URD PR	12.76Y	106.3	0.00	19.71	0.00	0	0	0	100	0.00	0.0	3.154	0.025	0	0	0	0	L
L PC-125745	PC-117432	A	2 ACSR	12.75Y	106.3	0.00	19.71	2.25	1	29	2	100	0.00	0.0	3.129	0.027	0	0	0	6	L
L PC-122767	PC-125745	A	2 ACSR	12.75Y	106.3	0.00	19.71	2.25	1	29	2	100	0.00	0.0	3.138	0.008	0	0	0	6	L
L PC-170888	PC-122767	A	1/0 URD PR	12.75Y	106.3	0.00	19.71	1.04	1	13	1	100	0.00	0.0	3.166	0.028	0	0	0	2	L
L PC-171070	PC-170888	A	1/0 URD PR	12.75Y	106.3	0.00	19.71	1.04	1	13	1	100	0.00	0.0	3.188	0.022	0	0	0	2	L
L PC-170889	PC-171070	A	1/0 URD PR	12.75Y	106.3	0.00	19.71	1.04	1	13	1	100	0.00	0.0	3.212	0.024	0	0	0	2	L
L PC-176572	PC-170889	A	1/0 URD PR	12.75Y	106.3	0.00	19.71	0.64	0	8	1	99	0.00	0.0	3.236	0.024	0	0	0	1	L
L PC-176573	PC-176572	A	1/0 URD PR	12.75Y	106.3	0.00	19.71	0.64	0	8	1	99	0.00	0.0	3.290	0.053	0	0	0	1	L
L PC-176748	PC-176573	A	1/0 URD PR	12.75Y	106.3	0.00	19.71	0.64	0	8	1	99	0.00	0.0	3.340	0.050	0	0	0	1	L
L PC-176574	PC-176748	A	1/0 URD PR	12.75Y	106.3	0.00	19.71	0.64	0	8	1	99	0.00	0.0	3.362	0.022	0	0	0	1	L
L PC-121589	PC-122767	A	2 ACSR	12.75Y	106.3	0.00	19.71	1.20	1	15	1	100	0.00	0.0	3.188	0.050	0	0	0	4	L
L PC-121847	PC-121589	A	2 ACSR	12.75Y	106.3	0.00	19.71	0.77	0	10	1	100	0.00	0.0	3.240	0.052	0	0	0	3	L
L PC-116937	PC-121847	A	2 ACSR	12.75Y	106.3	0.00	19.71	0.40	0	5	0	100	0.00	0.0	3.277	0.037	0	0	0	1	L
L PC-117640	PC-128057	ABC	3/0 ACSR	12.76Y	106.3	0.00	19.70	18.65	6	710	72	99	0.02	0.0	2.941	0.043	0	0	0	304	L
L PC-123531	PC-117640	ABC	3/0 ACSR	12.76Y	106.3	0.00	19.71	18.65	6	710	72	99	0.02	0.0	2.982	0.041	0	0	0	304	L
L PC-123176	PC-123531	B	4 ACSR	12.76Y	106.3	0.00	19.71	3.94	3	50	4	100	0.00	0.0	2.988	0.006	0	0	0	11	L
L PC-122829	PC-123176	B	4 ACSR	12.75Y	106.3	0.00	19.71	3.94	3	50	4	100	0.00	0.0	3.018	0.030	0	0	0	11	L
L PC-122191	PC-122829	B	4 ACSR	12.75Y	106.3	0.00	19.71	3.12	2	40	3	100	0.00	0.0	3.087	0.068	0	0	0	9	L
L PC-119740	PC-122191	B	4 ACSR	12.75Y	106.3	0.00	19.72	2.86	2	36	3	100	0.00	0.0	3.137	0.050	0	0	0	7	L
L PC-131087	PC-119740	B	4 ACSR	12.75Y	106.3	0.00	19.72	2.86	2	36	3	100	0.00	0.0	3.215	0.078	0	0	0	7	L
L PC-131088	PC-131087	B	4 ACSR	12.75Y	106.3	0.00	19.72	0.15	0	2	0	100	0.00	0.0	3.301	0.086	0	0	0	1	L
L PC-123187	PC-131087	B	4 ACSR	12.75Y	106.3	0.00	19.72	2.70	2	34	3	100	0.00	0.0	3.234	0.019	0	0	0	6	L
L PC-122084	PC-123187	B	4 ACSR	12.75Y	106.3	0.00	19.73	1.34	1	17	1	100	0.00	0.0	3.334	0.100	0	0	0	3	L
L PC-122362	PC-122084	B	2 ACSR	12.75Y	106.3	0.00	19.73	0.93	1	12	1	100	0.00	0.0	3.386	0.052	0	0	0	2	L
L PC-121942	PC-122084	B	4 ACSR	12.75Y	106.3	0.00	19.73	0.41	0	5	0	100	0.00	0.0	3.358	0.024	0	0	0	1	L
L PC-122323	PC-123187	B	4 ACSR	12.75Y	106.3	0.00	19.72	0.95	1	12	1	100	0.00	0.0	3.283	0.049	0	0	0	2	L
L PC-125942	PC-122323	B	2 ACSR	12.75Y	106.3	0.00	19.73	0.83	0	10	1	100	0.00	0.0	3.388	0.105	0	0	0	1	L
L PC-115626	PC-122323	B	4 ACSR	12.75Y	106.3	0.00	19.72	0.13	0	2	0	100	0.00	0.0	3.338	0.055	0	0	0	1	L
L PC-120943	PC-123531	ABC	3/0 ACSR	12.75Y	106.3	0.01	19.71	17.34	6	660	68	99	0.03	0.0	3.039	0.057	0	0	0	293	L
L PC-126178	PC-120943	ABC	3/0 ACSR	12.75Y	106.3	0.01	19.72	17.34	6	660	68	99	0.03	0.0	3.101	0.062	0	0	0	293	L
L PC-126185	PC-126178	ABC	3/0 ACSR	12.75Y	106.3	0.00	19.72	17.32	6	659	68	99	0.01	0.0	3.125	0.024	0	0	0	292	L
L PC-166906	PC-126185	ABC	3/0 ACSR	12.75Y	106.3	0.01	19.73	17.31	6	659	68	99	0.03	0.0	3.187	0.062	0	0	0	291	L
L PC-122365	PC-166906	ABC	3/0 ACSR	12.75Y	106.3	0.00	19.73	17.07	6	650	67	99	0.02	0.0	3.238	0.051	0	0	0	288	L
L PC-166905	PC-122365	ABC	3/0 ACSR	12.75Y	106.3	0.00	19.73	17.07	6	650	67	99	0.01	0.0	3.266	0.028	0	0	0	288	L
L PC-122932	PC-166905	ABC	3/0 ACSR	12.75Y	106.3	0.00	19.74	16.85	6	641	66	99	0.02	0.0	3.312	0.046	0	0	0	286	L
L PC-122997	PC-122932	ABC	3/0 ACSR	12.75Y	106.3	0.00	19.74	16.63	6	633	65	99	0.02	0.0	3.351	0.039	0	0	0	284	L
L PC-117647	PC-122997	ABC	3/0 ACSR	12.75Y	106.3	0.00	19.75	16.42	5	625	65	99	0.03	0.0	3.408	0.057	0	0	0	283	L
L PC-128033	PC-117647	ABC	3/0 ACSR	12.75Y	106.2	0.01	19.75	16.32	5	621	64	99	0.04	0.0	3.491	0.083	0	0	0	282	L
L PC-121544	PC-128033	ABC	3/0 ACSR	12.75Y	106.2	0.01	19.76	16.32	5	621	64	99	0.04	0.0	3.575	0.084	0	0	0	282	L
L PC-126045	PC-121544	ABC	3/0 ACSR	12.75Y	106.2	0.00	19.76	13.20	4	502	54	99	0.01	0.0	3.601	0.026	0	0	0	237	L
L PC-123787	PC-126045	ABC	3/0 ACSR	12.75Y	106.2	0.00	19.77	13.14	4	500	54	99	0.02	0.0	3.668	0.067	0	0	0	236	L
L PC-132754	PC-123787	ABC	3/0 ACSR	12.75Y	106.2	0.00	19.77	13.08	4	497	53	99	0.02	0.0	3.725	0.057	0	0	0	235	L
L PC-132753	PC-132754	ABC	3/0 ACSR	12.75Y	106.2	0.00	19.77	12.94	4	492	53	99	0.01	0.0	3.759	0.034	0	0	0	232	L
L PC-115177	PC-132753	ABC	3/0 ACSR	12.75Y	106.2	0.00	19.78	12.94	4	492	53	99	0.01	0.0	3.802	0.044	0	0	0	232	L

Balanced Voltage Drop Report
Source: NINEVAH

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\BASE WINTER SUB ALLOCATION.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L PC-121546	PC-115177	A	2 ACSR	12.75Y	106.2	0.00	19.78	0.40	0	5	0	100	0.00	0.0	3.845	0.042	0	0	0	1	L
L PC-117218	PC-115177	ABC	3/0 ACSR	12.75Y	106.2	0.00	19.78	12.76	4	485	52	99	0.01	0.0	3.851	0.048	0	0	0	229	L
L PC-123786	PC-117218	ABC	3/0 ACSR	12.75Y	106.2	0.00	19.78	12.68	4	482	52	99	0.01	0.0	3.874	0.024	0	0	0	227	L
L PC-172943	PC-123786	ABC	3/0 ACSR	12.75Y	106.2	0.00	19.78	12.49	4	475	51	99	0.02	0.0	3.939	0.064	0	0	0	226	L
L PC-173342	PC-172943	A	4 ACSR	12.75Y	106.2	0.00	19.79	14.33	10	182	16	100	0.00	0.0	3.944	0.006	0	0	0	150	L
L PC-121866	PC-173342	A	4 ACSR	12.74Y	106.2	0.02	19.81	14.33	10	182	16	100	0.03	0.0	4.009	0.065	0	0	0	150	L
L PC-122194	PC-121866	A	4 ACSR	12.74Y	106.2	0.01	19.82	14.33	10	182	16	100	0.02	0.0	4.054	0.045	0	0	0	150	L
L PC-122329	PC-122194	A	4 ACSR	12.74Y	106.2	0.01	19.83	14.12	10	179	16	100	0.01	0.0	4.079	0.025	0	0	0	149	L
L PC-125437	PC-122329	A	2 ACSR	12.74Y	106.2	0.00	19.83	2.45	1	31	3	100	0.00	0.0	4.117	0.038	0	0	0	20	L
L PC-116690	PC-125437	A	2 ACSR	12.74Y	106.2	0.00	19.83	2.35	1	30	3	100	0.00	0.0	4.138	0.021	0	0	0	18	L
L PC-116629	PC-116690	A	2 ACSR	12.74Y	106.2	0.00	19.83	1.13	1	14	1	100	0.00	0.0	4.167	0.028	0	0	0	12	L
L PC-117257	PC-122329	A	2 ACSR	12.74Y	106.2	0.00	19.83	11.67	6	148	13	100	0.00	0.0	4.089	0.009	0	0	0	129	L
L PC-125440	PC-117257	A	4 ACSR	12.74Y	106.2	0.00	19.83	1.11	1	14	1	100	0.00	0.0	4.131	0.043	0	0	0	12	L
L PC-172941	PC-125440	A	4 ACSR	12.74Y	106.2	0.00	19.83	0.90	1	11	1	100	0.00	0.0	4.165	0.034	0	0	0	10	L
L PC-123139	PC-172941	A	4 ACSR	12.74Y	106.2	0.00	19.83	0.35	0	4	0	100	0.00	0.0	4.208	0.043	0	0	0	4	L
L PC-122111	PC-117257	A	2 ACSR	12.74Y	106.2	0.00	19.83	10.37	6	132	11	100	0.01	0.0	4.121	0.033	0	0	0	112	L
L PC-115024	PC-122111	A	2 ACSR	12.74Y	106.2	0.00	19.84	9.97	6	127	11	100	0.00	0.0	4.127	0.005	0	0	0	106	L
L PC-117256	PC-115024	A	4 ACSR	12.74Y	106.2	0.00	19.84	0.71	1	9	1	99	0.00	0.0	4.152	0.025	0	0	0	5	L
L PC-116634	PC-117256	A	4 ACSR	12.74Y	106.2	0.00	19.84	0.41	0	5	0	100	0.00	0.0	4.186	0.034	0	0	0	2	L
L PC-116110	PC-116634	A	4 ACSR	12.74Y	106.2	0.00	19.84	0.41	0	5	0	100	0.00	0.0	4.224	0.038	0	0	0	2	L
L PC-117255	PC-115024	A	2 ACSR	12.74Y	106.2	0.00	19.84	9.25	5	117	10	100	0.00	0.0	4.159	0.032	0	0	0	101	L
L PC-125672	PC-117255	A	2 ACSR	12.74Y	106.2	0.00	19.84	8.56	5	109	9	100	0.00	0.0	4.193	0.034	0	0	0	93	L
L PC-132709	PC-125672	A	2 ACSR	12.74Y	106.2	0.01	19.85	8.00	4	102	9	100	0.00	0.0	4.236	0.043	0	0	0	88	L
L PC-132379	PC-132709	A	2 ACSR	12.74Y	106.1	0.00	19.85	6.79	4	86	7	100	0.00	0.0	4.273	0.037	0	0	0	75	L
L PC-119392	PC-132379	A	2 ACSR	12.74Y	106.1	0.00	19.85	1.48	1	19	2	99	0.00	0.0	4.293	0.020	0	0	0	11	L
L PC-117191	PC-132379	A	2 ACSR	12.74Y	106.1	0.00	19.86	4.98	3	63	5	100	0.00	0.0	4.309	0.036	0	0	0	62	L
L PC-125940	PC-117191	A	2 ACSR	12.74Y	106.1	0.00	19.86	3.78	2	48	4	100	0.00	0.0	4.348	0.039	0	0	0	49	L
L PC-125941	PC-125940	A	2 ACSR	12.74Y	106.1	0.00	19.86	2.98	2	38	3	100	0.00	0.0	4.362	0.014	0	0	0	45	L
L PC-122366	PC-125941	A	2 ACSR	12.74Y	106.1	0.00	19.86	2.90	2	37	3	100	0.00	0.0	4.408	0.046	0	0	0	42	L
L PC-120461	PC-122366	A	2 ACSR	12.74Y	106.1	0.00	19.86	2.00	1	25	2	100	0.00	0.0	4.456	0.048	0	0	0	36	L
L PC-122795	PC-120461	A	2 ACSR	12.74Y	106.1	0.00	19.86	1.09	1	14	1	100	0.00	0.0	4.494	0.039	0	0	0	12	L
L PC-122903	PC-122795	A	2 ACSR	12.74Y	106.1	0.00	19.86	0.32	0	4	0	100	0.00	0.0	4.523	0.029	0	0	0	4	L
L PC-131089	PC-172943	ABC	3/0 ACSR	12.75Y	106.2	0.00	19.79	7.67	3	291	35	99	0.01	0.0	4.002	0.064	0	0	0	75	L
L PC-177022	PC-131089	ABC	3/0 ACSR	12.75Y	106.2	0.00	19.79	7.56	3	287	35	99	0.00	0.0	4.025	0.023	0	0	0	74	L
L PC-174167	PC-177022	A	4 ACSR	12.75Y	106.2	0.00	19.79	20.43	15	258	33	99	0.00	0.0	4.030	0.005	0	0	0	62	L
L PC-174168	PC-174167	A	4 ACSR	12.74Y	106.2	0.00	19.79	20.43	15	258	33	99	0.00	0.0	4.034	0.005	0	0	0	62	L
L PC-172890	A0	A	4 ACSR	6.12Y	101.9	0.13	24.06	40.85	29	249	23	100	0.31	0.1	4.110	0.075	0	0	0	62	L
L PC-172889	PC-172890	A	4 ACSR	6.11Y	101.8	0.14	24.20	38.59	28	235	22	100	0.30	0.1	4.192	0.082	0	0	0	57	L
L PC-121938	PC-172889	A	4 ACSR	6.10Y	101.6	0.19	24.39	38.59	28	235	22	100	0.43	0.2	4.307	0.115	0	0	0	57	L
L PC-172834	PC-121938	A	4 ACSR	6.08Y	101.3	0.32	24.72	38.59	28	234	22	100	0.71	0.3	4.500	0.194	0	0	0	57	L
L PC-124235	PC-172834	A	4 ACSR	6.07Y	101.1	0.17	24.89	38.59	28	234	21	100	0.38	0.2	4.602	0.102	0	0	0	57	L
L PC-132762	PC-124235	A	4 ACSR	6.06Y	101.0	0.08	24.97	38.19	27	231	21	100	0.17	0.1	4.651	0.048	0	0	0	56	L
L PC-132764	PC-132762	A	4 ACSR	6.06Y	101.0	0.01	24.98	38.19	27	231	21	100	0.02	0.0	4.656	0.006	0	0	0	56	L
L D3218	PC-132764	A	REC_50_E	6.06Y	101.0	0.00	24.98	38.19	0	231	21	100	0.00	0.0	4.656	0.006	0	0	0	56	L
L PC-122477	D3218	A	4 ACSR	6.06Y	101.0	0.07	25.05	38.19	27	231	21	100	0.16	0.1	4.701	0.044	0	0	0	56	L
L PC-132765	PC-122477	A	4 ACSR	6.05Y	100.9	0.06	25.11	35.66	25	215	19	100	0.12	0.1	4.740	0.039	0	0	0	49	L
L PC-132768	PC-132765	A	4 ACSR	6.05Y	100.8	0.04	25.15	30.90	22	186	17	100	0.08	0.0	4.772	0.032	0	0	0	41	L
L PC-132825	PC-132768	A	4 ACSR	6.05Y	100.8	0.08	25.23	30.90	22	186	17	100	0.14	0.1	4.830	0.057	0	0	0	41	L
L PC-132827	PC-132825	A	4 ACSR	6.05Y	100.8	0.00	25.23	0.93	1	6	0	100	0.00	0.0	4.870	0.040	0	0	0	3	L
L PC-173339	PC-132827	A	4 ACSR	6.05Y	100.8	0.00	25.23	0.00	0	0	0	100	0.00	0.0	4.886	0.016	0	0	0	1	L
L PC-121511	PC-173339	A	4 ACSR	6.05Y	100.8	0.00	25.23	0.00	0	0	0	100	0.00	0.0	4.940	0.054	0	0	0	1	L
L PC-132826	PC-132825	A	4 ACSR	6.05Y	100.8	0.00	25.23	1.13	1	7	1	99	0.00	0.0	4.851	0.022	0	0	0	1	L
L PC-123233	PC-132825	A	4 ACSR	6.04Y	100.7	0.04	25.27	28.85	21	174	15	100	0.07	0.0	4.863	0.034	0	0	0	37	L
L PC-127533	PC-123233	A	4 ACSR	6.04Y	100.7	0.06	25.33	28.85	21	174	15	100	0.10	0.1	4.911	0.048	0	0	0	37	L
L PC-127535	PC-127533	A	4 ACSR	6.04Y	100.6	0.04	25.37	26.58	19	160	14	100	0.06	0.0	4.945	0.034	0	0	0	35	L
L PC-177013	PC-127535	A	4 ACSR	6.04Y	100.6	0.00	25.37	3.23	2	19	2	99	0.00	0.0	4.968	0.023	0	0	0	7	L
L PC-177014	PC-177013	A	2 ACSR	6.04Y	100.6	0.00	25.38	1.98	1	12	1	100	0.00	0.0	5.052	0.084	0	0	0	5	L
L PC-124244	PC-177014	A	2 ACSR	6.04Y	100.6	0.00	25.38	1.98	1	12	1	100	0.00	0.0	5.091	0.039	0	0	0	5	L
L PC-124243	PC-124244	A	2 ACSR	6.04Y	100.6	0.00	25.38	1.98	1	12	1	100	0.00	0.0	5.160	0.068	0	0	0	5	L
L PC-124374	PC-177013	A	4 ACSR	6.04Y	100.6	0.00	25.38	1.25	1	8	1	99	0.00	0.0	5.018	0.050	0	0	0	2	L
L PC-172916	PC-124374	A	4 ACSR	6.04Y	100.6	0.00	25.38	0.58	0	3	0	100	0.00	0.0	5.044	0.025	0	0	0	1	L
L PC-122936	PC-127535	A	4 ACSR	6.03Y	100.6	0.07	25.44	23.36	17	140	12	100	0.09	0.1	5.011	0.065	0	0	0	28	L
L PC-120967	PC-122936	A	4 ACSR	6.03Y	100.5	0.06	25.49	22.91	16	138	12	100	0.07	0.1	5.067	0.057	0	0	0	26	L
L PC-124906	PC-120967	A	4 ACSR	6.03Y	100.4	0.08	25.57	21.62	15	130	11	100	0.10	0.1	5.153	0.086	0	0	0	24	L
L PC-121509	PC-124906	A	4 ACSR	6.02Y	100.4	0.05	25.63	21.22	15	127	11	100	0.07	0.1	5.212	0.059	0	0	0	23	L
L PC-121506	PC-121509	A	4 ACSR	6.02Y	100.3	0.08	25.71	18.14	13	109	10	100	0.08	0.1	5.313	0.101	0	0	0	19	L
L PC-169571	PC-121506	A	4 ACSR	6.02Y	100.3	0.01	25.72	2.16	2	13	1	100	0.00	0.0	5.405	0.092	0	0	0	3	L
L PC-169572	PC-169571	A	4 ACSR	6.02Y	100.3	0.01	25.72	1.26	1	8	1	99	0.00	0.0	5.518	0.113	0	0	0	1	L
L PC-132716	PC-169572	A	4 ACSR	6.02Y	100.3	0.00	25.72	0.00	0	0	0	100	0.00	0.0	5.617	0.099	0	0	0	0	L
L PC-126551	PC-132716	A	4 ACSR	6.02Y	100.3	0.00	25.72	0.00	0	0	0	100	0.00	0.0	5.692	0.074	0	0	0	0	L
L PC-116053	PC-126551	A	4 ACSR	6.02Y	100.3	0.00	25.72	0.00	0	0	0	100	0.00	0.0	5.766	0.075	0	0	0	0	L
L PC-125012	PC-116053	A	4 ACSR	6.02Y	100.3	0.00	25.72	0.00	0	0	0	100	0.00	0.0	5.772	0.006	0	0	0	0	L
L D3250	PC-125012	A	REC_99_UNK	6.02Y	100.3	0.00	25.72	0.00	0	0	0	100	0.00	0.0	5.772	0.006	0	0	0	0	L
L PC-121427	D3250	A	4 ACSR	6.02Y	100.3	0.00	25.72	0.00	0	0	0	100	0.00	0.0	5.843	0.071	0	0	0	0	L
L PC-123038	PC-169572	A	4 ACSR	6.02Y	100.3	0.00	25.72	1.26	1	8	1	99	0.00	0.0	5.568	0.050	0	0	0	1	L
L PC-132384	PC-123038	A	4 ACSR	6.02Y	100.3	0.00	25.73	1.26	1	8	1	99	0.00	0.0	5.657	0.089	0	0	0	1	L
L PC-123251	PC-169571	A	4 ACSR	6.02Y	100.3	0.00	25.72	0.90	1	5	0	100	0.00	0.0	5.425	0.020	0	0	0	1	L
L PC-121253	PC-121506	A	6 ACWC	6.01Y	100.2	0.09	25.79	15.67	11	94	8	100	0.08	0.1	5.443	0.130	0	0	0	15	L
L PC-122422	PC-121253	A	6 ACWC	6.01Y	100.2	0.05	25.85	15.67	11	94	8	100	0.05	0.1	5.522	0.079	0	0	0	15	L
L PC-172949	PC-122422	A	6 ACWC	6.01Y	100.1	0.01	25.86	3.32	2	20	2	100	0.00	0.0	5.615	0.093	0	0	0	5	L

Balanced Voltage Drop Report
Source: NINEVAH

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\BASE WINTER SUB ALLOCATION.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L PC-124250	PC-172949	A	6 ACWC	6.01Y	100.1	0.02	25.88	3.32	2	20	2	100	0.00	0.0	5.722	0.107	0	0	0	5	L
L PC-173379	PC-124250	A	6 ACWC	6.01Y	100.1	0.01	25.89	3.32	2	20	2	100	0.00	0.0	5.813	0.091	0	0	0	5	L
L PC-120861	PC-173379	A	6 ACWC	6.01Y	100.1	0.01	25.90	3.32	2	20	2	100	0.00	0.0	5.892	0.079	0	0	0	5	L
L PC-172821	PC-120861	A	6 ACWC	6.01Y	100.1	0.01	25.91	3.32	2	20	2	100	0.00	0.0	5.976	0.084	0	0	0	5	L
L PC-121215	PC-172821	A	6 ACWC	6.00Y	100.1	0.01	25.92	2.23	2	13	1	100	0.00	0.0	6.076	0.100	0	0	0	4	L
L PC-117117	PC-121215	A	6 ACWC	6.00Y	100.1	0.01	25.93	2.23	2	13	1	100	0.00	0.0	6.172	0.096	0	0	0	4	L
L PC-173378	PC-117117	A	6 ACWC	6.00Y	100.1	0.01	25.94	2.23	2	13	1	100	0.00	0.0	6.247	0.076	0	0	0	4	L
L PC-124248	PC-173378	A	6 ACWC	6.00Y	100.1	0.01	25.94	2.23	2	13	1	100	0.00	0.0	6.327	0.079	0	0	0	4	L
L PC-172948	PC-124248	A	6 ACWC	6.00Y	100.0	0.01	25.95	2.23	2	13	1	100	0.00	0.0	6.398	0.071	0	0	0	4	L
L PC-124245	PC-172948	A	4 ACSR	6.00Y	100.0	0.00	25.95	1.50	1	9	1	99	0.00	0.0	6.440	0.042	0	0	0	2	L
L PC-123227	PC-172948	A	6 ACWC	6.00Y	100.0	0.00	25.95	0.73	1	4	0	100	0.00	0.0	6.485	0.086	0	0	0	2	L
L PC-132711	PC-123227	A	2 ACSR	6.00Y	100.0	0.00	25.95	0.23	0	1	0	100	0.00	0.0	6.508	0.024	0	0	0	1	L
L PC-115423	PC-172821	A	4 ACSR	6.01Y	100.1	0.00	25.92	1.09	1	7	1	99	0.00	0.0	6.058	0.081	0	0	0	1	L
L PC-130095	PC-122422	A	2 ACSR	6.01Y	100.1	0.02	25.86	4.41	2	26	2	100	0.00	0.0	5.658	0.135	0	0	0	6	L
L PC-121106	PC-130095	A	2 ACSR	6.01Y	100.1	0.01	25.87	3.28	2	20	2	100	0.00	0.0	5.760	0.103	0	0	0	5	L
L PC-123060	PC-121106	A	2 ACSR	6.01Y	100.1	0.01	25.89	3.28	2	20	2	100	0.00	0.0	5.895	0.134	0	0	0	5	L
L PC-124238	PC-123060	A	2 ACSR	6.01Y	100.1	0.01	25.89	3.28	2	20	2	100	0.00	0.0	5.974	0.079	0	0	0	5	L
L PC-123048	PC-124238	A	4 ACSR	6.01Y	100.1	0.00	25.90	1.98	1	12	1	100	0.00	0.0	6.024	0.050	0	0	0	1	L
L PC-121744	PC-124238	A	2 ACSR	6.01Y	100.1	0.00	25.90	0.46	0	3	0	100	0.00	0.0	6.045	0.071	0	0	0	2	L
L PC-115214	PC-121744	A	2 ACSR	6.01Y	100.1	0.00	25.90	0.45	0	3	0	100	0.00	0.0	6.110	0.065	0	0	0	1	L
L PC-121510	PC-122422	A	4 ACSR	6.01Y	100.1	0.02	25.87	7.94	6	48	4	100	0.01	0.0	5.577	0.055	0	0	0	4	L
L PC-173380	PC-121510	A	4 ACSR	6.01Y	100.1	0.02	25.89	7.02	5	42	4	100	0.01	0.0	5.656	0.079	0	0	0	3	L
L PC-121011	PC-173380	A	4 ACSR	6.01Y	100.1	0.02	25.91	7.02	5	42	4	100	0.01	0.0	5.714	0.058	0	0	0	3	L
L PC-172950	PC-121011	A	2 ACSR	6.00Y	100.1	0.01	25.92	4.78	3	29	2	100	0.00	0.0	5.802	0.088	0	0	0	1	L
L PC-162764	PC-172950	A	2 ACSR	6.00Y	100.1	0.01	25.93	4.78	3	29	2	100	0.00	0.0	5.875	0.073	0	0	0	1	L
L PC-122667	PC-162764	A	2 ACSR	6.00Y	100.1	0.01	25.94	4.78	3	29	2	100	0.00	0.0	5.938	0.063	0	0	0	1	L
L PC-124284	PC-122667	A	2 ACSR	6.00Y	100.1	0.01	25.95	4.78	3	29	2	100	0.00	0.0	5.991	0.053	0	0	0	1	L
L PC-123040	PC-124284	A	1/0 URD PR	6.00Y	100.1	0.00	25.95	4.78	3	29	2	100	0.00	0.0	5.997	0.006	0	0	0	1	L
L PC-158131	PC-123040	A	1/0 URD PR	6.00Y	100.0	0.01	25.96	4.78	3	29	2	100	0.00	0.0	6.070	0.074	0	0	0	1	L
L PC-121102	PC-121510	A	2 ACSR	6.01Y	100.1	0.00	25.87	0.92	1	6	0	100	0.00	0.0	5.625	0.048	0	0	0	1	L
L PC-121252	PC-121506	A	4 ACSR	6.02Y	100.3	0.00	25.71	0.31	0	2	0	100	0.00	0.0	5.397	0.084	0	0	0	1	L
L PC-121504	PC-121252	A	4 ACSR	6.02Y	100.3	0.00	25.71	0.31	0	2	0	100	0.00	0.0	5.429	0.032	0	0	0	1	L
L PC-121101	PC-121509	A	4 ACSR	6.02Y	100.4	0.00	25.63	3.08	2	18	2	99	0.00	0.0	5.248	0.035	0	0	0	4	L
L PC-123301	PC-121101	A	4 ACSR	6.02Y	100.4	0.01	25.64	2.69	2	16	1	100	0.00	0.0	5.302	0.054	0	0	0	3	L
L PC-127534	PC-127533	A	4 ACSR	6.04Y	100.7	0.01	25.34	2.27	2	14	1	100	0.00	0.0	5.001	0.090	0	0	0	2	L
L PC-121104	PC-127534	A	4 ACSR	6.04Y	100.7	0.00	25.34	0.67	0	4	0	100	0.00	0.0	5.035	0.034	0	0	0	1	L
L PC-132766	PC-132765	A	4 ACSR	6.05Y	100.9	0.00	25.11	2.71	2	16	1	100	0.00	0.0	4.773	0.033	0	0	0	3	L
L PC-121686	PC-132766	A	4 ACSR	6.05Y	100.9	0.00	25.12	0.96	1	6	1	99	0.00	0.0	4.836	0.063	0	0	0	1	L
L PC-123057	PC-132765	A	6 ACWC	6.05Y	100.9	0.00	25.11	2.05	1	12	1	100	0.00	0.0	4.775	0.034	0	0	0	5	L
L PC-123231	PC-123057	A	4 ACSR	6.05Y	100.9	0.00	25.11	1.28	1	8	1	99	0.00	0.0	4.785	0.011	0	0	0	2	L
L PC-116007	PC-123231	A	4 ACSR	6.05Y	100.9	0.01	25.12	1.28	1	8	1	99	0.00	0.0	4.882	0.096	0	0	0	2	L
L PC-117164	PC-116007	A	4 ACSR	6.05Y	100.9	0.00	25.12	1.28	1	8	1	99	0.00	0.0	4.914	0.033	0	0	0	2	L
L PC-121512	PC-122477	A	4 ACSR	6.06Y	100.9	0.01	25.06	2.54	2	15	1	100	0.00	0.0	4.771	0.070	0	0	0	7	L
L PC-121260	PC-121512	A	4 ACSR	6.06Y	100.9	0.00	25.06	1.45	1	9	1	99	0.00	0.0	4.809	0.038	0	0	0	5	L
L PC-124140	PC-121260	A	4 ACSR	6.06Y	100.9	0.00	25.06	0.00	0	0	0	100	0.00	0.0	4.852	0.043	0	0	0	0	L
L S183-A	PC-124140	A	Open	6.06Y	100.9	0.00	25.06	0.00	0	0	0	100	0.00	0.0	4.852	0.043	0	0	0	0	L
L PC-121259	PC-121260	A	6 ACWC	6.06Y	100.9	0.00	25.06	1.45	1	9	1	99	0.00	0.0	4.853	0.044	0	0	0	5	L
L PC-124240	PC-121259	A	4 ACSR	6.06Y	100.9	0.00	25.06	0.90	1	5	0	100	0.00	0.0	4.876	0.024	0	0	0	3	L
L PC-121684	PC-124240	A	4 ACSR	6.06Y	100.9	0.00	25.06	0.90	1	5	0	100	0.00	0.0	4.928	0.051	0	0	0	3	L
L PC-172888	PC-172890	A	4 ACSR	6.12Y	101.9	0.00	24.06	0.00	0	0	0	100	0.00	0.0	4.185	0.075	0	0	0	0	L
L PC-172887	PC-172890	A	6 ACWC	6.12Y	101.9	0.00	24.07	2.26	2	14	1	100	0.00	0.0	4.156	0.046	0	0	0	2	L
L PC-123213	PC-172887	A	6 ACWC	6.12Y	101.9	0.00	24.07	2.26	2	14	1	100	0.00	0.0	4.197	0.041	0	0	0	2	L
L PC-123212	PC-123213	A	6 ACWC	6.12Y	101.9	0.00	24.07	0.88	1	5	0	100	0.00	0.0	4.226	0.029	0	0	0	1	L
L PC-123192	PC-177022	A	4 ACSR	12.75Y	106.2	0.00	19.79	2.27	2	29	2	100	0.00	0.0	4.055	0.030	0	0	0	12	L
L PC-122957	PC-123192	A	4 ACSR	12.74Y	106.2	0.00	19.79	1.68	1	21	2	100	0.00	0.0	4.106	0.051	0	0	0	11	L
L PC-131090	PC-122957	A	4 ACSR	12.74Y	106.2	0.00	19.79	1.07	1	14	1	100	0.00	0.0	4.133	0.027	0	0	0	7	L
L PC-121381	PC-131090	A	4 ACSR	12.74Y	106.2	0.00	19.79	0.78	1	10	1	100	0.00	0.0	4.163	0.030	0	0	0	5	L
L PC-115176	PC-121381	A	4 ACSR	12.74Y	106.2	0.00	19.79	0.71	1	9	1	99	0.00	0.0	4.190	0.027	0	0	0	4	L
L PC-114629	PC-115176	A	4 ACSR	12.74Y	106.2	0.00	19.79	0.11	0	1	0	100	0.00	0.0	4.219	0.028	0	0	0	2	L
L PC-122944	PC-122957	A	4 ACSR	12.74Y	106.2	0.00	19.79	0.33	0	4	0	100	0.00	0.0	4.120	0.014	0	0	0	1	L
L PC-177021	PC-131089	C	2 ACSR	12.75Y	106.2	0.00	19.79	0.33	0	4	0	100	0.00	0.0	4.008	0.006	0	0	0	1	L
L PC-121547	PC-177021	C	2 ACSR	12.75Y	106.2	0.00	19.79	0.33	0	4	0	100	0.00	0.0	4.055	0.047	0	0	0	1	L
L PC-121867	PC-132754	B	2 ACSR	12.75Y	106.2	0.00	19.77	0.13	0	2	0	100	0.00	0.0	3.755	0.030	0	0	0	1	L
L PC-122943	PC-121544	B	4 ACSR	12.75Y	106.2	0.00	19.76	0.47	0	6	1	99	0.00	0.0	3.637	0.062	0	0	0	3	L
L PC-122960	PC-122943	B	4 ACSR	12.75Y	106.2	0.00	19.76	0.47	0	6	1	99	0.00	0.0	3.681	0.045	0	0	0	3	L
L PC-126516	PC-122960	B	2 ACSR	12.75Y	106.2	0.00	19.76	0.44	0	6	0	100	0.00	0.0	3.786	0.105	0	0	0	2	L
L PC-122081	PC-126516	B	2 ACSR	12.75Y	106.2	0.00	19.76	0.44	0	6	0	100	0.00	0.0	3.885	0.099	0	0	0	2	L
L PC-126529	PC-122081	B	2 ACSR	12.75Y	106.2	0.00	19.76	0.44	0	6	0	100	0.00	0.0	3.992	0.107	0	0	0	2	L
L PC-122942	PC-121544	B	4 ACSR	12.75Y	106.2	0.00	19.76	0.17	0	2	0	100	0.00	0.0	3.630	0.055	0	0	0	2	L
L PC-121865	PC-121544	C	4 ACSR	12.75Y	106.2	0.01	19.77	8.55	6	109	9	100	0.01	0.0	3.651	0.076	0	0	0	39	L
L PC-128039	PC-121865	C	4 ACSR	12.75Y	106.2	0.01	19.78	8.55	6	109	9	100	0.01	0.0	3.707	0.056	0	0	0	39	L
L PC-116112	PC-128039	C	4 ACSR	12.74Y	106.2	0.01	19.79	8.55	6	109	9	100	0.01	0.0	3.763	0.056	0	0	0	39	L
L PC-116108	PC-116112	C	4 ACSR	12.74Y	106.2	0.01	19.80	8.55	6	109	9	100	0.01	0.0	3.810	0.047	0	0	0	39	L
L PC-169893	PC-116108	C	4 ACSR	12.74Y	106.2	0.00	19.80	8.55	6	109	9	100	0.00	0.0	3.819	0.009	0	0	0	39	L
L D101159	PC-169893	C	REC_25_E	12.74Y	106.2	0.00	19.80	8.55	0	109	9	100	0.00	0.0	3.819	0.009	0	0	0	39	L
L PC-176615	D101159	C	4 ACSR	12.74Y	106.2	0.01	19.81	8.55	6	109	9	100	0.01	0.0	3.852	0.033	0	0	0	39	L
L PC-123075	PC-176615	C	4 ACSR	12.74Y	106.2	0.01	19.82	8.06	6	102	9	100	0.01	0.0	3.900	0.048	0	0	0	37	L
L PC-123007	PC-123075	C	2 ACSR	12.74Y	106.2	0.00	19.82	3.84	2	49	4	100	0.00	0.0	3.939	0.039	0	0	0	19	L
L PC-123140	PC-123007	C	4 ACSR	12.74Y	106.2	0.00	19.82	2.33	2	30	3	100	0.00	0.0	3.982	0.042	0	0	0	10	L
L PC-132704	PC-123140	C	4 ACSR	12.74Y	106.2	0.00	19.83	2.09	1	26	2	100	0.00	0.0	4.043	0.062	0	0	0	8	L

Balanced Voltage Drop Report
Source: NINEVAH

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\BASE WINTER SUB ALLOCATION.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L PC-113873	PC-132704	C	2 ACSR	12.74Y	106.2	0.00	19.83	0.64	0	8	1	99	0.00	0.0	4.086	0.043	0	0	0	4	L
L PC-122328	PC-113873	C	2 ACSR	12.74Y	106.2	0.00	19.83	0.49	0	6	1	99	0.00	0.0	4.150	0.064	0	0	0	3	L
L PC-122800	PC-122328	C	2 ACSR	12.74Y	106.2	0.00	19.83	0.36	0	5	0	100	0.00	0.0	4.172	0.022	0	0	0	2	L
L PC-122666	PC-132704	C	2 ACSR	12.74Y	106.2	0.00	19.83	0.30	0	4	0	100	0.00	0.0	4.072	0.028	0	0	0	1	L
L PC-122110	PC-123007	C	2 ACSR	12.74Y	106.2	0.00	19.82	1.45	1	18	2	99	0.00	0.0	3.980	0.041	0	0	0	8	L
L PC-122330	PC-122110	C	2 ACSR	12.74Y	106.2	0.00	19.82	0.40	0	5	0	100	0.00	0.0	4.052	0.072	0	0	0	4	L
L PC-122090	PC-123075	C	2 ACSR	12.74Y	106.2	0.00	19.82	4.14	2	53	5	100	0.00	0.0	3.965	0.065	0	0	0	17	L
L PC-127530	PC-122090	C	2 ACSR	12.74Y	106.2	0.00	19.82	0.61	0	8	1	99	0.00	0.0	3.992	0.027	0	0	0	2	L
L PC-119437	PC-122090	C	2 ACSR	12.74Y	106.2	0.00	19.82	0.31	0	4	0	100	0.00	0.0	3.984	0.019	0	0	0	1	L
L PC-119253	PC-122090	C	2 ACSR	12.74Y	106.2	0.00	19.82	3.23	2	41	4	100	0.00	0.0	3.998	0.033	0	0	0	14	L
L PC-122364	PC-119253	C	4 ACSR	12.74Y	106.2	0.00	19.83	0.64	0	8	1	99	0.00	0.0	4.046	0.048	0	0	0	3	L
L PC-121943	PC-122364	C	4 ACSR	12.74Y	106.2	0.00	19.83	0.05	0	1	0	100	0.00	0.0	4.113	0.067	0	0	0	1	L
L PC-122363	PC-119253	C	2 ACSR	12.74Y	106.2	0.00	19.83	2.59	1	33	3	100	0.00	0.0	4.030	0.032	0	0	0	11	L
L PC-120964	PC-122363	C	2 ACSR	12.74Y	106.2	0.00	19.83	2.27	1	29	2	100	0.00	0.0	4.042	0.013	0	0	0	9	L
L PC-121060	PC-120964	C	2 ACSR	12.74Y	106.2	0.00	19.83	2.27	1	29	2	100	0.00	0.0	4.079	0.036	0	0	0	9	L
L PC-120856	PC-121060	C	2 ACSR	12.74Y	106.2	0.00	19.83	1.38	1	18	2	99	0.00	0.0	4.135	0.056	0	0	0	5	L
L PC-128027	PC-120856	C	4 ACSR	12.74Y	106.2	0.00	19.83	0.44	0	6	0	100	0.00	0.0	4.157	0.021	0	0	0	2	L
L PC-167291	PC-128027	C	1/0 URD PR	12.74Y	106.2	0.00	19.83	0.26	0	3	0	100	0.00	0.0	4.162	0.006	0	0	0	1	L
L PC-158804	PC-167291	C	1/0 URD PR	12.74Y	106.2	0.00	19.83	0.26	0	3	0	100	0.00	0.0	4.199	0.037	0	0	0	1	L
L PC-121383	PC-121544	B	4 ACSR	12.75Y	106.2	0.00	19.76	0.17	0	2	0	100	0.00	0.0	3.618	0.043	0	0	0	1	L
L PC-114931	PC-122247	A	2 ACSR	12.79Y	106.6	0.00	19.40	0.48	0	6	1	99	0.00	0.0	1.083	0.006	0	0	0	3	L
L PC-125406	PC-114931	A	2 ACSR	12.79Y	106.6	0.00	19.40	0.48	0	6	1	99	0.00	0.0	1.125	0.043	0	0	0	3	L
L PC-121944	PC-172831	A	2 ACSR	12.79Y	106.6	0.00	19.38	0.53	0	7	1	99	0.00	0.0	1.000	0.006	0	0	0	3	L
L PC-132377	PC-121944	A	2 ACSR	12.79Y	106.6	0.00	19.38	0.53	0	7	1	99	0.00	0.0	1.035	0.035	0	0	0	3	L
L PC-122665	PC-122664	C	2 ACSR	12.80Y	106.7	0.00	19.35	0.29	0	4	0	100	0.00	0.0	0.861	0.006	0	0	0	1	L
L PC-121965	PC-122665	C	2 ACSR	12.80Y	106.7	0.00	19.35	0.29	0	4	0	100	0.00	0.0	0.930	0.069	0	0	0	1	L
L PC-122802	PC-121965	C	2 ACSR	12.80Y	106.7	0.00	19.35	0.29	0	4	0	100	0.00	0.0	1.000	0.070	0	0	0	1	L
L PC-122662	PC-122995	A	2 ACSR	12.80Y	106.7	0.00	19.33	0.43	0	6	0	100	0.00	0.0	0.847	0.054	0	0	0	1	L
L PC-122069	PC-122662	A	2 ACSR	12.80Y	106.7	0.00	19.33	0.43	0	6	0	100	0.00	0.0	0.894	0.047	0	0	0	1	L
L PC-125938	PC-122069	A	2 ACSR	12.80Y	106.7	0.00	19.33	0.43	0	6	0	100	0.00	0.0	0.931	0.037	0	0	0	1	L
L PC-122935	PC-121213	C	4 ACSR	12.80Y	106.7	0.00	19.32	1.43	1	18	2	99	0.00	0.0	0.741	0.006	0	0	0	4	L
L PC-124133	PC-122935	C	4 ACSR	12.80Y	106.7	0.00	19.32	1.43	1	18	2	99	0.00	0.0	0.796	0.055	0	0	0	4	L
L PC-172225	PC-124133	C	4 ACSR	12.80Y	106.7	0.00	19.32	1.30	1	17	1	100	0.00	0.0	0.855	0.059	0	0	0	3	L
L PC-122336	PC-172225	C	4 ACSR	12.80Y	106.7	0.00	19.32	1.08	1	14	1	100	0.00	0.0	0.961	0.106	0	0	0	2	L
L PC-172226	PC-122336	C	2 ACSR	12.80Y	106.7	0.00	19.32	0.52	0	7	1	99	0.00	0.0	1.014	0.054	0	0	0	1	L
L PC-121382	PC-172226	C	2 ACSR	12.80Y	106.7	0.00	19.32	0.52	0	7	1	99	0.00	0.0	1.042	0.028	0	0	0	1	L
L PC-158429	PC-121382	C	1/0 URD PR	12.80Y	106.7	0.00	19.32	0.52	0	7	1	99	0.00	0.0	1.048	0.006	0	0	0	1	L
L PC-155149	PC-158429	C	1/0 URD PR	12.80Y	106.7	0.00	19.32	0.52	0	7	1	99	0.00	0.0	1.076	0.028	0	0	0	1	L
L PC-117252	PC-124133	C	2 ACSR	12.80Y	106.7	0.00	19.32	0.00	0	0	0	100	0.00	0.0	0.873	0.077	0	0	0	0	L
L PC-119438	PC-122720	B	4 ACSR	12.81Y	106.7	0.00	19.29	1.86	1	24	2	100	0.00	0.0	0.616	0.006	0	0	0	4	L
L PC-125826	PC-119438	B	4 ACSR	12.81Y	106.7	0.00	19.29	1.86	1	24	2	100	0.00	0.0	0.663	0.047	0	0	0	4	L
L PC-174819	PC-125826	B	4 ACSR	12.81Y	106.7	0.00	19.29	1.06	1	14	1	100	0.00	0.0	0.773	0.111	0	0	0	3	L
L PC-174818	PC-174819	B	2 ACSR	12.81Y	106.7	0.00	19.29	0.81	0	10	1	100	0.00	0.0	0.829	0.055	0	0	0	1	L
L PC-121174	PC-174819	B	4 ACSR	12.81Y	106.7	0.00	19.29	0.25	0	3	0	100	0.00	0.0	0.809	0.035	0	0	0	2	L
L PC-174681	PC-121174	B	4 ACSR	12.81Y	106.7	0.00	19.29	0.25	0	3	0	100	0.00	0.0	0.821	0.012	0	0	0	1	L
L PC-122189	PC-174681	B	2 ACSR	12.81Y	106.7	0.00	19.29	0.25	0	3	0	100	0.00	0.0	0.884	0.063	0	0	0	1	L
L PC-119723	PC-122189	B	2 ACSR	12.81Y	106.7	0.00	19.29	0.25	0	3	0	100	0.00	0.0	0.935	0.050	0	0	0	1	L
L PC-118859	PC-119723	B	2 ACSR	12.81Y	106.7	0.00	19.29	0.25	0	3	0	100	0.00	0.0	0.975	0.040	0	0	0	1	L
L PC-128056	PC-118859	B	2 ACSR	12.81Y	106.7	0.00	19.29	0.25	0	3	0	100	0.00	0.0	1.042	0.068	0	0	0	1	L
L PC-125899	PC-120942	C	4 ACSR	12.82Y	106.8	0.00	19.18	0.93	1	12	1	100	0.00	0.0	0.190	0.006	0	0	0	2	L
L PC-119738	PC-125899	C	4 ACSR	12.82Y	106.8	0.00	19.18	0.93	1	12	1	100	0.00	0.0	0.250	0.061	0	0	0	2	L
---------- Feeder No. 0 (22-114) Beginning with Device 22-114 ----------																					
C PC-166907	PC-161103	A	1/0 URD PR	7.46Y	124.4	0.01	1.63	85.96	51	639	55	100	0.06	0.0	5.507	0.005	0	0	0	9	C
---------- Feeder No. 0 (22-144) Beginning with Device 22-144 ----------																					
---------- Feeder No. 0 (22-104) Beginning with Device 22-104 ----------																					

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total
KW	6895	-234	0	0	0	0	649	0.00	7309
KVAR	597	-20	0	0	0	0	660		1236

Lowest Voltage = 100.04 on Element PC-158131
Max Accm VoltD = 25.96 on Element PC-158131
Max Elem VoltD = 19.12 on Element 1949

Balanced Voltage Drop Report
Source: SOUTH POINT

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\BASE WINTER SUB ALLOCATION.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Cons On	Cons Thru
SOUTH POINT		ABC	SOUTH POIN	7.56Y	126.0	0.00	0.00	76.49	0	1665	486	96	0.00	0.0	0.000	0.000	0	0	0	165

---------- Feeder No. 0 (D102458) Beginning with Device D102458 ----------

---------- Feeder No. 0 (17-124) Beginning with Device 17-124 ----------

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total	
KW	1608	51	0	0	0	0	6	0.00	1665	Lowest Voltage = 125.13 on Element PC-175312
KVAR	461	15	0	0	0	0	10		486	Max Accm VoltD = 0.87 on Element PC-175312
										Max Elem VoltD = 0.08 on Element PC-118120

Balanced Voltage Drop Report
Source: HOLLOWAY

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\BASE WINTER SUB ALLOCATION.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
HOLLOWAY		ABC	HOLLOWAY	7.56Y	126.0	0.00	0.00	511.88	0	11376	2318	98	0.00	0.0	0.000	0.000	0	0	0	1546

---------- Feeder No. 0 (2-114) Beginning with Device 2-114 ----------

---------- Feeder No. 0 (2-124) Beginning with Device 2-124 ----------

---------- Feeder No. 0 (2-134) Beginning with Device 2-134 ----------

---------- Feeder No. 0 (2-104) Beginning with Device 2-104 ----------

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total	
KW	10904	216	0	0	0	0	256	0.00	11376	Lowest Voltage = 119.30 on Element PC-111844
KVAR	2481	49	-653	0	0	0	441		2318	Max Accm VoltD = 6.70 on Element PC-111844
										Max Elem VoltD = 0.25 on Element PC-114203

Balanced Voltage Drop Report
Source: POWELL TAYLOR

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\BASE WINTER SUB ALLOCATION.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
POWELL TAYLOR		ABC	POWELL TAY	7.56Y	126.0	0.00	0.00	282.48	0	6259	1370	98	0.00	0.0	0.000	0.000	0	0	0	1094

---------- Feeder No. 0 (28-124) Beginning with Device 28-124 ----------

---------- Feeder No. 0 (28-144) Beginning with Device 28-144 ----------

---------- Feeder No. 0 (28-134) Beginning with Device 28-134 ----------

---------- Feeder No. 0 (28-114) Beginning with Device 28-114 ----------

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total	
KW	6012	149	0	0	0	0	97	0.00	6259	Lowest Voltage = 119.60 on Element PC-122961
KVAR	1221	30	0	0	0	0	118		1370	Max Accm VoltD = 6.40 on Element PC-122961
										Max Elem VoltD = 0.28 on Element PC-122178

Balanced Voltage Drop Report
Source: PPG

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\BASE WINTER SUB ALLOCATION.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PPG		ABC	PPG	7.56Y	126.0	0.00	0.00	232.88	0	5034	1598	95	0.00	0.0	0.000	0.000	0	0	0	1

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total
KW	4860	174	0	0	0	0	0	0.00	5034
KVAR	1542	55	0	0	0	0	0		1598

Lowest Voltage = 126.00 on Element PC-159016
Max Accm VoltD = 0.00 on Element PC-159016
Max Elem VoltD = 0.00 on Element PC-159016

Balanced Voltage Drop Report
Source: BRIDGEPORT

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\BASE WINTER SUB ALLOCATION.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
BRIDGEPORT		ABC	BRIDGEPORT	15.12Y	126.0	0.00	0.00	336.27	0	15253	0	100	0.00	0.0	0.000	0.000	0	0	0	3484

---------- Feeder No. 0 (21-144) Beginning with Device 21-144 ----------

---------- Feeder No. 0 (21-134) Beginning with Device 21-134 ----------

---------- Feeder No. 0 (21-114) Beginning with Device 21-114 ----------

---------- Feeder No. 0 (21-124) Beginning with Device 21-124 ----------

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total	
KW	14616	424	0	0	0	0	213	0.00	15253	Lowest Voltage = 123.32 on Element PC-136874
KVAR	10	0	-328	0	0	0	318		0	Max Accm VoltD = 2.68 on Element PC-136874
										Max Elem VoltD = 0.11 on Element PC-165345

Balanced Voltage Drop Report
Source: MERCER_CO

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\BASE WINTER SUB ALLOCATION.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
MERCER_CO		ABC	MERCER_CO	7.56Y	126.0	0.00	0.00	178.20	0	3552	1929	88	0.00	0.0	0.000	0.000	0	0	0	56

---------- Feeder No. 0 (25-105) Beginning with Device 25-105 ----------

---------- Feeder No. 0 (25-104) Beginning with Device 25-104 ----------

---------- Feeder No. 0 (25-134) Beginning with Device 25-134 ----------

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total	
KW	3428	120	0	0	0	0	4	0.00	3552	Lowest Voltage = 125.12 on Element PC-159030
KVAR	2177	76	-329	0	0	0	5		1929	Max Accm VoltD = 0.88 on Element PC-159030
										Max Elem VoltD = 0.10 on Element PC-167377

Balanced Voltage Drop Report
Source: VAN_ARSDELL

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\BASE WINTER SUB ALLOCATION.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
VAN_ARSDELL		ABC	VAN_ARSDEL	7.56Y	126.0	0.00	0.00	580.32	0	12909	2569	98	0.00	0.0	0.000	0.000	0	0	0	2319	
---------- Feeder No. 0 (24-134) Beginning with Device 24-134 ----------																					
L PC-104118	PC-105825	B	4 ACSR	7.02Y	117.0	0.03	9.01	8.37	6	58	9	99	0.01	0.0	9.330	0.085	0	0	0	12	L
L PC-110590	PC-104118	B	4 ACSR	7.02Y	117.0	0.02	9.03	5.34	4	37	6	99	0.01	0.0	9.402	0.072	0	0	0	10	L
L PC-103871	PC-110590	B	4 ACSR	7.02Y	117.0	0.00	9.03	0.59	0	4	1	97	0.00	0.0	9.477	0.075	0	0	0	1	L
L PC-100954	PC-110590	B	6 ACWC	7.02Y	117.0	0.01	9.04	4.31	3	30	5	99	0.00	0.0	9.454	0.052	0	0	0	8	L
L PC-105909	PC-100954	B	6 ACWC	7.02Y	116.9	0.03	9.07	3.68	3	26	4	99	0.01	0.0	9.612	0.158	0	0	0	7	L
L PC-105992	PC-105909	B	6 ACWC	7.02Y	116.9	0.01	9.07	3.13	2	22	3	99	0.00	0.0	9.674	0.062	0	0	0	6	L
L PC-109541	PC-105992	B	6 ACWC	7.02Y	116.9	0.01	9.08	3.13	2	22	3	99	0.00	0.0	9.730	0.056	0	0	0	6	L
L PC-105922	PC-109541	B	2 ACSR	7.02Y	116.9	0.00	9.08	0.01	0	0	0	100	0.00	0.0	9.744	0.014	0	0	0	1	L
L PC-109842	PC-105922	B	2 ACSR	7.02Y	116.9	0.00	9.08	0.01	0	0	0	100	0.00	0.0	9.808	0.064	0	0	0	1	L
L PC-101160	PC-109541	B	6 ACWC	7.01Y	116.9	0.02	9.11	3.12	2	22	3	99	0.00	0.0	9.903	0.173	0	0	0	5	L
L PC-104918	PC-101160	B	4 ACSR	7.01Y	116.9	0.00	9.11	1.61	1	11	2	98	0.00	0.0	9.968	0.065	0	0	0	2	L
L PC-105150	PC-104918	B	4 ACSR	7.01Y	116.9	0.01	9.12	1.61	1	11	2	98	0.00	0.0	10.039	0.071	0	0	0	2	L
L PC-105392	PC-105150	B	4 ACSR	7.01Y	116.9	0.00	9.12	1.61	1	11	2	98	0.00	0.0	10.077	0.038	0	0	0	2	L
L PC-105318	PC-105392	B	4 ACSR	7.01Y	116.9	0.00	9.12	1.61	1	11	2	98	0.00	0.0	10.145	0.068	0	0	0	2	L
L PC-100107	PC-101160	B	4 ACSR	7.01Y	116.9	0.00	9.11	0.31	0	2	0	100	0.00	0.0	10.017	0.114	0	0	0	1	L
L PC-94553	PC-101160	B	6 ACWC	7.01Y	116.9	0.00	9.11	0.20	0	1	0	100	0.00	0.0	9.972	0.070	0	0	0	1	L
L PC-94552	PC-94553	B	4 ACSR	7.01Y	116.9	0.00	9.11	0.00	0	0	0	100	0.00	0.0	10.013	0.041	0	0	0	0	L
L PC-106103	PC-105909	B	4 ACSR	7.02Y	116.9	0.00	9.07	0.55	0	4	1	97	0.00	0.0	9.652	0.040	0	0	0	1	L
L PC-105240	PC-106103	B	4 ACSR	7.02Y	116.9	0.00	9.07	0.55	0	4	1	97	0.00	0.0	9.673	0.021	0	0	0	1	L
L PC-100955	PC-100954	B	2 ACSR	7.02Y	117.0	0.00	9.04	0.63	0	4	1	97	0.00	0.0	9.502	0.048	0	0	0	1	L
L PC-103868	PC-104118	B	4 ACSR	7.02Y	117.0	0.01	9.02	3.02	2	21	3	99	0.00	0.0	9.397	0.067	0	0	0	2	L
L PC-104236	PC-103868	B	4 ACSR	7.02Y	117.0	0.01	9.03	2.09	1	15	2	99	0.00	0.0	9.452	0.055	0	0	0	1	L
---------- Feeder No. 0 (24-124) Beginning with Device 24-124 ----------																					
---------- Feeder No. 0 (24-144) Beginning with Device 24-144 ----------																					
---------- Feeder No. 0 (24-104) Beginning with Device 24-104 ----------																					
---------- Feeder No. 0 (24-114) Beginning with Device 24-114 ----------																					
L PC-159265	PC-100839	ABC	1/0 ACSR	7.02Y	117.0	0.10	9.02	55.96	24	1164	190	99	0.84	0.1	7.486	0.101	0	0	0	187	L
L PC-151721	PC-159265	ABC	1/0 ACSR	7.01Y	116.9	0.09	9.11	55.61	24	1156	188	99	0.79	0.1	7.582	0.096	0	0	0	186	L
L PC-161311	PC-151721	A	4 ACSR	7.01Y	116.9	0.00	9.12	1.43	1	10	2	98	0.00	0.0	7.655	0.073	0	0	0	2	L
L PC-161307	PC-151721	ABC	1/0 ACSR	7.01Y	116.8	0.09	9.20	55.14	24	1145	186	99	0.79	0.1	7.680	0.097	0	0	0	184	L
L PC-164597	PC-161307	ABC	1/0 ACSR	7.00Y	116.7	0.06	9.27	54.74	24	1136	184	99	0.56	0.0	7.750	0.070	0	0	0	183	L
L PC-153875	PC-164597	ABC	1/0 ACSR	7.00Y	116.7	0.06	9.32	54.74	24	1136	183	99	0.49	0.0	7.811	0.061	0	0	0	183	L
L PC-164596	PC-153875	ABC	1/0 ACSR	6.99Y	116.6	0.10	9.43	54.74	24	1135	183	99	0.89	0.1	7.923	0.112	0	0	0	183	L
L PC-153810	PC-164596	ABC	1/0 ACSR	6.99Y	116.5	0.05	9.47	54.74	24	1134	182	99	0.40	0.0	7.973	0.050	0	0	0	182	L
L PC-153761	PC-153810	ABC	1/0 ACSR	6.99Y	116.5	0.05	9.53	54.74	24	1134	182	99	0.46	0.0	8.031	0.058	0	0	0	182	L
L PC-163617	PC-153761	ABC	1/0 ACSR	6.98Y	116.4	0.06	9.59	54.74	24	1133	181	99	0.51	0.0	8.095	0.064	0	0	0	182	L
L PC-98879	PC-163617	ABC	1/0 ACSR	6.98Y	116.4	0.05	9.64	54.74	24	1133	181	99	0.47	0.0	8.154	0.059	0	0	0	182	L
L PC-152695	PC-98879	B	4 ACSR	6.98Y	116.3	0.01	9.65	42.29	30	292	46	99	0.03	0.0	8.160	0.006	0	0	0	54	L
L D1092	PC-152695	B	REC_50_H	6.98Y	116.3	0.00	9.65	42.29	0	292	46	99	0.00	0.0	8.160	0.006	0	0	0	54	L
L PC-164631	D1092	B	4 ACSR	6.97Y	116.1	0.25	9.90	42.29	30	292	46	99	0.60	0.2	8.294	0.134	0	0	0	54	L
L PC-152699	PC-164631	B	4 ACSR	6.95Y	115.8	0.27	10.17	42.29	30	291	46	99	0.63	0.2	8.436	0.142	0	0	0	54	L
L PC-154442	PC-152699	B	4 ACSR	6.94Y	115.7	0.13	10.31	42.29	30	290	46	99	0.31	0.1	8.507	0.071	0	0	0	54	L
L PC-154753	PC-154442	B	4 ACSR	6.94Y	115.7	0.01	10.32	4.28	3	29	4	99	0.00	0.0	8.576	0.069	0	0	0	5	L
L PC-154404	PC-154753	B	4 ACSR	6.94Y	115.7	0.01	10.32	2.84	2	19	3	99	0.00	0.0	8.617	0.041	0	0	0	3	L
L PC-154470	PC-154404	B	4 ACSR	6.94Y	115.7	0.00	10.33	1.84	1	13	2	99	0.00	0.0	8.647	0.030	0	0	0	2	L
L PC-154384	PC-154470	B	4 ACSR	6.94Y	115.7	0.00	10.33	1.07	1	7	1	99	0.00	0.0	8.712	0.066	0	0	0	1	L
L PC-154477	PC-154442	B	4 ACSR	6.94Y	115.6	0.05	10.36	38.01	27	261	41	99	0.11	0.0	8.539	0.032	0	0	0	49	L
L PC-154750	PC-154477	B	4 ACSR	6.94Y	115.6	0.00	10.36	0.00	0	0	0	100	0.00	0.0	8.606	0.067	0	0	0	0	L
L PC-154403	PC-154477	B	4 ACSR	6.93Y	115.5	0.14	10.50	38.01	27	261	41	99	0.29	0.1	8.620	0.082	0	0	0	49	L
L PC-169352	PC-154403	B	4 ACSR	6.92Y	115.4	0.13	10.63	32.52	23	223	35	99	0.24	0.1	8.711	0.091	0	0	0	44	L
L PC-154482	PC-169352	B	4 ACSR	6.92Y	115.3	0.10	10.73	32.52	23	222	35	99	0.19	0.1	8.783	0.072	0	0	0	44	L
L PC-170993	PC-154482	B	4 ACSR	6.92Y	115.3	0.01	10.75	3.97	3	27	4	99	0.00	0.0	8.845	0.061	0	0	0	2	L
L PC-170994	PC-170993	B	1/0 URD PR	6.92Y	115.3	0.00	10.75	3.97	2	27	4	99	0.00	0.0	8.846	0.001	0	0	0	2	L
L PC-171079	PC-170994	B	1/0 URD PR	6.92Y	115.3	0.00	10.75	3.97	2	27	4	99	0.00	0.0	8.850	0.004	0	0	0	2	L
L PC-176703	PC-171079	B	1/0 URD PR	6.92Y	115.3	0.00	10.75	1.80	1	12	2	99	0.00	0.0	8.888	0.038	0	0	0	1	L
L PC-176704	PC-176703	B	1/0 URD PR	6.91Y	115.2	0.00	10.75	1.80	1	12	2	99	0.00	0.0	8.931	0.043	0	0	0	1	L
L PC-169230	PC-154482	B	4 ACSR	6.91Y	115.2	0.10	10.83	28.42	20	194	30	99	0.15	0.1	8.861	0.077	0	0	0	40	L
L PC-154423	PC-169230	B	4 ACSR	6.91Y	115.2	0.00	10.83	1.16	1	8	1	99	0.00	0.0	8.906	0.045	0	0	0	2	L
L PC-153703	PC-169230	B	4 ACSR	6.90Y	115.1	0.10	10.93	25.42	18	174	27	99	0.14	0.1	8.945	0.084	0	0	0	36	L
L PC-154405	PC-153703	B	4 ACSR	6.90Y	115.0	0.07	10.99	23.35	17	159	25	99	0.09	0.1	9.008	0.063	0	0	0	34	L
L PC-164760	PC-154405	B	2 ACSR	6.90Y	115.0	0.00	10.99	1.56	1	11	2	98	0.00	0.0	9.018	0.010	0	0	0	1	L
L PC-164757	PC-154405	B	4 ACSR	6.90Y	114.9	0.06	11.05	19.96	14	136	21	99	0.07	0.0	9.075	0.067	0	0	0	32	L
L PC-154356	PC-164757	B	4 ACSR	6.89Y	114.9	0.06	11.11	19.96	14	136	21	99	0.06	0.0	9.137	0.063	0	0	0	32	L
L PC-164635	PC-154356	B	4 ACSR	6.89Y	114.8	0.08	11.19	18.74	13	128	20	99	0.09	0.1	9.236	0.098	0	0	0	31	L
L PC-164633	PC-164635	B	4 ACSR	6.88Y	114.7	0.08	11.27	18.74	13	128	20	99	0.09	0.1	9.335	0.099	0	0	0	31	L
L PC-162024	PC-164633	B	4 ACSR	6.88Y	114.6	0.08	11.35	18.74	13	127	20	99	0.08	0.1	9.426	0.092	0	0	0	31	L
L PC-152784	PC-162024	B	4 ACSR	6.88Y	114.6	0.05	11.40	18.74	13	127	20	99	0.05	0.0	9.484	0.057	0	0	0	31	L
L PC-152782	PC-152784	B	4 ACSR	6.87Y	114.6	0.04	11.44	18.74	13	127	20	99	0.04	0.0	9.532	0.049	0	0	0	31	L
L PC-153726	PC-152782	B	4 ACSR	6.87Y	114.5	0.06	11.50	18.74	13	127	20	99	0.07	0.1	9.609	0.077	0	0	0	31	L

Balanced Voltage Drop Report
Source: VAN_ARSDELL

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\BASE WINTER SUB ALLOCATION.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L PC-154379	PC-153726	B	4 ACSR	6.87Y	114.4	0.08	11.58	18.74	13	127	20	99	0.08	0.1	9.703	0.093	0	0	0	31	L
L PC-152687	PC-154379	B	4 ACSR	6.86Y	114.4	0.07	11.65	18.74	13	127	20	99	0.07	0.1	9.781	0.078	0	0	0	31	L
L PC-152696	PC-152687	B	4 ACSR	6.86Y	114.3	0.08	11.73	18.74	13	127	20	99	0.08	0.1	9.875	0.095	0	0	0	31	L
L PC-154380	PC-152696	B	4 ACSR	6.85Y	114.2	0.06	11.78	17.08	12	116	18	99	0.06	0.0	9.952	0.077	0	0	0	30	L
L PC-152688	PC-154380	B	4 ACSR	6.85Y	114.2	0.05	11.83	17.08	12	116	18	99	0.05	0.0	10.018	0.066	0	0	0	30	L
L PC-154728	PC-152688	B	4 ACSR	6.85Y	114.1	0.06	11.89	17.08	12	116	18	99	0.06	0.0	10.095	0.077	0	0	0	30	L
L PC-152573	PC-154728	B	4 ACSR	6.84Y	114.0	0.06	11.95	17.08	12	116	18	99	0.06	0.0	10.173	0.078	0	0	0	30	L
L PC-152700	PC-152573	B	2 ACSR	6.84Y	114.0	0.00	11.95	1.03	1	7	1	99	0.00	0.0	10.224	0.050	0	0	0	1	L
L PC-152698	PC-152573	B	4 ACSR	6.84Y	114.0	0.08	12.03	16.05	11	109	17	99	0.07	0.1	10.287	0.114	0	0	0	29	L
L PC-162025	PC-152698	B	4 ACSR	6.84Y	114.0	0.00	12.03	2.13	2	14	2	99	0.00	0.0	10.299	0.012	0	0	0	1	L
L PC-154730	PC-162025	B	4 ACSR	6.84Y	114.0	0.00	12.04	2.13	2	14	2	99	0.00	0.0	10.335	0.035	0	0	0	1	L
L PC-162023	PC-152698	B	4 ACSR	6.83Y	113.9	0.06	12.09	13.93	10	94	15	99	0.05	0.0	10.384	0.097	0	0	0	28	L
L PC-152575	PC-162023	B	4 ACSR	6.83Y	113.9	0.04	12.13	13.00	9	88	14	99	0.03	0.0	10.454	0.069	0	0	0	23	L
L PC-152576	PC-152575	B	4 ACSR	6.83Y	113.8	0.06	12.20	13.00	9	88	14	99	0.05	0.1	10.564	0.111	0	0	0	22	L
L PC-152785	PC-152576	B	4 ACSR	6.83Y	113.8	0.04	12.24	13.00	9	88	13	99	0.03	0.0	10.640	0.076	0	0	0	22	L
L PC-164632	PC-152785	B	4 ACSR	6.82Y	113.7	0.01	12.25	13.00	9	88	13	99	0.01	0.0	10.654	0.014	0	0	0	22	L
L PC-164634	PC-164632	B	4 ACSR	6.82Y	113.7	0.05	12.30	12.98	9	88	13	99	0.04	0.0	10.747	0.093	0	0	0	21	L
L PC-154381	PC-164634	B	4 ACSR	6.82Y	113.7	0.04	12.35	10.31	7	70	11	99	0.03	0.0	10.844	0.097	0	0	0	19	L
L PC-154382	PC-154381	B	4 ACSR	6.82Y	113.6	0.04	12.39	10.31	7	70	11	99	0.03	0.0	10.940	0.096	0	0	0	19	L
L PC-154729	PC-154382	B	4 ACSR	6.82Y	113.6	0.01	12.41	2.60	2	17	3	98	0.00	0.0	11.053	0.112	0	0	0	1	L
L PC-154441	PC-154382	B	4 ACSR	6.81Y	113.6	0.03	12.43	7.72	6	52	8	99	0.01	0.0	11.042	0.101	0	0	0	18	L
L PC-154731	PC-154441	B	4 ACSR	6.81Y	113.5	0.03	12.46	7.06	5	48	7	99	0.01	0.0	11.140	0.098	0	0	0	14	L
L PC-154732	PC-154731	B	4 ACSR	6.81Y	113.5	0.00	12.46	4.81	3	32	5	99	0.00	0.0	11.151	0.011	0	0	0	12	L
L PC-159525	PC-154732	B	4 ACSR	6.81Y	113.5	0.02	12.48	4.48	3	30	5	99	0.00	0.0	11.248	0.097	0	0	0	10	L
L PC-159729	PC-159525	B	4 ACSR	6.81Y	113.5	0.02	12.50	4.31	3	29	4	99	0.00	0.0	11.332	0.084	0	0	0	8	L
L PC-154749	PC-159729	B	4 ACSR	6.81Y	113.5	0.00	12.50	0.06	0	0	0	100	0.00	0.0	11.420	0.088	0	0	0	1	L
L PC-152783	PC-154749	B	4 ACSR	6.81Y	113.5	0.00	12.50	0.06	0	0	0	100	0.00	0.0	11.506	0.086	0	0	0	1	L
L PC-162022	PC-152783	B	4 ACSR	6.81Y	113.5	0.00	12.50	0.06	0	0	0	100	0.00	0.0	11.593	0.087	0	0	0	1	L
L PC-152694	PC-162022	B	4 ACSR	6.81Y	113.5	0.00	12.50	0.00	0	0	0	100	0.00	0.0	11.643	0.050	0	0	0	0	L
L PC-154377	PC-152694	B	4 ACSR	6.81Y	113.5	0.00	12.50	0.00	0	0	0	100	0.00	0.0	11.710	0.067	0	0	0	0	L
L PC-154439	PC-154377	B	4 ACSR	6.81Y	113.5	0.00	12.50	0.00	0	0	0	100	0.00	0.0	11.750	0.039	0	0	0	0	L
L PC-98326	PC-154439	B	4 ACSR	6.81Y	113.5	0.00	12.50	0.00	0	0	0	100	0.00	0.0	11.791	0.041	0	0	0	0	L
L PC-103322	PC-98326	B	4 ACSR	6.81Y	113.5	0.00	12.50	0.00	0	0	0	100	0.00	0.0	11.851	0.060	0	0	0	0	L
L PC-97904	PC-103322	B	4 ACSR	6.81Y	113.5	0.00	12.50	0.00	0	0	0	100	0.00	0.0	11.931	0.080	0	0	0	0	L
L PC-154479	PC-159729	B	4 ACSR	6.81Y	113.5	0.01	12.50	2.89	2	19	3	99	0.00	0.0	11.372	0.040	0	0	0	5	L
L PC-154478	PC-154479	B	4 ACSR	6.81Y	113.5	0.00	12.50	0.06	0	0	0	100	0.00	0.0	11.400	0.028	0	0	0	1	L
L PC-152689	PC-154479	B	4 ACSR	6.81Y	113.5	0.01	12.51	2.09	1	14	2	99	0.00	0.0	11.459	0.087	0	0	0	3	L
L PC-163628	PC-152689	B	2 ACSR	6.81Y	113.5	0.00	12.51	0.80	0	5	1	98	0.00	0.0	11.475	0.016	0	0	0	1	L
L PC-154751	PC-152689	B	4 ACSR	6.81Y	113.5	0.00	12.51	1.30	1	9	1	99	0.00	0.0	11.497	0.038	0	0	0	2	L
L PC-154402	PC-154751	B	4 ACSR	6.81Y	113.5	0.00	12.51	1.30	1	9	1	99	0.00	0.0	11.554	0.057	0	0	0	2	L
L PC-164758	PC-154402	B	4 ACSR	6.81Y	113.5	0.00	12.51	0.00	0	0	0	100	0.00	0.0	11.616	0.062	0	0	0	0	L
L S724-A	PC-164758	B	Open	6.81Y	113.5	0.00	12.51	0.00	0	0	0	100	0.00	0.0	11.616	0.062	0	0	0	0	L
L PC-154752	PC-154402	B	4 ACSR	6.81Y	113.5	0.00	12.52	1.30	1	9	1	99	0.00	0.0	11.607	0.053	0	0	0	2	L
L PC-154401	PC-159729	B	2 ACSR	6.81Y	113.5	0.00	12.50	1.30	1	9	1	99	0.00	0.0	11.358	0.026	0	0	0	1	L
L PC-154733	PC-159525	B	6 ACWC	6.81Y	113.5	0.00	12.48	0.18	0	1	0	100	0.00	0.0	11.314	0.066	0	0	0	2	L
L PC-159730	PC-154733	B	2 ACSR	6.81Y	113.5	0.00	12.48	0.00	0	0	0	100	0.00	0.0	11.371	0.057	0	0	0	1	L
L PC-154480	PC-154732	B	4 ACSR	6.81Y	113.5	0.00	12.46	0.32	0	2	0	100	0.00	0.0	11.165	0.014	0	0	0	2	L
L PC-154378	PC-154480	B	4 ACSR	6.81Y	113.5	0.00	12.46	0.32	0	2	0	100	0.00	0.0	11.171	0.006	0	0	0	2	L
L PC-154481	PC-154378	B	4 ACSR	6.81Y	113.5	0.00	12.46	0.32	0	2	0	100	0.00	0.0	11.262	0.091	0	0	0	2	L
L PC-164762	PC-154481	B	4 ACSR	6.81Y	113.5	0.00	12.46	0.32	0	2	0	100	0.00	0.0	11.380	0.119	0	0	0	2	L
L PC-164763	PC-164762	B	4 ACSR	6.81Y	113.5	0.00	12.47	0.32	0	2	0	100	0.00	0.0	11.467	0.087	0	0	0	2	L
L PC-154443	PC-154731	B	4 ACSR	6.81Y	113.5	0.00	12.46	2.26	2	15	2	99	0.00	0.0	11.164	0.024	0	0	0	2	L
L PC-154440	PC-154441	B	4 ACSR	6.81Y	113.6	0.00	12.43	0.34	0	2	0	100	0.00	0.0	11.128	0.087	0	0	0	3	L
L PC-152781	PC-154440	B	4 ACSR	6.81Y	113.6	0.00	12.43	0.22	0	1	0	100	0.00	0.0	11.211	0.082	0	0	0	2	L
L PC-162021	PC-152781	B	2 ACSR	6.81Y	113.6	0.00	12.43	0.22	0	1	0	100	0.00	0.0	11.288	0.077	0	0	0	2	L
L PC-162019	PC-162021	B	2 ACSR	6.81Y	113.6	0.00	12.43	0.22	0	1	0	100	0.00	0.0	11.381	0.093	0	0	0	2	L
L PC-154727	PC-162019	B	2 ACSR	6.81Y	113.6	0.00	12.43	0.19	0	1	0	100	0.00	0.0	11.453	0.071	0	0	0	1	L
L PC-154357	PC-154727	B	2 ACSR	6.81Y	113.6	0.00	12.43	0.19	0	1	0	100	0.00	0.0	11.556	0.103	0	0	0	1	L
L PC-153724	PC-154357	B	2 ACSR	6.81Y	113.6	0.00	12.43	0.19	0	1	0	100	0.00	0.0	11.630	0.074	0	0	0	1	L
L PC-152574	PC-162023	B	4 ACSR	6.83Y	113.9	0.00	12.10	0.93	1	6	1	99	0.00	0.0	10.460	0.076	0	0	0	5	L
L PC-154469	PC-152574	B	4 ACSR	6.83Y	113.9	0.00	12.10	0.93	1	6	1	99	0.00	0.0	10.544	0.084	0	0	0	5	L
L PC-162020	PC-154469	B	4 ACSR	6.83Y	113.9	0.00	12.10	0.93	1	6	1	99	0.00	0.0	10.620	0.076	0	0	0	5	L
L PC-153707	PC-162020	B	4 ACSR	6.83Y	113.9	0.00	12.11	0.81	1	6	1	99	0.00	0.0	10.718	0.098	0	0	0	4	L
L PC-154358	PC-153707	B	4 ACSR	6.83Y	113.9	0.00	12.11	0.81	1	6	1	99	0.00	0.0	10.788	0.070	0	0	0	4	L
L PC-153725	PC-154358	B	4 ACSR	6.83Y	113.9	0.00	12.11	0.81	1	6	1	99	0.00	0.0	10.909	0.120	0	0	0	4	L
L PC-153723	PC-153725	B	4 ACSR	6.83Y	113.9	0.00	12.12	0.81	1	6	1	99	0.00	0.0	11.009	0.101	0	0	0	4	L
L PC-153706	PC-153723	B	6 ACWC	6.83Y	113.9	0.00	12.12	0.00	0	0	0	100	0.00	0.0	11.058	0.049	0	0	0	1	L
L PC-152269	PC-153706	B	6 ACWC	6.83Y	113.9	0.00	12.12	0.00	0	0	0	100	0.00	0.0	11.104	0.046	0	0	0	1	L
L PC-163595	PC-152269	B	6 ACWC	6.83Y	113.9	0.00	12.12	0.00	0	0	0	100	0.00	0.0	11.158	0.054	0	0	0	1	L
L PC-163594	PC-163595	B	4 ACSR	6.83Y	113.9	0.00	12.12	0.00	0	0	0	100	0.00	0.0	11.179	0.021	0	0	0	1	L
L PC-163593	PC-163594	B	4 ACSR	6.83Y	113.9	0.00	12.12	0.00	0	0	0	100	0.00	0.0	11.260	0.081	0	0	0	1	L
L PC-153704	PC-163593	B	4 ACSR	6.83Y	113.9	0.00	12.12	0.00	0	0	0	100	0.00	0.0	11.300	0.040	0	0	0	0	L
L PC-152268	PC-163593	B	4 ACSR	6.83Y	113.9	0.00	12.12	0.00	0	0	0	100	0.00	0.0	11.348	0.088	0	0	0	1	L
L PC-163592	PC-152268	B	4 ACSR	6.83Y	113.9	0.00	12.12	0.00	0	0	0	100	0.00	0.0	11.398	0.050	0	0	0	1	L
L PC-153705	PC-153723	B	4 ACSR	6.83Y	113.9	0.00	12.12	0.22	0	1	0	100	0.00	0.0	11.077	0.068	0	0	0	2	L
L PC-101197	PC-153705	B	4 ACSR	6.83Y	113.9	0.00	12.12	0.00	0	0	0	100	0.00	0.0	11.176	0.099	0	0	0	0	L
L PC-152270	PC-153723	B	4 ACSR	6.83Y	113.9	0.00	12.12	0.59	0	4	1	97	0.00	0.0	11.071	0.062	0	0	0	1	L
L PC-154400	PC-154356	B	4 ACSR	6.89Y	114.9	0.00	11.11	1.22	1	8	1	99	0.00	0.0	9.146	0.009	0	0	0	1	L
L PC-154383	PC-154400	B	4 ACSR	6.89Y	114.9	0.00	11.11	1.22	1	8	1	99	0.00	0.0	9.188	0.042	0	0	0	1	L
L PC-162026	PC-154383	B	4 ACSR	6.89Y	114.9	0.00	11.11	1.22	1	8	1	99	0.00	0.0	9.226	0.038	0	0	0	1	L

Balanced Voltage Drop Report
Source: VAN_ARSDELL

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\BASE WINTER SUB ALLOCATION.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Cons On	Cons Thru	
L PC-98466	PC-154405	B	4 ACSR	6.90Y	115.0	0.00	10.99	0.00	0	0	0	100	0.00	0.0	9.089	0.081	0	0	0	0	L
L PC-152267	PC-169230	B	2 ACSR	6.91Y	115.2	0.00	10.83	1.84	1	13	2	99	0.00	0.0	8.902	0.042	0	0	0	2	L
L PC-154754	PC-152267	B	2 ACSR	6.91Y	115.2	0.00	10.84	1.84	1	13	2	99	0.00	0.0	8.948	0.045	0	0	0	2	L
L PC-169351	PC-154403	B	4 ACSR	6.93Y	115.5	0.02	10.52	5.49	4	38	6	99	0.01	0.0	8.712	0.092	0	0	0	5	L
L PC-174901	PC-169351	B	4 ACSR	6.93Y	115.5	0.01	10.53	3.16	2	22	3	99	0.00	0.0	8.757	0.045	0	0	0	2	L
L PC-152697	PC-174901	B	4 ACSR	6.93Y	115.5	0.01	10.53	1.93	1	13	2	99	0.00	0.0	8.831	0.074	0	0	0	1	L
L PC-164761	PC-152697	B	4 ACSR	6.93Y	115.5	0.01	10.54	1.93	1	13	2	99	0.00	0.0	8.911	0.080	0	0	0	1	L
L PC-154406	PC-169351	B	4 ACSR	6.93Y	115.5	0.00	10.52	1.36	1	9	1	99	0.00	0.0	8.746	0.034	0	0	0	2	L
L PC-169228	PC-154406	B	4 ACSR	6.93Y	115.5	0.00	10.52	0.68	0	5	1	98	0.00	0.0	8.796	0.050	0	0	0	1	L
L PC-150694	PC-98879	ABC	1/0 ACSR	6.98Y	116.3	0.04	9.68	40.65	18	841	134	99	0.26	0.0	8.214	0.060	0	0	0	128	L
L PC-99242	PC-150694	ABC	1/0 ACSR	6.98Y	116.3	0.03	9.71	40.41	18	836	133	99	0.22	0.0	8.264	0.050	0	0	0	127	L
L PC-163568	PC-99242	ABC	1/0 ACSR	6.97Y	116.2	0.04	9.76	39.97	17	826	131	99	0.28	0.0	8.330	0.066	0	0	0	125	L
L PC-101458	PC-163568	ABC	1/0 ACSR	6.97Y	116.2	0.04	9.80	39.89	17	824	131	99	0.23	0.0	8.385	0.055	0	0	0	122	L
L PC-146505	PC-101458	ABC	1/0 ACSR	6.97Y	116.2	0.03	9.83	39.82	17	823	130	99	0.20	0.0	8.432	0.047	0	0	0	119	L
L PC-108640	PC-146505	ABC	1/0 ACSR	6.97Y	116.2	0.02	9.85	39.82	17	822	130	99	0.11	0.0	8.459	0.027	0	0	0	119	L
L PC-145588	PC-108640	ABC	1/0 ACSR	6.97Y	116.1	0.03	9.88	39.82	17	822	130	99	0.20	0.0	8.507	0.049	0	0	0	119	L
L PC-145570	PC-145588	ABC	1/0 ACSR	6.96Y	116.1	0.06	9.94	39.43	17	814	129	99	0.38	0.0	8.598	0.091	0	0	0	118	L
L PC-148917	PC-145570	C	2 ACSR	6.96Y	116.1	0.00	9.94	1.18	1	8	1	99	0.00	0.0	8.604	0.006	0	0	0	1	L
L PC-151499	PC-148917	C	2 ACSR	6.96Y	116.1	0.00	9.94	1.18	1	8	1	99	0.00	0.0	8.661	0.057	0	0	0	1	L
L PC-148916	PC-151499	C	2 ACSR	6.96Y	116.1	0.00	9.94	1.18	1	8	1	99	0.00	0.0	8.715	0.053	0	0	0	1	L
L PC-146504	PC-145570	ABC	1/0 ACSR	6.96Y	116.0	0.07	10.01	39.03	17	805	127	99	0.45	0.1	8.709	0.111	0	0	0	117	L
L PC-175332	PC-146504	ABC	1/0 ACSR	6.96Y	116.0	0.00	10.01	39.03	17	805	127	99	0.02	0.0	8.715	0.006	0	0	0	117	L
L D1038	PC-175332	ABC	REC_35_UNK	6.96Y	116.0	0.00	10.01	39.03	0	805	126	99	0.00	0.0	8.715	0.006	0	0	0	117	L
L PC-152300	D1038	ABC	1/0 ACSR	6.96Y	115.9	0.04	10.05	39.03	17	805	126	99	0.24	0.0	8.775	0.060	0	0	0	117	L
L PC-167751	PC-152300	ABC	1/0 ACSR	6.95Y	115.9	0.07	10.12	39.03	17	805	126	99	0.44	0.1	8.883	0.108	0	0	0	117	L
L PC-167750	PC-167751	A	4 ACSR	6.95Y	115.8	0.05	10.17	14.08	10	97	15	99	0.04	0.0	8.956	0.073	0	0	0	16	L
L PC-153556	PC-167750	A	4 ACSR	6.95Y	115.8	0.03	10.20	13.06	9	90	14	99	0.02	0.0	9.007	0.052	0	0	0	15	L
L PC-152754	PC-153556	A	4 ACSR	6.95Y	115.8	0.02	10.22	13.06	9	90	14	99	0.02	0.0	9.044	0.037	0	0	0	15	L
L PC-153557	PC-152754	A	4 ACSR	6.94Y	115.7	0.03	10.25	13.06	9	90	14	99	0.02	0.0	9.100	0.055	0	0	0	15	L
L PC-100016	PC-153557	A	6 ACWC	6.94Y	115.7	0.03	10.29	11.81	8	81	12	99	0.02	0.0	9.163	0.063	0	0	0	13	L
L PC-152932	PC-100016	A	6 ACWC	6.94Y	115.7	0.03	10.32	10.56	8	72	11	99	0.02	0.0	9.232	0.069	0	0	0	12	L
L PC-152298	PC-152932	A	6 ACWC	6.94Y	115.7	0.03	10.35	10.56	8	72	11	99	0.02	0.0	9.293	0.061	0	0	0	12	L
L PC-177524	PC-152298	A	6 ACWC	6.94Y	115.6	0.02	10.37	9.18	7	63	10	99	0.01	0.0	9.350	0.058	0	0	0	9	L
L PC-177525	PC-177524	A	4 ACSR	6.94Y	115.6	0.01	10.38	3.32	2	23	3	99	0.00	0.0	9.385	0.034	0	0	0	1	L
L PC-99870	PC-177524	A	6 ACWC	6.94Y	115.6	0.02	10.39	5.87	4	40	6	99	0.01	0.0	9.417	0.066	0	0	0	8	L
L PC-177526	PC-99870	A	6 ACWC	6.94Y	115.6	0.02	10.41	5.87	4	40	6	99	0.01	0.0	9.488	0.071	0	0	0	8	L
L PC-177466	PC-177526	A	6 ACWC	6.93Y	115.6	0.02	10.43	5.87	4	40	6	99	0.01	0.0	9.564	0.076	0	0	0	8	L
L PC-177465	PC-177466	A	4 ACSR	6.93Y	115.6	0.00	10.43	0.75	1	5	1	98	0.00	0.0	9.626	0.062	0	0	0	1	L
L PC-152299	PC-177465	A	4 ACSR	6.93Y	115.6	0.00	10.43	0.75	1	5	1	98	0.00	0.0	9.719	0.093	0	0	0	1	L
L PC-148915	PC-152299	A	4 ACSR	6.93Y	115.6	0.00	10.43	0.75	1	5	1	98	0.00	0.0	9.805	0.086	0	0	0	1	L
L PC-163564	PC-148915	A	4 ACSR	6.93Y	115.6	0.00	10.44	0.75	1	5	1	98	0.00	0.0	9.871	0.065	0	0	0	1	L
L PC-145568	PC-163564	A	4 ACSR	6.93Y	115.6	0.00	10.44	0.75	1	5	1	98	0.00	0.0	9.960	0.089	0	0	0	1	L
L PC-174584	PC-177466	A	4 ACSR	6.93Y	115.6	0.00	10.43	1.29	1	9	1	99	0.00	0.0	9.618	0.054	0	0	0	2	L
L PC-152320	PC-174584	A	4 ACSR	6.93Y	115.6	0.00	10.43	1.29	1	9	1	99	0.00	0.0	9.678	0.060	0	0	0	2	L
L PC-163563	PC-177466	A	6 ACWC	6.93Y	115.6	0.01	10.44	3.83	3	26	4	99	0.00	0.0	9.629	0.065	0	0	0	5	L
L PC-177467	PC-163563	A	4 ACSR	6.93Y	115.6	0.00	10.44	3.83	3	26	4	99	0.00	0.0	9.642	0.012	0	0	0	5	L
L PC-152319	PC-177467	A	4 ACSR	6.93Y	115.6	0.01	10.45	3.83	3	26	4	99	0.00	0.0	9.693	0.051	0	0	0	5	L
L PC-153278	PC-152319	A	4 ACSR	6.93Y	115.5	0.01	10.46	3.83	3	26	4	99	0.00	0.0	9.771	0.077	0	0	0	5	L
L PC-152786	PC-153278	A	4 ACSR	6.93Y	115.5	0.02	10.48	3.83	3	26	4	99	0.00	0.0	9.860	0.089	0	0	0	5	L
L PC-153281	PC-152786	A	4 ACSR	6.93Y	115.5	0.01	10.49	3.83	3	26	4	99	0.00	0.0	9.941	0.082	0	0	0	5	L
L PC-153280	PC-153281	A	4 ACSR	6.93Y	115.5	0.02	10.51	3.83	3	26	4	99	0.00	0.0	10.057	0.116	0	0	0	5	L
L PC-153236	PC-153280	A	4 ACSR	6.93Y	115.5	0.01	10.52	3.83	3	26	4	99	0.00	0.0	10.089	0.032	0	0	0	5	L
L PC-163504	PC-153236	A	4 ACSR	6.93Y	115.5	0.00	10.52	0.20	0	1	0	100	0.00	0.0	10.161	0.072	0	0	0	1	L
L PC-163503	PC-163504	A	4 ACSR	6.93Y	115.5	0.00	10.52	0.20	0	1	0	100	0.00	0.0	10.262	0.101	0	0	0	1	L
L PC-163502	PC-163503	A	4 ACSR	6.93Y	115.5	0.00	10.52	0.20	0	1	0	100	0.00	0.0	10.329	0.067	0	0	0	1	L
L PC-152787	PC-163502	A	4 ACSR	6.93Y	115.5	0.00	10.52	0.20	0	1	0	100	0.00	0.0	10.385	0.057	0	0	0	1	L
L PC-153370	PC-152787	A	4 ACSR	6.93Y	115.5	0.00	10.52	0.20	0	1	0	100	0.00	0.0	10.454	0.069	0	0	0	1	L
L PC-153372	PC-153236	A	4 ACSR	6.93Y	115.5	0.00	10.52	3.63	3	25	4	99	0.00	0.0	10.098	0.009	0	0	0	4	L
L PC-152788	PC-153372	A	4 ACSR	6.93Y	115.5	0.00	10.52	3.63	3	25	4	99	0.00	0.0	10.128	0.030	0	0	0	4	L
L PC-159262	PC-152788	A	4 ACSR	6.93Y	115.5	0.01	10.53	3.63	3	25	4	99	0.00	0.0	10.175	0.047	0	0	0	4	L
L PC-159263	PC-159262	A	4 ACSR	6.93Y	115.5	0.01	10.54	3.23	2	22	3	99	0.00	0.0	10.242	0.068	0	0	0	3	L
L PC-153555	PC-159263	A	4 ACSR	6.93Y	115.5	0.00	10.54	2.51	2	17	3	98	0.00	0.0	10.282	0.040	0	0	0	2	L
L PC-166948	PC-153555	A	1/0 URD PR	6.93Y	115.5	0.00	10.54	0.70	0	5	1	98	0.00	0.0	10.288	0.006	0	0	0	1	L
L PC-156470	PC-166948	A	1/0 URD PR	6.93Y	115.5	0.00	10.54	0.70	0	5	1	98	0.00	0.0	10.350	0.062	0	0	0	1	L
L PC-153369	PC-159262	A	4 ACSR	6.93Y	115.5	0.00	10.53	0.40	0	3	0	100	0.00	0.0	10.219	0.044	0	0	0	1	L
L PC-153558	PC-152298	A	4 ACSR	6.94Y	115.7	0.00	10.35	0.94	1	6	1	99	0.00	0.0	9.339	0.046	0	0	0	2	L
L PC-98623	PC-152298	A	6 ACWC	6.94Y	115.7	0.00	10.35	0.43	0	3	0	100	0.00	0.0	9.299	0.006	0	0	0	1	L
L PC-153559	PC-98623	A	6 ACWC	6.94Y	115.7	0.00	10.35	0.43	0	3	0	100	0.00	0.0	9.324	0.025	0	0	0	1	L
L PC-151498	PC-153559	A	6 ACWC	6.94Y	115.7	0.00	10.35	0.43	0	3	0	100	0.00	0.0	9.407	0.083	0	0	0	1	L
L PC-145587	PC-151498	A	6 ACWC	6.94Y	115.6	0.00	10.35	0.43	0	3	0	100	0.00	0.0	9.569	0.163	0	0	0	1	L
L PC-167579	PC-167751	ABC	1/0 ACSR	6.95Y	115.8	0.04	10.16	34.34	15	708	111	99	0.22	0.0	8.952	0.069	0	0	0	101	L
L PC-167752	PC-167579	ABC	1/0 ACSR	6.95Y	115.8	0.03	10.20	34.34	15	707	111	99	0.17	0.0	9.006	0.054	0	0	0	101	L
L PC-167749	PC-167752	ABC	1/0 ACSR	6.95Y	115.8	0.05	10.25	34.34	15	707	111	99	0.29	0.0	9.099	0.093	0	0	0	101	L
L PC-162092	PC-167749	ABC	1/0 ACSR	6.94Y	115.7	0.05	10.30	33.24	14	684	107	99	0.25	0.0	9.183	0.084	0	0	0	97	L
L PC-175845	PC-162092	ABC	1/0 ACSR	6.94Y	115.7	0.04	10.34	31.35	14	645	101	99	0.21	0.0	9.262	0.079	0	0	0	90	L
L PC-167565	PC-175845	ABC	1/0 ACSR	6.94Y	115.7	0.01	10.35	30.93	13	636	99	99	0.06	0.0	9.285	0.023	0	0	0	89	L
L PC-167754	PC-167565	ABC	1/0 ACSR	6.94Y	115.6	0.05	10.40	30.93	13	636	99	99	0.25	0.0	9.382	0.097	0	0	0	89	L
L PC-167753	PC-167754	C	2 ACSR	6.94Y	115.6	0.00	10.40	1.32	1	9	1	99	0.00	0.0	9.448	0.066	0	0	0	1	L
L PC-167584	PC-167754	A	4 ACSR	6.94Y	115.6	0.00	10.40	6.02	4	41	6	99	0.00	0.0	9.388	0.006	0	0	0	6	L
L PC-167583	PC-167584	A	4 ACSR	6.94Y	115.6	0.01	10.41	6.02	4	41	6	99	0.00	0.0	9.427	0.039	0	0	0	6	L

Balanced Voltage Drop Report
Source: VAN_ARSDELL

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\BASE WINTER SUB ALLOCATION.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L PC-153218	PC-167583	A	4 ACSR	6.93Y	115.6	0.02	10.43	6.02	4	41	6	99	0.01	0.0	9.484	0.057	0	0	0	6	L
L PC-153277	PC-153218	A	4 ACSR	6.93Y	115.6	0.00	10.43	2.06	1	14	2	99	0.00	0.0	9.518	0.035	0	0	0	1	L
L PC-153276	PC-153218	A	2 ACSR	6.93Y	115.6	0.01	10.43	3.96	2	27	4	99	0.00	0.0	9.543	0.059	0	0	0	5	L
L PC-161322	PC-153276	A	2 ACSR	6.93Y	115.6	0.00	10.44	2.55	1	17	3	98	0.00	0.0	9.589	0.046	0	0	0	4	L
L PC-161320	PC-161322	A	2 ACSR	6.93Y	115.6	0.01	10.44	2.55	1	17	3	98	0.00	0.0	9.684	0.096	0	0	0	4	L
L PC-157539	PC-161320	A	1/0 URD PR	6.93Y	115.6	0.00	10.45	2.55	1	17	3	98	0.00	0.0	9.690	0.006	0	0	0	4	L
L PC-156469	PC-157539	A	1/0 URD PR	6.93Y	115.5	0.01	10.46	2.55	1	17	3	98	0.00	0.0	9.831	0.141	0	0	0	4	L
L PC-152101	PC-156469	A	1/0 URD PR	6.93Y	115.5	0.00	10.46	0.96	1	7	1	99	0.00	0.0	9.864	0.033	0	0	0	2	L
L PC-152084	PC-152101	A	1/0 URD PR	6.93Y	115.5	0.00	10.46	0.96	1	7	1	99	0.00	0.0	9.930	0.065	0	0	0	2	L
L PC-161321	PC-153276	A	2 ACSR	6.93Y	115.6	0.00	10.44	1.41	1	10	1	100	0.00	0.0	9.594	0.051	0	0	0	1	L
L PC-161319	PC-161321	A	2 ACSR	6.93Y	115.6	0.00	10.44	1.41	1	10	1	100	0.00	0.0	9.622	0.028	0	0	0	1	L
L PC-167581	PC-167754	ABC	1/0 ACSR	6.93Y	115.6	0.03	10.43	28.28	12	581	91	99	0.14	0.0	9.446	0.064	0	0	0	81	L
L PC-167585	PC-167581	ABC	1/0 ACSR	6.93Y	115.5	0.03	10.46	28.28	12	581	90	99	0.13	0.0	9.507	0.061	0	0	0	81	L
L PC-167582	PC-167585	A	4 ACSR	6.93Y	115.5	0.00	10.46	2.04	1	14	2	99	0.00	0.0	9.514	0.006	0	0	0	2	L
L PC-175846	PC-167582	A	4 ACSR	6.93Y	115.5	0.01	10.46	2.04	1	14	2	99	0.00	0.0	9.570	0.056	0	0	0	2	L
L PC-105883	PC-175846	A	4 ACSR	6.93Y	115.5	0.00	10.47	2.04	1	14	2	99	0.00	0.0	9.577	0.007	0	0	0	2	L
L PC-105226	PC-105883	A	4 ACSR	6.93Y	115.5	0.00	10.47	0.47	0	3	0	100	0.00	0.0	9.607	0.030	0	0	0	1	L
L PC-153145	PC-167585	ABC	1/0 ACSR	6.93Y	115.5	0.03	10.49	27.24	12	560	87	99	0.13	0.0	9.573	0.066	0	0	0	78	L
L PC-107513	PC-153145	ABC	1/0 ACSR	6.93Y	115.5	0.01	10.50	26.87	12	552	86	99	0.06	0.0	9.603	0.029	0	0	0	77	L
L PC-98344	PC-107513	ABC	1/0 ACSR	6.93Y	115.5	0.02	10.52	26.60	12	546	85	99	0.08	0.0	9.643	0.041	0	0	0	76	L
L PC-175847	PC-98344	ABC	1/0 ACSR	6.93Y	115.4	0.03	10.55	26.55	12	545	85	99	0.14	0.0	9.718	0.075	0	0	0	75	L
L PC-175848	PC-175847	ABC	1/0 ACSR	6.93Y	115.4	0.02	10.58	26.55	12	545	84	99	0.10	0.0	9.771	0.053	0	0	0	75	L
L PC-153144	PC-175848	A	4 ACSR	6.93Y	115.4	0.00	10.58	0.68	0	5	1	98	0.00	0.0	9.828	0.056	0	0	0	1	L
L PC-152933	PC-175848	ABC	1/0 ACSR	6.92Y	115.4	0.02	10.60	26.32	11	540	84	99	0.09	0.0	9.820	0.048	0	0	0	74	L
L PC-152971	PC-152933	C	4 ACSR	6.92Y	115.4	0.01	10.61	3.98	3	27	4	99	0.00	0.0	9.895	0.075	0	0	0	2	L
L PC-152844	PC-152971	C	4 ACSR	6.92Y	115.4	0.02	10.63	3.98	3	27	4	99	0.00	0.0	10.006	0.112	0	0	0	2	L
L PC-152845	PC-152844	C	4 ACSR	6.92Y	115.4	0.00	10.64	2.70	2	19	3	99	0.00	0.0	10.046	0.040	0	0	0	1	L
L PC-152618	PC-152845	C	4 ACSR	6.92Y	115.4	0.00	10.64	2.70	2	19	3	99	0.00	0.0	10.086	0.040	0	0	0	1	L
L PC-152934	PC-152844	C	4 ACSR	6.92Y	115.4	0.00	10.63	1.28	1	9	1	99	0.00	0.0	10.057	0.051	0	0	0	1	L
L PC-103662	PC-152934	C	4 ACSR	6.92Y	115.4	0.01	10.64	1.28	1	9	1	99	0.00	0.0	10.147	0.090	0	0	0	1	L
L PC-98058	PC-103662	C	4 ACSR	6.92Y	115.4	0.00	10.64	1.28	1	9	1	99	0.00	0.0	10.188	0.040	0	0	0	1	L
L PC-152552	PC-152933	ABC	1/0 ACSR	6.92Y	115.4	0.02	10.61	25.00	11	513	79	99	0.06	0.0	9.859	0.039	0	0	0	72	L
L PC-167586	PC-152552	ABC	1/0 ACSR	6.92Y	115.4	0.03	10.65	24.68	11	507	78	99	0.12	0.0	9.933	0.074	0	0	0	71	L
L PC-167755	PC-167586	ABC	1/0 ACSR	6.92Y	115.3	0.01	10.66	24.07	10	494	76	99	0.06	0.0	9.970	0.037	0	0	0	68	L
L PC-167622	PC-167755	ABC	1/0 ACSR	6.92Y	115.3	0.01	10.67	24.07	10	494	76	99	0.05	0.0	10.003	0.034	0	0	0	68	L
L PC-162090	PC-167622	ABC	1/0 ACSR	6.92Y	115.3	0.02	10.69	23.79	10	488	75	99	0.08	0.0	10.054	0.050	0	0	0	66	L
L PC-161966	PC-162090	ABC	1/0 ACSR	6.92Y	115.3	0.01	10.71	23.46	10	481	74	99	0.05	0.0	10.091	0.037	0	0	0	65	L
L PC-161965	PC-161966	ABC	1/0 ACSR	6.92Y	115.3	0.03	10.74	21.87	10	449	69	99	0.11	0.0	10.179	0.089	0	0	0	61	L
L PC-162089	PC-161965	C	1/0 ACSR	6.92Y	115.3	0.00	10.74	0.00	0	0	0	100	0.00	0.0	10.246	0.067	0	0	0	1	L
L PC-162085	PC-161965	C	4 ACSR	6.92Y	115.3	0.00	10.74	0.31	0	2	0	100	0.00	0.0	10.224	0.045	0	0	0	1	L
L PC-157529	PC-161965	ABC	1/0 ACSR	6.91Y	115.2	0.02	10.76	21.76	9	446	69	99	0.08	0.0	10.239	0.060	0	0	0	59	L
L PC-159347	PC-157529	A	1/0 URD PR	6.91Y	115.2	0.00	10.76	0.85	1	6	1	99	0.00	0.0	10.245	0.006	0	0	0	2	L
L PC-159346	PC-159347	A	1/0 URD PR	6.91Y	115.2	0.00	10.76	0.85	1	6	1	99	0.00	0.0	10.264	0.019	0	0	0	2	L
L PC-153090	PC-157529	ABC	1/0 ACSR	6.91Y	115.2	0.03	10.80	20.61	9	422	65	99	0.11	0.0	10.338	0.099	0	0	0	55	L
L PC-167756	PC-153090	C	1/0 ACSR	6.91Y	115.2	0.00	10.80	2.18	1	15	2	99	0.00	0.0	10.377	0.039	0	0	0	2	L
L PC-153273	PC-153090	C	4 ACSR	6.91Y	115.2	0.01	10.80	4.69	3	32	5	99	0.00	0.0	10.363	0.025	0	0	0	4	L
L PC-153274	PC-153273	C	4 ACSR	6.91Y	115.2	0.01	10.81	4.69	3	32	5	99	0.00	0.0	10.388	0.025	0	0	0	4	L
L PC-99375	PC-153274	C	4 ACSR	6.91Y	115.2	0.01	10.81	2.14	2	15	2	99	0.00	0.0	10.446	0.057	0	0	0	2	L
L PC-153272	PC-153090	ABC	1/0 ACSR	6.91Y	115.2	0.02	10.82	18.32	8	375	58	99	0.06	0.0	10.406	0.068	0	0	0	48	L
L PC-99744	PC-153272	ABC	1/0 ACSR	6.91Y	115.2	0.01	10.83	12.91	6	264	41	99	0.02	0.0	10.443	0.037	0	0	0	35	L
L PC-157528	PC-99744	ABC	1/0 ACSR	6.91Y	115.2	0.02	10.85	12.23	5	251	39	99	0.04	0.0	10.544	0.101	0	0	0	33	L
L PC-161969	PC-157528	A	6 ACWC	6.91Y	115.1	0.01	10.85	9.59	7	66	10	99	0.00	0.0	10.560	0.017	0	0	0	10	L
L PC-152974	PC-161969	A	6 ACWC	6.91Y	115.1	0.02	10.87	9.24	7	63	10	99	0.01	0.0	10.607	0.047	0	0	0	9	L
L PC-152619	PC-152974	A	6 ACWC	6.91Y	115.1	0.03	10.90	8.25	6	56	9	99	0.01	0.0	10.682	0.075	0	0	0	7	L
L PC-166241	PC-152619	A	6 ACWC	6.90Y	115.1	0.02	10.92	8.25	6	56	9	99	0.01	0.0	10.746	0.064	0	0	0	7	L
L PC-166224	PC-166241	A	4 ACSR	6.90Y	115.1	0.00	10.92	0.52	0	4	1	97	0.00	0.0	10.820	0.074	0	0	0	1	L
L PC-98872	PC-166241	A	6 ACWC	6.90Y	115.0	0.03	10.96	7.72	6	53	8	99	0.01	0.0	10.842	0.096	0	0	0	6	L
L PC-175550	PC-98872	A	6 ACWC	6.90Y	115.0	0.02	10.98	5.47	4	37	6	99	0.01	0.0	10.943	0.101	0	0	0	4	L
L PC-159453	PC-175550	A	2 ACSR	6.90Y	115.0	0.01	10.99	2.97	2	20	3	99	0.00	0.0	11.012	0.070	0	0	0	2	L
L PC-98383	PC-175550	A	6 ACWC	6.90Y	115.0	0.01	10.99	2.50	2	17	3	98	0.00	0.0	11.033	0.090	0	0	0	2	L
L PC-152555	PC-161969	A	2 ACSR	6.91Y	115.1	0.00	10.85	0.35	0	2	0	100	0.00	0.0	10.612	0.052	0	0	0	1	L
L PC-161968	PC-157528	C	4 ACSR	6.91Y	115.1	0.06	10.91	25.99	19	177	27	99	0.09	0.1	10.597	0.053	0	0	0	21	L
L PC-152973	PC-161968	C	4 ACSR	6.90Y	115.1	0.04	10.95	21.30	15	145	22	99	0.05	0.0	10.638	0.041	0	0	0	15	L
L PC-159349	PC-152973	C	1/0 URD PR	6.90Y	115.0	0.00	10.95	18.52	11	126	19	99	0.00	0.0	10.644	0.006	0	0	0	13	L
L PC-153045	PC-159349	C	1/0 URD PR	6.90Y	115.0	0.03	10.98	18.52	11	126	19	99	0.03	0.0	10.698	0.054	0	0	0	13	L
L PC-166946	PC-153045	C	1/0 URD PR	6.90Y	115.0	0.04	11.02	16.96	10	116	18	99	0.04	0.0	10.770	0.072	0	0	0	11	L
L PC-156467	PC-166946	C	1/0 URD PR	6.90Y	114.9	0.03	11.05	15.62	9	107	16	99	0.03	0.0	10.839	0.069	0	0	0	10	L
L PC-166947	PC-156467	C	1/0 URD PR	6.90Y	114.9	0.03	11.08	14.27	8	97	15	99	0.02	0.0	10.899	0.060	0	0	0	9	L
L PC-166944	PC-166947	C	1/0 URD PR	6.89Y	114.9	0.01	11.09	11.55	7	79	12	99	0.01	0.0	10.937	0.038	0	0	0	8	L
L PC-98702	PC-166944	C	1/0 URD PR	6.89Y	114.9	0.01	11.11	8.94	5	61	9	99	0.01	0.0	10.987	0.050	0	0	0	6	L
L PC-104411	PC-98702	C	1/0 URD PR	6.89Y	114.9	0.00	11.11	2.20	1	15	2	99	0.00	0.0	11.054	0.068	0	0	0	1	L
L PC-97385	PC-104411	C	1/0 URD PR	6.89Y	114.9	0.00	11.11	0.00	0	0	0	100	0.00	0.0	11.063	0.009	0	0	0	0	L
L PC-98810	PC-97385	C	1/0 URD PR	6.89Y	114.9	0.00	11.11	0.00	0	0	0	100	0.00	0.0	11.092	0.029	0	0	0	0	L
L PC-101439	PC-98810	C	1/0 URD PR	6.89Y	114.9	0.00	11.11	0.00	0	0	0	100	0.00	0.0	11.101	0.009	0	0	0	0	L
L PC-181138	PC-101439	C	1/0 URD PR	6.89Y	114.9	0.00	11.11	0.00	0	0	0	100	0.00	0.0	11.171	0.070	0	0	0	0	L
L PC-100547	PC-181138	C	1/0 URD PR	6.89Y	114.9	0.00	11.11	0.00	0	0	0	100	0.00	0.0	11.182	0.011	0	0	0	0	L
L PC-98220	PC-98702	C	1/0 URD PR	6.89Y	114.9	0.01	11.11	6.74	4	46	7	99	0.00	0.0	11.025	0.039	0	0	0	5	L
L PC-166945	PC-98220	C	1/0 URD PR	6.89Y	114.9	0.00	11.12	6.74	4	46	7	99	0.00	0.0	11.037	0.012	0	0	0	5	L
L PC-163207	PC-166945	C	1/0 URD PR	6.89Y	114.9	0.01	11.12	2.20	1	15	2	99	0.00	0.0	11.111	0.074	0	0	0	2	L
L PC-156455	PC-163207	C	1/0 URD PR	6.89Y	114.9	0.00	11.12	1.51	1	10	2	98	0.00	0.0	11.124	0.013	0	0	0	1	L

Balanced Voltage Drop Report
Source: VAN_ARSDELL

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\BASE WINTER SUB ALLOCATION.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L PC-156456	PC-156455	C	1/0 URD PR	6.89Y	114.9	0.00	11.12	0.00	0	0	0	100	0.00	0.0	11.150	0.026	0	0	0	0	L
L PC-156457	PC-156456	C	1/0 URD PR	6.89Y	114.9	0.00	11.12	0.00	0	0	0	100	0.00	0.0	11.155	0.005	0	0	0	0	L
L PC-152553	PC-152973	C	4 ACSR	6.90Y	115.0	0.01	10.95	2.78	2	19	3	99	0.00	0.0	10.691	0.053	0	0	0	2	L
L PC-152620	PC-152553	C	4 ACSR	6.90Y	115.0	0.00	10.96	2.26	2	15	2	99	0.00	0.0	10.730	0.040	0	0	0	1	L
L PC-100708	PC-152620	C	4 ACSR	6.90Y	115.0	0.01	10.96	2.26	2	15	2	99	0.00	0.0	10.791	0.061	0	0	0	1	L
L PC-152554	PC-161968	C	4 ACSR	6.90Y	115.1	0.01	10.92	4.69	3	32	5	99	0.00	0.0	10.640	0.043	0	0	0	6	L
L PC-100182	PC-152554	C	4 ACSR	6.90Y	115.1	0.02	10.94	4.69	3	32	5	99	0.00	0.0	10.727	0.087	0	0	0	6	L
L PC-100832	PC-100182	C	4 ACSR	6.90Y	115.1	0.01	10.94	3.89	3	27	4	99	0.00	0.0	10.757	0.030	0	0	0	5	L
L PC-168309	PC-100832	C	4 ACSR	6.90Y	115.0	0.01	10.95	3.64	3	25	4	99	0.00	0.0	10.822	0.064	0	0	0	4	L
L PC-101330	PC-168309	C	4 ACSR	6.90Y	115.0	0.00	10.95	1.28	1	9	1	99	0.00	0.0	10.860	0.038	0	0	0	3	L
L PC-168346	PC-101330	C	4 ACSR	6.90Y	115.0	0.00	10.96	1.28	1	9	1	99	0.00	0.0	10.908	0.049	0	0	0	2	L
L PC-105885	PC-168346	C	4 ACSR	6.90Y	115.0	0.00	10.96	0.76	1	5	1	98	0.00	0.0	10.952	0.044	0	0	0	1	L
L PC-105884	PC-168346	C	4 ACSR	6.90Y	115.0	0.00	10.96	0.51	0	4	1	97	0.00	0.0	10.918	0.010	0	0	0	1	L
L PC-104479	PC-105884	C	4 ACSR	6.90Y	115.0	0.00	10.96	0.51	0	4	1	97	0.00	0.0	10.960	0.042	0	0	0	1	L
L PC-104480	PC-104479	C	4 ACSR	6.90Y	115.0	0.00	10.96	0.51	0	4	1	97	0.00	0.0	11.012	0.052	0	0	0	1	L
L PC-98166	PC-153272	C	2 ACSR	6.91Y	115.2	0.02	10.84	16.23	9	111	17	99	0.02	0.0	10.456	0.050	0	0	0	13	L
L PC-93288	PC-98166	C	2 ACSR	6.91Y	115.1	0.01	10.85	15.54	9	106	16	99	0.01	0.0	10.481	0.024	0	0	0	12	L
L PC-101489	PC-93288	C	2 ACSR	6.91Y	115.1	0.00	10.86	14.60	8	100	15	99	0.00	0.0	10.488	0.007	0	0	0	11	L
L PC-162086	PC-101489	C	2 ACSR	6.91Y	115.1	0.02	10.88	14.46	8	99	15	99	0.02	0.0	10.539	0.051	0	0	0	10	L
L PC-156468	PC-162086	C	1/0 URD PR	6.91Y	115.1	0.00	10.88	1.20	1	8	1	99	0.00	0.0	10.544	0.006	0	0	0	1	L
L PC-153861	PC-156468	C	1/0 URD PR	6.91Y	115.1	0.00	10.88	1.20	1	8	1	99	0.00	0.0	10.598	0.054	0	0	0	1	L
L PC-96929	PC-162086	C	2 ACSR	6.91Y	115.1	0.02	10.90	13.25	7	90	14	99	0.02	0.0	10.599	0.061	0	0	0	8	L
L PC-153182	PC-96929	C	1/0 URD PR	6.91Y	115.1	0.00	10.90	0.00	0	0	0	100	0.00	0.0	10.605	0.006	0	0	0	0	L
L PC-153931	PC-153182	C	1/0 URD PR	6.91Y	115.1	0.00	10.90	0.00	0	0	0	100	0.00	0.0	10.625	0.020	0	0	0	0	L
L PC-95640	PC-96929	C	2 ACSR	6.90Y	115.1	0.02	10.92	11.79	7	80	12	99	0.01	0.0	10.656	0.057	0	0	0	7	L
L PC-152248	PC-95640	C	1/0 URD PR	6.90Y	115.1	0.00	10.92	1.42	1	10	1	100	0.00	0.0	10.662	0.006	0	0	0	1	L
L PC-157537	PC-152248	C	1/0 URD PR	6.90Y	115.1	0.00	10.93	1.42	1	10	1	100	0.00	0.0	10.677	0.015	0	0	0	1	L
L PC-95623	PC-95640	C	2 ACSR	6.90Y	115.1	0.01	10.93	10.37	6	71	11	99	0.01	0.0	10.685	0.029	0	0	0	6	L
L PC-152551	PC-95623	C	2 ACSR	6.90Y	115.1	0.01	10.94	8.64	5	59	9	99	0.00	0.0	10.716	0.031	0	0	0	5	L
L PC-162087	PC-152551	C	2 ACSR	6.90Y	115.0	0.02	10.96	6.97	4	48	7	99	0.01	0.0	10.797	0.080	0	0	0	4	L
L PC-159348	PC-162087	C	1/0 URD PR	6.90Y	115.0	0.01	10.97	6.97	4	48	7	99	0.00	0.0	10.826	0.029	0	0	0	4	L
L PC-159660	PC-159348	C	1/0 URD PR	6.90Y	115.0	0.00	10.97	3.16	2	22	3	99	0.00	0.0	10.828	0.002	0	0	0	2	L
L PC-153044	PC-159660	C	1/0 URD PR	6.90Y	115.0	0.00	10.97	3.16	2	22	3	99	0.00	0.0	10.836	0.008	0	0	0	2	L
L PC-153214	PC-162087	C	2 ACSR	6.90Y	115.0	0.00	10.96	0.00	0	0	0	100	0.00	0.0	10.873	0.076	0	0	0	0	L
L PC-153216	PC-157529	C	4 ACSR	6.91Y	115.2	0.01	10.77	2.62	2	18	3	99	0.00	0.0	10.315	0.076	0	0	0	2	L
L PC-100013	PC-153216	C	4 ACSR	6.91Y	115.2	0.01	10.78	2.62	2	18	3	99	0.00	0.0	10.378	0.062	0	0	0	2	L
L PC-100011	PC-100013	C	4 ACSR	6.91Y	115.2	0.00	10.78	1.34	1	9	1	99	0.00	0.0	10.441	0.063	0	0	0	1	L
L PC-153275	PC-100011	C	4 ACSR	6.91Y	115.2	0.00	10.79	1.34	1	9	1	99	0.00	0.0	10.497	0.056	0	0	0	1	L
L PC-153348	PC-161966	B	4 ACSR	6.92Y	115.3	0.02	10.72	4.79	3	33	5	99	0.00	0.0	10.168	0.077	0	0	0	4	L
L PC-162091	PC-153348	B	4 ACSR	6.92Y	115.3	0.01	10.74	4.28	3	29	4	99	0.00	0.0	10.224	0.056	0	0	0	3	L
L PC-153368	PC-162091	B	4 ACSR	6.92Y	115.3	0.00	10.74	3.12	2	21	3	99	0.00	0.0	10.252	0.028	0	0	0	2	L
L PC-152972	PC-153368	B	4 ACSR	6.92Y	115.3	0.00	10.74	1.17	1	8	1	99	0.00	0.0	10.282	0.030	0	0	0	1	L
L PC-167587	PC-167586	A	4 ACSR	6.92Y	115.4	0.00	10.65	1.25	1	9	1	99	0.00	0.0	10.007	0.075	0	0	0	2	L
L PC-98288	PC-98344	A	4 ACSR	6.93Y	115.5	0.00	10.52	0.00	0	0	0	100	0.00	0.0	9.699	0.056	0	0	0	0	L
L PC-153150	PC-167585	C	4 ACSR	6.93Y	115.5	0.00	10.46	1.08	1	7	1	99	0.00	0.0	9.563	0.056	0	0	0	1	L
L PC-152939	PC-153150	C	4 ACSR	6.93Y	115.5	0.00	10.47	1.08	1	7	1	99	0.00	0.0	9.653	0.090	0	0	0	1	L
L PC-175843	PC-162092	C	6 ACWC	6.94Y	115.7	0.00	10.30	0.82	1	6	1	99	0.00	0.0	9.191	0.008	0	0	0	1	L
L PC-175844	PC-175843	C	6 ACWC	6.94Y	115.7	0.00	10.30	0.82	1	6	1	99	0.00	0.0	9.196	0.005	0	0	0	1	L
L PC-167564	PC-175844	C	6 ACWC	6.94Y	115.7	0.00	10.30	0.82	1	6	1	99	0.00	0.0	9.247	0.051	0	0	0	1	L
L PC-153237	PC-167564	C	6 ACWC	6.94Y	115.7	0.00	10.30	0.82	1	6	1	99	0.00	0.0	9.361	0.114	0	0	0	1	L
L PC-152701	PC-153237	C	6 ACWC	6.94Y	115.7	0.00	10.30	0.82	1	6	1	99	0.00	0.0	9.407	0.046	0	0	0	1	L
L PC-153219	PC-152701	C	6 ACWC	6.94Y	115.7	0.00	10.30	0.00	0	0	0	100	0.00	0.0	9.495	0.088	0	0	0	0	L
L PC-167580	PC-162092	A	2 ACSR	6.94Y	115.7	0.00	10.30	4.86	3	33	5	99	0.00	0.0	9.190	0.007	0	0	0	6	L
L PC-167563	PC-167580	A	2 ACSR	6.94Y	115.7	0.00	10.30	4.86	3	33	5	99	0.00	0.0	9.211	0.021	0	0	0	6	L
L PC-153349	PC-167563	A	2 ACSR	6.94Y	115.7	0.00	10.30	4.84	3	33	5	99	0.00	0.0	9.244	0.033	0	0	0	5	L
L PC-162783	PC-153349	A	2 ACSR	6.94Y	115.7	0.00	10.31	3.89	2	27	4	99	0.00	0.0	9.269	0.025	0	0	0	3	L
L PC-176867	PC-162783	A	2 ACSR	6.94Y	115.7	0.01	10.32	3.89	2	27	4	99	0.00	0.0	9.361	0.091	0	0	0	3	L
L PC-162784	PC-176867	A	1/0 URD PR	6.94Y	115.7	0.01	10.33	3.89	2	27	4	99	0.00	0.0	9.422	0.061	0	0	0	3	L
L PC-153215	PC-153349	A	2 ACSR	6.94Y	115.7	0.00	10.31	0.95	1	7	1	99	0.00	0.0	9.311	0.067	0	0	0	2	L
L PC-153279	PC-167749	C	4 ACSR	6.94Y	115.7	0.01	10.26	3.29	2	23	3	99	0.00	0.0	9.180	0.081	0	0	0	4	L
L PC-153282	PC-153279	C	4 ACSR	6.94Y	115.7	0.00	10.26	2.28	2	16	2	99	0.00	0.0	9.197	0.017	0	0	0	3	L
L PC-153373	PC-153282	C	4 ACSR	6.94Y	115.7	0.00	10.26	0.82	1	6	1	99	0.00	0.0	9.219	0.022	0	0	0	1	L
L PC-153371	PC-153373	C	4 ACSR	6.94Y	115.7	0.00	10.26	0.82	1	6	1	99	0.00	0.0	9.254	0.035	0	0	0	1	L
L PC-145569	PC-145588	C	4 ACSR	6.97Y	116.1	0.00	9.88	1.18	1	8	1	99	0.00	0.0	8.551	0.044	0	0	0	1	L
L PC-100549	PC-163568	A	2 ACSR	6.97Y	116.2	0.00	9.76	0.07	0	0	0	100	0.00	0.0	8.332	0.002	0	0	0	1	L
L PC-101459	PC-100549	A	2 ACSR	6.97Y	116.2	0.00	9.76	0.07	0	0	0	100	0.00	0.0	8.335	0.002	0	0	0	1	L
L PC-153350	PC-101459	A	2 ACSR	6.97Y	116.2	0.00	9.76	0.07	0	0	0	100	0.00	0.0	8.430	0.095	0	0	0	1	L
L PC-161967	PC-153350	A	2 ACSR	6.97Y	116.2	0.00	9.76	0.07	0	0	0	100	0.00	0.0	8.526	0.096	0	0	0	1	L
L PC-152725	PC-153390	A	2 ACSR	7.02Y	117.0	0.10	9.05	36.16	20	251	40	99	0.19	0.1	7.396	0.090	0	0	0	41	L
L PC-163521	PC-152725	A	4 ACSR	7.02Y	117.0	0.00	9.05	0.00	0	0	0	100	0.00	0.0	7.425	0.029	0	0	0	0	L
L PC-153889	PC-163521	A	4 ACSR	7.02Y	117.0	0.00	9.05	0.00	0	0	0	100	0.00	0.0	7.568	0.142	0	0	0	0	L
L PC-149703	PC-153889	A	4 ACSR	7.02Y	117.0	0.00	9.05	0.00	0	0	0	100	0.00	0.0	7.669	0.101	0	0	0	0	L
L PC-153772	PC-149703	A	4 ACSR	7.02Y	117.0	0.00	9.05	0.00	0	0	0	100	0.00	0.0	7.724	0.055	0	0	0	0	L
L PC-153288	PC-152725	A	2 ACSR	7.01Y	116.9	0.09	9.14	36.16	20	251	40	99	0.18	0.1	7.481	0.084	0	0	0	41	L
L PC-153562	PC-153288	A	2 ACSR	7.01Y	116.8	0.11	9.25	36.16	20	250	39	99	0.22	0.1	7.581	0.100	0	0	0	41	L
L PC-153388	PC-153562	A	2 ACSR	7.00Y	116.7	0.09	9.34	36.16	20	250	39	99	0.18	0.1	7.665	0.084	0	0	0	41	L
L PC-163520	PC-153388	A	2 ACSR	7.00Y	116.6	0.07	9.42	35.15	20	243	38	99	0.14	0.1	7.734	0.069	0	0	0	40	L
L PC-162084	PC-163520	A	2 ACSR	6.99Y	116.5	0.09	9.50	35.15	20	243	38	99	0.16	0.1	7.814	0.079	0	0	0	40	L
L PC-153251	PC-162084	A	2 ACSR	6.99Y	116.5	0.04	9.54	35.15	20	243	38	99	0.07	0.0	7.850	0.036	0	0	0	40	L
L PC-150843	PC-153251	A	2 ACSR	6.98Y	116.4	0.07	9.61	35.15	20	243	38	99	0.13	0.1	7.914	0.064	0	0	0	40	L

Balanced Voltage Drop Report
Source: VAN_ARSDELL

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\BASE WINTER SUB ALLOCATION.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L PC-148046	PC-150843	A	2 ACSR	6.98Y	116.3	0.07	9.68	35.15	20	243	38	99	0.14	0.1	7.983	0.069	0	0	0	40	L
L PC-147964	PC-148046	A	2 ACSR	6.97Y	116.2	0.07	9.76	35.15	20	242	38	99	0.14	0.1	8.051	0.068	0	0	0	40	L
L PC-153581	PC-147964	A	4 ACSR	6.97Y	116.1	0.11	9.87	23.61	17	163	25	99	0.14	0.1	8.155	0.104	0	0	0	21	L
L PC-157350	PC-153581	A	4 ACSR	6.96Y	116.0	0.10	9.97	23.61	17	163	25	99	0.13	0.1	8.251	0.096	0	0	0	21	L
L PC-149472	PC-157350	A	4 ACSR	6.96Y	115.9	0.09	10.06	23.61	17	162	25	99	0.12	0.1	8.335	0.084	0	0	0	21	L
L PC-153823	PC-149472	A	4 ACSR	6.95Y	115.9	0.07	10.13	23.61	17	162	25	99	0.10	0.1	8.405	0.070	0	0	0	21	L
L PC-163638	PC-153823	A	4 ACSR	6.95Y	115.8	0.06	10.19	16.65	12	114	18	99	0.06	0.1	8.490	0.085	0	0	0	20	L
L PC-165644	PC-163638	A	2 ACSR	6.95Y	115.8	0.01	10.21	5.55	3	38	6	99	0.00	0.0	8.569	0.079	0	0	0	7	L
L PC-165685	PC-165644	A	2 ACSR	6.95Y	115.8	0.01	10.22	5.16	3	35	5	99	0.00	0.0	8.654	0.085	0	0	0	6	L
L PC-174088	PC-165685	A	2 ACSR	6.95Y	115.8	0.01	10.23	3.89	2	27	4	99	0.00	0.0	8.732	0.079	0	0	0	5	L
L PC-161656	PC-174088	A	2 ACSR	6.95Y	115.8	0.01	10.23	3.89	2	27	4	99	0.00	0.0	8.789	0.056	0	0	0	5	L
L PC-174272	PC-161656	A	2 ACSR	6.95Y	115.8	0.00	10.24	2.86	2	20	3	99	0.00	0.0	8.834	0.046	0	0	0	4	L
L PC-161655	PC-174272	A	2 ACSR	6.95Y	115.8	0.01	10.25	2.86	2	20	3	99	0.00	0.0	8.944	0.110	0	0	0	4	L
L PC-151604	PC-161655	A	2 ACSR	6.94Y	115.7	0.01	10.25	2.85	2	20	3	99	0.00	0.0	9.010	0.066	0	0	0	3	L
L PC-153290	PC-151604	A	2 ACSR	6.94Y	115.7	0.00	10.25	1.77	1	12	2	99	0.00	0.0	9.023	0.013	0	0	0	2	L
L PC-152724	PC-153290	A	2 ACSR	6.94Y	115.7	0.00	10.26	1.77	1	12	2	99	0.00	0.0	9.115	0.092	0	0	0	2	L
L PC-163517	PC-152724	A	2 ACSR	6.94Y	115.7	0.00	10.26	1.77	1	12	2	99	0.00	0.0	9.121	0.007	0	0	0	2	L
L PC-153213	PC-163517	A	2 ACSR	6.94Y	115.7	0.00	10.26	1.77	1	12	2	99	0.00	0.0	9.204	0.082	0	0	0	2	L
L PC-153384	PC-153213	A	2 ACSR	6.94Y	115.7	0.00	10.27	1.77	1	12	2	99	0.00	0.0	9.246	0.042	0	0	0	2	L
L PC-161879	PC-165685	A	1/0 URD PR	6.95Y	115.8	0.00	10.22	1.27	1	9	1	99	0.00	0.0	8.701	0.047	0	0	0	1	L
L PC-153825	PC-165644	A	2 ACSR	6.95Y	115.8	0.00	10.21	0.39	0	3	0	100	0.00	0.0	8.608	0.040	0	0	0	1	L
L PC-153816	PC-163638	A	4 ACSR	6.95Y	115.8	0.03	10.22	9.24	7	63	10	99	0.01	0.0	8.552	0.062	0	0	0	12	L
L PC-153817	PC-153816	A	4 ACSR	6.94Y	115.7	0.04	10.26	6.92	5	48	7	99	0.02	0.0	8.679	0.127	0	0	0	11	L
L PC-153885	PC-153817	A	2 ACSR	6.94Y	115.7	0.00	10.26	0.00	0	0	0	100	0.00	0.0	8.715	0.037	0	0	0	0	L
L PC-153156	PC-153817	A	4 ACSR	6.94Y	115.7	0.03	10.28	6.92	5	48	7	99	0.01	0.0	8.771	0.092	0	0	0	11	L
L PC-153877	PC-153156	A	4 ACSR	6.94Y	115.7	0.02	10.31	6.14	4	42	6	99	0.01	0.0	8.845	0.074	0	0	0	10	L
L PC-163632	PC-153877	A	4 ACSR	6.94Y	115.7	0.01	10.31	2.43	2	17	3	98	0.00	0.0	8.920	0.075	0	0	0	5	L
L PC-153567	PC-163632	A	4 ACSR	6.94Y	115.7	0.01	10.32	1.83	1	13	2	99	0.00	0.0	8.985	0.065	0	0	0	2	L
L PC-150831	PC-153567	A	4 ACSR	6.94Y	115.7	0.00	10.32	0.00	0	0	0	100	0.00	0.0	9.047	0.062	0	0	0	0	L
L PC-157523	PC-150831	A	4 ACSR	6.94Y	115.7	0.00	10.32	0.00	0	0	0	100	0.00	0.0	9.108	0.061	0	0	0	0	L
L S383-A	PC-157523	A	Open	6.94Y	115.7	0.00	10.32	0.00	0	0	0	100	0.00	0.0	9.108	0.061	0	0	0	0	L
L PC-151396	PC-163632	A	4 ACSR	6.94Y	115.7	0.00	10.32	0.60	0	4	1	97	0.00	0.0	9.025	0.104	0	0	0	3	L
L PC-153826	PC-151396	A	4 ACSR	6.94Y	115.7	0.00	10.32	0.60	0	4	1	97	0.00	0.0	9.099	0.075	0	0	0	3	L
L PC-151506	PC-153826	A	4 ACSR	6.94Y	115.7	0.00	10.32	0.60	0	4	1	97	0.00	0.0	9.162	0.063	0	0	0	3	L
L PC-157527	PC-151506	A	4 ACSR	6.94Y	115.7	0.00	10.32	0.57	0	4	1	97	0.00	0.0	9.241	0.079	0	0	0	2	L
L PC-149021	PC-157527	A	4 ACSR	6.94Y	115.7	0.00	10.32	0.07	0	0	0	100	0.00	0.0	9.286	0.045	0	0	0	1	L
L PC-151399	PC-149021	A	4 ACSR	6.94Y	115.7	0.00	10.32	0.07	0	0	0	100	0.00	0.0	9.338	0.052	0	0	0	1	L
L PC-163630	PC-153877	A	2 ACSR	6.94Y	115.7	0.00	10.31	1.64	1	11	2	98	0.00	0.0	8.883	0.038	0	0	0	2	L
L PC-163575	PC-163630	A	2 ACSR	6.94Y	115.7	0.00	10.31	1.52	1	10	2	98	0.00	0.0	8.924	0.041	0	0	0	1	L
L PC-153798	PC-153877	A	4 ACSR	6.94Y	115.7	0.01	10.31	2.07	1	14	2	99	0.00	0.0	8.925	0.080	0	0	0	3	L
L PC-163625	PC-153798	A	4 ACSR	6.94Y	115.7	0.00	10.31	0.89	1	6	1	99	0.00	0.0	8.965	0.040	0	0	0	2	L
L PC-153878	PC-163625	A	4 ACSR	6.94Y	115.7	0.00	10.32	0.89	1	6	1	99	0.00	0.0	9.060	0.095	0	0	0	1	L
L PC-153813	PC-163625	A	4 ACSR	6.94Y	115.7	0.00	10.31	0.00	0	0	0	100	0.00	0.0	9.013	0.048	0	0	0	1	L
L PC-153797	PC-153823	A	4 ACSR	6.95Y	115.8	0.03	10.15	6.96	5	48	7	99	0.01	0.0	8.486	0.081	0	0	0	1	L
L PC-153795	PC-153797	A	4 ACSR	6.95Y	115.8	0.01	10.16	6.96	5	48	7	99	0.00	0.0	8.507	0.021	0	0	0	1	L
L PC-151237	PC-147964	A	2 ACSR	6.97Y	116.2	0.02	9.78	10.26	6	71	11	99	0.01	0.0	8.124	0.073	0	0	0	17	L
L PC-153590	PC-151237	A	2 ACSR	6.97Y	116.2	0.03	9.81	10.26	6	71	11	99	0.02	0.0	8.214	0.090	0	0	0	17	L
L PC-153385	PC-153590	A	2 ACSR	6.97Y	116.2	0.02	9.83	8.94	5	62	9	99	0.01	0.0	8.289	0.075	0	0	0	15	L
L PC-148619	PC-153385	A	2 ACSR	6.97Y	116.1	0.03	9.85	8.91	5	61	9	99	0.01	0.0	8.381	0.092	0	0	0	14	L
L PC-153381	PC-148619	A	4 ACSR	6.97Y	116.1	0.00	9.85	0.00	0	0	0	100	0.00	0.0	8.478	0.097	0	0	0	0	L
L PC-153245	PC-148619	A	2 ACSR	6.97Y	116.1	0.03	9.88	8.91	5	61	9	99	0.01	0.0	8.493	0.111	0	0	0	14	L
L PC-153346	PC-153245	A	2 ACSR	6.96Y	116.1	0.04	9.92	8.91	5	61	9	99	0.02	0.0	8.639	0.147	0	0	0	14	L
L PC-150902	PC-153346	A	4 ACSR	6.96Y	116.1	0.02	9.94	4.99	4	34	5	99	0.00	0.0	8.714	0.074	0	0	0	8	L
L PC-151893	PC-150902	A	4 ACSR	6.96Y	116.0	0.01	9.95	4.99	4	34	5	99	0.00	0.0	8.776	0.062	0	0	0	8	L
L PC-151143	PC-151893	A	4 ACSR	6.96Y	116.0	0.02	9.97	4.99	4	34	5	99	0.00	0.0	8.847	0.071	0	0	0	8	L
L PC-151722	PC-151143	A	4 ACSR	6.96Y	116.0	0.00	9.97	2.33	2	16	2	99	0.00	0.0	8.889	0.042	0	0	0	2	L
L PC-159264	PC-151722	A	4 ACSR	6.96Y	116.0	0.01	9.98	2.33	2	16	2	99	0.00	0.0	8.979	0.090	0	0	0	2	L
L PC-151723	PC-159264	A	4 ACSR	6.96Y	116.0	0.01	9.99	2.33	2	16	2	99	0.00	0.0	9.069	0.090	0	0	0	2	L
L PC-151724	PC-151723	A	4 ACSR	6.96Y	116.0	0.00	9.99	1.29	1	9	1	99	0.00	0.0	9.094	0.025	0	0	0	1	L
L PC-164021	PC-151724	A	2 ACSR	6.96Y	116.0	0.00	9.99	0.00	0	0	0	100	0.00	0.0	9.169	0.075	0	0	0	0	L
L PC-146612	PC-151724	A	4 ACSR	6.96Y	116.0	0.00	10.00	1.29	1	9	1	99	0.00	0.0	9.118	0.024	0	0	0	1	L
L PC-152303	PC-146612	A	4 ACSR	6.96Y	116.0	0.00	10.00	1.29	1	9	1	99	0.00	0.0	9.205	0.087	0	0	0	1	L
L PC-151142	PC-151143	A	4 ACSR	6.96Y	116.0	0.01	9.98	2.62	2	18	3	99	0.00	0.0	8.932	0.085	0	0	0	5	L
L PC-151731	PC-151142	A	4 ACSR	6.96Y	116.0	0.01	9.99	2.62	2	18	3	99	0.00	0.0	9.004	0.071	0	0	0	5	L
L PC-107169	PC-151731	A	4 ACSR	6.96Y	116.0	0.01	10.00	2.62	2	18	3	99	0.00	0.0	9.088	0.085	0	0	0	5	L
L PC-150696	PC-107169	A	4 ACSR	6.96Y	116.0	0.02	10.02	2.62	2	18	3	99	0.00	0.0	9.253	0.164	0	0	0	5	L
L PC-163620	PC-150696	A	4 ACSR	6.96Y	116.0	0.01	10.02	1.59	1	11	2	98	0.00	0.0	9.344	0.092	0	0	0	4	L
L PC-163621	PC-163620	A	4 ACSR	6.96Y	116.0	0.00	10.02	0.00	0	0	0	100	0.00	0.0	9.394	0.050	0	0	0	1	L
L PC-107170	PC-163620	A	4 ACSR	6.96Y	116.0	0.00	10.02	0.21	0	1	0	100	0.00	0.0	9.396	0.051	0	0	0	1	L
L PC-151115	PC-107170	A	4 ACSR	6.96Y	116.0	0.00	10.02	0.21	0	1	0	100	0.00	0.0	9.458	0.062	0	0	0	1	L
L PC-153811	PC-163620	A	4 ACSR	6.96Y	116.0	0.00	10.02	0.06	0	0	0	100	0.00	0.0	9.370	0.026	0	0	0	1	L
L PC-107514	PC-153811	A	4 ACSR	6.96Y	116.0	0.00	10.02	0.06	0	0	0	100	0.00	0.0	9.423	0.053	0	0	0	1	L
L PC-100563	PC-150696	A	4 ACSR	6.96Y	116.0	0.00	10.02	1.03	1	7	1	99	0.00	0.0	9.312	0.059	0	0	0	1	L
L PC-151116	PC-100563	A	4 ACSR	6.96Y	116.0	0.00	10.02	1.03	1	7	1	99	0.00	0.0	9.399	0.087	0	0	0	1	L
L PC-148089	PC-153346	A	2 ACSR	6.96Y	116.1	0.01	9.93	3.93	2	27	4	99	0.00	0.0	8.733	0.094	0	0	0	6	L
L PC-161308	PC-148089	A	2 ACSR	6.96Y	116.1	0.01	9.95	3.93	2	27	4	99	0.00	0.0	8.828	0.095	0	0	0	6	L
L PC-153876	PC-161308	A	2 ACSR	6.96Y	116.0	0.01	9.96	3.93	2	27	4	99	0.00	0.0	8.927	0.099	0	0	0	6	L
L PC-163618	PC-153876	A	2 ACSR	6.96Y	116.0	0.01	9.97	3.93	2	27	4	99	0.00	0.0	9.002	0.075	0	0	0	6	L
L PC-100015	PC-163618	A	2 ACSR	6.96Y	116.0	0.01	9.97	3.93	2	27	4	99	0.00	0.0	9.065	0.063	0	0	0	6	L
L PC-153764	PC-100015	A	2 ACSR	6.96Y	116.0	0.01	9.99	3.93	2	27	4	99	0.00	0.0	9.156	0.091	0	0	0	6	L

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

Balanced Voltage Drop Report
Source: VAN_ARSDELL

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\BASE WINTER SUB ALLOCATION.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L PC-163616	PC-153764	A	2 ACSR	6.96Y	116.0	0.00	9.99	1.89	1	13	2	99	0.00	0.0	9.178	0.022	0	0	0	4	L
L PC-163615	PC-163616	A	2 ACSR	6.96Y	116.0	0.00	9.99	0.07	0	0	0	100	0.00	0.0	9.215	0.037	0	0	0	2	L
L PC-157316	PC-163615	A	2 ACSR	6.96Y	116.0	0.00	9.99	0.07	0	0	0	100	0.00	0.0	9.304	0.089	0	0	0	1	L
L PC-153788	PC-153764	A	4 ACSR	6.96Y	116.0	0.00	9.99	2.03	1	14	2	99	0.00	0.0	9.197	0.042	0	0	0	2	L
L PC-163614	PC-153788	A	4 ACSR	6.96Y	116.0	0.01	9.99	2.03	1	14	2	99	0.00	0.0	9.253	0.055	0	0	0	2	L
L PC-150830	PC-163614	A	4 ACSR	6.96Y	116.0	0.00	10.00	1.66	1	11	2	98	0.00	0.0	9.276	0.023	0	0	0	1	L
L PC-155952	PC-150830	A	4 ACSR	6.96Y	116.0	0.01	10.00	1.66	1	11	2	98	0.00	0.0	9.386	0.110	0	0	0	1	L
L PC-148369	PC-153385	A	4 ACSR	6.97Y	116.2	0.00	9.83	0.03	0	0	0	100	0.00	0.0	8.354	0.065	0	0	0	1	L
L PC-148366	PC-153590	A	4 ACSR	6.97Y	116.2	0.00	9.81	0.15	0	1	0	100	0.00	0.0	8.265	0.051	0	0	0	1	L
L PC-153389	PC-148366	A	4 ACSR	6.97Y	116.2	0.00	9.81	0.15	0	1	0	100	0.00	0.0	8.363	0.098	0	0	0	1	L
L PC-147963	PC-147964	A	4 ACSR	6.97Y	116.2	0.00	9.76	1.27	1	9	1	99	0.00	0.0	8.100	0.050	0	0	0	2	L
L PC-153309	PC-147963	A	4 ACSR	6.97Y	116.2	0.00	9.76	1.27	1	9	1	99	0.00	0.0	8.160	0.060	0	0	0	2	L
L PC-151600	PC-163520	A	4 ACSR	7.00Y	116.6	0.00	9.42	0.00	0	0	0	100	0.00	0.0	7.822	0.087	0	0	0	0	L
L PC-163523	PC-151600	A	4 ACSR	7.00Y	116.6	0.00	9.42	0.00	0	0	0	100	0.00	0.0	7.911	0.089	0	0	0	0	L
L PC-153824	PC-163523	A	4 ACSR	7.00Y	116.6	0.00	9.42	0.00	0	0	0	100	0.00	0.0	7.968	0.058	0	0	0	0	L
L PC-163519	PC-153388	A	4 ACSR	7.00Y	116.7	0.01	9.35	1.02	1	7	1	99	0.00	0.0	7.781	0.116	0	0	0	1	L
L PC-156535	PC-163519	A	2 ACSR	7.00Y	116.7	0.00	9.35	0.00	0	0	0	100	0.00	0.0	7.873	0.092	0	0	0	0	L
H R23	PC-152251	C	219	7.56Y	126.0	-8.47	-0.00	72.43	33	503	90	98	percent Boost= 0.00 Tap= 0.0							124	H

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

	Load	Adjustment Capacitance	Charging	Gen&Motors Loops&Metas	Losses	No Load Losses	Total	
KW	12071	92	0	0	0	745	0.00	12909
KVAR	1847	14	-302	0	0	1010		2569

Lowest Voltage = 113.48 on Element PC-154752
Max Accm VoltD = 12.52 on Element PC-154752
Max Elem VoltD = 0.38 on Element PC-98600

Balanced Voltage Drop Report
Source: DAVIS

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\BASE WINTER SUB ALLOCATION.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
DAVIS		ABC	DAVIS	7.56Y	126.0	0.00	0.00	447.22	0	10143	0	100	0.00	0.0	0.000	0.000	0	0	0	1420	
---------- Feeder No. 0 (4-124) Beginning with Device 4-124 ----------																					
C R41	PC-110617	A	219	7.56Y	126.0	-7.70	0.00	368.42	168	2612	117	100	percent Boost= 6.11 Tap= 9.8							410	C
C PC-160923	R41	A	1/0 ACSR	7.54Y	125.7	0.27	0.27	345.91	150	2612	117	100	5.33	0.2	3.982	0.041	0	0	0	410	C
C PC-101025	PC-160923	A	1/0 ACSR	7.52Y	125.4	0.33	0.60	345.91	150	2607	111	100	6.54	0.3	4.033	0.051	0	0	0	410	C
C PC-168783	PC-101025	A	1/0 ACSR	7.52Y	125.4	0.04	0.64	345.91	150	2601	103	100	0.73	0.0	4.039	0.006	0	0	0	410	C
C PC-107814	S429-A	A	1/0 ACSR	7.51Y	125.1	0.25	0.88	345.91	150	2600	102	100	4.90	0.2	4.077	0.038	0	0	0	410	C
C PC-103440	PC-103471	A	4 ACSR	7.48Y	124.6	0.23	1.39	138.23	99	1034	51	100	1.85	0.2	4.302	0.039	0	0	0	156	C
C PC-103406	PC-103440	A	4 ACSR	7.47Y	124.6	0.03	1.42	138.23	99	1032	50	100	0.27	0.0	4.307	0.006	0	0	0	156	C
C PC-104887	D1503	A	4 ACSR	7.47Y	124.5	0.06	1.48	138.23	99	1032	50	100	0.52	0.1	4.318	0.011	0	0	0	156	C
C PC-172321	PC-104887	A	4 ACSR	7.46Y	124.3	0.26	1.74	138.08	99	1030	50	100	2.10	0.2	4.363	0.044	0	0	0	154	C
C PC-110967	PC-172321	A	4 ACSR	7.44Y	124.0	0.29	2.03	138.08	99	1028	48	100	2.32	0.2	4.412	0.049	0	0	0	154	C
C PC-176911	PC-110967	A	4 ACSR	7.42Y	123.6	0.38	2.41	132.11	94	982	45	100	2.95	0.3	4.480	0.068	0	0	0	147	C
C PC-111151	PC-176911	A	4 ACSR	7.39Y	123.2	0.44	2.85	127.83	91	947	43	100	3.26	0.3	4.560	0.080	0	0	0	141	C
C PC-160945	PC-111151	A	4 ACSR	7.38Y	122.9	0.21	3.05	125.44	90	926	40	100	1.51	0.2	4.599	0.039	0	0	0	137	C
---------- Feeder No. 0 (4-134) Beginning with Device 4-134 ----------																					
---------- Feeder No. 0 (4-114) Beginning with Device 4-114 ----------																					
---------- Feeder No. 0 (4-104) Beginning with Device 4-104 ----------																					

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total	
KW	9585	204	0	0	0	0	354	0.00	10143	Lowest Voltage = 118.30 on Element PC-110617
KVAR	311	7	-757	0	0	0	439		0	Max Accm VoltD = 7.70 on Element PC-110617
										Max Elem VoltD = 0.50 on Element PC-154131

Balanced Voltage Drop Report
Source: COLEMANSVILLE

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\BASE WINTER SUB ALLOCATION.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
COLEMANSVILLE		ABC	COLEMANSVI	7.56Y	126.0	0.00	0.00	368.47	0	8274	1175	99	0.00	0.0	0.000	0.000	0	0	0	2125

---------- Feeder No. 0 (32-114) Beginning with Device 32-114 ----------

---------- Feeder No. 0 (32-124) Beginning with Device 32-124 ----------

---------- Feeder No. 0 (32-134) Beginning with Device 32-134 ----------

---------- Feeder No. 0 (32-104) Beginning with Device 32-104 ----------

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total	
KW	7903	73	0	0	0	0	298	0.00	8274	Lowest Voltage = 117.32 on Element PC-142145
KVAR	1111	10	-309	0	0	0	363		1175	Max Accm VoltD = 8.68 on Element PC-142145
										Max Elem VoltD = 0.36 on Element PC-143354

Balanced Voltage Drop Report
Source: SOUTH ELKHORN

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\BASE WINTER SUB ALLOCATION.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element Cons On KW	Element Cons On KVAR	Element Cons Thru
SOUTH ELKHORN		ABC	SOUTH ELKH	7.56Y	126.0	0.00	0.00	416.01	0	9340	1338	99	0.00	0.0	0.000	0.000	0	0	0 1878
---------- Feeder No. 0 (12-134) Beginning with Device 12-134 ----------																			
---------- Feeder No. 0 (12-104) Beginning with Device 12-104 ----------																			
---------- Feeder No. 0 (12-124) Beginning with Device 12-124 ----------																			
---------- Feeder No. 0 (12-114) Beginning with Device 12-114 ----------																			
C PC-153081	PC-125550	ABC	4/0 URD PR	7.56Y	125.9	0.06	0.07	127.39	57	2846	495	99	1.27	0.0	0.060	0.045	0	0	0 379 C

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total
KW	9007	246	0	0	0	0	88	0.00	9340
KVAR	1494	41	-330	0	0	0	134		1338

Lowest Voltage = 122.32 on Element PC-120488
Max Accm VoltD = 3.68 on Element PC-120488
Max Elem VoltD = 0.15 on Element PC-154290

Balanced Voltage Drop Report
Source: BRACKEN_COUNTY

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\BASE WINTER SUB ALLOCATION.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
BRACKEN_COUNTY		ABC	BRACKEN_CO	7.56Y	126.0	0.00	0.00	255.49	0	5736	818	99	0.00	0.0	0.000	0.000	0	0	0	1585	
---------- Feeder No. 0 (31-114) Beginning with Device 31-114 ----------																					
L PC-146675	PC-147238	C	6 ACWC	7.01Y	116.9	0.17	9.13	39.65	28	274	47	99	0.37	0.1	10.250	0.096	0	0	0	78	L
L PC-147538	PC-146675	C	6 ACWC	7.01Y	116.9	0.01	9.14	39.65	28	274	47	99	0.02	0.0	10.256	0.006	0	0	0	78	L
L PC-150773	PC-147538	C	6 ACWC	7.01Y	116.8	0.09	9.22	39.65	28	274	47	99	0.19	0.1	10.305	0.049	0	0	0	78	L
L PC-157301	PC-150773	C	4 ACSR	7.00Y	116.7	0.06	9.28	39.06	28	270	46	99	0.12	0.0	10.338	0.033	0	0	0	76	L
L PC-148160	PC-157301	C	4 ACSR	6.99Y	116.5	0.20	9.48	39.06	28	270	46	99	0.44	0.2	10.454	0.117	0	0	0	76	L
L PC-157298	PC-148160	C	4 ACSR	6.99Y	116.5	0.03	9.51	39.03	28	269	46	99	0.06	0.0	10.470	0.016	0	0	0	74	L
L PC-157297	PC-157298	C	4 ACSR	6.99Y	116.4	0.05	9.56	35.45	25	244	41	99	0.10	0.0	10.503	0.033	0	0	0	67	L
L PC-148155	PC-157297	C	4 ACSR	6.98Y	116.4	0.07	9.64	34.66	25	239	40	99	0.14	0.1	10.551	0.048	0	0	0	65	L
L PC-150668	PC-148155	C	4 ACSR	6.98Y	116.3	0.07	9.70	33.76	24	232	39	99	0.12	0.1	10.595	0.043	0	0	0	63	L
L PC-161740	PC-150668	C	4 ACSR	6.98Y	116.3	0.00	9.71	0.75	1	5	1	98	0.00	0.0	10.645	0.050	0	0	0	1	L
L PC-154369	PC-150668	C	4 ACSR	6.97Y	116.2	0.06	9.76	32.74	23	225	38	99	0.10	0.0	10.633	0.038	0	0	0	61	L
L PC-157774	PC-154369	C	2 ACSR	6.97Y	116.2	0.00	9.76	0.88	0	6	1	99	0.00	0.0	10.662	0.030	0	0	0	1	L
L PC-151282	PC-154369	C	4 ACSR	6.97Y	116.2	0.06	9.82	29.58	21	203	34	99	0.10	0.0	10.677	0.045	0	0	0	56	L
L PC-157271	PC-151282	C	4 ACSR	6.97Y	116.2	0.01	9.83	4.64	3	32	5	99	0.00	0.0	10.733	0.056	0	0	0	12	L
L PC-150769	PC-157271	C	4 ACSR	6.97Y	116.2	0.01	9.84	2.94	2	20	3	99	0.00	0.0	10.827	0.094	0	0	0	8	L
L PC-171549	PC-150769	C	2 ACSR	6.97Y	116.2	0.00	9.84	0.48	0	3	1	95	0.00	0.0	10.894	0.068	0	0	0	4	L
L PC-151294	PC-171549	C	2 ACSR	6.97Y	116.2	0.00	9.85	0.48	0	3	1	95	0.00	0.0	10.922	0.028	0	0	0	4	L
L PC-171468	PC-151294	C	2 ACSR	6.97Y	116.2	0.00	9.85	0.48	0	3	1	95	0.00	0.0	10.952	0.030	0	0	0	4	L
L PC-145817	PC-171468	C	4 ACSR	6.97Y	116.2	0.00	9.85	0.00	0	0	0	100	0.00	0.0	10.975	0.024	0	0	0	0	L
L PC-151700	PC-150769	C	4 ACSR	6.97Y	116.2	0.00	9.84	1.52	1	10	2	98	0.00	0.0	10.833	0.006	0	0	0	1	L
L PC-148733	PC-151700	C	2 ACSR	6.97Y	116.2	0.00	9.85	1.52	1	10	2	98	0.00	0.0	10.873	0.040	0	0	0	1	L
L PC-151244	PC-148733	C	2 ACSR	6.97Y	116.2	0.00	9.85	1.52	1	10	2	98	0.00	0.0	10.885	0.013	0	0	0	1	L
L PC-148673	PC-151244	C	2 ACSR	6.97Y	116.2	0.00	9.85	1.52	1	10	2	98	0.00	0.0	10.906	0.021	0	0	0	1	L
L PC-154370	PC-148673	C	2 ACSR	6.97Y	116.2	0.00	9.85	1.52	1	10	2	98	0.00	0.0	10.950	0.044	0	0	0	1	L
L PC-151281	PC-154370	C	2 ACSR	6.97Y	116.1	0.00	9.85	1.52	1	10	2	98	0.00	0.0	11.013	0.063	0	0	0	1	L
L PC-149206	PC-151281	C	2 ACSR	6.97Y	116.1	0.00	9.86	1.52	1	10	2	98	0.00	0.0	11.076	0.063	0	0	0	1	L
L PC-146833	PC-149206	C	2 ACSR	6.97Y	116.1	0.00	9.86	1.52	1	10	2	98	0.00	0.0	11.145	0.069	0	0	0	1	L
L PC-147845	PC-146833	C	2 ACSR	6.97Y	116.1	0.00	9.86	1.52	1	10	2	98	0.00	0.0	11.172	0.028	0	0	0	1	L
L PC-149001	PC-157271	C	4 ACSR	6.97Y	116.2	0.00	9.83	1.61	1	11	2	98	0.00	0.0	10.763	0.030	0	0	0	2	L
L PC-151295	PC-151282	C	4 ACSR	6.97Y	116.2	0.02	9.84	24.82	18	171	29	99	0.03	0.0	10.697	0.019	0	0	0	43	L
L PC-151566	PC-151295	C	4 ACSR	6.97Y	116.2	0.00	9.84	0.00	0	0	0	100	0.00	0.0	10.717	0.021	0	0	0	0	L
L PC-149696	PC-151295	C	4 ACSR	6.97Y	116.1	0.07	9.91	24.08	17	165	28	99	0.10	0.1	10.764	0.067	0	0	0	42	L
L PC-176779	PC-149696	C	4 ACSR	6.96Y	116.1	0.04	9.95	20.77	15	143	24	99	0.04	0.0	10.803	0.039	0	0	0	39	L
L PC-148117	PC-176779	C	4 ACSR	6.96Y	116.0	0.03	9.98	20.04	14	138	23	99	0.03	0.0	10.836	0.034	0	0	0	37	L
L PC-176778	PC-148117	C	4 ACSR	6.96Y	116.0	0.01	9.99	1.68	1	12	2	99	0.00	0.0	10.934	0.098	0	0	0	3	L
L PC-148071	PC-176778	C	4 ACSR	6.96Y	116.0	0.00	9.99	1.08	1	7	1	99	0.00	0.0	10.982	0.048	0	0	0	1	L
L PC-176777	PC-148117	C	4 ACSR	6.96Y	116.0	0.02	10.00	16.56	12	114	19	99	0.01	0.0	10.858	0.021	0	0	0	32	L
L PC-151219	PC-176777	C	4 ACSR	6.96Y	116.0	0.04	10.03	14.09	10	97	16	99	0.03	0.0	10.919	0.062	0	0	0	30	L
L PC-146738	PC-151219	C	4 ACSR	6.96Y	116.0	0.00	10.04	1.50	1	10	2	98	0.00	0.0	10.959	0.039	0	0	0	4	L
L PC-173044	PC-146738	C	2 ACSR	6.96Y	116.0	0.00	10.04	1.41	1	10	2	98	0.00	0.0	10.974	0.015	0	0	0	1	L
L PC-163672	PC-173044	C	2 ACSR	6.96Y	116.0	0.00	10.04	1.41	1	10	2	98	0.00	0.0	10.992	0.018	0	0	0	1	L
L PC-146737	PC-151219	C	4 ACSR	6.96Y	115.9	0.03	10.06	11.15	8	77	13	99	0.02	0.0	10.970	0.050	0	0	0	24	L
L PC-176781	PC-146737	C	4 ACSR	6.96Y	115.9	0.01	10.07	5.73	4	39	7	98	0.00	0.0	11.006	0.036	0	0	0	12	L
L PC-151651	PC-176781	C	4 ACSR	6.95Y	115.9	0.01	10.08	5.73	4	39	7	98	0.00	0.0	11.062	0.057	0	0	0	12	L
L PC-176780	PC-151651	C	4 ACSR	6.95Y	115.9	0.01	10.09	5.27	4	36	6	99	0.00	0.0	11.092	0.029	0	0	0	10	L
L PC-150743	PC-176780	C	4 ACSR	6.95Y	115.9	0.00	10.09	1.92	1	13	2	99	0.00	0.0	11.117	0.026	0	0	0	2	L
L PC-150742	PC-176780	C	4 ACSR	6.95Y	115.9	0.00	10.09	2.64	2	18	3	99	0.00	0.0	11.129	0.037	0	0	0	6	L
L PC-150768	PC-150742	C	4 ACSR	6.95Y	115.9	0.00	10.10	0.50	0	3	1	95	0.00	0.0	11.175	0.047	0	0	0	2	L
L PC-161755	PC-150768	C	4 ACSR	6.95Y	115.9	0.00	10.10	0.16	0	1	0	100	0.00	0.0	11.193	0.018	0	0	0	1	L
L PC-150767	PC-150742	C	4 ACSR	6.95Y	115.9	0.00	10.10	2.05	1	14	2	99	0.00	0.0	11.166	0.038	0	0	0	3	L
L PC-161754	PC-150767	C	4 ACSR	6.95Y	115.9	0.00	10.10	1.26	1	9	1	99	0.00	0.0	11.234	0.068	0	0	0	2	L
L PC-171551	PC-146737	C	4 ACSR	6.96Y	115.9	0.01	10.07	3.69	3	25	4	99	0.00	0.0	11.009	0.039	0	0	0	7	L
L PC-171550	PC-171551	C	1/0 ACSR	6.96Y	115.9	0.00	10.07	1.59	1	11	2	98	0.00	0.0	11.035	0.026	0	0	0	2	L
L PC-152272	PC-171550	C	1/0 URD PR	6.96Y	115.9	0.00	10.07	1.59	1	11	2	98	0.00	0.0	11.041	0.006	0	0	0	2	L
L PC-163599	PC-152272	C	1/0 URD PR	6.96Y	115.9	0.00	10.07	1.59	1	11	2	98	0.00	0.0	11.060	0.019	0	0	0	2	L
L PC-149121	PC-146737	C	4 ACSR	6.96Y	115.9	0.00	10.06	1.31	1	9	2	98	0.00	0.0	11.017	0.047	0	0	0	3	L
L PC-149052	PC-149121	C	4 ACSR	6.96Y	115.9	0.00	10.06	0.02	0	0	0	100	0.00	0.0	11.049	0.033	0	0	0	1	L
L PC-157752	PC-149052	C	4 ACSR	6.96Y	115.9	0.00	10.06	0.00	0	0	0	100	0.00	0.0	11.083	0.033	0	0	0	0	L
L PC-148693	PC-176777	C	4 ACSR	6.96Y	116.0	0.00	10.00	2.47	2	17	3	98	0.00	0.0	10.866	0.009	0	0	0	2	L
L PC-167372	PC-148693	C	1/0 URD PR	6.96Y	116.0	0.00	10.00	1.00	1	7	1	99	0.00	0.0	10.872	0.006	0	0	0	1	L
L PC-167373	PC-167372	C	1/0 URD PR	6.96Y	116.0	0.00	10.00	1.00	1	7	1	99	0.00	0.0	10.902	0.031	0	0	0	1	L
L PC-160857	PC-149696	C	4 ACSR	6.96Y	116.1	0.00	9.92	1.54	1	11	2	98	0.00	0.0	10.818	0.054	0	0	0	2	L
L PC-149123	PC-154369	C	4 ACSR	6.97Y	116.2	0.00	9.76	0.33	0	2	0	100	0.00	0.0	10.667	0.035	0	0	0	1	L
L PC-146271	PC-154369	C	4 ACSR	6.97Y	116.2	0.00	9.76	0.90	1	6	1	99	0.00	0.0	10.699	0.067	0	0	0	1	L
L PC-149055	PC-148155	C	2 ACSR	6.98Y	116.4	0.00	9.64	0.35	0	2	0	100	0.00	0.0	10.571	0.020	0	0	0	1	L
L PC-151082	PC-149055	C	2 ACSR	6.98Y	116.4	0.00	9.64	0.35	0	2	0	100	0.00	0.0	10.708	0.137	0	0	0	1	L
L PC-157300	PC-150773	C	4 ACSR	7.01Y	116.8	0.00	9.22	0.59	0	4	1	97	0.00	0.0	10.345	0.040	0	0	0	2	L
L PC-147149	PC-157300	C	4 ACSR	7.01Y	116.8	0.00	9.22	0.00	0	0	0	100	0.00	0.0	10.383	0.037	0	0	0	0	L
L PC-147148	PC-157300	C	4 ACSR	7.01Y	116.8	0.00	9.23	0.59	0	4	1	97	0.00	0.0	10.388	0.043	0	0	0	2	L
---------- Feeder No. 0 (31-104) Beginning with Device 31-104 ----------																					

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

Balanced Voltage Drop Report
Source: BRACKEN_COUNTY

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\BASE WINTER SUB ALLOCATION.WM\
Title:
Case:

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total	
KW	5446	54	0	0	0	0	236	0.00	5736	Lowest Voltage = 115.90 on Element PC-161754
KVAR	915	9	-304	0	0	0	198		818	Max Accm VoltD = 10.10 on Element PC-161754
										Max Elem VoltD = 0.48 on Element PC-168859

Balanced Voltage Drop Report
Source: HEADQUARTERS

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\BASE WINTER SUB ALLOCATION.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
HEADQUARTERS		ABC	HEADQUARTE	7.56Y	126.0	0.00	0.00	257.89	0	5792	815	99	0.00	0.0	0.000	0.000	0	0	0	1446	
---------- Feeder No. 0 (36-134) Beginning with Device 36-134 ----------																					
---------- Feeder No. 0 (36-124) Beginning with Device 36-124 ----------																					
---------- Feeder No. 0 (36-144) Beginning with Device 36-144 ----------																					
L PC-149149	PC-138672	B	4 ACSR	7.02Y	117.0	0.08	9.00	18.78	13	131	13	100	0.08	0.1	12.350	0.096	0	0	0	29	L
L PC-139260	PC-149149	B	4 ACSR	7.02Y	117.0	0.00	9.01	1.32	1	9	1	99	0.00	0.0	12.428	0.078	0	0	0	3	L
L PC-147744	PC-139260	B	4 ACSR	7.02Y	117.0	0.01	9.01	1.32	1	9	1	99	0.00	0.0	12.523	0.095	0	0	0	3	L
L PC-138251	PC-147744	B	4 ACSR	7.02Y	117.0	0.00	9.01	0.24	0	2	0	100	0.00	0.0	12.549	0.026	0	0	0	1	L
L PC-138221	PC-147744	B	4 ACSR	7.02Y	117.0	0.00	9.02	1.08	1	8	1	99	0.00	0.0	12.590	0.068	0	0	0	2	L
L PC-139332	PC-149149	B	4 ACSR	7.02Y	116.9	0.07	9.07	17.46	12	122	12	100	0.07	0.1	12.438	0.087	0	0	0	26	L
L PC-138393	PC-139332	B	4 ACSR	7.01Y	116.9	0.04	9.11	17.46	12	122	12	100	0.04	0.0	12.496	0.058	0	0	0	26	L
L PC-139183	PC-138393	B	4 ACSR	7.01Y	116.8	0.09	9.21	17.22	12	120	12	100	0.09	0.1	12.622	0.126	0	0	0	25	L
L PC-149992	PC-139183	B	4 ACSR	7.00Y	116.7	0.07	9.28	13.27	9	92	9	100	0.05	0.1	12.746	0.124	0	0	0	20	L
L PC-149991	PC-149992	B	4 ACSR	7.00Y	116.7	0.01	9.29	4.18	3	29	3	99	0.00	0.0	12.812	0.066	0	0	0	7	L
L PC-139191	PC-149991	B	4 ACSR	7.00Y	116.7	0.01	9.30	4.18	3	29	3	99	0.00	0.0	12.881	0.069	0	0	0	7	L
L PC-138291	PC-139191	B	4 ACSR	7.00Y	116.7	0.00	9.31	0.47	0	3	0	100	0.00	0.0	12.954	0.073	0	0	0	1	L
L PC-138215	PC-139191	B	4 ACSR	7.00Y	116.7	0.00	9.30	0.01	0	0	0	100	0.00	0.0	12.910	0.029	0	0	0	1	L
L PC-148472	PC-138215	B	4 ACSR	7.00Y	116.7	0.00	9.30	0.01	0	0	0	100	0.00	0.0	12.958	0.048	0	0	0	1	L
L PC-138214	PC-139191	B	4 ACSR	7.00Y	116.7	0.02	9.33	3.70	3	26	3	99	0.00	0.0	13.013	0.132	0	0	0	5	L
L PC-149788	PC-138214	B	4 ACSR	7.00Y	116.7	0.00	9.33	0.85	1	6	1	99	0.00	0.0	13.041	0.028	0	0	0	1	L
L PC-140391	PC-138214	B	4 ACSR	7.00Y	116.7	0.00	9.33	2.85	2	20	2	100	0.00	0.0	13.047	0.034	0	0	0	4	L
L PC-149989	PC-140391	B	4 ACSR	7.00Y	116.7	0.01	9.34	2.11	2	15	1	100	0.00	0.0	13.141	0.094	0	0	0	2	L
L PC-140594	PC-149989	B	4 ACSR	7.00Y	116.7	0.00	9.34	0.96	1	7	1	99	0.00	0.0	13.194	0.053	0	0	0	1	L
L PC-139193	PC-140594	B	4 ACSR	7.00Y	116.7	0.00	9.34	0.96	1	7	1	99	0.00	0.0	13.250	0.056	0	0	0	1	L
L PC-139421	PC-139193	B	4 ACSR	7.00Y	116.7	0.00	9.35	0.96	1	7	1	99	0.00	0.0	13.290	0.040	0	0	0	1	L
L PC-139768	PC-139421	B	4 ACSR	7.00Y	116.7	0.00	9.35	0.96	1	7	1	99	0.00	0.0	13.334	0.044	0	0	0	1	L
L PC-140593	PC-149989	B	4 ACSR	7.00Y	116.7	0.00	9.34	1.14	1	8	1	99	0.00	0.0	13.162	0.021	0	0	0	1	L
L PC-140764	PC-149992	B	4 ACSR	7.00Y	116.7	0.03	9.31	8.34	6	58	6	99	0.01	0.0	12.819	0.073	0	0	0	11	L
L PC-149853	PC-140764	B	4 ACSR	7.00Y	116.7	0.02	9.33	7.74	6	54	5	100	0.01	0.0	12.886	0.067	0	0	0	9	L
L PC-142213	PC-149853	B	4 ACSR	7.00Y	116.7	0.00	9.33	1.13	1	8	1	99	0.00	0.0	12.942	0.056	0	0	0	1	L
L PC-132258	PC-149853	B	4 ACSR	7.00Y	116.6	0.03	9.36	6.23	4	43	4	100	0.01	0.0	12.992	0.106	0	0	0	7	L
L PC-149859	PC-132258	B	4 ACSR	7.00Y	116.6	0.02	9.37	6.23	4	43	4	100	0.01	0.0	13.053	0.061	0	0	0	7	L
L PC-149860	PC-149859	B	4 ACSR	7.00Y	116.6	0.00	9.38	0.97	1	7	1	99	0.00	0.0	13.071	0.018	0	0	0	2	L
L PC-140807	PC-149860	B	4 ACSR	7.00Y	116.6	0.00	9.38	0.97	1	7	1	99	0.00	0.0	13.109	0.037	0	0	0	2	L
L PC-157836	PC-140807	B	1/0 URD PR	7.00Y	116.6	0.00	9.38	0.97	1	7	1	99	0.00	0.0	13.114	0.006	0	0	0	2	L
L PC-157850	PC-157836	B	1/0 URD PR	7.00Y	116.6	0.00	9.38	0.97	1	7	1	99	0.00	0.0	13.195	0.080	0	0	0	2	L
L PC-137004	PC-149859	B	4 ACSR	7.00Y	116.6	0.01	9.38	3.71	3	26	3	99	0.00	0.0	13.091	0.038	0	0	0	4	L
L PC-147916	PC-137004	B	4 ACSR	7.00Y	116.6	0.02	9.40	2.76	2	19	2	99	0.00	0.0	13.274	0.182	0	0	0	3	L
L PC-138766	PC-147916	B	4 ACSR	7.00Y	116.6	0.00	9.41	1.43	1	10	1	100	0.00	0.0	13.335	0.061	0	0	0	2	L
L PC-143002	PC-138766	B	4 ACSR	7.00Y	116.6	0.00	9.41	0.93	1	6	1	99	0.00	0.0	13.397	0.062	0	0	0	1	L
L PC-139466	PC-143002	B	4 ACSR	7.00Y	116.6	0.00	9.41	0.00	0	0	0	100	0.00	0.0	13.440	0.044	0	0	0	0	L
L PC-150211	PC-139466	B	4 ACSR	7.00Y	116.6	0.00	9.41	0.00	0	0	0	100	0.00	0.0	13.530	0.090	0	0	0	0	L
L PC-150217	PC-150211	B	4 ACSR	7.00Y	116.6	0.00	9.41	0.00	0	0	0	100	0.00	0.0	13.623	0.093	0	0	0	0	L
L PC-141774	PC-150217	B	4 ACSR	7.00Y	116.6	0.00	9.41	0.00	0	0	0	100	0.00	0.0	13.720	0.096	0	0	0	0	L
L PC-140091	PC-141774	B	4 ACSR	7.00Y	116.6	0.00	9.41	0.00	0	0	0	100	0.00	0.0	13.818	0.098	0	0	0	0	L
L S691-A	PC-140091	B	Open	7.00Y	116.6	0.00	9.41	0.00	0	0	0	100	0.00	0.0	13.818	0.098	0	0	0	0	L
L PC-139432	PC-143002	B	4 ACSR	7.00Y	116.6	0.00	9.41	0.93	1	6	1	99	0.00	0.0	13.440	0.043	0	0	0	1	L
L PC-139134	PC-137004	B	2 ACSR	7.00Y	116.6	0.00	9.38	0.95	1	7	1	99	0.00	0.0	13.116	0.025	0	0	0	1	L
L PC-140095	PC-139134	B	2 ACSR	7.00Y	116.6	0.00	9.38	0.95	1	7	1	99	0.00	0.0	13.179	0.063	0	0	0	1	L
L PC-138720	PC-140095	B	2 ACSR	7.00Y	116.6	0.00	9.39	0.95	1	7	1	99	0.00	0.0	13.244	0.064	0	0	0	1	L
L PC-138664	PC-138720	B	2 ACSR	7.00Y	116.6	0.00	9.39	0.95	1	7	1	99	0.00	0.0	13.296	0.052	0	0	0	1	L
L PC-139434	PC-138664	B	2 ACSR	7.00Y	116.6	0.00	9.39	0.95	1	7	1	99	0.00	0.0	13.341	0.045	0	0	0	1	L
L PC-140763	PC-140764	B	4 ACSR	7.00Y	116.7	0.00	9.31	0.00	0	0	0	100	0.00	0.0	12.867	0.048	0	0	0	0	L
L PC-139143	PC-139183	B	4 ACSR	7.01Y	116.8	0.01	9.21	1.96	1	14	1	100	0.00	0.0	12.687	0.065	0	0	0	2	L
L PC-138669	PC-139183	B	4 ACSR	7.01Y	116.8	0.00	9.21	2.00	1	14	1	100	0.00	0.0	12.666	0.045	0	0	0	3	L
L PC-140758	PC-138669	B	4 ACSR	7.01Y	116.8	0.00	9.22	2.00	1	14	1	100	0.00	0.0	12.709	0.043	0	0	0	3	L
L PC-149510	PC-140758	B	4 ACSR	7.01Y	116.8	0.00	9.22	1.10	1	8	1	99	0.00	0.0	12.741	0.032	0	0	0	2	L
L PC-139888	PC-140758	B	4 ACSR	7.01Y	116.8	0.00	9.22	0.00	0	0	0	100	0.00	0.0	12.774	0.065	0	0	0	0	L
L PC-137587	PC-137860	A	2 ACSR	7.02Y	117.0	0.01	9.00	4.82	3	34	3	100	0.00	0.0	12.987	0.058	0	0	0	9	L
L PC-148400	PC-137587	A	2 ACSR	7.02Y	117.0	0.01	9.01	3.98	2	28	3	99	0.00	0.0	13.057	0.070	0	0	0	6	L
L PC-142193	PC-148400	A	2 ACSR	7.02Y	117.0	0.00	9.01	0.68	0	5	0	100	0.00	0.0	13.083	0.026	0	0	0	1	L
L PC-139911	PC-148400	A	2 ACSR	7.02Y	117.0	0.00	9.02	3.30	2	23	2	100	0.00	0.0	13.101	0.044	0	0	0	5	L
L PC-141913	PC-139911	A	2 ACSR	7.02Y	117.0	0.00	9.02	3.30	2	23	2	100	0.00	0.0	13.125	0.023	0	0	0	5	L
L PC-135204	PC-141913	A	2 ACSR	7.02Y	117.0	0.00	9.02	1.75	1	12	1	100	0.00	0.0	13.140	0.015	0	0	0	4	L
L PC-134109	PC-135204	A	2 ACSR	7.02Y	117.0	0.01	9.03	1.75	1	12	1	100	0.00	0.0	13.322	0.183	0	0	0	4	L
L PC-135964	PC-134109	A	2 ACSR	7.02Y	117.0	0.00	9.03	1.00	1	7	1	99	0.00	0.0	13.348	0.026	0	0	0	2	L
L PC-148942	PC-135964	A	4 ACSR	7.02Y	117.0	0.00	9.03	0.00	0	0	0	100	0.00	0.0	13.409	0.061	0	0	0	0	L
L PC-139430	PC-148942	A	4 ACSR	7.02Y	117.0	0.00	9.03	0.00	0	0	0	100	0.00	0.0	13.440	0.031	0	0	0	0	L
L PC-134112	PC-139430	A	4 ACSR	7.02Y	117.0	0.00	9.03	0.00	0	0	0	100	0.00	0.0	13.477	0.037	0	0	0	0	L
L PC-135234	PC-135964	A	2 ACSR	7.02Y	117.0	0.00	9.03	0.23	0	2	0	100	0.00	0.0	13.423	0.074	0	0	0	1	L
L PC-136651	PC-135234	A	2 ACSR	7.02Y	117.0	0.00	9.03	0.00	0	0	0	100	0.00	0.0	13.475	0.052	0	0	0	0	L
L PC-141916	PC-136651	A	2 ACSR	7.02Y	117.0	0.00	9.03	0.00	0	0	0	100	0.00	0.0	13.540	0.066	0	0	0	0	L
L PC-139957	PC-141916	A	2 ACSR	7.02Y	117.0	0.00	9.03	0.00	0	0	0	100	0.00	0.0	13.616	0.076	0	0	0	0	L
L PC-149523	PC-139957	A	2 ACSR	7.02Y	117.0	0.00	9.03	0.00	0	0	0	100	0.00	0.0	13.711	0.095	0	0	0	0	L
L PC-138081	PC-149523	A	4 ACSR	7.02Y	117.0	0.00	9.03	0.00	0	0	0	100	0.00	0.0	13.787	0.076	0	0	0	0	L

Balanced Voltage Drop Report
Source: HEADQUARTERS

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\BASE WINTER SUB ALLOCATION.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L PC-135304	PC-141916	A	4 ACSR	7.02Y	117.0	0.00	9.03	0.00	0	0	0	100	0.00	0.0	13.624	0.083	0	0	0	0	L
L PC-134852	PC-134109	A	4 ACSR	7.02Y	117.0	0.00	9.03	0.75	1	5	1	98	0.00	0.0	13.380	0.057	0	0	0	2	L
L PC-141558	PC-134852	A	4 ACSR	7.02Y	117.0	0.00	9.03	0.35	0	2	0	100	0.00	0.0	13.439	0.059	0	0	0	1	L
L PC-148399	PC-137587	A	2 ACSR	7.02Y	117.0	0.00	9.00	0.00	0	0	0	100	0.00	0.0	13.056	0.069	0	0	0	0	L
L PC-135132	PC-148399	A	2 ACSR	7.02Y	117.0	0.00	9.00	0.00	0	0	0	100	0.00	0.0	13.104	0.047	0	0	0	0	L
L PC-139494	PC-135132	A	2 ACSR	7.02Y	117.0	0.00	9.00	0.00	0	0	0	100	0.00	0.0	13.155	0.051	0	0	0	0	L
L PC-141561	PC-139494	A	2 ACSR	7.02Y	117.0	0.00	9.00	0.00	0	0	0	100	0.00	0.0	13.233	0.078	0	0	0	0	L
L PC-137885	PC-141561	A	2 ACSR	7.02Y	117.0	0.00	9.00	0.00	0	0	0	100	0.00	0.0	13.285	0.053	0	0	0	0	L
L PC-140014	PC-137587	A	2 ACSR	7.02Y	117.0	0.00	9.01	0.84	0	6	1	99	0.00	0.0	13.149	0.162	0	0	0	3	L
L PC-140159	PC-140014	A	2 ACSR	7.02Y	117.0	0.00	9.01	0.76	0	5	1	98	0.00	0.0	13.163	0.014	0	0	0	1	L
L PC-140086	PC-140014	A	4 ACSR	7.02Y	117.0	0.00	9.01	0.08	0	1	0	100	0.00	0.0	13.236	0.087	0	0	0	2	L
L PC-161421	PC-140086	A	4 ACSR	7.02Y	117.0	0.00	9.01	0.08	0	1	0	100	0.00	0.0	13.317	0.081	0	0	0	2	L
L PC-135109	PC-161421	A	4 ACSR	7.02Y	117.0	0.00	9.01	0.08	0	1	0	100	0.00	0.0	13.384	0.066	0	0	0	1	L
L PC-139971	PC-140218	ABC	336.4 ACSR	7.02Y	117.0	0.02	9.01	42.45	8	889	98	99	0.10	0.0	11.870	0.065	0	0	0	248	L
L PC-150548	PC-139971	ABC	336.4 ACSR	7.02Y	117.0	0.02	9.03	42.45	8	889	98	99	0.12	0.0	11.952	0.082	0	0	0	248	L
L PC-140310	PC-150548	ABC	336.4 ACSR	7.02Y	117.0	0.01	9.05	42.45	8	888	97	99	0.09	0.0	12.013	0.061	0	0	0	248	L
L PC-141282	PC-140310	ABC	336.4 ACSR	7.02Y	116.9	0.02	9.07	42.45	8	888	97	99	0.12	0.0	12.090	0.078	0	0	0	248	L
L PC-142874	PC-141282	ABC	336.4 ACSR	7.02Y	116.9	0.01	9.08	42.45	8	888	97	99	0.06	0.0	12.131	0.041	0	0	0	248	L
L PC-140789	PC-142874	ABC	336.4 ACSR	7.01Y	116.9	0.02	9.09	42.45	8	888	97	99	0.10	0.0	12.198	0.067	0	0	0	248	L
L PC-142754	PC-140789	ABC	336.4 ACSR	7.01Y	116.9	0.01	9.11	42.45	8	888	97	99	0.09	0.0	12.256	0.058	0	0	0	248	L
L PC-151413	PC-142754	ABC	336.4 ACSR	7.01Y	116.9	0.02	9.12	42.45	8	888	96	99	0.10	0.0	12.320	0.064	0	0	0	248	L
L PC-138622	PC-151413	ABC	336.4 ACSR	7.01Y	116.9	0.01	9.14	42.45	8	888	96	99	0.07	0.0	12.366	0.046	0	0	0	248	L
L PC-149439	PC-138622	B	4 ACSR	7.01Y	116.9	0.00	9.14	13.01	9	91	9	100	0.00	0.0	12.372	0.006	0	0	0	26	L
L PC-142699	PC-149439	B	4 ACSR	7.01Y	116.8	0.04	9.18	13.01	9	91	9	100	0.03	0.0	12.438	0.066	0	0	0	26	L
L PC-140146	PC-142699	B	6 ACWC	7.01Y	116.8	0.03	9.20	13.01	9	91	9	100	0.02	0.0	12.484	0.047	0	0	0	26	L
L PC-143896	PC-140146	B	6 ACWC	7.01Y	116.8	0.04	9.24	13.01	9	91	9	100	0.03	0.0	12.557	0.072	0	0	0	26	L
L PC-139937	PC-143896	B	6 ACWC	7.00Y	116.7	0.04	9.29	13.01	9	91	9	100	0.03	0.0	12.634	0.077	0	0	0	26	L
L PC-175933	PC-139937	B	6 ACWC	7.00Y	116.7	0.00	9.29	13.01	9	91	9	100	0.00	0.0	12.638	0.004	0	0	0	26	L
L D101002	PC-175933	B	REC_35_H	7.00Y	116.7	0.00	9.29	13.01	0	91	9	100	0.00	0.0	12.638	0.004	0	0	0	26	L
L PC-175934	D101002	B	6 ACWC	7.00Y	116.7	0.03	9.32	13.01	9	91	9	100	0.02	0.0	12.696	0.059	0	0	0	26	L
L PC-143827	PC-175934	B	6 ACWC	7.00Y	116.7	0.01	9.33	1.52	1	11	1	100	0.00	0.0	12.824	0.128	0	0	0	3	L
L PC-150643	PC-143827	B	6 ACWC	7.00Y	116.7	0.00	9.33	1.52	1	11	1	100	0.00	0.0	12.870	0.046	0	0	0	3	L
L PC-150328	PC-150643	B	6 ACWC	7.00Y	116.7	0.00	9.34	1.52	1	11	1	100	0.00	0.0	12.946	0.075	0	0	0	3	L
L PC-147354	PC-150328	B	2 ACSR	7.00Y	116.7	0.00	9.34	0.61	0	4	0	100	0.00	0.0	12.958	0.012	0	0	0	2	L
L PC-157062	PC-147354	B	2 ACSR	7.00Y	116.7	0.00	9.34	0.61	0	4	0	100	0.00	0.0	12.976	0.019	0	0	0	1	L
L PC-143709	PC-175934	B	6 ACWC	7.00Y	116.6	0.08	9.41	11.48	8	80	8	100	0.05	0.1	12.867	0.170	0	0	0	23	L
L PC-139476	PC-143709	B	6 ACWC	6.99Y	116.6	0.02	9.43	11.48	8	80	8	100	0.01	0.0	12.909	0.042	0	0	0	23	L
L PC-150354	PC-139476	B	6 ACWC	6.99Y	116.5	0.04	9.47	11.48	8	80	8	100	0.03	0.0	12.989	0.080	0	0	0	23	L
L PC-144091	PC-150354	B	6 ACWC	6.99Y	116.5	0.05	9.52	11.48	8	80	8	100	0.03	0.0	13.094	0.105	0	0	0	23	L
L PC-143815	PC-144091	B	6 ACWC	6.99Y	116.5	0.02	9.54	7.63	5	53	5	100	0.01	0.0	13.169	0.075	0	0	0	15	L
L PC-141280	PC-143815	B	6 ACWC	6.99Y	116.4	0.04	9.58	7.63	5	53	5	100	0.02	0.0	13.281	0.112	0	0	0	15	L
L PC-142278	PC-141280	B	6 ACWC	6.98Y	116.4	0.04	9.62	7.63	5	53	5	100	0.02	0.0	13.404	0.123	0	0	0	15	L
L PC-139993	PC-142278	B	6 ACWC	6.98Y	116.4	0.03	9.65	7.63	5	53	5	100	0.01	0.0	13.490	0.086	0	0	0	15	L
L PC-140243	PC-139993	B	6 ACWC	6.98Y	116.3	0.05	9.70	7.63	5	53	5	100	0.02	0.0	13.649	0.159	0	0	0	15	L
L PC-142597	PC-140243	B	2 ACSR	6.98Y	116.3	0.01	9.71	7.63	4	53	5	100	0.00	0.0	13.686	0.037	0	0	0	14	L
L PC-142865	PC-142597	B	2 ACSR	6.98Y	116.3	0.00	9.71	0.00	0	0	0	100	0.00	0.0	13.771	0.085	0	0	0	0	L
L PC-141969	PC-142865	B	2 ACSR	6.98Y	116.3	0.00	9.71	0.00	0	0	0	100	0.00	0.0	13.834	0.063	0	0	0	0	L
L PC-142230	PC-142597	B	2 ACSR	6.98Y	116.3	0.03	9.74	7.63	4	53	5	100	0.01	0.0	13.809	0.123	0	0	0	14	L
L PC-142665	PC-142230	B	2 ACSR	6.97Y	116.2	0.03	9.76	7.63	4	53	5	100	0.01	0.0	13.933	0.124	0	0	0	14	L
L PC-142815	PC-142665	B	2 ACSR	6.97Y	116.2	0.01	9.77	7.63	4	53	5	100	0.00	0.0	13.971	0.039	0	0	0	14	L
L PC-150446	PC-142815	B	6 ACWC	6.97Y	116.2	0.02	9.79	7.16	5	50	5	100	0.01	0.0	14.031	0.060	0	0	0	13	L
L PC-143802	PC-150446	B	6 ACWC	6.97Y	116.2	0.03	9.82	7.16	5	50	5	100	0.01	0.0	14.132	0.101	0	0	0	13	L
L PC-149804	PC-143802	B	6 ACWC	6.97Y	116.2	0.02	9.85	6.14	4	43	4	100	0.01	0.0	14.222	0.091	0	0	0	12	L
L PC-140541	PC-149804	B	6 ACWC	6.97Y	116.1	0.01	9.86	6.14	4	43	4	100	0.01	0.0	14.277	0.055	0	0	0	12	L
L PC-150445	PC-140541	B	6 ACWC	6.97Y	116.1	0.01	9.87	2.59	2	18	2	99	0.00	0.0	14.327	0.050	0	0	0	2	L
L PC-139241	PC-150445	B	6 ACWC	6.97Y	116.1	0.01	9.87	1.87	1	13	1	100	0.00	0.0	14.397	0.070	0	0	0	1	L
L PC-149826	PC-140541	B	6 ACWC	6.97Y	116.1	0.02	9.88	3.55	3	25	2	100	0.00	0.0	14.393	0.116	0	0	0	10	L
L PC-140317	PC-149826	B	6 ACWC	6.97Y	116.1	0.01	9.89	3.55	3	25	2	100	0.00	0.0	14.463	0.070	0	0	0	10	L
L PC-150253	PC-140317	B	6 ACWC	6.97Y	116.1	0.01	9.90	3.55	3	25	2	100	0.00	0.0	14.517	0.054	0	0	0	10	L
L PC-149548	PC-150253	B	6 ACWC	6.97Y	116.1	0.01	9.91	2.25	2	16	2	99	0.00	0.0	14.627	0.109	0	0	0	8	L
L PC-150145	PC-149548	B	2 ACSR	6.97Y	116.1	0.00	9.91	0.02	0	0	0	100	0.00	0.0	14.696	0.069	0	0	0	1	L
L PC-149452	PC-150145	B	2 ACSR	6.97Y	116.1	0.00	9.91	0.00	0	0	0	100	0.00	0.0	14.776	0.080	0	0	0	0	L
L PC-142955	PC-149548	B	6 ACWC	6.97Y	116.1	0.01	9.92	2.23	2	15	2	99	0.00	0.0	14.703	0.076	0	0	0	7	L
L PC-139574	PC-142955	B	6 ACWC	6.96Y	116.1	0.01	9.92	2.23	2	15	2	99	0.00	0.0	14.783	0.080	0	0	0	7	L
L PC-140483	PC-139574	B	4 ACSR	6.96Y	116.1	0.00	9.92	0.00	0	0	0	100	0.00	0.0	14.901	0.119	0	0	0	0	L
L PC-140481	PC-139574	B	6 ACWC	6.96Y	116.1	0.00	9.93	2.23	2	15	2	99	0.00	0.0	14.824	0.042	0	0	0	7	L
L PC-148972	PC-140481	B	6 ACWC	6.96Y	116.1	0.01	9.93	2.23	2	15	2	99	0.00	0.0	14.892	0.068	0	0	0	7	L
L PC-166210	PC-148972	B	6 ACWC	6.96Y	116.1	0.00	9.94	1.35	1	9	1	99	0.00	0.0	14.936	0.044	0	0	0	2	L
L PC-166041	PC-166210	B	6 ACWC	6.96Y	116.1	0.00	9.94	1.35	1	9	1	99	0.00	0.0	14.974	0.039	0	0	0	2	L
L PC-175538	PC-166041	B	6 ACWC	6.96Y	116.1	0.01	9.95	1.35	1	9	1	99	0.00	0.0	15.152	0.178	0	0	0	2	L
L PC-166182	PC-175538	B	6 ACWC	6.96Y	116.1	0.00	9.95	0.22	0	2	0	100	0.00	0.0	15.201	0.049	0	0	0	1	L
L PC-143533	PC-166182	B	6 ACWC	6.96Y	116.1	0.00	9.95	0.22	0	2	0	100	0.00	0.0	15.285	0.084	0	0	0	1	L
L PC-143623	PC-143533	B	6 ACWC	6.96Y	116.0	0.00	9.95	0.22	0	2	0	100	0.00	0.0	15.366	0.082	0	0	0	1	L
L PC-142552	PC-143623	B	6 ACWC	6.96Y	116.0	0.00	9.95	0.22	0	2	0	100	0.00	0.0	15.490	0.123	0	0	0	1	L
L PC-140706	PC-148972	B	6 ACWC	6.96Y	116.1	0.00	9.94	0.88	1	6	1	99	0.00	0.0	14.995	0.103	0	0	0	5	L
L PC-142540	PC-140706	B	6 ACWC	6.96Y	116.1	0.00	9.94	0.39	0	3	0	100	0.00	0.0	15.068	0.073	0	0	0	3	L
L PC-150050	PC-142540	B	6 ACWC	6.96Y	116.1	0.00	9.94	0.39	0	3	0	100	0.00	0.0	15.134	0.066	0	0	0	3	L
L PC-140350	PC-150050	B	6 ACWC	6.96Y	116.1	0.00	9.94	0.39	0	3	0	100	0.00	0.0	15.222	0.088	0	0	0	3	L
L PC-142652	PC-140350	B	6 ACWC	6.96Y	116.1	0.00	9.94	0.39	0	3	0	100	0.00	0.0	15.278	0.056	0	0	0	3	L
L PC-139423	PC-142652	B	6 ACWC	6.96Y	116.1	0.00	9.94	0.39	0	3	0	100	0.00	0.0	15.353	0.075	0	0	0	3	L

Balanced Voltage Drop Report
Source: HEADQUARTERS

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\BASE WINTER SUB ALLOCATION.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L PC-140000	PC-139423	B	6 ACWC	6.96Y	116.1	0.00	9.94	0.39	0	3	0	100	0.00	0.0	15.440	0.087	0	0	0	2	L
L PC-149547	PC-140000	B	6 ACWC	6.96Y	116.1	0.00	9.95	0.39	0	3	0	100	0.00	0.0	15.521	0.081	0	0	0	2	L
L PC-142565	PC-149547	B	6 ACWC	6.96Y	116.1	0.00	9.95	0.00	0	0	0	100	0.00	0.0	15.610	0.089	0	0	0	0	L
L PC-138619	PC-142565	B	6 ACWC	6.96Y	116.1	0.00	9.95	0.00	0	0	0	100	0.00	0.0	15.747	0.137	0	0	0	0	L
L PC-143198	PC-149547	B	6 ACWC	6.96Y	116.1	0.00	9.95	0.39	0	3	0	100	0.00	0.0	15.602	0.081	0	0	0	2	L
L PC-140070	PC-143198	B	6 ACWC	6.96Y	116.1	0.00	9.95	0.00	0	0	0	100	0.00	0.0	15.681	0.079	0	0	0	1	L
L PC-140043	PC-140070	B	6 ACWC	6.96Y	116.1	0.00	9.95	0.00	0	0	0	100	0.00	0.0	15.795	0.114	0	0	0	1	L
L PC-149803	PC-143802	B	2 ACSR	6.97Y	116.2	0.00	9.82	1.02	1	7	1	99	0.00	0.0	14.194	0.063	0	0	0	1	L
L PC-149652	PC-149803	B	2 ACSR	6.97Y	116.2	0.00	9.83	1.02	1	7	1	99	0.00	0.0	14.255	0.061	0	0	0	1	L
L PC-138683	PC-144091	B	1/0 ACSR	6.99Y	116.5	0.01	9.52	3.85	2	27	3	99	0.00	0.0	13.172	0.078	0	0	0	8	L
L PC-149263	PC-138683	B	1/0 ACSR	6.99Y	116.5	0.01	9.53	3.85	2	27	3	99	0.00	0.0	13.246	0.074	0	0	0	8	L
L PC-143025	PC-149263	B	1/0 ACSR	6.99Y	116.5	0.01	9.54	3.85	2	27	3	99	0.00	0.0	13.338	0.092	0	0	0	8	L
L PC-175096	PC-143025	B	1/0 ACSR	6.99Y	116.5	0.01	9.55	3.85	2	27	3	99	0.00	0.0	13.457	0.119	0	0	0	8	L
L PC-142969	PC-175096	B	1/0 ACSR	6.99Y	116.4	0.01	9.55	3.85	2	27	3	99	0.00	0.0	13.533	0.076	0	0	0	8	L
L PC-175097	PC-142969	B	4 ACSR	6.99Y	116.4	0.01	9.56	3.85	3	27	3	99	0.00	0.0	13.606	0.072	0	0	0	8	L
L PC-144027	PC-175097	B	4 ACSR	6.99Y	116.4	0.00	9.57	0.72	1	5	0	100	0.00	0.0	13.738	0.132	0	0	0	3	L
L PC-150061	PC-144027	B	2 ACSR	6.99Y	116.4	0.00	9.57	0.14	0	1	0	100	0.00	0.0	13.835	0.098	0	0	0	2	L
L PC-141269	PC-150061	B	2 ACSR	6.99Y	116.4	0.00	9.57	0.00	0	0	0	100	0.00	0.0	13.910	0.074	0	0	0	1	L
L PC-142884	PC-141269	B	2 ACSR	6.99Y	116.4	0.00	9.57	0.00	0	0	0	100	0.00	0.0	13.962	0.052	0	0	0	1	L
L PC-140768	PC-175097	B	4 ACSR	6.99Y	116.4	0.02	9.58	3.13	2	22	2	100	0.00	0.0	13.737	0.131	0	0	0	5	L
L PC-144203	PC-140768	B	4 ACSR	6.98Y	116.4	0.00	9.59	2.31	2	16	2	99	0.00	0.0	13.773	0.037	0	0	0	4	L
L PC-143880	PC-144203	B	4 ACSR	6.98Y	116.4	0.00	9.59	1.41	1	10	1	100	0.00	0.0	13.822	0.049	0	0	0	2	L
L PC-150327	PC-143880	B	4 ACSR	6.98Y	116.4	0.00	9.59	1.32	1	9	1	99	0.00	0.0	13.860	0.038	0	0	0	1	L
L PC-142348	PC-144203	B	4 ACSR	6.98Y	116.4	0.00	9.59	0.90	1	6	1	99	0.00	0.0	13.867	0.094	0	0	0	2	L
L PC-142304	PC-142348	B	4 ACSR	6.98Y	116.4	0.00	9.59	0.00	0	0	0	100	0.00	0.0	13.915	0.047	0	0	0	1	L
L PC-142696	PC-138622	ABC	336.4 ACSR	7.01Y	116.9	0.01	9.14	38.12	7	797	87	99	0.04	0.0	12.401	0.035	0	0	0	222	L
L PC-144024	PC-142696	ABC	336.4 ACSR	7.01Y	116.8	0.01	9.16	38.12	7	797	87	99	0.07	0.0	12.460	0.059	0	0	0	222	L
L PC-140596	PC-144024	ABC	336.4 ACSR	7.01Y	116.8	0.02	9.18	38.12	7	797	86	99	0.13	0.0	12.564	0.104	0	0	0	222	L
L PC-143476	PC-140596	ABC	336.4 ACSR	7.01Y	116.8	0.01	9.19	38.12	7	797	86	99	0.07	0.0	12.620	0.056	0	0	0	222	L
L PC-151308	PC-143476	ABC	336.4 ACSR	7.01Y	116.8	0.01	9.20	38.12	7	797	86	99	0.06	0.0	12.667	0.047	0	0	0	222	L
L PC-151307	PC-151308	A	6 ACWC	7.01Y	116.8	0.00	9.20	0.00	0	0	0	100	0.00	0.0	12.756	0.090	0	0	0	0	L
L PC-139981	PC-151307	A	6 ACWC	7.01Y	116.8	0.00	9.20	0.00	0	0	0	100	0.00	0.0	12.835	0.079	0	0	0	0	L
L PC-144095	PC-151308	ABC	336.4 ACSR	7.01Y	116.8	0.01	9.21	38.12	7	797	86	99	0.04	0.0	12.700	0.033	0	0	0	222	L
L PC-143313	PC-144095	ABC	336.4 ACSR	7.01Y	116.8	0.01	9.22	38.12	7	797	86	99	0.05	0.0	12.742	0.042	0	0	0	222	L
L PC-150091	PC-143313	ABC	336.4 ACSR	7.01Y	116.8	0.01	9.23	38.12	7	797	86	99	0.08	0.0	12.804	0.063	0	0	0	222	L
L PC-150237	PC-150091	ABC	336.4 ACSR	7.01Y	116.8	0.01	9.24	38.12	7	797	86	99	0.07	0.0	12.863	0.059	0	0	0	222	L
L PC-150614	PC-150237	ABC	336.4 ACSR	7.00Y	116.7	0.01	9.26	38.12	7	797	85	99	0.07	0.0	12.923	0.060	0	0	0	222	L
L PC-150562	PC-150614	ABC	336.4 ACSR	7.00Y	116.7	0.01	9.27	38.12	7	796	85	99	0.07	0.0	12.981	0.058	0	0	0	222	L
L PC-141993	PC-150562	ABC	336.4 ACSR	7.00Y	116.7	0.01	9.28	38.12	7	796	85	99	0.07	0.0	13.038	0.057	0	0	0	222	L
L PC-142750	PC-141993	ABC	3/0 ACSR	7.00Y	116.7	0.03	9.31	38.12	13	796	85	99	0.17	0.0	13.107	0.069	0	0	0	222	L
L PC-143324	PC-142750	ABC	336.4 ACSR	7.00Y	116.7	0.01	9.32	37.28	7	779	83	99	0.06	0.0	13.157	0.050	0	0	0	218	L
L PC-151975	PC-143324	ABC	336.4 ACSR	7.00Y	116.7	0.01	9.33	36.55	7	763	81	99	0.05	0.0	13.202	0.045	0	0	0	214	L
L PC-151976	PC-151975	ABC	336.4 ACSR	7.00Y	116.7	0.00	9.33	36.20	7	756	80	99	0.02	0.0	13.224	0.022	0	0	0	210	L
L PC-143943	PC-151976	ABC	336.4 ACSR	7.00Y	116.6	0.02	9.35	36.20	7	756	80	99	0.08	0.0	13.298	0.074	0	0	0	210	L
L PC-150173	PC-143943	A	4 ACSR	7.00Y	116.6	0.01	9.36	22.96	16	160	17	99	0.01	0.0	13.304	0.006	0	0	0	47	L
L PC-142356	PC-150173	A	4 ACSR	7.00Y	116.6	0.03	9.39	22.96	16	160	17	99	0.04	0.0	13.334	0.030	0	0	0	47	L
L PC-144207	PC-142356	A	4 ACSR	7.00Y	116.6	0.01	9.39	22.96	16	160	17	99	0.01	0.0	13.340	0.006	0	0	0	47	L
L D4659	PC-144207	A	REC_35_H	7.00Y	116.6	0.00	9.39	22.96	0	160	17	99	0.00	0.0	13.340	0.006	0	0	0	47	L
L PC-142802	D4659	A	4 ACSR	6.99Y	116.5	0.07	9.46	22.96	16	160	17	99	0.09	0.1	13.406	0.066	0	0	0	47	L
L PC-143631	PC-142802	A	4 ACSR	6.99Y	116.5	0.00	9.46	0.88	1	6	1	99	0.00	0.0	13.454	0.048	0	0	0	3	L
L PC-143220	PC-143631	A	4 ACSR	6.99Y	116.5	0.00	9.46	0.88	1	6	1	99	0.00	0.0	13.526	0.072	0	0	0	2	L
L PC-143219	PC-143220	A	4 ACSR	6.99Y	116.5	0.00	9.47	0.73	1	5	1	98	0.00	0.0	13.630	0.104	0	0	0	1	L
L PC-140497	PC-142802	A	4 ACSR	6.99Y	116.5	0.07	9.53	21.84	16	152	16	99	0.09	0.1	13.482	0.075	0	0	0	43	L
L PC-149958	PC-140497	A	4 ACSR	6.98Y	116.4	0.09	9.62	21.84	16	152	16	99	0.11	0.1	13.575	0.093	0	0	0	43	L
L PC-142395	PC-149958	A	4 ACSR	6.98Y	116.3	0.09	9.71	21.84	16	152	16	99	0.11	0.1	13.667	0.092	0	0	0	43	L
L PC-140745	PC-142395	A	4 ACSR	6.97Y	116.2	0.06	9.77	21.84	16	152	16	99	0.08	0.1	13.733	0.066	0	0	0	43	L
L PC-140669	PC-140745	A	4 ACSR	6.97Y	116.2	0.03	9.80	21.52	15	149	16	99	0.04	0.0	13.767	0.034	0	0	0	42	L
L PC-144812	PC-140669	A	4 ACSR	6.97Y	116.2	0.04	9.84	21.52	15	149	16	99	0.05	0.0	13.808	0.041	0	0	0	42	L
L PC-141446	PC-144812	A	4 ACSR	6.97Y	116.1	0.07	9.91	21.52	15	149	16	99	0.08	0.1	13.878	0.070	0	0	0	42	L
L PC-143434	PC-141446	A	4 ACSR	6.96Y	116.0	0.08	9.99	20.11	14	139	15	99	0.09	0.1	13.968	0.090	0	0	0	41	L
L PC-142669	PC-143434	A	4 ACSR	6.96Y	115.9	0.06	10.05	20.11	14	139	14	99	0.07	0.1	14.042	0.074	0	0	0	41	L
L PC-143968	PC-142669	A	4 ACSR	6.95Y	115.9	0.09	10.14	20.11	14	139	14	99	0.10	0.1	14.143	0.101	0	0	0	41	L
L PC-143223	PC-143968	A	4 ACSR	6.95Y	115.8	0.06	10.20	20.11	14	139	14	99	0.07	0.0	14.210	0.067	0	0	0	41	L
L PC-135859	PC-143223	A	4 ACSR	6.94Y	115.7	0.07	10.27	20.11	14	139	14	99	0.09	0.1	14.295	0.085	0	0	0	41	L
L PC-174296	PC-135859	A	4 ACSR	6.94Y	115.7	0.04	10.32	20.11	14	139	14	99	0.05	0.0	14.345	0.051	0	0	0	41	L
L PC-174399	PC-174296	A	4 ACSR	6.94Y	115.7	0.01	10.33	17.77	13	123	13	99	0.01	0.0	14.360	0.014	0	0	0	38	L
L PC-145233	PC-174399	A	4 ACSR	6.94Y	115.6	0.05	10.38	17.77	13	123	13	99	0.05	0.0	14.427	0.067	0	0	0	38	L
L PC-143646	PC-145233	A	4 ACSR	6.93Y	115.5	0.08	10.45	16.75	12	116	12	99	0.07	0.1	14.530	0.103	0	0	0	37	L
L PC-145238	PC-143646	A	6 ACWC	6.93Y	115.5	0.01	10.46	1.49	1	10	1	100	0.00	0.0	14.611	0.081	0	0	0	2	L
L PC-140255	PC-145238	A	6 ACWC	6.93Y	115.5	0.00	10.46	0.00	0	0	0	100	0.00	0.0	14.733	0.123	0	0	0	0	L
L PC-143163	PC-140255	A	6 ACWC	6.93Y	115.5	0.00	10.46	0.00	0	0	0	100	0.00	0.0	14.823	0.090	0	0	0	0	L
L PC-140361	PC-143646	A	4 ACSR	6.93Y	115.5	0.06	10.52	15.27	11	105	11	99	0.06	0.1	14.627	0.097	0	0	0	35	L
L PC-142814	PC-140361	A	4 ACSR	6.93Y	115.4	0.06	10.58	15.27	11	105	11	99	0.05	0.1	14.722	0.095	0	0	0	35	L
L PC-139583	PC-142814	A	4 ACSR	6.92Y	115.3	0.07	10.65	15.27	11	105	11	99	0.06	0.1	14.825	0.103	0	0	0	35	L
L PC-143788	PC-139583	A	4 ACSR	6.92Y	115.3	0.05	10.70	15.27	11	105	11	99	0.04	0.0	14.900	0.075	0	0	0	35	L
L PC-144799	PC-143788	A	4 ACSR	6.91Y	115.2	0.11	10.81	13.41	10	92	9	100	0.08	0.1	15.080	0.180	0	0	0	33	L
L PC-153551	PC-144799	A	4 ACSR	6.91Y	115.1	0.09	10.89	11.76	8	81	8	100	0.06	0.1	15.251	0.171	0	0	0	28	L
L PC-152630	PC-153551	A	4 ACSR	6.91Y	115.1	0.00	10.89	0.13	0	1	0	100	0.00	0.0	15.474	0.223	0	0	0	1	L
L PC-144288	PC-153551	A	4 ACSR	6.90Y	115.0	0.13	11.02	11.24	8	77	8	99	0.08	0.1	15.513	0.262	0	0	0	26	L
L PC-150279	PC-144288	A	4 ACSR	6.90Y	115.0	0.00	11.02	10.63	8	73	7	100	0.00	0.0	15.518	0.006	0	0	0	23	L

Balanced Voltage Drop Report
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Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\BASE WINTER SUB ALLOCATION.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L PC-150280	PC-150279	A	4 ACSR	6.90Y	115.0	0.00	11.03	9.08	6	62	6	100	0.00	0.0	15.528	0.010	0	0	0	20	L
L PC-150579	PC-150280	A	4 ACSR	6.90Y	114.9	0.02	11.05	9.08	6	62	6	100	0.01	0.0	15.591	0.062	0	0	0	20	L
L PC-144282	PC-150579	A	4 ACSR	6.89Y	114.9	0.04	11.09	9.08	6	62	6	100	0.02	0.0	15.693	0.103	0	0	0	20	L
L PC-144283	PC-144282	A	4 ACSR	6.89Y	114.9	0.03	11.12	7.85	6	54	5	100	0.01	0.0	15.777	0.084	0	0	0	19	L
L PC-144963	PC-144283	A	4 ACSR	6.89Y	114.9	0.01	11.13	3.04	2	21	2	100	0.00	0.0	15.847	0.071	0	0	0	7	L
L PC-150045	PC-144963	A	2 ACSR	6.89Y	114.9	0.01	11.14	2.60	1	18	2	99	0.00	0.0	15.955	0.108	0	0	0	6	L
L PC-142066	PC-150045	A	2 ACSR	6.89Y	114.9	0.01	11.15	2.60	1	18	2	99	0.00	0.0	16.066	0.111	0	0	0	6	L
L PC-144150	PC-142066	A	2 ACSR	6.89Y	114.8	0.01	11.16	1.89	1	13	1	100	0.00	0.0	16.201	0.135	0	0	0	3	L
L PC-144151	PC-144150	A	2 ACSR	6.89Y	114.8	0.00	11.16	1.51	1	10	1	100	0.00	0.0	16.216	0.015	0	0	0	2	L
L PC-144201	PC-144151	A	2 ACSR	6.89Y	114.8	0.00	11.16	0.77	0	5	1	98	0.00	0.0	16.245	0.029	0	0	0	1	L
L PC-154535	PC-144201	A	2 ACSR	6.89Y	114.8	0.00	11.16	0.77	0	5	1	98	0.00	0.0	16.353	0.108	0	0	0	1	L
L PC-143832	PC-144150	A	2 ACSR	6.89Y	114.8	0.00	11.16	0.38	0	3	0	100	0.00	0.0	16.291	0.090	0	0	0	1	L
L PC-142571	PC-142066	A	2 ACSR	6.89Y	114.9	0.00	11.15	0.66	0	5	0	100	0.00	0.0	16.129	0.063	0	0	0	2	L
L PC-143617	PC-142571	A	2 ACSR	6.89Y	114.9	0.00	11.15	0.30	0	2	0	100	0.00	0.0	16.156	0.026	0	0	0	1	L
L PC-144020	PC-143617	A	2 ACSR	6.89Y	114.8	0.00	11.15	0.30	0	2	0	100	0.00	0.0	16.229	0.073	0	0	0	1	L
L PC-143719	PC-144020	A	2 ACSR	6.89Y	114.8	0.00	11.15	0.30	0	2	0	100	0.00	0.0	16.292	0.063	0	0	0	1	L
L PC-142634	PC-143719	A	2 ACSR	6.89Y	114.8	0.00	11.15	0.30	0	2	0	100	0.00	0.0	16.354	0.062	0	0	0	1	L
L PC-142610	PC-142634	A	2 ACSR	6.89Y	114.8	0.00	11.15	0.30	0	2	0	100	0.00	0.0	16.377	0.023	0	0	0	1	L
L PC-143336	PC-144283	A	2 ACSR	6.89Y	114.9	0.02	11.14	4.81	3	33	3	100	0.00	0.0	15.905	0.128	0	0	0	12	L
L PC-144229	PC-143336	A	2 ACSR	6.89Y	114.8	0.02	11.16	4.81	3	33	3	100	0.01	0.0	16.066	0.161	0	0	0	12	L
L PC-144732	PC-144229	A	2 ACSR	6.89Y	114.8	0.02	11.19	4.81	3	33	3	100	0.01	0.0	16.235	0.169	0	0	0	12	L
L PC-143730	PC-144732	A	2 ACSR	6.89Y	114.8	0.03	11.22	4.81	3	33	3	100	0.01	0.0	16.478	0.243	0	0	0	12	L
L PC-152745	PC-143730	A	2 ACSR	6.89Y	114.8	0.03	11.25	4.81	3	33	3	100	0.01	0.0	16.664	0.186	0	0	0	12	L
L PC-145016	PC-152745	A	2 ACSR	6.88Y	114.7	0.02	11.26	4.71	3	32	3	100	0.00	0.0	16.777	0.113	0	0	0	11	L
L PC-144222	PC-145016	A	2 ACSR	6.88Y	114.7	0.01	11.27	4.71	3	32	3	100	0.00	0.0	16.861	0.084	0	0	0	11	L
L PC-153427	PC-144222	A	2 ACSR	6.88Y	114.7	0.02	11.29	4.71	3	32	3	100	0.00	0.0	16.975	0.114	0	0	0	11	L
L PC-144019	PC-153427	A	2 ACSR	6.88Y	114.7	0.01	11.30	2.67	1	18	2	99	0.00	0.0	17.063	0.088	0	0	0	9	L
L PC-143936	PC-144019	A	2 ACSR	6.88Y	114.7	0.01	11.30	2.67	1	18	2	99	0.00	0.0	17.140	0.077	0	0	0	9	L
L PC-150627	PC-143936	A	2 ACSR	6.88Y	114.7	0.00	11.30	0.78	0	5	1	98	0.00	0.0	17.184	0.044	0	0	0	2	L
L PC-143955	PC-143936	A	2 ACSR	6.88Y	114.7	0.00	11.31	0.67	0	5	0	100	0.00	0.0	17.213	0.073	0	0	0	5	L
L PC-162980	PC-143955	A	2 ACSR	6.88Y	114.7	0.00	11.31	0.67	0	5	0	100	0.00	0.0	17.328	0.115	0	0	0	5	L
L PC-143309	PC-162980	A	2 ACSR	6.88Y	114.7	0.00	11.31	0.67	0	5	0	100	0.00	0.0	17.357	0.028	0	0	0	5	L
L PC-163381	PC-143309	A	2 ACSR	6.88Y	114.7	0.00	11.31	0.67	0	5	0	100	0.00	0.0	17.496	0.139	0	0	0	4	L
L PC-175572	PC-163381	A	2 ACSR	6.88Y	114.7	0.00	11.31	0.67	0	5	0	100	0.00	0.0	17.653	0.157	0	0	0	4	L
L PC-175573	PC-175572	A	4 ACSR	6.88Y	114.7	0.00	11.31	0.00	0	0	0	100	0.00	0.0	17.745	0.092	0	0	0	1	L
L PC-168872	PC-175573	A	4 ACSR	6.88Y	114.7	0.00	11.31	0.00	0	0	0	100	0.00	0.0	17.817	0.072	0	0	0	0	L
L PC-144245	PC-175573	A	4 ACSR	6.88Y	114.7	0.00	11.31	0.00	0	0	0	100	0.00	0.0	17.852	0.107	0	0	0	1	L
L PC-160483	PC-144245	A	4 ACSR	6.88Y	114.7	0.00	11.31	0.00	0	0	0	100	0.00	0.0	18.009	0.157	0	0	0	1	L
L PC-175571	PC-175572	A	2 ACSR	6.88Y	114.7	0.00	11.32	0.46	0	3	0	100	0.00	0.0	17.763	0.110	0	0	0	1	L
L PC-140290	PC-175571	A	2 ACSR	6.88Y	114.7	0.00	11.32	0.46	0	3	0	100	0.00	0.0	17.836	0.073	0	0	0	1	L
L PC-145057	PC-140290	A	2 ACSR	6.88Y	114.7	0.00	11.32	0.46	0	3	0	100	0.00	0.0	17.905	0.069	0	0	0	1	L
L PC-138901	PC-175572	A	2 ACSR	6.88Y	114.7	0.00	11.31	0.21	0	1	0	100	0.00	0.0	17.747	0.094	0	0	0	2	L
L PC-166263	PC-138901	A	2 ACSR	6.88Y	114.7	0.00	11.32	0.16	0	1	0	100	0.00	0.0	17.884	0.137	0	0	0	1	L
L PC-166361	PC-138901	A	2 ACSR	6.88Y	114.7	0.00	11.31	0.04	0	0	0	100	0.00	0.0	17.795	0.048	0	0	0	1	L
L PC-143717	PC-153427	A	4 ACSR	6.88Y	114.7	0.01	11.30	2.04	1	14	1	100	0.00	0.0	17.064	0.089	0	0	0	2	L
L PC-144017	PC-143717	A	4 ACSR	6.88Y	114.7	0.00	11.30	2.04	1	14	1	100	0.00	0.0	17.078	0.015	0	0	0	2	L
L PC-144992	PC-144017	A	4 ACSR	6.88Y	114.7	0.01	11.31	2.04	1	14	1	100	0.00	0.0	17.186	0.107	0	0	0	2	L
L PC-145317	PC-144992	A	2 ACSR	6.88Y	114.7	0.00	11.31	0.97	1	7	1	99	0.00	0.0	17.205	0.020	0	0	0	1	L
L PC-144986	PC-145317	A	2 ACSR	6.88Y	114.7	0.00	11.31	0.97	1	7	1	99	0.00	0.0	17.292	0.086	0	0	0	1	L
L PC-139310	PC-152745	A	2 ACSR	6.89Y	114.8	0.00	11.25	0.10	0	1	0	100	0.00	0.0	16.722	0.058	0	0	0	1	L
L PC-145766	PC-139310	A	2 ACSR	6.89Y	114.8	0.00	11.25	0.10	0	1	0	100	0.00	0.0	16.832	0.110	0	0	0	1	L
L PC-152740	PC-145766	A	4 ACSR	6.89Y	114.8	0.00	11.25	0.00	0	0	0	100	0.00	0.0	16.922	0.090	0	0	0	0	L
L PC-152739	PC-145766	A	2 ACSR	6.89Y	114.8	0.00	11.25	0.10	0	1	0	100	0.00	0.0	16.923	0.091	0	0	0	1	L
L PC-145157	PC-152739	A	2 ACSR	6.89Y	114.8	0.00	11.25	0.10	0	1	0	100	0.00	0.0	17.024	0.101	0	0	0	1	L
L PC-144061	PC-145157	A	2 ACSR	6.89Y	114.8	0.00	11.25	0.00	0	0	0	100	0.00	0.0	17.119	0.095	0	0	0	0	L
L PC-153533	PC-144061	A	2 ACSR	6.89Y	114.8	0.00	11.25	0.00	0	0	0	100	0.00	0.0	17.187	0.067	0	0	0	0	L
L PC-144223	PC-144282	A	4 ACSR	6.89Y	114.9	0.00	11.10	1.23	1	8	1	99	0.00	0.0	15.744	0.051	0	0	0	1	L
L PC-143568	PC-150279	A	4 ACSR	6.90Y	115.0	0.00	11.03	1.55	1	11	1	100	0.00	0.0	15.570	0.051	0	0	0	3	L
L PC-145395	PC-143568	A	4 ACSR	6.90Y	115.0	0.00	11.03	1.55	1	11	1	100	0.00	0.0	15.578	0.008	0	0	0	3	L
L PC-145162	PC-145395	A	4 ACSR	6.90Y	115.0	0.00	11.03	0.52	0	4	0	100	0.00	0.0	15.739	0.161	0	0	0	2	L
L PC-145078	PC-145395	A	2 ACSR	6.90Y	115.0	0.00	11.03	1.03	1	7	1	99	0.00	0.0	15.605	0.027	0	0	0	1	L
L PC-144231	PC-144288	A	4 ACSR	6.90Y	115.0	0.00	11.02	0.01	0	0	0	100	0.00	0.0	15.667	0.154	0	0	0	1	L
L PC-144843	PC-144799	A	4 ACSR	6.91Y	115.2	0.01	10.82	1.25	1	9	1	99	0.00	0.0	15.329	0.249	0	0	0	3	L
L PC-142612	PC-144843	A	4 ACSR	6.91Y	115.2	0.01	10.83	1.25	1	9	1	99	0.00	0.0	15.519	0.190	0	0	0	3	L
L PC-152631	PC-142612	A	4 ACSR	6.91Y	115.2	0.01	10.84	1.25	1	9	1	99	0.00	0.0	15.668	0.149	0	0	0	3	L
L PC-140488	PC-152631	A	2 ACSR	6.91Y	115.2	0.00	10.84	0.00	0	0	0	100	0.00	0.0	15.750	0.083	0	0	0	0	L
L PC-144556	PC-140488	A	2 ACSR	6.91Y	115.2	0.00	10.84	0.00	0	0	0	100	0.00	0.0	15.862	0.112	0	0	0	0	L
L PC-139309	PC-152631	A	4 ACSR	6.91Y	115.2	0.01	10.85	1.25	1	9	1	99	0.00	0.0	15.809	0.142	0	0	0	3	L
L PC-145167	PC-139309	A	4 ACSR	6.91Y	115.1	0.01	10.85	1.25	1	9	1	99	0.00	0.0	15.925	0.115	0	0	0	3	L
L PC-143844	PC-145167	A	4 ACSR	6.91Y	115.1	0.00	10.86	0.63	0	4	0	100	0.00	0.0	16.071	0.147	0	0	0	2	L
L PC-144254	PC-143844	A	4 ACSR	6.91Y	115.1	0.00	10.86	0.20	0	1	0	100	0.00	0.0	16.096	0.025	0	0	0	1	L
L PC-145398	PC-144254	A	4 ACSR	6.91Y	115.1	0.00	10.86	0.20	0	1	0	100	0.00	0.0	16.145	0.049	0	0	0	1	L
L PC-153426	PC-145398	A	4 ACSR	6.91Y	115.1	0.00	10.86	0.20	0	1	0	100	0.00	0.0	16.223	0.078	0	0	0	1	L
L PC-143729	PC-139309	A	2 ACSR	6.91Y	115.2	0.00	10.85	0.00	0	0	0	100	0.00	0.0	15.882	0.073	0	0	0	0	L
L PC-150138	PC-142612	A	4 ACSR	6.91Y	115.2	0.00	10.83	0.00	0	0	0	100	0.00	0.0	15.591	0.073	0	0	0	0	L
L PC-144800	PC-144799	A	4 ACSR	6.91Y	115.2	0.00	10.81	0.00	0	0	0	100	0.00	0.0	15.209	0.129	0	0	0	0	L
L PC-145753	PC-144800	A	4 ACSR	6.91Y	115.2	0.00	10.81	0.00	0	0	0	100	0.00	0.0	15.304	0.095	0	0	0	0	L
L PC-144779	PC-145753	A	4 ACSR	6.91Y	115.2	0.00	10.81	0.00	0	0	0	100	0.00	0.0	15.395	0.092	0	0	0	0	L
L PC-143789	PC-144779	A	4 ACSR	6.91Y	115.2	0.00	10.81	0.00	0	0	0	100	0.00	0.0	15.527	0.132	0	0	0	0	L
L PC-144798	PC-144799	A	4 ACSR	6.91Y	115.2	0.00	10.81	0.27	0	2	0	100	0.00	0.0	15.117	0.037	0	0	0	1	L

Balanced Voltage Drop Report
Source: HEADQUARTERS

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\BASE WINTER SUB ALLOCATION.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Cons On	Cons Thru	
L PC-152287	PC-144798	A	4 ACSR	6.91Y	115.2	0.00	10.81	0.27	0	2	0	100	0.00	0.0	15.159	0.042	0	0	0	1	L
L PC-143244	PC-174399	A	2 ACSR	6.94Y	115.7	0.00	10.33	0.00	0	0	0	100	0.00	0.0	14.409	0.049	0	0	0	0	L
L PC-142992	PC-174296	A	4 ACSR	6.94Y	115.7	0.01	10.33	2.34	2	16	2	99	0.00	0.0	14.450	0.104	0	0	0	3	L
L PC-177363	PC-142992	A	2 ACSR	6.94Y	115.7	0.00	10.33	1.28	1	9	1	99	0.00	0.0	14.468	0.018	0	0	0	1	L
L PC-177364	PC-177363	A	2 ACSR	6.94Y	115.7	0.00	10.33	1.28	1	9	1	99	0.00	0.0	14.546	0.078	0	0	0	1	L
L PC-148963	PC-143943	ABC	336.4 ACSR	7.00Y	116.6	0.01	9.36	27.76	5	580	62	99	0.05	0.0	13.369	0.071	0	0	0	158	L
L PC-139709	PC-148963	ABC	336.4 ACSR	7.00Y	116.6	0.01	9.37	27.76	5	579	61	99	0.05	0.0	13.446	0.077	0	0	0	158	L
L PC-142355	PC-139709	ABC	336.4 ACSR	7.00Y	116.6	0.01	9.39	26.76	5	559	59	99	0.05	0.0	13.533	0.087	0	0	0	155	L
L PC-141422	PC-142355	ABC	336.4 ACSR	7.00Y	116.6	0.01	9.39	26.76	5	559	59	99	0.03	0.0	13.582	0.049	0	0	0	155	L
L PC-150177	PC-141422	ABC	336.4 ACSR	7.00Y	116.6	0.01	9.41	26.32	5	549	58	99	0.05	0.0	13.665	0.083	0	0	0	154	L
L PC-150175	PC-150177	C	2 ACSR	7.00Y	116.6	0.00	9.41	0.00	0	0	0	100	0.00	0.0	13.669	0.004	0	0	0	1	L
L PC-150176	PC-150175	C	2 ACSR	7.00Y	116.6	0.00	9.41	0.00	0	0	0	100	0.00	0.0	13.715	0.046	0	0	0	1	L
L PC-143330	PC-150177	ABC	336.4 ACSR	7.00Y	116.6	0.01	9.41	26.26	5	548	58	99	0.03	0.0	13.715	0.050	0	0	0	152	L
L PC-142935	PC-143330	C	6 ACWC	6.99Y	116.6	0.01	9.42	1.39	1	10	1	100	0.00	0.0	13.811	0.096	0	0	0	2	L
L PC-143443	PC-142935	C	4 ACSR	6.99Y	116.6	0.00	9.42	1.04	1	7	1	99	0.00	0.0	13.834	0.023	0	0	0	1	L
L PC-142845	PC-142935	C	6 ACWC	6.99Y	116.6	0.00	9.42	0.34	0	2	0	100	0.00	0.0	13.845	0.034	0	0	0	1	L
L PC-148965	PC-142845	C	6 ACWC	6.99Y	116.6	0.00	9.42	0.34	0	2	0	100	0.00	0.0	13.918	0.073	0	0	0	1	L
L PC-140257	PC-143330	ABC	336.4 ACSR	6.99Y	116.6	0.01	9.42	25.49	5	532	56	99	0.03	0.0	13.770	0.055	0	0	0	149	L
L PC-148976	PC-140257	ABC	336.4 ACSR	6.99Y	116.6	0.00	9.42	25.49	5	532	56	99	0.00	0.0	13.776	0.006	0	0	0	149	L
L D4667	PC-148976	ABC	REC_50_H	6.99Y	116.6	0.00	9.42	25.49	0	532	56	99	0.00	0.0	13.776	0.006	0	0	0	149	L
L PC-144010	D4667	ABC	336.4 ACSR	6.99Y	116.6	0.01	9.43	25.49	5	532	56	99	0.03	0.0	13.827	0.051	0	0	0	149	L
L PC-149140	PC-144010	ABC	336.4 ACSR	6.99Y	116.6	0.01	9.44	25.49	5	532	56	99	0.03	0.0	13.874	0.047	0	0	0	149	L
L PC-140369	PC-149140	ABC	336.4 ACSR	6.99Y	116.6	0.01	9.44	25.49	5	532	56	99	0.03	0.0	13.921	0.047	0	0	0	149	L
L PC-144125	PC-140369	ABC	336.4 ACSR	6.99Y	116.5	0.01	9.45	25.49	5	532	56	99	0.03	0.0	13.978	0.057	0	0	0	149	L
L PC-143302	PC-144125	ABC	336.4 ACSR	6.99Y	116.5	0.01	9.46	25.49	5	532	56	99	0.03	0.0	14.035	0.057	0	0	0	149	L
L PC-143925	PC-143302	ABC	336.4 ACSR	6.99Y	116.5	0.01	9.47	25.49	5	532	56	99	0.03	0.0	14.092	0.057	0	0	0	149	L
L PC-143657	PC-143925	C	4 ACSR	6.99Y	116.5	0.00	9.47	1.21	1	8	1	99	0.00	0.0	14.098	0.006	0	0	0	1	L
L PC-150618	PC-143657	C	4 ACSR	6.99Y	116.5	0.00	9.47	1.21	1	8	1	99	0.00	0.0	14.114	0.016	0	0	0	1	L
L PC-142719	PC-150618	C	4 ACSR	6.99Y	116.5	0.00	9.47	1.21	1	8	1	99	0.00	0.0	14.165	0.051	0	0	0	1	L
L PC-143301	PC-142719	C	4 ACSR	6.99Y	116.5	0.00	9.48	1.21	1	8	1	99	0.00	0.0	14.230	0.065	0	0	0	1	L
L PC-143206	PC-143925	ABC	336.4 ACSR	6.99Y	116.5	0.01	9.48	25.09	5	523	55	99	0.03	0.0	14.145	0.054	0	0	0	148	L
L PC-142264	PC-143206	ABC	336.4 ACSR	6.99Y	116.5	0.01	9.48	25.09	5	523	55	99	0.03	0.0	14.198	0.052	0	0	0	148	L
L PC-144317	PC-142264	ABC	336.4 ACSR	6.99Y	116.5	0.01	9.49	25.09	5	523	55	99	0.03	0.0	14.250	0.052	0	0	0	148	L
L PC-168134	PC-144317	B	6 ACWC	6.99Y	116.5	0.00	9.49	7.10	5	49	5	99	0.00	0.0	14.254	0.005	0	0	0	20	L
L D100987	PC-168134	B	REC_35_H	6.99Y	116.5	0.00	9.49	7.10	0	49	5	99	0.00	0.0	14.254	0.005	0	0	0	20	L
L PC-167850	D100987	B	6 ACWC	6.99Y	116.5	0.01	9.51	7.10	5	49	5	99	0.00	0.0	14.295	0.040	0	0	0	20	L
L PC-167849	PC-167850	B	6 ACWC	6.99Y	116.5	0.01	9.52	6.04	4	42	4	100	0.00	0.0	14.334	0.039	0	0	0	19	L
L PC-149995	PC-167849	B	6 ACWC	6.99Y	116.5	0.02	9.54	6.04	4	42	4	100	0.01	0.0	14.419	0.085	0	0	0	19	L
L PC-143927	PC-149995	B	2 ACSR	6.99Y	116.5	0.00	9.54	0.74	0	5	1	98	0.00	0.0	14.455	0.036	0	0	0	1	L
L PC-143926	PC-149995	B	6 ACWC	6.99Y	116.4	0.02	9.56	5.31	4	37	4	99	0.01	0.0	14.508	0.089	0	0	0	18	L
L PC-149961	PC-143926	B	4 ACSR	6.99Y	116.4	0.00	9.56	1.01	1	7	1	99	0.00	0.0	14.602	0.094	0	0	0	1	L
L PC-140224	PC-143926	B	6 ACWC	6.99Y	116.4	0.02	9.58	4.29	3	30	3	100	0.01	0.0	14.622	0.114	0	0	0	17	L
L PC-140183	PC-140224	B	6 ACWC	6.98Y	116.4	0.02	9.60	3.69	3	26	3	99	0.00	0.0	14.759	0.137	0	0	0	16	L
L PC-144259	PC-140183	B	6 ACWC	6.98Y	116.4	0.02	9.62	2.99	2	21	2	100	0.00	0.0	14.932	0.172	0	0	0	14	L
L PC-150064	PC-144259	B	4 ACSR	6.98Y	116.4	0.00	9.62	0.00	0	0	0	100	0.00	0.0	15.010	0.078	0	0	0	0	L
L PC-150438	PC-150064	B	4 ACSR	6.98Y	116.4	0.00	9.62	0.00	0	0	0	100	0.00	0.0	15.108	0.099	0	0	0	0	L
L PC-139672	PC-150438	B	4 ACSR	6.98Y	116.4	0.00	9.62	0.00	0	0	0	100	0.00	0.0	15.194	0.086	0	0	0	0	L
L PC-139710	PC-144259	B	6 ACWC	6.98Y	116.4	0.02	9.64	2.99	2	21	2	100	0.00	0.0	15.081	0.150	0	0	0	14	L
L PC-143461	PC-139710	B	6 ACWC	6.98Y	116.4	0.00	9.65	2.58	2	18	2	99	0.00	0.0	15.121	0.040	0	0	0	10	L
L PC-147998	PC-143461	B	6 ACWC	6.98Y	116.3	0.02	9.66	2.58	2	18	2	99	0.00	0.0	15.275	0.154	0	0	0	10	L
L PC-133567	PC-147998	B	6 ACWC	6.98Y	116.3	0.01	9.68	2.58	2	18	2	99	0.00	0.0	15.392	0.117	0	0	0	10	L
L PC-143058	PC-133567	B	6 ACWC	6.98Y	116.3	0.01	9.69	2.58	2	18	2	99	0.00	0.0	15.481	0.089	0	0	0	10	L
L PC-143453	PC-143058	B	4 ACSR	6.98Y	116.3	0.00	9.69	0.27	0	2	0	100	0.00	0.0	15.525	0.044	0	0	0	1	L
L PC-142365	PC-143058	B	6 ACWC	6.98Y	116.3	0.01	9.70	2.32	2	16	2	99	0.00	0.0	15.570	0.089	0	0	0	9	L
L PC-181208	PC-142365	B	4 ACSR	6.98Y	116.3	0.00	9.70	0.00	0	0	0	100	0.00	0.0	15.656	0.086	0	0	0	0	L
L PC-181209	PC-181208	B	4 ACSR	6.98Y	116.3	0.00	9.70	0.00	0	0	0	100	0.00	0.0	15.656	0.000	0	0	0	0	L
L PC-148951	PC-142365	B	6 ACWC	6.98Y	116.3	0.01	9.70	2.24	2	16	2	99	0.00	0.0	15.626	0.056	0	0	0	8	L
L PC-149607	PC-148951	B	6 ACWC	6.98Y	116.3	0.00	9.70	2.24	2	16	2	99	0.00	0.0	15.650	0.024	0	0	0	8	L
L PC-150248	PC-149607	B	2 ACSR	6.98Y	116.3	0.00	9.70	0.49	0	3	0	100	0.00	0.0	15.678	0.028	0	0	0	4	L
L PC-155646	PC-150248	B	1/0 URD PR	6.98Y	116.3	0.00	9.70	0.00	0	0	0	100	0.00	0.0	15.704	0.026	0	0	0	3	L
L PC-155647	PC-155646	B	1/0 URD PR	6.98Y	116.3	0.00	9.70	0.00	0	0	0	100	0.00	0.0	15.731	0.028	0	0	0	2	L
L PC-155440	PC-155647	B	1/0 URD PR	6.98Y	116.3	0.00	9.70	0.00	0	0	0	100	0.00	0.0	15.778	0.046	0	0	0	1	L
L PC-149608	PC-149607	B	6 ACWC	6.98Y	116.3	0.00	9.71	1.75	1	12	1	100	0.00	0.0	15.683	0.033	0	0	0	4	L
L PC-138889	PC-149608	B	6 ACWC	6.98Y	116.3	0.00	9.71	1.00	1	7	1	99	0.00	0.0	15.748	0.065	0	0	0	3	L
L PC-143033	PC-138889	B	4 ACSR	6.98Y	116.3	0.00	9.71	1.00	1	7	1	99	0.00	0.0	15.838	0.090	0	0	0	1	L
L PC-138293	PC-143033	B	4 ACSR	6.98Y	116.3	0.00	9.71	1.00	1	7	1	99	0.00	0.0	15.887	0.050	0	0	0	1	L
L PC-135881	PC-138293	B	4 ACSR	6.98Y	116.3	0.00	9.72	1.00	1	7	1	99	0.00	0.0	15.952	0.064	0	0	0	1	L
L PC-141284	PC-135881	B	4 ACSR	6.98Y	116.3	0.00	9.72	1.00	1	7	1	99	0.00	0.0	15.977	0.025	0	0	0	1	L
L PC-140535	PC-135881	B	4 ACSR	6.98Y	116.3	0.00	9.72	0.00	0	0	0	100	0.00	0.0	16.019	0.067	0	0	0	0	L
L PC-141278	PC-140535	B	4 ACSR	6.98Y	116.3	0.00	9.72	0.00	0	0	0	100	0.00	0.0	16.071	0.052	0	0	0	0	L
L PC-138621	PC-138889	B	4 ACSR	6.98Y	116.3	0.00	9.71	0.00	0	0	0	100	0.00	0.0	15.839	0.091	0	0	0	1	L
L PC-143431	PC-139710	B	2 ACSR	6.98Y	116.4	0.00	9.64	0.40	0	3	0	100	0.00	0.0	15.133	0.052	0	0	0	4	L
L PC-139504	PC-143431	B	2 ACSR	6.98Y	116.4	0.00	9.64	0.40	0	3	0	100	0.00	0.0	15.262	0.129	0	0	0	4	L
L PC-140434	PC-139504	B	2 ACSR	6.98Y	116.4	0.00	9.65	0.40	0	3	0	100	0.00	0.0	15.371	0.109	0	0	0	4	L
L PC-150090	PC-140434	B	2 ACSR	6.98Y	116.4	0.00	9.65	0.40	0	3	0	100	0.00	0.0	15.446	0.075	0	0	0	4	L
L PC-150330	PC-150090	B	4 ACSR	6.98Y	116.4	0.00	9.65	0.35	0	2	0	100	0.00	0.0	15.527	0.081	0	0	0	1	L
L PC-148981	PC-150330	B	4 ACSR	6.98Y	116.4	0.00	9.65	0.00	0	0	0	100	0.00	0.0	15.607	0.079	0	0	0	0	L
L PC-143314	PC-150090	B	2 ACSR	6.98Y	116.4	0.00	9.65	0.04	0	0	0	100	0.00	0.0	15.586	0.140	0	0	0	2	L
L PC-143481	PC-143314	B	4 ACSR	6.98Y	116.4	0.00	9.65	0.04	0	0	0	100	0.00	0.0	15.724	0.138	0	0	0	1	L
L PC-141968	PC-143314	B	2 ACSR	6.98Y	116.4	0.00	9.65	0.00	0	0	0	100	0.00	0.0	15.815	0.229	0	0	0	1	L

Balanced Voltage Drop Report
Source: HEADQUARTERS

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\BASE WINTER SUB ALLOCATION.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Cons On	Cons Thru	
L PC-139477	PC-141968	B	2 ACSR	6.98Y	116.4	0.00	9.65	0.00	0	0	0	100	0.00	0.0	16.012	0.198	0	0	0	1	L
L PC-143819	PC-139477	B	2 ACSR	6.98Y	116.4	0.00	9.65	0.00	0	0	0	100	0.00	0.0	16.086	0.073	0	0	0	1	L
L PC-141397	PC-150090	B	2 ACSR	6.98Y	116.4	0.00	9.65	0.01	0	0	0	100	0.00	0.0	15.495	0.049	0	0	0	1	L
L PC-140363	PC-141397	B	2 ACSR	6.98Y	116.4	0.00	9.65	0.01	0	0	0	100	0.00	0.0	15.583	0.088	0	0	0	1	L
L PC-144011	PC-140183	B	4 ACSR	6.98Y	116.4	0.00	9.60	0.70	1	5	0	100	0.00	0.0	14.845	0.085	0	0	0	2	L
L PC-145852	PC-144011	B	4 ACSR	6.98Y	116.4	0.00	9.61	0.70	1	5	0	100	0.00	0.0	14.903	0.059	0	0	0	2	L
L PC-144931	PC-144317	ABC	4 ACSR	6.99Y	116.5	0.05	9.54	22.53	16	470	49	99	0.20	0.0	14.309	0.059	0	0	0	127	L
L PC-141997	PC-144931	ABC	4 ACSR	6.98Y	116.4	0.04	9.58	22.53	16	470	49	99	0.16	0.0	14.357	0.048	0	0	0	127	L
L PC-140173	PC-141997	ABC	4 ACSR	6.98Y	116.4	0.04	9.63	22.53	16	469	49	99	0.16	0.0	14.405	0.048	0	0	0	127	L
L PC-143432	PC-140173	C	2 ACSR	6.98Y	116.4	0.00	9.63	1.24	1	9	1	99	0.00	0.0	14.411	0.007	0	0	0	1	L
L PC-140174	PC-143432	C	2 ACSR	6.98Y	116.4	0.00	9.63	1.24	1	9	1	99	0.00	0.0	14.430	0.019	0	0	0	1	L
L PC-142602	PC-140174	C	2 ACSR	6.98Y	116.4	0.00	9.63	1.24	1	9	1	99	0.00	0.0	14.494	0.064	0	0	0	1	L
L PC-142671	PC-142602	C	2 ACSR	6.98Y	116.4	0.00	9.63	1.24	1	9	1	99	0.00	0.0	14.584	0.089	0	0	0	1	L
L PC-143151	PC-140173	ABC	4 ACSR	6.98Y	116.3	0.05	9.68	21.81	16	454	48	99	0.19	0.0	14.464	0.059	0	0	0	125	L
L PC-142978	PC-143151	ABC	4 ACSR	6.98Y	116.3	0.07	9.75	21.81	16	454	48	99	0.28	0.1	14.551	0.088	0	0	0	125	L
L PC-175393	PC-142978	A	4 ACSR	6.97Y	116.2	0.00	9.75	0.54	0	4	0	100	0.00	0.0	14.628	0.076	0	0	0	3	L
L PC-142819	PC-175393	A	2 ACSR	6.97Y	116.2	0.00	9.75	0.08	0	1	0	100	0.00	0.0	14.699	0.071	0	0	0	2	L
L PC-143967	PC-142978	ABC	4 ACSR	6.97Y	116.2	0.07	9.81	21.63	15	450	47	99	0.25	0.1	14.629	0.078	0	0	0	122	L
L PC-137273	PC-143967	ABC	4 ACSR	6.97Y	116.1	0.07	9.88	21.63	15	450	47	99	0.26	0.1	14.712	0.083	0	0	0	122	L
L PC-140491	PC-137273	ABC	4 ACSR	6.96Y	116.1	0.06	9.94	21.63	15	450	47	99	0.23	0.1	14.784	0.072	0	0	0	122	L
L PC-140373	PC-140491	ABC	4 ACSR	6.96Y	116.0	0.08	10.02	21.63	15	449	47	99	0.30	0.1	14.880	0.096	0	0	0	122	L
L PC-142180	PC-140373	B	4 ACSR	6.96Y	116.0	0.00	10.02	0.00	0	0	0	100	0.00	0.0	14.919	0.039	0	0	0	1	L
L PC-144352	PC-142180	B	4 ACSR	6.96Y	116.0	0.00	10.02	0.00	0	0	0	100	0.00	0.0	14.989	0.070	0	0	0	1	L
L PC-142058	PC-140373	ABC	4 ACSR	6.96Y	115.9	0.04	10.06	21.63	15	449	47	99	0.15	0.0	14.929	0.049	0	0	0	121	L
L PC-145232	PC-142058	ABC	4 ACSR	6.95Y	115.9	0.05	10.11	21.63	15	449	47	99	0.18	0.0	14.986	0.057	0	0	0	121	L
L PC-144696	PC-145232	ABC	4 ACSR	6.95Y	115.8	0.05	10.16	21.63	15	449	47	99	0.19	0.0	15.048	0.062	0	0	0	121	L
L PC-143140	PC-144696	ABC	4 ACSR	6.94Y	115.7	0.09	10.25	21.63	15	449	47	99	0.33	0.1	15.154	0.106	0	0	0	121	L
L PC-152374	PC-143140	ABC	4 ACSR	6.94Y	115.6	0.10	10.35	21.63	15	448	46	99	0.38	0.1	15.274	0.120	0	0	0	121	L
L PC-149756	PC-152374	B	6 ACWC	6.94Y	115.6	0.00	10.35	0.18	0	1	0	100	0.00	0.0	15.353	0.078	0	0	0	1	L
L PC-140256	PC-152374	ABC	4 ACSR	6.94Y	115.6	0.03	10.38	21.23	15	440	46	99	0.11	0.0	15.312	0.038	0	0	0	119	L
L PC-143162	PC-140256	ABC	4 ACSR	6.93Y	115.6	0.04	10.43	21.23	15	440	45	99	0.15	0.0	15.363	0.051	0	0	0	119	L
L PC-142593	PC-143162	ABC	4 ACSR	6.93Y	115.5	0.10	10.53	21.23	15	439	45	99	0.37	0.1	15.485	0.122	0	0	0	119	L
L PC-142595	PC-142593	ABC	4 ACSR	6.92Y	115.4	0.07	10.59	21.23	15	439	45	99	0.25	0.1	15.568	0.083	0	0	0	119	L
L PC-167803	PC-142595	A	2 ACSR	6.92Y	115.4	0.02	10.61	6.68	4	46	5	99	0.01	0.0	15.648	0.081	0	0	0	14	L
L PC-167804	PC-167803	A	2 ACSR	6.92Y	115.4	0.01	10.62	6.68	4	46	5	99	0.00	0.0	15.704	0.056	0	0	0	14	L
L PC-174144	PC-167804	A	2 ACSR	6.92Y	115.4	0.01	10.63	6.68	4	46	5	99	0.00	0.0	15.748	0.044	0	0	0	13	L
L PC-167896	PC-174144	A	6 ACWC	6.92Y	115.4	0.00	10.63	6.68	5	46	5	99	0.00	0.0	15.751	0.003	0	0	0	13	L
L D100985	PC-167896	A	REC_35_H	6.92Y	115.4	0.00	10.63	6.68	0	46	5	99	0.00	0.0	15.751	0.003	0	0	0	13	L
L PC-168133	D100985	A	6 ACWC	6.92Y	115.4	0.02	10.65	6.68	5	46	5	99	0.01	0.0	15.811	0.059	0	0	0	13	L
L PC-143661	PC-168133	A	6 ACWC	6.92Y	115.3	0.02	10.67	6.68	5	46	5	99	0.01	0.0	15.894	0.083	0	0	0	13	L
L PC-151875	PC-143661	A	4 ACSR	6.92Y	115.3	0.00	10.67	1.06	1	7	1	99	0.00	0.0	15.927	0.033	0	0	0	1	L
L PC-151874	PC-143661	A	6 ACWC	6.92Y	115.3	0.02	10.69	4.94	4	34	3	100	0.01	0.0	16.001	0.107	0	0	0	8	L
L PC-149769	PC-151874	A	6 ACWC	6.92Y	115.3	0.01	10.71	3.92	3	27	3	99	0.00	0.0	16.081	0.080	0	0	0	7	L
L PC-144175	PC-149769	A	6 ACWC	6.92Y	115.3	0.01	10.72	3.92	3	27	3	99	0.00	0.0	16.137	0.056	0	0	0	7	L
L PC-134751	PC-144175	A	6 ACWC	6.92Y	115.3	0.01	10.73	3.92	3	27	3	99	0.00	0.0	16.206	0.068	0	0	0	7	L
L PC-150634	PC-134751	A	6 ACWC	6.92Y	115.3	0.01	10.74	2.42	2	17	2	99	0.00	0.0	16.319	0.113	0	0	0	5	L
L PC-143154	PC-150634	A	6 ACWC	6.92Y	115.3	0.01	10.75	2.42	2	17	2	99	0.00	0.0	16.383	0.064	0	0	0	5	L
L PC-142927	PC-143154	A	6 ACWC	6.91Y	115.2	0.01	10.75	2.42	2	17	2	99	0.00	0.0	16.451	0.068	0	0	0	5	L
L PC-143169	PC-142927	A	6 ACWC	6.91Y	115.2	0.01	10.76	2.42	2	17	2	99	0.00	0.0	16.538	0.087	0	0	0	5	L
L PC-144109	PC-143169	A	4 ACSR	6.91Y	115.2	0.00	10.77	1.02	1	7	1	99	0.00	0.0	16.601	0.064	0	0	0	2	L
L PC-144637	PC-144109	A	4 ACSR	6.91Y	115.2	0.00	10.77	0.43	0	3	0	100	0.00	0.0	16.652	0.050	0	0	0	1	L
L PC-142012	PC-143169	A	6 ACWC	6.91Y	115.2	0.00	10.77	1.40	1	10	1	100	0.00	0.0	16.612	0.074	0	0	0	3	L
L PC-140838	PC-142012	A	4 ACSR	6.91Y	115.2	0.00	10.77	1.40	1	10	1	100	0.00	0.0	16.681	0.069	0	0	0	2	L
L PC-140746	PC-140838	A	4 ACSR	6.91Y	115.2	0.00	10.78	1.40	1	10	1	100	0.00	0.0	16.756	0.075	0	0	0	2	L
L PC-142722	PC-140746	A	4 ACSR	6.91Y	115.2	0.00	10.78	0.49	0	3	0	100	0.00	0.0	16.821	0.064	0	0	0	1	L
L PC-139789	PC-142012	A	6 ACWC	6.91Y	115.2	0.00	10.77	0.00	0	0	0	100	0.00	0.0	16.705	0.093	0	0	0	1	L
L PC-142397	PC-139789	A	6 ACWC	6.91Y	115.2	0.00	10.77	0.00	0	0	0	100	0.00	0.0	16.806	0.101	0	0	0	1	L
L PC-149959	PC-142397	A	6 ACWC	6.91Y	115.2	0.00	10.77	0.00	0	0	0	100	0.00	0.0	16.826	0.020	0	0	0	1	L
L PC-150406	PC-149959	A	6 ACWC	6.91Y	115.2	0.00	10.77	0.00	0	0	0	100	0.00	0.0	16.878	0.052	0	0	0	1	L
L PC-150407	PC-150406	A	8 ACWC	6.91Y	115.2	0.00	10.77	0.00	0	0	0	100	0.00	0.0	16.919	0.041	0	0	0	1	L
L PC-151763	PC-143661	A	4 ACSR	6.92Y	115.3	0.00	10.67	0.02	0	0	0	100	0.00	0.0	15.977	0.083	0	0	0	1	L
L PC-145231	PC-151763	A	4 ACSR	6.92Y	115.3	0.00	10.67	0.02	0	0	0	100	0.00	0.0	16.056	0.079	0	0	0	1	L
L PC-144195	PC-143661	A	4 ACSR	6.92Y	115.3	0.00	10.67	0.65	0	4	0	100	0.00	0.0	16.009	0.116	0	0	0	3	L
L PC-142060	PC-144195	A	4 ACSR	6.92Y	115.3	0.00	10.68	0.65	0	4	0	100	0.00	0.0	16.070	0.061	0	0	0	3	L
L PC-143704	PC-142060	A	4 ACSR	6.92Y	115.3	0.00	10.68	0.00	0	0	0	100	0.00	0.0	16.182	0.111	0	0	0	1	L
L PC-167848	PC-167804	A	6 ACWC	6.92Y	115.4	0.00	10.62	0.00	0	0	0	100	0.00	0.0	15.707	0.003	0	0	0	1	L
L PC-167802	PC-167848	A	6 ACWC	6.92Y	115.4	0.00	10.62	0.00	0	0	0	100	0.00	0.0	15.780	0.073	0	0	0	1	L
L PC-143502	PC-142595	A	4 ACSR	6.92Y	115.4	0.00	10.59	0.28	0	2	0	100	0.00	0.0	15.645	0.077	0	0	0	2	L
L PC-143352	PC-143502	A	4 ACSR	6.92Y	115.4	0.00	10.60	0.28	0	2	0	100	0.00	0.0	15.737	0.092	0	0	0	2	L
L PC-145150	PC-143352	A	4 ACSR	6.92Y	115.4	0.00	10.60	0.00	0	0	0	100	0.00	0.0	15.855	0.119	0	0	0	0	L
L PC-147056	PC-145150	A	4 ACSR	6.92Y	115.4	0.00	10.60	0.00	0	0	0	100	0.00	0.0	15.994	0.138	0	0	0	0	L
L PC-144253	PC-143352	A	6 ACWC	6.92Y	115.4	0.00	10.60	0.28	0	2	0	100	0.00	0.0	15.819	0.082	0	0	0	2	L
L PC-145045	PC-144253	A	6 ACWC	6.92Y	115.4	0.00	10.60	0.28	0	2	0	100	0.00	0.0	15.884	0.066	0	0	0	2	L
L PC-153535	PC-145045	A	4 ACSR	6.92Y	115.4	0.00	10.60	0.04	0	0	0	100	0.00	0.0	15.931	0.047	0	0	0	1	L
L PC-139930	PC-142595	ABC	4 ACSR	6.92Y	115.4	0.04	10.63	18.91	14	391	40	99	0.13	0.0	15.622	0.055	0	0	0	103	L
L PC-144178	PC-139930	ABC	4 ACSR	6.92Y	115.3	0.09	10.72	18.91	14	391	40	99	0.28	0.1	15.740	0.118	0	0	0	103	L
L PC-144177	PC-144178	C	4 ACSR	6.92Y	115.3	0.00	10.72	0.04	0	0	0	100	0.00	0.0	15.788	0.047	0	0	0	2	L
L PC-142991	PC-144178	ABC	4 ACSR	6.91Y	115.2	0.05	10.77	18.90	13	390	40	99	0.15	0.0	15.804	0.064	0	0	0	101	L
L PC-143241	PC-142991	C	4 ACSR	6.91Y	115.2	0.00	10.77	0.73	1	5	1	98	0.00	0.0	15.863	0.059	0	0	0	2	L
L PC-139572	PC-142991	ABC	4 ACSR	6.91Y	115.2	0.04	10.80	18.66	13	385	40	99	0.12	0.0	15.853	0.049	0	0	0	99	L

Balanced Voltage Drop Report
Source: HEADQUARTERS

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\BASE WINTER SUB ALLOCATION.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Cons On	Cons Thru	
L PC-140630	PC-139572	ABC	4 ACSR	6.91Y	115.2	0.03	10.83	18.66	13	385	40	99	0.10	0.0	15.895	0.041	0	0	0	99	L
L PC-160097	PC-140630	B	4 ACSR	6.91Y	115.2	0.01	10.84	3.89	3	27	3	99	0.00	0.0	15.952	0.057	0	0	0	6	L
L PC-160409	PC-160097	B	4 ACSR	6.91Y	115.2	0.00	10.84	1.57	1	11	1	100	0.00	0.0	15.985	0.033	0	0	0	3	L
L PC-144176	PC-160409	B	4 ACSR	6.91Y	115.2	0.00	10.84	0.54	0	4	0	100	0.00	0.0	16.042	0.057	0	0	0	2	L
L PC-139318	PC-144176	B	4 ACSR	6.91Y	115.2	0.00	10.85	0.54	0	4	0	100	0.00	0.0	16.106	0.063	0	0	0	1	L
L PC-143165	PC-139318	B	4 ACSR	6.91Y	115.2	0.00	10.85	0.54	0	4	0	100	0.00	0.0	16.158	0.052	0	0	0	1	L
L PC-165240	PC-143165	B	4 ACSR	6.91Y	115.2	0.00	10.85	0.54	0	4	0	100	0.00	0.0	16.194	0.036	0	0	0	1	L
L PC-165241	PC-165240	B	4 ACSR	6.91Y	115.2	0.00	10.85	0.00	0	0	0	100	0.00	0.0	16.208	0.014	0	0	0	0	L
L PC-144699	PC-165241	B	4 ACSR	6.91Y	115.2	0.00	10.85	0.00	0	0	0	100	0.00	0.0	16.341	0.133	0	0	0	0	L
L PC-143928	PC-144699	B	4 ACSR	6.91Y	115.2	0.00	10.85	0.00	0	0	0	100	0.00	0.0	16.409	0.068	0	0	0	0	L
L PC-159440	PC-143928	B	4 ACSR	6.91Y	115.2	0.00	10.85	0.00	0	0	0	100	0.00	0.0	16.512	0.103	0	0	0	0	L
L PC-150270	PC-159440	B	4 ACSR	6.91Y	115.2	0.00	10.85	0.00	0	0	0	100	0.00	0.0	16.576	0.064	0	0	0	0	L
L PC-159287	PC-165240	B	2 ACSR	6.91Y	115.2	0.00	10.85	0.54	0	4	0	100	0.00	0.0	16.258	0.064	0	0	0	1	L
L PC-160408	PC-160097	B	4 ACSR	6.91Y	115.2	0.00	10.84	0.00	0	0	0	100	0.00	0.0	15.985	0.034	0	0	0	0	L
L PC-143406	PC-160097	B	4 ACSR	6.91Y	115.2	0.00	10.84	1.33	1	9	1	99	0.00	0.0	16.025	0.073	0	0	0	2	L
L PC-168617	PC-143406	B	2 ACSR	6.91Y	115.2	0.00	10.84	0.00	0	0	0	100	0.00	0.0	16.058	0.033	0	0	0	1	L
L PC-142952	PC-140630	ABC	4 ACSR	6.91Y	115.1	0.03	10.86	17.36	12	358	37	99	0.10	0.0	15.944	0.050	0	0	0	93	L
L PC-143754	PC-142952	ABC	4 ACSR	6.91Y	115.1	0.04	10.90	17.36	12	358	37	99	0.12	0.0	16.003	0.059	0	0	0	93	L
L PC-145686	PC-143754	ABC	4 ACSR	6.90Y	115.1	0.04	10.95	17.08	12	352	36	99	0.13	0.0	16.069	0.066	0	0	0	92	L
L PC-145759	PC-145686	ABC	4 ACSR	6.90Y	115.0	0.07	11.01	17.08	12	352	36	99	0.20	0.1	16.170	0.101	0	0	0	92	L
L PC-143830	PC-145759	ABC	4 ACSR	6.89Y	114.9	0.09	11.10	17.08	12	352	36	99	0.26	0.1	16.301	0.130	0	0	0	92	L
L PC-152629	PC-143830	ABC	4 ACSR	6.89Y	114.8	0.05	11.15	17.01	12	350	36	99	0.16	0.0	16.381	0.080	0	0	0	91	L
L PC-147245	PC-152629	ABC	4 ACSR	6.89Y	114.8	0.05	11.21	17.01	12	350	36	99	0.16	0.0	16.463	0.082	0	0	0	91	L
L PC-145825	PC-147245	ABC	4 ACSR	6.89Y	114.8	0.03	11.24	17.01	12	350	36	99	0.10	0.0	16.513	0.050	0	0	0	91	L
L PC-152641	PC-145825	ABC	4 ACSR	6.88Y	114.7	0.03	11.27	17.01	12	349	36	99	0.10	0.0	16.562	0.049	0	0	0	91	L
L PC-152640	PC-152641	C	4 ACSR	6.88Y	114.7	0.00	11.27	0.44	0	3	0	100	0.00	0.0	16.692	0.130	0	0	0	2	L
L PC-140232	PC-152640	C	4 ACSR	6.88Y	114.7	0.00	11.28	0.44	0	3	0	100	0.00	0.0	16.819	0.126	0	0	0	1	L
L PC-139323	PC-152640	C	4 ACSR	6.88Y	114.7	0.00	11.27	0.00	0	0	0	100	0.00	0.0	16.760	0.068	0	0	0	1	L
L PC-143486	PC-139323	C	4 ACSR	6.88Y	114.7	0.00	11.27	0.00	0	0	0	100	0.00	0.0	16.818	0.058	0	0	0	1	L
L PC-151890	PC-152641	B	4 ACSR	6.88Y	114.7	0.04	11.31	10.32	7	71	7	100	0.03	0.0	16.657	0.095	0	0	0	22	L
L PC-141451	PC-151890	B	4 ACSR	6.88Y	114.7	0.02	11.34	10.32	7	71	7	100	0.01	0.0	16.710	0.053	0	0	0	22	L
L PC-142833	PC-141451	B	4 ACSR	6.88Y	114.7	0.00	11.34	10.32	7	71	7	100	0.00	0.0	16.716	0.006	0	0	0	22	L
L PC-142938	PC-142833	B	4 ACSR	6.88Y	114.7	0.00	11.34	3.92	3	27	3	99	0.00	0.0	16.732	0.016	0	0	0	7	L
L PC-153423	PC-142938	B	4 ACSR	6.88Y	114.6	0.02	11.37	3.92	3	27	3	99	0.01	0.0	16.864	0.132	0	0	0	7	L
L PC-153422	PC-153423	B	2 ACSR	6.88Y	114.6	0.00	11.37	1.04	1	7	1	99	0.00	0.0	16.870	0.006	0	0	0	1	L
L PC-143859	PC-153422	B	2 ACSR	6.88Y	114.6	0.00	11.37	1.04	1	7	1	99	0.00	0.0	16.920	0.050	0	0	0	1	L
L PC-141435	PC-143859	B	2 ACSR	6.88Y	114.6	0.00	11.37	1.04	1	7	1	99	0.00	0.0	16.950	0.031	0	0	0	1	L
L PC-142575	PC-153423	B	4 ACSR	6.88Y	114.6	0.01	11.37	2.88	2	20	2	100	0.00	0.0	16.910	0.045	0	0	0	6	L
L PC-142609	PC-142575	B	4 ACSR	6.88Y	114.6	0.01	11.38	2.38	2	16	2	99	0.00	0.0	17.008	0.099	0	0	0	4	L
L PC-143457	PC-142609	B	4 ACSR	6.88Y	114.6	0.01	11.39	2.38	2	16	2	99	0.00	0.0	17.111	0.103	0	0	0	3	L
L PC-150488	PC-143457	B	4 ACSR	6.88Y	114.6	0.00	11.39	0.14	0	1	0	100	0.00	0.0	17.159	0.048	0	0	0	1	L
L PC-138352	PC-150488	B	4 ACSR	6.88Y	114.6	0.00	11.39	0.00	0	0	0	100	0.00	0.0	17.228	0.068	0	0	0	0	L
L PC-181234	PC-138352	B	2 ACSR	6.88Y	114.6	0.00	11.39	0.00	0	0	0	100	0.00	0.0	17.255	0.027	0	0	0	0	L
L PC-142329	PC-143457	B	4 ACSR	6.88Y	114.6	0.00	11.39	0.94	1	6	1	99	0.00	0.0	17.156	0.045	0	0	0	1	L
L PC-142436	PC-142575	B	4 ACSR	6.88Y	114.6	0.00	11.37	0.50	0	3	0	100	0.00	0.0	16.980	0.070	0	0	0	2	L
L PC-143230	PC-142436	B	4 ACSR	6.88Y	114.6	0.00	11.38	0.50	0	3	0	100	0.00	0.0	17.162	0.183	0	0	0	2	L
L PC-143146	PC-143230	B	4 ACSR	6.88Y	114.6	0.00	11.38	0.50	0	3	0	100	0.00	0.0	17.200	0.038	0	0	0	2	L
L PC-149919	PC-143146	B	4 ACSR	6.88Y	114.6	0.00	11.38	0.00	0	0	0	100	0.00	0.0	17.275	0.075	0	0	0	1	L
L PC-145396	PC-142833	B	4 ACSR	6.88Y	114.6	0.02	11.36	6.41	5	44	4	100	0.01	0.0	16.801	0.085	0	0	0	15	L
L PC-144964	PC-145396	B	4 ACSR	6.88Y	114.6	0.01	11.38	6.35	5	43	4	100	0.00	0.0	16.844	0.043	0	0	0	14	L
L PC-145399	PC-144964	B	4 ACSR	6.88Y	114.6	0.03	11.40	5.61	4	38	4	99	0.01	0.0	16.956	0.112	0	0	0	12	L
L PC-143862	PC-145399	B	4 ACSR	6.87Y	114.6	0.04	11.44	5.61	4	38	4	99	0.01	0.0	17.120	0.164	0	0	0	12	L
L PC-142576	PC-143862	B	4 ACSR	6.87Y	114.5	0.01	11.46	4.52	3	31	3	100	0.00	0.0	17.194	0.074	0	0	0	10	L
L PC-144018	PC-142576	B	4 ACSR	6.87Y	114.5	0.00	11.46	0.00	0	0	0	100	0.00	0.0	17.254	0.060	0	0	0	1	L
L PC-143231	PC-144018	B	4 ACSR	6.87Y	114.5	0.00	11.46	0.00	0	0	0	100	0.00	0.0	17.274	0.020	0	0	0	1	L
L PC-150325	PC-143231	B	4 ACSR	6.87Y	114.5	0.00	11.46	0.00	0	0	0	100	0.00	0.0	17.356	0.082	0	0	0	1	L
L PC-138267	PC-150325	B	4 ACSR	6.87Y	114.5	0.00	11.46	0.00	0	0	0	100	0.00	0.0	17.459	0.103	0	0	0	1	L
L PC-142142	PC-142576	B	4 ACSR	6.87Y	114.5	0.03	11.49	4.52	3	31	3	100	0.01	0.0	17.357	0.163	0	0	0	9	L
L PC-144844	PC-142142	B	4 ACSR	6.87Y	114.5	0.01	11.50	4.52	3	31	3	100	0.00	0.0	17.431	0.074	0	0	0	9	L
L PC-145320	PC-144844	B	4 ACSR	6.87Y	114.5	0.02	11.52	4.52	3	31	3	100	0.00	0.0	17.526	0.095	0	0	0	9	L
L PC-154373	PC-145320	B	4 ACSR	6.87Y	114.5	0.02	11.55	3.68	3	25	3	99	0.01	0.0	17.682	0.156	0	0	0	7	L
L PC-145053	PC-154373	B	4 ACSR	6.87Y	114.5	0.00	11.55	0.47	0	3	0	100	0.00	0.0	17.738	0.056	0	0	0	2	L
L PC-143229	PC-145053	B	4 ACSR	6.87Y	114.5	0.00	11.55	0.25	0	2	0	100	0.00	0.0	17.785	0.047	0	0	0	1	L
L PC-143956	PC-154373	B	4 ACSR	6.87Y	114.5	0.00	11.55	1.04	1	7	1	99	0.00	0.0	17.719	0.037	0	0	0	2	L
L PC-143958	PC-143956	B	4 ACSR	6.87Y	114.5	0.00	11.55	0.25	0	2	0	100	0.00	0.0	17.744	0.025	0	0	0	1	L
L PC-140603	PC-154373	B	4 ACSR	6.87Y	114.4	0.01	11.56	2.17	2	15	1	100	0.00	0.0	17.803	0.121	0	0	0	3	L
L PC-140291	PC-140603	B	4 ACSR	6.87Y	114.4	0.00	11.56	0.09	0	1	0	100	0.00	0.0	17.999	0.196	0	0	0	1	L
L PC-140046	PC-140291	B	4 ACSR	6.87Y	114.4	0.00	11.56	0.09	0	1	0	100	0.00	0.0	18.164	0.165	0	0	0	1	L
L PC-142183	PC-140046	B	4 ACSR	6.87Y	114.4	0.00	11.56	0.09	0	1	0	100	0.00	0.0	18.269	0.105	0	0	0	1	L
L PC-143597	PC-142183	B	4 ACSR	6.87Y	114.4	0.00	11.56	0.09	0	1	0	100	0.00	0.0	18.364	0.095	0	0	0	1	L
L PC-138266	PC-140603	B	4 ACSR	6.87Y	114.4	0.00	11.56	0.42	0	3	0	100	0.00	0.0	17.931	0.128	0	0	0	1	L
L PC-137583	PC-140603	B	4 ACSR	6.87Y	114.4	0.01	11.57	1.66	1	11	1	100	0.00	0.0	17.895	0.091	0	0	0	1	L
L PC-142141	PC-143862	B	4 ACSR	6.87Y	114.6	0.00	11.44	1.09	1	7	1	99	0.00	0.0	17.148	0.028	0	0	0	2	L
L PC-153425	PC-142141	B	4 ACSR	6.87Y	114.6	0.00	11.44	0.55	0	4	0	100	0.00	0.0	17.173	0.024	0	0	0	1	L
L PC-144188	PC-153425	B	4 ACSR	6.87Y	114.6	0.00	11.45	0.55	0	4	0	100	0.00	0.0	17.194	0.021	0	0	0	1	L
L PC-143147	PC-142141	B	4 ACSR	6.87Y	114.6	0.00	11.45	0.53	0	4	0	100	0.00	0.0	17.293	0.145	0	0	0	1	L
L PC-144508	PC-152641	ABC	4 ACSR	6.88Y	114.7	0.04	11.31	13.42	10	276	28	99	0.09	0.0	16.636	0.073	0	0	0	67	L
L PC-152981	PC-144508	ABC	4 ACSR	6.88Y	114.7	0.04	11.35	13.42	10	276	28	99	0.09	0.0	16.709	0.074	0	0	0	67	L
L PC-143733	PC-152981	ABC	4 ACSR	6.88Y	114.6	0.03	11.38	12.92	9	265	27	99	0.07	0.0	16.769	0.059	0	0	0	66	L
L PC-151536	PC-143733	ABC	4 ACSR	6.88Y	114.6	0.04	11.41	12.92	9	265	27	99	0.08	0.0	16.843	0.074	0	0	0	66	L

Balanced Voltage Drop Report
Source: HEADQUARTERS

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\BASE WINTER SUB ALLOCATION.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L PC-144734	PC-151536	ABC	4 ACSR	6.87Y	114.6	0.01	11.42	12.61	9	259	26	99	0.01	0.0	16.856	0.013	0	0	0	63	L
L PC-144785	PC-144734	ABC	4 ACSR	6.87Y	114.6	0.00	11.42	12.61	9	259	26	99	0.01	0.0	16.861	0.006	0	0	0	63	L
L S705-B	PC-144785	ABC	Closed	6.87Y	114.6	0.00	11.42	12.61	0	259	26	99	0.00	0.0	16.861	0.006	0	0	0	63	L
L S705-A	S705-B	ABC	Closed	6.87Y	114.6	0.00	11.42	12.61	0	259	26	99	0.00	0.0	16.861	0.006	0	0	0	63	L
L PC-143298	S705-A	ABC	4 ACSR	6.87Y	114.5	0.03	11.45	12.61	9	259	26	99	0.07	0.0	16.927	0.066	0	0	0	63	L
L PC-144286	PC-143298	ABC	4 ACSR	6.87Y	114.5	0.04	11.50	12.61	9	259	26	99	0.10	0.0	17.019	0.092	0	0	0	63	L
L PC-144289	PC-144286	ABC	4 ACSR	6.87Y	114.5	0.03	11.53	12.54	9	257	26	99	0.07	0.0	17.083	0.064	0	0	0	62	L
L PC-151909	PC-144289	ABC	4 ACSR	6.87Y	114.4	0.05	11.58	12.54	9	257	26	99	0.12	0.0	17.193	0.110	0	0	0	62	L
L PC-174984	PC-151909	ABC	4 ACSR	6.86Y	114.4	0.03	11.62	12.54	9	257	26	99	0.08	0.0	17.264	0.071	0	0	0	62	L
L PC-144849	PC-174984	ABC	4 ACSR	6.86Y	114.3	0.04	11.66	12.54	9	257	26	99	0.09	0.0	17.350	0.086	0	0	0	62	L
L PC-175132	PC-144849	C	2 ACSR	6.86Y	114.3	0.00	11.66	0.05	0	0	0	100	0.00	0.0	17.352	0.002	0	0	0	1	L
L PC-174833	PC-175132	C	2 ACSR	6.86Y	114.3	0.00	11.66	0.05	0	0	0	100	0.00	0.0	17.382	0.030	0	0	0	1	L
L PC-175131	PC-144849	ABC	4 ACSR	6.86Y	114.3	0.03	11.69	12.53	9	257	26	99	0.07	0.0	17.413	0.063	0	0	0	61	L
L PC-177536	PC-175131	C	4 ACSR	6.86Y	114.3	0.00	11.69	0.48	0	3	0	100	0.00	0.0	17.420	0.007	0	0	0	1	L
L PC-177537	PC-177536	C	4 ACSR	6.86Y	114.3	0.00	11.69	0.48	0	3	0	100	0.00	0.0	17.479	0.059	0	0	0	1	L
L PC-177535	PC-177537	C	4 ACSR	6.86Y	114.3	0.00	11.69	0.48	0	3	0	100	0.00	0.0	17.545	0.066	0	0	0	1	L
L PC-135856	PC-177535	C	4 ACSR	6.86Y	114.3	0.00	11.69	0.48	0	3	0	100	0.00	0.0	17.631	0.086	0	0	0	1	L
L PC-145762	PC-135856	C	4 ACSR	6.86Y	114.3	0.00	11.70	0.48	0	3	0	100	0.00	0.0	17.677	0.046	0	0	0	1	L
L PC-144060	PC-145762	C	4 ACSR	6.86Y	114.3	0.00	11.70	0.48	0	3	0	100	0.00	0.0	17.720	0.043	0	0	0	1	L
L PC-152285	PC-144060	C	4 ACSR	6.86Y	114.3	0.00	11.70	0.48	0	3	0	100	0.00	0.0	17.765	0.045	0	0	0	1	L
L PC-145754	PC-152285	C	4 ACSR	6.86Y	114.3	0.00	11.70	0.00	0	0	0	100	0.00	0.0	17.800	0.036	0	0	0	0	L
L PC-145149	PC-145754	C	4 ACSR	6.86Y	114.3	0.00	11.70	0.00	0	0	0	100	0.00	0.0	17.841	0.041	0	0	0	0	L
L PC-144036	PC-145149	C	4 ACSR	6.86Y	114.3	0.00	11.70	0.00	0	0	0	100	0.00	0.0	17.883	0.042	0	0	0	0	L
L PC-144062	PC-152285	C	4 ACSR	6.86Y	114.3	0.00	11.70	0.48	0	3	0	100	0.00	0.0	17.814	0.050	0	0	0	1	L
L PC-153547	PC-144062	C	4 ACSR	6.86Y	114.3	0.00	11.70	0.48	0	3	0	100	0.00	0.0	17.861	0.047	0	0	0	1	L
L PC-174832	PC-175131	ABC	4 ACSR	6.86Y	114.3	0.02	11.71	12.37	9	253	26	99	0.04	0.0	17.448	0.035	0	0	0	60	L
L PC-139311	PC-174832	ABC	4 ACSR	6.85Y	114.2	0.05	11.76	12.37	9	253	26	99	0.11	0.0	17.556	0.108	0	0	0	60	L
L PC-145824	PC-139311	ABC	4 ACSR	6.85Y	114.2	0.01	11.77	12.37	9	253	26	99	0.02	0.0	17.578	0.022	0	0	0	60	L
L PC-174406	PC-145824	ABC	4 ACSR	6.85Y	114.2	0.03	11.80	12.37	9	253	26	99	0.06	0.0	17.638	0.059	0	0	0	60	L
L PC-174302	PC-174406	ABC	4 ACSR	6.85Y	114.2	0.01	11.80	1.24	1	25	3	99	0.00	0.0	17.773	0.135	0	0	0	10	L
L PC-154206	PC-174302	ABC	4 ACSR	6.85Y	114.2	0.00	11.81	1.04	1	21	2	100	0.00	0.0	17.883	0.110	0	0	0	9	L
L PC-154208	PC-154206	B	4 ACSR	6.85Y	114.2	0.00	11.81	0.17	0	1	0	100	0.00	0.0	17.952	0.069	0	0	0	2	L
L PC-143858	PC-154208	B	4 ACSR	6.85Y	114.2	0.00	11.81	0.17	0	1	0	100	0.00	0.0	18.057	0.105	0	0	0	2	L
L PC-153421	PC-143858	B	4 ACSR	6.85Y	114.2	0.00	11.81	0.17	0	1	0	100	0.00	0.0	18.133	0.075	0	0	0	2	L
L PC-144987	PC-153421	B	4 ACSR	6.85Y	114.2	0.00	11.81	0.17	0	1	0	100	0.00	0.0	18.199	0.067	0	0	0	2	L
L PC-143861	PC-144987	B	4 ACSR	6.85Y	114.2	0.00	11.81	0.04	0	0	0	100	0.00	0.0	18.251	0.052	0	0	0	1	L
L PC-144988	PC-143861	B	4 ACSR	6.85Y	114.2	0.00	11.81	0.04	0	0	0	100	0.00	0.0	18.312	0.061	0	0	0	1	L
L PC-154207	PC-144988	B	4 ACSR	6.85Y	114.2	0.00	11.81	0.04	0	0	0	100	0.00	0.0	18.427	0.114	0	0	0	1	L
L PC-143493	PC-154207	B	4 ACSR	6.85Y	114.2	0.00	11.81	0.04	0	0	0	100	0.00	0.0	18.533	0.106	0	0	0	1	L
L PC-144784	PC-143493	B	4 ACSR	6.85Y	114.2	0.00	11.81	0.00	0	0	0	100	0.00	0.0	18.665	0.131	0	0	0	0	L
L PC-152744	PC-144784	B	4 ACSR	6.85Y	114.2	0.00	11.81	0.00	0	0	0	100	0.00	0.0	18.709	0.044	0	0	0	0	L
L PC-140713	PC-152744	B	4 ACSR	6.85Y	114.2	0.00	11.81	0.00	0	0	0	100	0.00	0.0	18.772	0.063	0	0	0	0	L
L PC-145823	PC-154206	ABC	4 ACSR	6.85Y	114.2	0.00	11.81	0.82	1	17	2	99	0.00	0.0	17.970	0.087	0	0	0	6	L
L PC-150135	PC-145823	ABC	4 ACSR	6.85Y	114.2	0.00	11.81	0.82	1	17	2	99	0.00	0.0	18.058	0.088	0	0	0	6	L
L PC-150134	PC-150135	C	4 ACSR	6.85Y	114.2	0.00	11.81	0.66	0	4	0	100	0.00	0.0	18.095	0.037	0	0	0	1	L
L PC-143553	PC-150135	ABC	4 ACSR	6.85Y	114.2	0.00	11.81	0.60	0	12	1	100	0.00	0.0	18.111	0.053	0	0	0	5	L
L PC-140500	PC-143553	ABC	4 ACSR	6.85Y	114.2	0.00	11.82	0.59	0	12	1	100	0.00	0.0	18.180	0.070	0	0	0	4	L
L PC-139933	PC-140500	ABC	4 ACSR	6.85Y	114.2	0.00	11.82	0.31	0	6	1	99	0.00	0.0	18.367	0.186	0	0	0	3	L
L PC-150000	PC-139933	ABC	4 ACSR	6.85Y	114.2	0.00	11.82	0.31	0	6	1	99	0.00	0.0	18.484	0.117	0	0	0	3	L
L PC-174347	PC-150000	ABC	4 ACSR	6.85Y	114.2	0.00	11.82	0.07	0	1	0	100	0.00	0.0	18.541	0.057	0	0	0	1	L
L PC-173532	PC-174347	ABC	4 ACSR	6.85Y	114.2	0.00	11.82	0.00	0	0	0	100	0.00	0.0	18.645	0.104	0	0	0	0	L
L PC-174264	PC-174347	C	6 ACWC	6.85Y	114.2	0.00	11.82	0.20	0	1	0	100	0.00	0.0	18.587	0.046	0	0	0	1	L
L PC-149999	PC-150000	C	4 ACSR	6.85Y	114.2	0.00	11.82	0.74	1	5	1	98	0.00	0.0	18.577	0.094	0	0	0	2	L
L PC-140267	PC-149999	C	4 ACSR	6.85Y	114.2	0.00	11.82	0.74	1	5	1	98	0.00	0.0	18.643	0.066	0	0	0	2	L
L PC-139676	PC-140500	C	4 ACSR	6.85Y	114.2	0.00	11.82	0.85	1	6	1	99	0.00	0.0	18.222	0.041	0	0	0	1	L
L PC-140501	PC-139676	C	4 ACSR	6.85Y	114.2	0.00	11.82	0.85	1	6	1	99	0.00	0.0	18.264	0.042	0	0	0	1	L
L PC-145076	PC-154206	B	4 ACSR	6.85Y	114.2	0.00	11.81	0.49	0	3	0	100	0.00	0.0	17.920	0.037	0	0	0	1	L
L PC-151889	PC-174302	C	4 ACSR	6.85Y	114.2	0.00	11.80	0.62	0	4	0	100	0.00	0.0	17.824	0.051	0	0	0	1	L
L PC-143732	PC-151889	C	4 ACSR	6.85Y	114.2	0.00	11.81	0.62	0	4	0	100	0.00	0.0	17.867	0.044	0	0	0	1	L
L PC-174408	PC-174406	ABC	1/0 ACSR	6.85Y	114.2	0.01	11.81	11.12	5	228	23	99	0.03	0.0	17.718	0.081	0	0	0	50	L
L PC-177371	PC-174408	ABC	1/0 ACSR	6.85Y	114.2	0.01	11.82	10.90	5	223	23	99	0.02	0.0	17.796	0.078	0	0	0	49	L
L PC-177372	PC-177371	ABC	1/0 ACSR	6.85Y	114.2	0.01	11.83	10.82	5	221	22	100	0.01	0.0	17.830	0.034	0	0	0	48	L
L PC-177373	PC-177372	ABC	1/0 ACSR	6.85Y	114.2	0.01	11.84	10.82	5	221	22	100	0.02	0.0	17.886	0.056	0	0	0	48	L
L PC-177374	PC-177373	ABC	1/0 ACSR	6.85Y	114.1	0.01	11.85	10.82	5	221	22	100	0.02	0.0	17.947	0.061	0	0	0	48	L
L PC-177380	PC-177374	ABC	1/0 ACSR	6.85Y	114.1	0.00	11.85	10.82	5	221	22	100	0.00	0.0	17.952	0.005	0	0	0	48	L
L D101411	PC-177380	ABC	REC_35_H	6.85Y	114.1	0.00	11.85	10.82	0	221	22	100	0.00	0.0	17.952	0.005	0	0	0	48	L
L PC-177381	D101411	ABC	1/0 ACSR	6.85Y	114.1	0.01	11.87	10.82	5	221	22	100	0.03	0.0	18.033	0.081	0	0	0	48	L
L PC-177382	PC-177381	C	2 ACSR	6.85Y	114.1	0.00	11.87	1.06	1	7	1	99	0.00	0.0	18.037	0.004	0	0	0	3	L
L PC-174311	PC-177382	C	2 ACSR	6.85Y	114.1	0.00	11.87	1.06	1	7	1	99	0.00	0.0	18.071	0.034	0	0	0	3	L
L PC-174411	PC-174311	C	2 ACSR	6.85Y	114.1	0.00	11.87	1.06	1	7	1	99	0.00	0.0	18.100	0.029	0	0	0	2	L
L PC-174304	PC-177381	ABC	1/0 ACSR	6.85Y	114.1	0.01	11.88	10.47	5	214	22	99	0.02	0.0	18.086	0.053	0	0	0	45	L
L PC-174409	PC-174304	ABC	1/0 ACSR	6.85Y	114.1	0.01	11.88	10.47	5	214	22	99	0.02	0.0	18.142	0.056	0	0	0	45	L
L PC-174305	PC-174409	ABC	1/0 ACSR	6.85Y	114.1	0.01	11.89	10.47	5	214	22	99	0.02	0.0	18.199	0.057	0	0	0	45	L
L PC-174410	PC-174305	ABC	1/0 ACSR	6.85Y	114.1	0.01	11.90	10.47	5	214	22	99	0.02	0.0	18.263	0.065	0	0	0	45	L
L PC-174562	PC-174410	C	2 ACSR	6.85Y	114.1	0.00	11.91	7.90	4	54	5	100	0.00	0.0	18.266	0.003	0	0	0	16	L
L PC-174563	PC-174562	C	2 ACSR	6.84Y	114.1	0.01	11.92	7.90	4	54	5	100	0.01	0.0	18.317	0.051	0	0	0	16	L
L PC-174417	PC-174563	C	2 ACSR	6.84Y	114.1	0.01	11.93	7.45	4	51	5	100	0.01	0.0	18.373	0.056	0	0	0	12	L
L PC-174564	PC-174417	C	2 ACSR	6.84Y	114.1	0.01	11.94	6.17	3	42	4	100	0.00	0.0	18.441	0.069	0	0	0	11	L
L PC-174565	PC-174564	C	2 ACSR	6.84Y	114.1	0.00	11.94	2.83	2	19	2	99	0.00	0.0	18.465	0.023	0	0	0	6	L
L PC-174309	PC-174565	C	4 ACSR	6.84Y	114.0	0.01	11.96	2.83	2	19	2	99	0.00	0.0	18.568	0.104	0	0	0	6	L

Balanced Voltage Drop Report
Source: HEADQUARTERS

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\BASE WINTER SUB ALLOCATION.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L PC-174308	PC-174309	C	4 ACSR	6.84Y	114.0	0.00	11.96	0.30	0	2	0	100	0.00	0.0	18.635	0.066	0	0	0	1	L
L PC-174416	PC-174308	C	4 ACSR	6.84Y	114.0	0.00	11.96	0.30	0	2	0	100	0.00	0.0	18.678	0.043	0	0	0	1	L
L PC-174407	PC-174309	C	4 ACSR	6.84Y	114.0	0.01	11.97	2.53	2	17	2	99	0.00	0.0	18.664	0.096	0	0	0	5	L
L PC-174303	PC-174407	C	4 ACSR	6.84Y	114.0	0.01	11.98	2.53	2	17	2	99	0.00	0.0	18.764	0.100	0	0	0	5	L
L PC-150245	PC-174303	C	4 ACSR	6.84Y	114.0	0.01	11.99	2.53	2	17	2	99	0.00	0.0	18.831	0.067	0	0	0	5	L
L PC-149758	PC-150245	C	4 ACSR	6.84Y	114.0	0.01	11.99	2.53	2	17	2	99	0.00	0.0	18.887	0.055	0	0	0	5	L
L PC-144361	PC-149758	C	4 ACSR	6.84Y	114.0	0.01	12.00	2.53	2	17	2	99	0.00	0.0	18.962	0.076	0	0	0	5	L
L PC-143662	PC-144361	C	4 ACSR	6.84Y	114.0	0.01	12.01	2.53	2	17	2	99	0.00	0.0	19.028	0.066	0	0	0	5	L
L PC-143644	PC-143662	C	4 ACSR	6.84Y	114.0	0.00	12.01	2.53	2	17	2	99	0.00	0.0	19.056	0.028	0	0	0	5	L
L PC-142400	PC-143644	C	4 ACSR	6.84Y	114.0	0.00	12.02	2.53	2	17	2	99	0.00	0.0	19.099	0.043	0	0	0	5	L
L PC-148380	PC-142400	C	4 ACSR	6.84Y	114.0	0.01	12.02	2.46	2	17	2	99	0.00	0.0	19.157	0.059	0	0	0	4	L
L PC-144691	PC-148380	C	4 ACSR	6.84Y	114.0	0.00	12.03	2.46	2	17	2	99	0.00	0.0	19.204	0.046	0	0	0	4	L
L PC-150271	PC-144691	C	4 ACSR	6.84Y	114.0	0.00	12.03	1.84	1	13	1	100	0.00	0.0	19.249	0.045	0	0	0	3	L
L PC-143356	PC-150271	C	4 ACSR	6.84Y	114.0	0.00	12.03	1.84	1	13	1	100	0.00	0.0	19.281	0.032	0	0	0	3	L
L PC-133566	PC-143356	C	4 ACSR	6.84Y	114.0	0.00	12.04	1.84	1	13	1	100	0.00	0.0	19.341	0.060	0	0	0	2	L
L PC-143224	PC-133566	C	4 ACSR	6.84Y	114.0	0.00	12.04	1.84	1	13	1	100	0.00	0.0	19.399	0.059	0	0	0	2	L
L PC-150567	PC-143224	C	4 ACSR	6.84Y	114.0	0.00	12.05	1.84	1	13	1	100	0.00	0.0	19.456	0.057	0	0	0	2	L
L PC-140542	PC-150567	C	4 ACSR	6.84Y	113.9	0.00	12.05	1.84	1	13	1	100	0.00	0.0	19.511	0.056	0	0	0	2	L
L PC-150162	PC-140542	C	4 ACSR	6.84Y	113.9	0.00	12.05	0.00	0	0	0	100	0.00	0.0	19.546	0.035	0	0	0	1	L
L PC-142818	PC-140542	C	4 ACSR	6.84Y	113.9	0.01	12.06	1.84	1	12	1	100	0.00	0.0	19.580	0.069	0	0	0	1	L
L PC-150630	PC-142818	C	4 ACSR	6.84Y	113.9	0.00	12.06	1.84	1	12	1	100	0.00	0.0	19.633	0.053	0	0	0	1	L
L PC-140429	PC-150630	C	4 ACSR	6.84Y	113.9	0.00	12.06	1.84	1	12	1	100	0.00	0.0	19.673	0.040	0	0	0	1	L
L PC-150198	PC-140429	C	2 ACSR	6.84Y	113.9	0.00	12.06	0.00	0	0	0	100	0.00	0.0	19.756	0.083	0	0	0	0	L
L PC-142915	PC-140429	C	2 ACSR	6.84Y	113.9	0.00	12.06	0.00	0	0	0	100	0.00	0.0	19.697	0.025	0	0	0	0	L
L PC-142828	PC-140429	C	4 ACSR	6.84Y	113.9	0.01	12.07	1.84	1	12	1	100	0.00	0.0	19.749	0.076	0	0	0	1	L
L PC-174310	PC-174564	C	4 ACSR	6.84Y	114.1	0.01	11.95	3.33	2	23	2	100	0.00	0.0	18.490	0.049	0	0	0	5	L
L PC-177379	PC-174310	C	4 ACSR	6.84Y	114.0	0.00	11.95	0.91	1	6	1	99	0.00	0.0	18.567	0.077	0	0	0	2	L
L PC-174415	PC-174563	C	2 ACSR	6.84Y	114.1	0.00	11.92	0.43	0	3	0	100	0.00	0.0	18.345	0.028	0	0	0	3	L
L PC-174113	PC-174415	C	6 ACWC	6.84Y	114.1	0.00	11.92	0.37	0	3	0	100	0.00	0.0	18.389	0.044	0	0	0	2	L
L PC-174112	PC-174415	C	4 ACSR	6.84Y	114.1	0.00	11.92	0.06	0	0	0	100	0.00	0.0	18.400	0.055	0	0	0	1	L
L PC-174557	PC-174410	ABC	1/0 ACSR	6.85Y	114.1	0.01	11.91	7.83	3	160	16	100	0.01	0.0	18.329	0.065	0	0	0	29	L
L PC-173576	PC-174557	ABC	1/0 ACSR	6.84Y	114.1	0.01	11.92	7.83	3	160	16	100	0.01	0.0	18.397	0.068	0	0	0	29	L
L PC-173578	PC-173576	ABC	1/0 ACSR	6.84Y	114.1	0.01	11.93	7.83	3	160	16	100	0.01	0.0	18.457	0.060	0	0	0	29	L
L PC-175214	PC-173578	ABC	1/0 ACSR	6.84Y	114.1	0.01	11.93	5.90	3	120	12	100	0.01	0.0	18.512	0.054	0	0	0	26	L
L PC-174559	PC-175214	ABC	1/0 ACSR	6.84Y	114.1	0.00	11.94	5.31	2	109	11	99	0.00	0.0	18.566	0.054	0	0	0	24	L
L PC-174560	PC-174559	ABC	1/0 ACSR	6.84Y	114.1	0.00	11.94	5.31	2	109	11	99	0.00	0.0	18.615	0.049	0	0	0	24	L
L PC-174561	PC-174560	ABC	1/0 ACSR	6.84Y	114.1	0.00	11.94	1.29	1	26	3	99	0.00	0.0	18.634	0.019	0	0	0	5	L
L PC-177376	PC-174561	C	4 ACSR	6.84Y	114.1	0.00	11.95	1.58	1	11	1	100	0.00	0.0	18.660	0.026	0	0	0	4	L
L PC-174404	PC-177376	C	4 ACSR	6.84Y	114.1	0.00	11.95	0.69	0	5	0	100	0.00	0.0	18.676	0.016	0	0	0	3	L
L PC-152378	PC-174404	C	4 ACSR	6.84Y	114.1	0.00	11.95	0.69	0	5	0	100	0.00	0.0	18.713	0.037	0	0	0	3	L
L PC-140284	PC-152378	C	4 ACSR	6.84Y	114.1	0.00	11.95	0.69	0	5	0	100	0.00	0.0	18.780	0.067	0	0	0	2	L
L PC-144181	PC-140284	C	4 ACSR	6.84Y	114.0	0.00	11.95	0.69	0	5	0	100	0.00	0.0	18.841	0.061	0	0	0	2	L
L PC-139086	PC-144181	C	4 ACSR	6.84Y	114.0	0.00	11.95	0.00	0	0	0	100	0.00	0.0	18.885	0.044	0	0	0	0	L
L PC-150269	PC-139086	C	4 ACSR	6.84Y	114.0	0.00	11.95	0.00	0	0	0	100	0.00	0.0	19.024	0.138	0	0	0	0	L
L PC-150543	PC-150269	C	4 ACSR	6.84Y	114.0	0.00	11.95	0.00	0	0	0	100	0.00	0.0	19.065	0.041	0	0	0	0	L
L PC-174306	PC-174561	ABC	1/0 ACSR	6.84Y	114.1	0.00	11.94	0.76	0	16	2	99	0.00	0.0	18.660	0.026	0	0	0	1	L
L PC-174412	PC-174560	ABC	1/0 ACSR	6.84Y	114.1	0.00	11.95	4.02	2	82	8	100	0.00	0.0	18.659	0.045	0	0	0	19	L
L PC-174307	PC-174412	ABC	1/0 ACSR	6.84Y	114.1	0.00	11.95	4.02	2	82	8	100	0.00	0.0	18.703	0.044	0	0	0	19	L
L PC-174413	PC-174307	ABC	1/0 ACSR	6.84Y	114.0	0.00	11.95	4.02	2	82	8	100	0.00	0.0	18.772	0.069	0	0	0	19	L
L PC-177377	PC-174413	C	2 ACSR	6.84Y	114.0	0.01	11.97	12.07	7	82	8	100	0.01	0.0	18.805	0.033	0	0	0	19	L
L PC-174414	PC-177377	C	4 ACSR	6.84Y	114.0	0.02	11.98	9.51	7	65	7	99	0.01	0.0	18.849	0.045	0	0	0	17	L
L PC-177378	PC-174414	C	4 ACSR	6.84Y	114.0	0.01	12.00	9.51	7	65	7	99	0.01	0.0	18.885	0.035	0	0	0	17	L
L PC-174403	PC-177378	C	4 ACSR	6.84Y	114.0	0.03	12.03	9.51	7	65	7	99	0.02	0.0	18.953	0.068	0	0	0	17	L
L PC-174111	PC-174403	C	4 ACSR	6.84Y	113.9	0.03	12.06	9.51	7	65	7	99	0.02	0.0	19.025	0.072	0	0	0	17	L
L PC-145240	PC-174111	C	4 ACSR	6.83Y	113.9	0.03	12.09	9.51	7	65	7	99	0.02	0.0	19.105	0.080	0	0	0	17	L
L PC-174405	PC-145240	C	4 ACSR	6.83Y	113.9	0.02	12.11	7.37	5	50	5	100	0.01	0.0	19.181	0.075	0	0	0	12	L
L PC-150624	PC-174405	C	4 ACSR	6.83Y	113.9	0.02	12.13	6.05	4	41	4	100	0.01	0.0	19.244	0.063	0	0	0	9	L
L PC-150622	PC-150624	C	4 ACSR	6.83Y	113.9	0.02	12.15	6.05	4	41	4	100	0.01	0.0	19.313	0.069	0	0	0	9	L
L PC-152365	PC-150622	C	4 ACSR	6.83Y	113.8	0.02	12.17	6.05	4	41	4	100	0.01	0.0	19.394	0.081	0	0	0	9	L
L PC-144690	PC-152365	C	4 ACSR	6.83Y	113.8	0.01	12.18	2.82	2	19	2	99	0.00	0.0	19.478	0.084	0	0	0	5	L
L PC-150013	PC-144690	C	6 ACWC	6.83Y	113.8	0.00	12.18	0.00	0	0	0	100	0.00	0.0	19.632	0.154	0	0	0	0	L
L PC-150012	PC-144690	C	4 ACSR	6.83Y	113.8	0.01	12.19	2.82	2	19	2	99	0.00	0.0	19.542	0.064	0	0	0	4	L
L PC-149771	PC-150012	C	4 ACSR	6.83Y	113.8	0.01	12.20	2.79	2	19	2	99	0.00	0.0	19.614	0.072	0	0	0	3	L
L PC-150600	PC-149771	C	4 ACSR	6.83Y	113.8	0.01	12.21	2.79	2	19	2	99	0.00	0.0	19.693	0.079	0	0	0	3	L
L PC-135858	PC-150600	C	4 ACSR	6.83Y	113.8	0.01	12.21	2.79	2	19	2	99	0.00	0.0	19.755	0.062	0	0	0	3	L
L PC-141249	PC-135858	C	4 ACSR	6.83Y	113.8	0.01	12.22	2.79	2	19	2	99	0.00	0.0	19.830	0.075	0	0	0	3	L
L PC-143357	PC-141249	C	6 ACWC	6.83Y	113.8	0.01	12.23	2.79	2	19	2	99	0.00	0.0	19.878	0.048	0	0	0	3	L
L PC-142690	PC-143357	C	6 ACWC	6.83Y	113.8	0.00	12.23	2.79	2	19	2	99	0.00	0.0	19.908	0.030	0	0	0	3	L
L PC-142013	PC-142690	C	6 ACWC	6.83Y	113.8	0.00	12.24	2.79	2	19	2	99	0.00	0.0	19.933	0.025	0	0	0	3	L
L PC-143245	PC-142013	C	4 ACSR	6.83Y	113.8	0.01	12.24	1.88	1	13	1	100	0.00	0.0	20.022	0.089	0	0	0	2	L
L PC-144354	PC-143245	C	4 ACSR	6.83Y	113.8	0.01	12.25	1.88	1	13	1	100	0.00	0.0	20.094	0.073	0	0	0	2	L
L PC-144353	PC-144354	C	4 ACSR	6.82Y	113.7	0.01	12.25	0.85	1	6	1	99	0.00	0.0	20.256	0.161	0	0	0	1	L
L PC-133564	PC-141249	C	4 ACSR	6.83Y	113.8	0.00	12.22	0.00	0	0	0	100	0.00	0.0	19.891	0.061	0	0	0	0	L
L PC-140438	PC-133564	C	4 ACSR	6.83Y	113.8	0.00	12.22	0.00	0	0	0	100	0.00	0.0	19.897	0.006	0	0	0	0	L
L S702-A	PC-140438	C	Open	6.83Y	113.8	0.00	12.22	0.00	0	0	0	100	0.00	0.0	19.897	0.006	0	0	0	0	L
L PC-143792	PC-144690	C	4 ACSR	6.83Y	113.8	0.00	12.18	0.00	0	0	0	100	0.00	0.0	19.567	0.088	0	0	0	1	L
L PC-142401	PC-143792	C	4 ACSR	6.83Y	113.8	0.00	12.18	0.00	0	0	0	100	0.00	0.0	19.652	0.085	0	0	0	1	L
L PC-139966	PC-152365	C	4 ACSR	6.83Y	113.8	0.01	12.18	3.23	2	22	2	100	0.00	0.0	19.493	0.098	0	0	0	4	L
L PC-143643	PC-139966	C	4 ACSR	6.83Y	113.8	0.00	12.19	2.22	2	15	2	99	0.00	0.0	19.540	0.048	0	0	0	3	L
L PC-142327	PC-143643	C	4 ACSR	6.83Y	113.8	0.00	12.19	0.66	0	5	0	100	0.00	0.0	19.564	0.024	0	0	0	1	L

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

Balanced Voltage Drop Report
Source: HEADQUARTERS

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\BASE WINTER SUB ALLOCATION.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L PC-143199	PC-143643	C	4 ACSR	6.83Y	113.8	0.01	12.20	1.55	1	11	1	100	0.00	0.0	19.638	0.098	0	0	0	2	L
L PC-150171	PC-174405	C	4 ACSR	6.83Y	113.9	0.00	12.11	0.00	0	0	0	100	0.00	0.0	19.280	0.099	0	0	0	1	L
L PC-145237	PC-174405	C	4 ACSR	6.83Y	113.9	0.00	12.12	1.28	1	9	1	99	0.00	0.0	19.236	0.055	0	0	0	1	L
L PC-174110	PC-145240	C	4 ACSR	6.83Y	113.9	0.00	12.09	2.13	2	14	1	100	0.00	0.0	19.137	0.032	0	0	0	5	L
L PC-150596	PC-174110	C	4 ACSR	6.83Y	113.9	0.00	12.09	0.97	1	7	1	99	0.00	0.0	19.179	0.041	0	0	0	2	L
L PC-142695	PC-150596	C	4 ACSR	6.83Y	113.9	0.00	12.10	0.97	1	7	1	99	0.00	0.0	19.263	0.084	0	0	0	1	L
L PC-177375	PC-174413	ABC	1/0 ACSR	6.84Y	114.0	0.00	11.95	0.00	0	0	0	100	0.00	0.0	18.807	0.036	0	0	0	0	L
L PC-174418	PC-175214	C	2 ACSR	6.84Y	114.1	0.00	11.94	1.75	1	12	1	100	0.00	0.0	18.546	0.034	0	0	0	2	L
L PC-173577	PC-173576	A	2 ACSR	6.84Y	114.1	0.00	11.92	0.00	0	0	0	100	0.00	0.0	18.409	0.012	0	0	0	0	L
L PC-174558	PC-173577	A	2 ACSR	6.84Y	114.1	0.00	11.92	0.00	0	0	0	100	0.00	0.0	18.465	0.056	0	0	0	0	L
L PC-177370	PC-174408	A	2 ACSR	6.85Y	114.2	0.00	11.81	0.67	0	5	0	100	0.00	0.0	17.741	0.023	0	0	0	1	L
L PC-144733	PC-151536	C	4 ACSR	6.88Y	114.6	0.00	11.41	0.30	0	2	0	100	0.00	0.0	16.848	0.006	0	0	0	1	L
L PC-144039	PC-144733	C	4 ACSR	6.88Y	114.6	0.00	11.41	0.30	0	2	0	100	0.00	0.0	16.904	0.055	0	0	0	1	L
L PC-145012	PC-144039	C	4 ACSR	6.88Y	114.6	0.00	11.42	0.30	0	2	0	100	0.00	0.0	16.979	0.075	0	0	0	1	L
L PC-144226	PC-151536	A	4 ACSR	6.88Y	114.6	0.00	11.41	0.24	0	2	0	100	0.00	0.0	16.926	0.083	0	0	0	1	L
L PC-145014	PC-152981	A	4 ACSR	6.88Y	114.7	0.00	11.35	1.51	1	10	1	100	0.00	0.0	16.749	0.040	0	0	0	1	L
L PC-143455	PC-143830	B	4 ACSR	6.89Y	114.9	0.00	11.10	0.23	0	2	0	100	0.00	0.0	16.403	0.102	0	0	0	1	L
L PC-144318	PC-144317	A	4 ACSR	6.99Y	116.5	0.00	9.49	0.58	0	4	0	100	0.00	0.0	14.256	0.006	0	0	0	1	L
L PC-142178	PC-144318	A	4 ACSR	6.99Y	116.5	0.00	9.49	0.58	0	4	0	100	0.00	0.0	14.321	0.065	0	0	0	1	L
L PC-142627	PC-141422	C	4 ACSR	7.00Y	116.6	0.00	9.40	1.31	1	9	1	99	0.00	0.0	13.622	0.040	0	0	0	1	L
L PC-140457	PC-139709	B	4 ACSR	7.00Y	116.6	0.00	9.38	1.37	1	10	1	100	0.00	0.0	13.524	0.078	0	0	0	1	L
L PC-143217	PC-140457	B	4 ACSR	7.00Y	116.6	0.00	9.38	1.37	1	10	1	100	0.00	0.0	13.600	0.076	0	0	0	1	L
L PC-143942	PC-143943	C	4 ACSR	7.00Y	116.6	0.00	9.35	1.58	1	11	1	100	0.00	0.0	13.304	0.006	0	0	0	2	L
L PC-151977	PC-143942	C	4 ACSR	7.00Y	116.6	0.01	9.36	1.58	1	11	1	100	0.00	0.0	13.379	0.075	0	0	0	2	L
L PC-150004	PC-151977	C	4 ACSR	7.00Y	116.6	0.00	9.36	1.58	1	11	1	100	0.00	0.0	13.450	0.070	0	0	0	2	L
L PC-144748	PC-143324	A	2 ACSR	7.00Y	116.7	0.00	9.32	2.19	1	15	2	99	0.00	0.0	13.163	0.006	0	0	0	4	L
L PC-142353	PC-144748	A	2 ACSR	7.00Y	116.7	0.00	9.32	2.19	1	15	2	99	0.00	0.0	13.211	0.048	0	0	0	4	L
L PC-142354	PC-142353	A	2 ACSR	7.00Y	116.7	0.00	9.33	1.09	1	8	1	99	0.00	0.0	13.256	0.045	0	0	0	3	L
L PC-144159	PC-142354	A	2 ACSR	7.00Y	116.7	0.00	9.33	0.94	1	7	1	99	0.00	0.0	13.282	0.027	0	0	0	2	L
L PC-142751	PC-142750	B	4 ACSR	7.00Y	116.7	0.00	9.31	0.93	1	6	1	99	0.00	0.0	13.113	0.006	0	0	0	3	L
L PC-143322	PC-142751	B	4 ACSR	7.00Y	116.7	0.00	9.31	0.93	1	6	1	99	0.00	0.0	13.142	0.029	0	0	0	3	L
L PC-143320	PC-143322	B	4 ACSR	7.00Y	116.7	0.00	9.31	0.93	1	6	1	99	0.00	0.0	13.219	0.077	0	0	0	3	L
L PC-150338	PC-143320	B	4 ACSR	7.00Y	116.7	0.00	9.32	0.51	0	4	0	100	0.00	0.0	13.244	0.025	0	0	0	1	L
L PC-143318	PC-143320	B	4 ACSR	7.00Y	116.7	0.00	9.32	0.42	0	3	0	100	0.00	0.0	13.312	0.093	0	0	0	2	L
L PC-143020	PC-143318	B	4 ACSR	7.00Y	116.7	0.00	9.32	0.29	0	2	0	100	0.00	0.0	13.346	0.034	0	0	0	1	L
L PC-143017	PC-143318	B	4 ACSR	7.00Y	116.7	0.00	9.32	0.12	0	1	0	100	0.00	0.0	13.373	0.061	0	0	0	1	L
L PC-142748	PC-143017	B	4 ACSR	7.00Y	116.7	0.00	9.32	0.12	0	1	0	100	0.00	0.0	13.424	0.051	0	0	0	1	L
L PC-148961	PC-142748	B	4 ACSR	7.00Y	116.7	0.00	9.32	0.12	0	1	0	100	0.00	0.0	13.546	0.122	0	0	0	1	L
L PC-141267	PC-148961	B	4 ACSR	7.00Y	116.7	0.00	9.32	0.12	0	1	0	100	0.00	0.0	13.615	0.069	0	0	0	1	L
L PC-140485	PC-141267	B	4 ACSR	7.00Y	116.7	0.00	9.32	0.12	0	1	0	100	0.00	0.0	13.680	0.065	0	0	0	1	L
L PC-140437	PC-140485	B	4 ACSR	7.00Y	116.7	0.00	9.32	0.12	0	1	0	100	0.00	0.0	13.797	0.117	0	0	0	1	L
L PC-142749	PC-142750	C	4 ACSR	7.00Y	116.7	0.00	9.31	1.60	1	11	1	100	0.00	0.0	13.113	0.006	0	0	0	1	L
L PC-143321	PC-142749	C	4 ACSR	7.00Y	116.7	0.00	9.31	1.60	1	11	1	100	0.00	0.0	13.156	0.044	0	0	0	1	L
L PC-168097	PC-142709	A	4 ACSR	7.02Y	117.0	0.06	9.04	22.52	16	157	16	99	0.07	0.0	9.758	0.057	0	0	0	46	L
L PC-174146	PC-168097	A	6 ACWC	7.02Y	116.9	0.03	9.06	10.05	7	70	7	100	0.01	0.0	9.818	0.060	0	0	0	26	L
L PC-174147	PC-174146	A	6 ACWC	7.02Y	116.9	0.00	9.07	10.05	7	70	7	100	0.00	0.0	9.823	0.005	0	0	0	26	L
L D100989	PC-174147	A	REC_35_H	7.02Y	116.9	0.00	9.07	10.05	0	70	7	100	0.00	0.0	9.823	0.005	0	0	0	26	L
L PC-174145	D100989	A	6 ACWC	7.02Y	116.9	0.00	9.07	10.05	7	70	7	100	0.00	0.0	9.826	0.004	0	0	0	26	L
L PC-149947	PC-174145	A	6 ACWC	7.01Y	116.9	0.03	9.10	5.20	4	36	4	99	0.01	0.0	9.978	0.151	0	0	0	19	L
L PC-149949	PC-149947	A	6 ACWC	7.01Y	116.9	0.02	9.12	5.17	4	36	4	99	0.01	0.0	10.066	0.089	0	0	0	18	L
L PC-140214	PC-149949	A	6 ACWC	7.01Y	116.9	0.01	9.14	5.17	4	36	4	99	0.00	0.0	10.133	0.067	0	0	0	18	L
L PC-142023	PC-140214	A	6 ACWC	7.01Y	116.8	0.03	9.17	5.17	4	36	4	99	0.01	0.0	10.272	0.139	0	0	0	18	L
L PC-166646	PC-142023	A	6 ACWC	7.01Y	116.8	0.01	9.17	2.04	1	14	1	100	0.00	0.0	10.347	0.075	0	0	0	10	L
L PC-142312	PC-166646	A	6 ACWC	7.01Y	116.8	0.01	9.18	2.04	1	14	1	100	0.00	0.0	10.452	0.105	0	0	0	10	L
L PC-166648	PC-142312	A	2 ACSR	7.01Y	116.8	0.00	9.18	0.00	0	0	0	100	0.00	0.0	10.538	0.086	0	0	0	1	L
L PC-166647	PC-142312	A	6 ACWC	7.01Y	116.8	0.00	9.18	0.70	0	5	0	100	0.00	0.0	10.527	0.075	0	0	0	8	L
L PC-143107	PC-166647	A	6 ACWC	7.01Y	116.8	0.00	9.19	0.64	0	4	0	100	0.00	0.0	10.586	0.060	0	0	0	7	L
L PC-143106	PC-143107	A	6 ACWC	7.01Y	116.8	0.00	9.19	0.64	0	4	0	100	0.00	0.0	10.647	0.060	0	0	0	7	L
L PC-150298	PC-143106	A	6 ACWC	7.01Y	116.8	0.00	9.19	0.64	0	4	0	100	0.00	0.0	10.698	0.051	0	0	0	7	L
L PC-143274	PC-150298	A	4 ACSR	7.01Y	116.8	0.00	9.19	0.18	0	1	0	100	0.00	0.0	10.778	0.080	0	0	0	4	L
L PC-142739	PC-143274	A	4 ACSR	7.01Y	116.8	0.00	9.19	0.18	0	1	0	100	0.00	0.0	10.849	0.071	0	0	0	4	L
L PC-143101	PC-142739	A	4 ACSR	7.01Y	116.8	0.00	9.19	0.18	0	1	0	100	0.00	0.0	10.960	0.111	0	0	0	4	L
L PC-150295	PC-143101	A	4 ACSR	7.01Y	116.8	0.00	9.19	0.00	0	0	0	100	0.00	0.0	11.012	0.052	0	0	0	0	L
L PC-143094	PC-143101	A	4 ACSR	7.01Y	116.8	0.00	9.19	0.18	0	1	0	100	0.00	0.0	11.035	0.074	0	0	0	4	L
L PC-142731	PC-143094	A	4 ACSR	7.01Y	116.8	0.00	9.19	0.18	0	1	0	100	0.00	0.0	11.130	0.095	0	0	0	4	L
L PC-150291	PC-142731	A	4 ACSR	7.01Y	116.8	0.00	9.19	0.18	0	1	0	100	0.00	0.0	11.190	0.060	0	0	0	4	L
L PC-150301	PC-150291	A	4 ACSR	7.01Y	116.8	0.00	9.19	0.18	0	1	0	100	0.00	0.0	11.267	0.077	0	0	0	4	L
L PC-150082	PC-150301	A	4 ACSR	7.01Y	116.8	0.00	9.19	0.18	0	1	0	100	0.00	0.0	11.339	0.072	0	0	0	3	L
L PC-142641	PC-150082	A	4 ACSR	7.01Y	116.8	0.00	9.19	0.18	0	1	0	100	0.00	0.0	11.375	0.036	0	0	0	3	L
L PC-142642	PC-142641	A	4 ACSR	7.01Y	116.8	0.00	9.19	0.18	0	1	0	100	0.00	0.0	11.420	0.045	0	0	0	3	L
L PC-150084	PC-142642	A	4 ACSR	7.01Y	116.8	0.00	9.20	0.04	0	0	0	100	0.00	0.0	11.472	0.053	0	0	0	2	L
L PC-149453	PC-150084	A	4 ACSR	7.01Y	116.8	0.00	9.20	0.04	0	0	0	100	0.00	0.0	11.506	0.034	0	0	0	2	L
L PC-149454	PC-149453	A	4 ACSR	7.01Y	116.8	0.00	9.20	0.04	0	0	0	100	0.00	0.0	11.595	0.089	0	0	0	2	L
L PC-142314	PC-149454	A	4 ACSR	7.01Y	116.8	0.00	9.20	0.04	0	0	0	100	0.00	0.0	11.680	0.085	0	0	0	2	L
L PC-150300	PC-142314	A	4 ACSR	7.01Y	116.8	0.00	9.20	0.04	0	0	0	100	0.00	0.0	11.781	0.101	0	0	0	2	L
L PC-143096	PC-150300	A	4 ACSR	7.01Y	116.8	0.00	9.20	0.04	0	0	0	100	0.00	0.0	11.863	0.082	0	0	0	2	L
L PC-142728	PC-143096	A	4 ACSR	7.01Y	116.8	0.00	9.20	0.04	0	0	0	100	0.00	0.0	11.970	0.107	0	0	0	2	L
L PC-140605	PC-142728	A	4 ACSR	7.01Y	116.8	0.00	9.20	0.04	0	0	0	100	0.00	0.0	12.032	0.061	0	0	0	2	L
L PC-150307	PC-150301	A	4 ACSR	7.01Y	116.8	0.00	9.19	0.00	0	0	0	100	0.00	0.0	11.297	0.030	0	0	0	1	L
L PC-142415	PC-142023	A	6 ACWC	7.01Y	116.8	0.01	9.18	3.13	2	22	2	100	0.00	0.0	10.358	0.086	0	0	0	8	L

Balanced Voltage Drop Report
Source: HEADQUARTERS

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\BASE WINTER SUB ALLOCATION.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L PC-171901	PC-142415	A	6 ACWC	7.01Y	116.8	0.01	9.19	2.63	2	18	2	99	0.00	0.0	10.475	0.118	0	0	0	5	L
L PC-139019	PC-171901	A	6 ACWC	7.01Y	116.8	0.01	9.20	2.63	2	18	2	99	0.00	0.0	10.581	0.106	0	0	0	5	L
L PC-176832	PC-139019	A	6 ACWC	7.01Y	116.8	0.01	9.22	1.66	1	12	1	100	0.00	0.0	10.761	0.179	0	0	0	4	L
L PC-141454	PC-176832	A	6 ACWC	7.01Y	116.8	0.00	9.22	0.12	0	1	0	100	0.00	0.0	10.817	0.057	0	0	0	1	L
L PC-137953	PC-141454	A	6 ACWC	7.01Y	116.8	0.00	9.22	0.12	0	1	0	100	0.00	0.0	10.881	0.064	0	0	0	1	L
L PC-169950	PC-139019	A	2 ACSR	7.01Y	116.8	0.00	9.21	0.96	1	7	1	99	0.00	0.0	10.639	0.057	0	0	0	1	L
L PC-149665	PC-142415	A	2 ACSR	7.01Y	116.8	0.00	9.18	0.08	0	1	0	100	0.00	0.0	10.399	0.041	0	0	0	1	L
L PC-140090	PC-149665	A	2 ACSR	7.01Y	116.8	0.00	9.18	0.08	0	1	0	100	0.00	0.0	10.480	0.082	0	0	0	1	L
L PC-149948	PC-149947	A	4 ACSR	7.01Y	116.9	0.00	9.10	0.03	0	0	0	100	0.00	0.0	10.022	0.044	0	0	0	1	L
L PC-142061	PC-174145	A	4 ACSR	7.02Y	116.9	0.02	9.08	3.70	3	26	3	99	0.00	0.0	9.922	0.096	0	0	0	6	L
L PC-143278	PC-142061	A	4 ACSR	7.01Y	116.9	0.02	9.11	3.70	3	26	3	99	0.00	0.0	10.061	0.140	0	0	0	6	L
L PC-150306	PC-143278	A	4 ACSR	7.01Y	116.9	0.00	9.11	2.82	2	20	2	100	0.00	0.0	10.081	0.020	0	0	0	4	L
L PC-149175	PC-150306	A	2 ACSR	7.01Y	116.9	0.00	9.11	1.07	1	7	1	99	0.00	0.0	10.124	0.042	0	0	0	1	L
L PC-142467	PC-150306	A	4 ACSR	7.01Y	116.9	0.00	9.11	1.50	1	10	1	100	0.00	0.0	10.138	0.057	0	0	0	2	L
L PC-167813	PC-142467	A	4 ACSR	7.01Y	116.9	0.01	9.12	1.50	1	10	1	100	0.00	0.0	10.265	0.126	0	0	0	2	L
L PC-167815	PC-167813	A	4 ACSR	7.01Y	116.9	0.00	9.12	0.00	0	0	0	100	0.00	0.0	10.323	0.058	0	0	0	0	L
L PC-167814	PC-167813	A	6 ACWC	7.01Y	116.9	0.00	9.12	0.00	0	0	0	100	0.00	0.0	10.335	0.070	0	0	0	1	L
L PC-145851	PC-167813	A	4 ACSR	7.01Y	116.9	0.00	9.12	1.49	1	10	1	100	0.00	0.0	10.288	0.023	0	0	0	1	L
L PC-143108	PC-143278	A	4 ACSR	7.01Y	116.9	0.00	9.11	0.88	1	6	1	99	0.00	0.0	10.147	0.085	0	0	0	2	L
L PC-142310	PC-143108	A	4 ACSR	7.01Y	116.9	0.00	9.11	0.84	1	6	1	99	0.00	0.0	10.165	0.019	0	0	0	1	L
L PC-140650	PC-174145	A	4 ACSR	7.02Y	116.9	0.00	9.07	1.14	1	8	1	99	0.00	0.0	9.870	0.043	0	0	0	1	L
L PC-138612	PC-140650	A	4 ACSR	7.02Y	116.9	0.00	9.07	1.14	1	8	1	99	0.00	0.0	9.927	0.057	0	0	0	1	L
L PC-168098	PC-168097	A	4 ACSR	7.01Y	116.9	0.06	9.10	10.32	7	72	7	100	0.04	0.1	9.899	0.141	0	0	0	13	L
L PC-137007	PC-168098	A	4 ACSR	7.01Y	116.9	0.01	9.11	10.32	7	72	7	100	0.01	0.0	9.918	0.020	0	0	0	13	L
L PC-168658	PC-137007	A	4 ACSR	7.01Y	116.8	0.04	9.15	9.49	7	66	7	99	0.02	0.0	10.021	0.103	0	0	0	12	L
L PC-143006	PC-168658	A	4 ACSR	7.01Y	116.8	0.02	9.17	9.49	7	66	7	99	0.01	0.0	10.071	0.050	0	0	0	12	L
L PC-140448	PC-143006	A	4 ACSR	7.01Y	116.8	0.02	9.19	9.49	7	66	7	99	0.01	0.0	10.109	0.037	0	0	0	12	L
L PC-138613	PC-140448	A	4 ACSR	7.01Y	116.8	0.06	9.24	9.49	7	66	7	99	0.03	0.0	10.244	0.135	0	0	0	12	L
L PC-149173	PC-138613	A	4 ACSR	7.00Y	116.7	0.03	9.28	9.00	6	63	6	100	0.02	0.0	10.325	0.081	0	0	0	11	L
L PC-139160	PC-149173	A	4 ACSR	7.00Y	116.7	0.02	9.29	8.66	6	60	6	100	0.01	0.0	10.367	0.042	0	0	0	10	L
L PC-140641	PC-139160	A	4 ACSR	7.00Y	116.7	0.05	9.34	8.66	6	60	6	100	0.02	0.0	10.494	0.127	0	0	0	10	L
L PC-174990	PC-140641	A	4 ACSR	7.00Y	116.7	0.01	9.35	2.83	2	20	2	100	0.00	0.0	10.566	0.072	0	0	0	2	L
L PC-142216	PC-174990	A	4 ACSR	7.00Y	116.6	0.00	9.35	2.83	2	20	2	100	0.00	0.0	10.595	0.029	0	0	0	2	L
L PC-136572	PC-140641	A	2 ACSR	7.00Y	116.6	0.02	9.36	5.83	3	41	4	100	0.01	0.0	10.607	0.114	0	0	0	8	L
L PC-149552	PC-136572	A	2 ACSR	7.00Y	116.6	0.00	9.36	5.72	3	40	4	100	0.00	0.0	10.636	0.028	0	0	0	7	L
L PC-140516	PC-149552	A	2 ACSR	7.00Y	116.6	0.01	9.38	5.72	3	40	4	100	0.00	0.0	10.706	0.070	0	0	0	7	L
L PC-140751	PC-140516	A	2 ACSR	7.00Y	116.6	0.01	9.39	5.72	3	40	4	100	0.00	0.0	10.783	0.077	0	0	0	7	L
L PC-140592	PC-140751	A	2 ACSR	7.00Y	116.6	0.01	9.39	4.19	2	29	3	99	0.00	0.0	10.824	0.041	0	0	0	5	L
L PC-135012	PC-140592	A	2 ACSR	7.00Y	116.6	0.01	9.40	3.28	2	23	2	100	0.00	0.0	10.881	0.057	0	0	0	4	L
L PC-138942	PC-135012	A	2 ACSR	7.00Y	116.6	0.00	9.40	2.00	1	14	1	100	0.00	0.0	10.920	0.039	0	0	0	2	L
L PC-146147	PC-138942	A	2 ACSR	7.00Y	116.6	0.00	9.40	0.94	1	7	1	99	0.00	0.0	10.947	0.027	0	0	0	1	L
L PC-146146	PC-138942	A	2 ACSR	7.00Y	116.6	0.00	9.40	1.07	1	7	1	99	0.00	0.0	10.962	0.042	0	0	0	1	L
L PC-148488	PC-146146	A	2 ACSR	7.00Y	116.6	0.00	9.40	1.07	1	7	1	99	0.00	0.0	10.996	0.033	0	0	0	1	L
L PC-137976	PC-148488	A	2 ACSR	7.00Y	116.6	0.00	9.41	1.07	1	7	1	99	0.00	0.0	11.058	0.062	0	0	0	1	L
L PC-134975	PC-137976	A	2 ACSR	7.00Y	116.6	0.00	9.41	1.07	1	7	1	99	0.00	0.0	11.088	0.030	0	0	0	1	L
L PC-139563	PC-134975	A	2 ACSR	7.00Y	116.6	0.00	9.41	1.07	1	7	1	99	0.00	0.0	11.139	0.051	0	0	0	1	L
L PC-149939	PC-139563	A	2 ACSR	7.00Y	116.6	0.00	9.41	1.07	1	7	1	99	0.00	0.0	11.196	0.058	0	0	0	1	L
L PC-136856	PC-149939	A	2 ACSR	7.00Y	116.6	0.00	9.41	1.07	1	7	1	99	0.00	0.0	11.238	0.042	0	0	0	1	L
L PC-132116	PC-136856	A	2 ACSR	7.00Y	116.6	0.00	9.41	1.07	1	7	1	99	0.00	0.0	11.271	0.033	0	0	0	1	L
L PC-149172	PC-138613	A	4 ACSR	7.01Y	116.8	0.00	9.25	0.49	0	3	0	100	0.00	0.0	10.286	0.042	0	0	0	1	L
L PC-167895	PC-168097	A	6 ACWC	7.02Y	117.0	0.01	9.04	1.84	1	13	1	100	0.00	0.0	9.830	0.072	0	0	0	6	L
L PC-136781	PC-167895	A	6 ACWC	7.02Y	117.0	0.01	9.05	1.84	1	13	1	100	0.00	0.0	9.897	0.067	0	0	0	6	L
L PC-149814	PC-136781	A	6 ACWC	7.02Y	116.9	0.00	9.05	1.84	1	13	1	100	0.00	0.0	9.959	0.061	0	0	0	6	L
L PC-137008	PC-149814	A	6 ACWC	7.02Y	116.9	0.01	9.06	1.84	1	13	1	100	0.00	0.0	10.072	0.113	0	0	0	6	L
L PC-138858	PC-137008	A	6 ACWC	7.02Y	116.9	0.00	9.06	0.58	0	4	0	100	0.00	0.0	10.139	0.068	0	0	0	3	L
L PC-141456	PC-138858	A	4 ACSR	7.02Y	116.9	0.00	9.06	0.14	0	1	0	100	0.00	0.0	10.181	0.041	0	0	0	1	L
L PC-142889	PC-141456	A	4 ACSR	7.02Y	116.9	0.00	9.06	0.14	0	1	0	100	0.00	0.0	10.220	0.040	0	0	0	1	L
L PC-140450	PC-138858	A	6 ACWC	7.02Y	116.9	0.00	9.07	0.45	0	3	0	100	0.00	0.0	10.220	0.081	0	0	0	2	L
L PC-139431	PC-140450	A	2 ACSR	7.02Y	116.9	0.00	9.07	0.00	0	0	0	100	0.00	0.0	10.278	0.057	0	0	0	1	L
L PC-142662	PC-139431	A	2 ACSR	7.02Y	116.9	0.00	9.07	0.00	0	0	0	100	0.00	0.0	10.334	0.056	0	0	0	1	L
L PC-147920	PC-142662	A	2 ACSR	7.02Y	116.9	0.00	9.07	0.00	0	0	0	100	0.00	0.0	10.374	0.040	0	0	0	1	L
L PC-139760	PC-147920	A	2 ACSR	7.02Y	116.9	0.00	9.07	0.00	0	0	0	100	0.00	0.0	10.411	0.037	0	0	0	1	L
L PC-149863	PC-139760	A	2 ACSR	7.02Y	116.9	0.00	9.07	0.00	0	0	0	100	0.00	0.0	10.460	0.049	0	0	0	1	L

---------- Feeder No. 0 (36-114) Beginning with Device 36-114 ----------

---------- Feeder No. 0 (36-104) Beginning with Device 36-104 ----------

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total
KW	5495	48	0	0	0	0	249	0.00	5792
KVAR	550	5	0	0	0	0	260		815

Lowest Voltage = 113.75 on Element PC-144353
Max Accm VoltD = 12.25 on Element PC-144353
Max Elem VoltD = 0.31 on Element PC-166604

Balanced Voltage Drop Report
Source: ALCAN 1

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\BASE WINTER SUB ALLOCATION.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
ALCAN 1		ABC	ALCAN 1	7.56Y	126.0	0.00	0.00	198.05	0	4207	1574	94	0.00	0.0	0.000	0.000	0	0	0	27	
---------- Feeder No. 0 (10-1241) Beginning with Device 10-1241 ----------																					
---------- Feeder No. 0 (10-124) Beginning with Device 10-124 ----------																					
---------- Feeder No. 0 (10-114) Beginning with Device 10-114 ----------																					
C PC-164932	PC-89179	ABC	4/0 URD PR	7.52Y	125.4	0.01	0.61	151.13	67	2816	1925	83	0.23	0.0	0.414	0.006	0	0	0	1	C
C PC-164934	PC-164932	ABC	4/0 URD PR	7.52Y	125.4	0.02	0.63	151.13	67	2816	1925	83	0.43	0.0	0.424	0.011	0	0	0	1	C
C PC-164933	PC-164934	ABC	1/0 URD PR	7.51Y	125.1	0.22	0.85	151.13	89	2816	1924	83	5.63	0.2	0.496	0.072	0	0	0	1	C
C PC-151160	PC-164933	ABC	1/0 URD PR	7.51Y	125.1	0.00	0.85	151.13	89	2810	1922	83	0.08	0.0	0.497	0.001	0	0	0	1	C
C PC-164945	PC-151160	ABC	1/0 URD PR	7.50Y	125.0	0.16	1.01	151.13	89	2810	1922	83	3.99	0.1	0.548	0.051	0	0	0	1	C

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total	
KW	4058	126	0	0	0	0	23	0.00	4207	Lowest Voltage = 124.99 on Element PC-164945
KVAR	2777	86	-1320	0	0	0	30		1574	Max Accm VoltD = 1.01 on Element PC-164945
										Max Elem VoltD = 0.22 on Element PC-164933

Balanced Voltage Drop Report
Source: WEST NICHOLA...

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\BASE WINTER SUB ALLOCATION.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
WEST NICHOLA...		ABC	WEST NICHO	7.56Y	126.0	0.00	0.00	754.84	0	16773	3426	98	0.00	0.0	0.000	0.000	0	0	0	2849	
---------- Feeder No. 0 (3-104) Beginning with Device 3-104 ----------																					
---------- Feeder No. 0 (3-124) Beginning with Device 3-124 ----------																					
---------- Feeder No. 0 (3-144) Beginning with Device 3-144 ----------																					
---------- Feeder No. 0 (3-134) Beginning with Device 3-134 ----------																					
C PC-106922	PC-106921	ABC	4/0 ACSR	7.56Y	126.0	0.01	0.03	273.91	81	6061	1357	98	0.31	0.0	0.015	0.003	0	0	0	888	C
C PC-113127	PC-106922	ABC	4/0 ACSR	7.55Y	125.9	0.08	0.11	273.91	81	6061	1357	98	2.97	0.0	0.045	0.030	0	0	0	888	C
C PC-104059	PC-113127	ABC	4/0 ACSR	7.55Y	125.8	0.05	0.16	273.91	81	6058	1352	98	1.82	0.0	0.063	0.018	0	0	0	888	C
C PC-107120	PC-104059	ABC	4/0 ACSR	7.55Y	125.8	0.07	0.23	273.91	81	6056	1349	98	2.61	0.0	0.089	0.026	0	0	0	888	C
C PC-106948	PC-107120	ABC	4/0 ACSR	7.54Y	125.7	0.08	0.31	273.91	81	6053	1344	98	2.82	0.0	0.117	0.028	0	0	0	888	C
C PC-107683	PC-106948	ABC	4/0 ACSR	7.54Y	125.6	0.07	0.38	273.91	81	6051	1340	98	2.66	0.0	0.144	0.027	0	0	0	888	C
C PC-108910	PC-107683	ABC	4/0 ACSR	7.53Y	125.6	0.06	0.45	273.91	81	6048	1335	98	2.34	0.0	0.167	0.023	0	0	0	888	C
---------- Feeder No. 0 (3-164) Beginning with Device 3-164 ----------																					
---------- Feeder No. 0 (3-154) Beginning with Device 3-154 ----------																					

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total	
KW	16181	308	0	0	0	0	284	0.00	16773	Lowest Voltage = 119.10 on Element PC-99537
KVAR	3754	71	-950	0	0	0	550		3426	Max Accm VoltD = 6.90 on Element PC-99537
										Max Elem VoltD = 0.14 on Element PC-103070

Substation Summary:

Substation	KW	KW Losses	KVAR	KVAR Losses	KVA	% Capacity
SOUTH POINT	1665.00	6.00	486.00	10.00	1734.69	0.00
WEST NICHOLA...	8099.00	49.00	2660.00	99.00	8524.74	0.00
BRACKEN_COUNTY	5736.00	236.00	1122.00	198.00	5794.44	0.00
FOUR_OAKS	7096.00	268.00	2093.00	323.00	7241.50	0.00
COLEMANSVILLE	8274.00	298.00	1484.00	363.00	8356.88	0.00
CYNTHIANA	12598.00	344.00	3522.00	503.00	12856.83	0.00
3M	7106.00	2.00	4072.00	4.00	8190.89	0.00
HEADQUARTERS	5792.00	249.00	815.00	260.00	5848.84	0.00
LEES_LICK	10651.00	723.00	2670.00	823.00	10980.30	0.00
MILLERSBURG	5087.00	158.00	723.00	154.00	5137.62	0.00
JACKSONVILLE	4781.00	179.00	1300.00	242.00	4879.26	0.00
OXFORD	4817.00	111.00	1022.00	129.00	4866.90	0.00
BRIDGEPORT	15253.00	213.00	328.00	318.00	15253.01	0.00
NINEVAH	7310.00	649.00	1237.00	660.00	7413.06	0.00
POWELL TAYLOR	6258.00	97.00	1369.00	118.00	6406.73	0.00
SOUTH ELKHORN	9341.00	88.00	1669.00	134.00	9435.15	0.00
SINAI	9064.00	424.00	1921.00	441.00	9155.13	0.00
FAYETTE1	12277.00	141.00	2082.00	263.00	12402.75	0.00
FAYETTE2	8521.00	42.00	1213.00	63.00	8606.70	0.00
HOLLOWAY	11376.00	256.00	2971.00	441.00	11609.50	0.00
CLAY_LICK	8431.00	233.00	2159.00	307.00	8517.22	0.00
DAVIS	10143.00	354.00	757.00	439.00	10142.92	0.00
CHAPLIN	1099.00	0.00	532.00	0.00	1221.35	0.00
VAN_ARSDELL	12908.00	745.00	2871.00	1010.00	13161.75	0.00
WEST NICHOLA...	16773.00	284.00	4375.00	550.00	17119.78	0.00
NICHOLASVILLE	8161.00	87.00	2174.00	136.00	8247.64	0.00
SOUTH JESSAMINE	17247.00	361.00	5798.00	683.00	17788.45	0.00
NORTH MADISON	8533.00	312.00	1734.00	373.00	8707.31	0.00
MERCER_CO	3552.00	4.00	2258.00	5.00	4041.61	0.00
NEWBY	12043.00	278.00	2755.00	464.00	12289.48	0.00
CROOKSVILLE	9148.00	205.00	1847.00	356.00	9332.94	0.00
HICKORY PLAINS	20642.00	394.00	4840.00	729.00	21132.28	0.00
ALCAN 2	12734.00	108.00	7398.00	217.00	14265.31	0.00
ALCAN 1	4207.00	23.00	2893.00	30.00	4491.81	0.00
WEST BEREA	14859.00	278.00	3087.00	469.00	15012.26	0.00
PPG	5034.00	0.00	1597.00	0.00	5281.79	0.00
Total:	326616.00	8199.00	81834.00	11314.00	335448.81	

APPENDIX 4

Primary Analysis Future of System with Winter 2013 ~ 2014 Loads (After System Improvements)

Balanced Voltage Drop Report
Source: CYNTHIANA

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\ASI ~ GG.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
CYNTHIANA		ABC	CYNTHIANA	7.56Y	126.0	0.00	0.00	739.75	0	16463	3235	98	0.00	0.0	0.000	0.000	0	0	0	2483	
---------- Feeder No. 0 (35-124) Beginning with Device 35-124 ----------																					
---------- Feeder No. 0 (35-134) Beginning with Device 35-134 ----------																					
---------- Feeder No. 0 (35-114) Beginning with Device 35-114 ----------																					
---------- Feeder No. 0 (35-104) Beginning with Device 35-104 ----------																					
---------- Feeder No. 0 (35-154) Beginning with Device 35-154 ----------																					
C PC-158440	PC-141256	ABC	1/0 URD PR	7.47Y	124.5	0.31	1.49	113.69	67	2485	590	97	5.89	0.2	0.980	0.132	0	0	0	481	C
P PC-172337	PC-172335	B	1/0 URD PR	7.08Y	118.0	0.00	7.96	-0.02	0	0	0	100	0.00	0.0	7.455	0.033	0	0	0	0	P
---------- Feeder No. 0 (35-164) Beginning with Device 35-164 ----------																					
L PC-169918	PC-134458	C	2 ACSR	7.02Y	117.0	0.22	9.02	64.25	36	446	73	99	0.74	0.2	8.777	0.109	0	0	0	52	L
L PC-171317	PC-169918	C	2 ACSR	7.02Y	117.0	0.01	9.04	62.52	35	433	71	99	0.05	0.0	8.785	0.008	0	0	0	51	L
L D101183	PC-171317	C	<NULL>	7.02Y	117.0	0.00	9.04	62.52	0	433	71	99	0.00	0.0	8.785	0.008	0	0	0	51	L
L PC-171319	D101183	C	1/0 URD PR	7.02Y	116.9	0.02	9.06	33.14	19	229	38	99	0.04	0.0	8.806	0.022	0	0	0	28	L
L PC-171316	PC-171319	C	1/0 URD PR	7.01Y	116.9	0.04	9.10	27.27	16	189	31	99	0.07	0.0	8.857	0.051	0	0	0	23	L
L PC-171315	PC-171316	C	1/0 URD PR	7.01Y	116.9	0.04	9.14	22.06	13	153	25	99	0.05	0.0	8.914	0.057	0	0	0	19	L
L PC-169903	PC-171315	C	1/0 URD PR	7.01Y	116.8	0.02	9.16	16.84	10	117	19	99	0.02	0.0	8.953	0.039	0	0	0	16	L
L PC-176627	PC-169903	C	1/0 URD PR	7.01Y	116.8	0.01	9.18	12.81	8	89	14	99	0.01	0.0	8.989	0.036	0	0	0	10	L
L PC-159008	PC-176627	C	1/0 URD PR	7.01Y	116.8	0.01	9.19	8.70	5	60	10	99	0.00	0.0	9.025	0.036	0	0	0	7	L
L PC-157972	PC-159008	C	1/0 URD PR	7.01Y	116.8	0.00	9.19	4.18	2	29	5	99	0.00	0.0	9.062	0.037	0	0	0	4	L
L PC-155902	PC-157972	C	1/0 URD PR	7.01Y	116.8	-0.00	9.19	-0.03	0	0	0	100	0.00	0.0	9.137	0.075	0	0	0	0	L
L S223-A	PC-155902	C	Open	7.01Y	116.8	0.00	9.19	0.00	0	0	0	100	0.00	0.0	9.137	0.075	0	0	0	0	L
L PC-169919	D101183	C	1/0 URD PR	7.01Y	116.9	0.08	9.12	29.39	17	204	33	99	0.14	0.1	8.877	0.092	0	0	0	23	L
L PC-169904	PC-169919	C	1/0 URD PR	7.01Y	116.8	0.03	9.16	27.60	16	191	31	99	0.05	0.0	8.917	0.041	0	0	0	21	L
L PC-169920	PC-169904	C	1/0 URD PR	7.01Y	116.8	0.03	9.19	24.65	14	171	28	99	0.04	0.0	8.959	0.042	0	0	0	19	L
L PC-158829	PC-169920	C	1/0 URD PR	7.01Y	116.8	0.03	9.22	19.55	11	135	22	99	0.03	0.0	9.008	0.049	0	0	0	15	L
L PC-158830	PC-158829	C	1/0 URD PR	7.01Y	116.8	0.02	9.24	17.51	10	121	20	99	0.02	0.0	9.048	0.040	0	0	0	13	L
L PC-174495	PC-158830	C	1/0 URD PR	7.00Y	116.7	0.02	9.26	14.43	8	100	16	99	0.01	0.0	9.087	0.039	0	0	0	11	L
L PC-157973	PC-174495	C	1/0 URD PR	7.00Y	116.7	0.02	9.27	11.47	7	79	13	99	0.01	0.0	9.130	0.043	0	0	0	9	L
L PC-174494	PC-157973	C	1/0 URD PR	7.00Y	116.7	0.01	9.28	8.76	5	61	10	99	0.01	0.0	9.167	0.037	0	0	0	7	L
L PC-158739	PC-174494	C	1/0 URD PR	7.00Y	116.7	0.01	9.29	4.13	2	29	5	99	0.00	0.0	9.241	0.074	0	0	0	4	L
L PC-156711	PC-158739	C	1/0 URD PR	7.00Y	116.7	0.00	9.29	-0.00	0	0	0	100	0.00	0.0	9.247	0.006	0	0	0	0	L
L S223-B	PC-156711	C	Open	7.00Y	116.7	0.00	9.29	0.00	0	0	0	100	0.00	0.0	9.247	0.006	0	0	0	0	L

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total
KW	15654	248	0	0	0	0	562	0.00	16463
KVAR	3623	61	-1249	-35	0	0	834		3235

Lowest Voltage = 116.71 on Element PC-158739
Max Accm VoltD = 9.29 on Element PC-158739
Max Elem VoltD = 1.85 on Element PC-136292

Balanced Voltage Drop Report
Source: CHAPLIN

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\ASI ~ GG.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
CHAPLIN		ABC	CHAPLIN	2.52Y	126.0	0.00	0.00	216.10	0	1480	692	91	0.00	0.0	0.000	0.000	0	0	0	1

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total
KW	1429	51	0	0	0	0	0	0.00	1480
KVAR	668	24	0	0	0	0	0		692

Lowest Voltage = 125.97 on Element PC-108303
Max Accm VoltD = 0.03 on Element PC-108303
Max Elem VoltD = 0.03 on Element PC-108303

Balanced Voltage Drop Report
Source: 3M

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\ASI ~ GG.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
3M		ABC	3M	7.56Y	126.0	0.00	0.00	433.39	0	8528	4887	87	0.00	0.0	0.000	0.000	0	0	0	1	
---------- Feeder No. 0 (37-104) Beginning with Device 37-104 ----------																					
C PC-132306	3M	ABC	4/0 ACSR	7.56Y	125.9	0.08	0.08	433.39	127	8528	4887	87	3.59	0.0	0.014	0.014	0	0	0	1	C
---------- Feeder No. 0 (37-114) Beginning with Device 37-114 ----------																					
P PC-158436	PC-131696	ABC	350 MCM UR	7.56Y	125.9	0.00	0.08	-0.01	0	0	0	100	0.00	0.0	0.245	0.011	0	0	0	0	P

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total	
KW	8233	291	0	0	0	0	4	0.00	8528	Lowest Voltage = 125.92 on Element PC-132306
KVAR	4715	167	0	0	0	0	6		4887	Max Accm VoltD = 0.08 on Element PC-132306
										Max Elem VoltD = 0.08 on Element PC-132306

Balanced Voltage Drop Report
Source: CLAY_LICK

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\ASI ~ GG.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
CLAY_LICK		ABC	CLAY_LICK	7.56Y	126.0	0.00	0.00	602.59	0	13633	958	100	0.00	0.0	0.000	0.000	0	0	0	1465	
---------- Feeder No. 0 (26-144) Beginning with Device 26-144 ----------																					
---------- Feeder No. 0 (26-114) Beginning with Device 26-114 ----------																					
---------- Feeder No. 0 (26-134) Beginning with Device 26-134 ----------																					
---------- Feeder No. 0 (26-124) Beginning with Device 26-124 ----------																					
C PC-111554	PC-111047	ABC	3/0 ACSR	7.53Y	125.5	0.37	0.53	226.10	75	5090	570	99	13.25	0.3	0.274	0.154	0	0	0	536	C
C PC-112672	PC-111554	ABC	3/0 ACSR	7.52Y	125.3	0.15	0.68	225.82	75	5070	550	99	5.37	0.1	0.337	0.063	0	0	0	535	C
C PC-117969	C86	ABC	3/0 ACSR	7.51Y	125.2	0.11	0.79	227.82	76	5065	870	99	3.59	0.1	0.378	0.041	0	0	0	535	C
C PC-112742	PC-108161	ABC	1/0 ACSR	7.45Y	124.2	0.23	1.78	161.25	70	3572	533	99	5.87	0.2	0.872	0.085	0	0	0	376	C
C PC-105075	PC-112742	ABC	1/0 ACSR	7.45Y	124.1	0.12	1.90	159.20	69	3522	519	99	3.00	0.1	0.916	0.044	0	0	0	370	C
C PC-111481	PC-105075	ABC	1/0 ACSR	7.43Y	123.9	0.21	2.11	158.02	69	3493	511	99	5.25	0.2	0.995	0.079	0	0	0	368	C

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total	
KW	12942	146	0	0	0	0	545	0.00	13633	Lowest Voltage = 118.33 on Element PC-125114
KVAR	2710	28	-2499	-14	0	0	732		958	Max Accm VoltD = 7.67 on Element PC-125114
										Max Elem VoltD = 1.35 on Element PC-166249

Balanced Voltage Drop Report
Source: NEWBY

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\ASI ~ GG.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
NEWBY		ABC	NEWBY	7.56Y	126.0	0.00	0.00	704.21	0	15632	3277	98	0.00	0.0	0.000	0.000	0	0	0	1641	
---------- Feeder No. 0 (7-114) Beginning with Device 7-114 ----------																					
---------- Feeder No. 0 (7-124) Beginning with Device 7-124 ----------																					
---------- Feeder No. 0 (7-134) Beginning with Device 7-134 ----------																					
P PC-154787	PC-155683	C	1/0 URD PR	7.28Y	121.3	0.00	4.74	0.00	0	0	0	100	0.00	0.0	2.806	0.002	0	0	0	0	P
P PC-154734	PC-164636	C	1/0 URD PR	7.24Y	120.6	0.00	5.40	-0.00	0	0	0	100	0.00	0.0	3.039	0.006	0	0	0	0	P
---------- Feeder No. 0 (7-144) Beginning with Device 7-144 ----------																					
P PC-152910	PC-152909	C	1/0 URD PR	7.26Y	120.9	0.00	5.07	-0.00	0	0	0	100	0.00	0.0	5.967	0.006	0	0	0	0	P
---------- Feeder No. 0 (7-154) Beginning with Device 7-154 ----------																					
---------- Feeder No. 0 (7-104) Beginning with Device 7-104 ----------																					

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total	
KW	15051	113	0	0	0	0	468	0.00	15632	Lowest Voltage = 118.73 on Element PC-172284
KVAR	2792	21	-298	-22	0	0	784		3277	Max Accm VoltD = 7.27 on Element PC-172284
										Max Elem VoltD = 4.03 on Element PC-99274

Balanced Voltage Drop Report
Source: FAYETTE2

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\ASI ~ GG.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
FAYETTE2		ABC	FAYETTE2	7.56Y	126.0	0.00	0.00	464.12	0	10419	1495	99	0.00	0.0	0.000	0.000	0	0	0	2445	
---------- Feeder No. 0 (6-114) Beginning with Device 6-114 ----------																					
P PC-88885	PC-157698	B	1/0 URD PR	7.56Y	125.9	0.00	0.06	-0.00	0	0	0	100	0.00	0.0	0.132	0.006	0	0	0	0	P
P PC-155626	PC-161831	B	1/0 URD PR	7.55Y	125.8	0.00	0.18	-0.00	0	0	0	100	0.00	0.0	0.434	0.006	0	0	0	0	P
P PC-166955	PC-155595	C	1/0 URD PR	7.52Y	125.4	0.00	0.59	-0.00	0	0	0	100	0.00	0.0	1.614	0.006	0	0	0	0	P
P PC-167413	PC-167053	C	1/0 URD PR	7.56Y	126.0	0.00	0.02	-0.00	0	0	0	100	0.00	0.0	0.141	0.006	0	0	0	0	P
---------- Feeder No. 0 (6-124) Beginning with Device 6-124 ----------																					
P PC-153782	PC-163850	C	1/0 URD PR	7.52Y	125.4	0.00	0.63	-0.01	0	0	0	100	0.00	0.0	0.828	0.020	0	0	0	0	P
P PC-163607	PC-162113	B	1/0 URD PR	7.51Y	125.2	0.00	0.83	-0.00	0	0	0	100	0.00	0.0	0.566	0.009	0	0	0	0	P
P PC-153978	PC-156279	C	1/0 URD PR	7.49Y	124.9	0.00	1.13	-0.01	0	0	0	100	0.00	0.0	0.989	0.016	0	0	0	0	P
P PC-167118	PC-166977	B	1/0 URD PR	7.49Y	124.8	0.00	1.15	-0.01	0	0	0	100	0.00	0.0	1.033	0.017	0	0	0	0	P
P PC-112392	PC-113343	ABC	4/0 ACSR	7.45Y	124.2	0.00	1.78	-0.00	0	0	0	100	0.00	0.0	1.703	0.005	0	0	0	0	P
P PC-166815	PC-154394	B	1/0 URD PR	7.45Y	124.2	0.00	1.83	-0.00	0	0	0	100	0.00	0.0	1.664	0.006	0	0	0	0	P
P PC-166819	PC-157976	B	1/0 URD PR	7.45Y	124.2	0.00	1.80	-0.01	0	0	0	100	0.00	0.0	1.645	0.014	0	0	0	0	P
P PC-154472	PC-166814	B	1/0 URD PR	7.45Y	124.2	0.00	1.76	-0.00	0	0	0	100	0.00	0.0	1.619	0.006	0	0	0	0	P
P PC-162589	PC-156717	C	1/0 URD PR	7.45Y	124.2	0.00	1.76	-0.00	0	0	0	100	0.00	0.0	1.648	0.006	0	0	0	0	P
P PC-157740	PC-157739	C	1/0 URD PR	7.54Y	125.6	0.00	0.40	-0.00	0	0	0	100	0.00	0.0	0.312	0.006	0	0	0	0	P
---------- Feeder No. 0 (6-134) Beginning with Device 6-134 ----------																					
---------- Feeder No. 0 (6-104) Beginning with Device 6-104 ----------																					
P PC-166775	PC-156220	B	1/0 URD PR	7.54Y	125.7	0.00	0.25	-0.00	0	0	0	100	0.00	0.0	0.238	0.006	0	0	0	0	P
P PC-157636	PC-157920	C	1/0 URD PR	7.53Y	125.5	0.00	0.45	-0.01	0	0	0	100	0.00	0.0	0.686	0.016	0	0	0	0	P
P PC-167120	PC-164977	C	1/0 URD PR	7.54Y	125.6	0.00	0.39	-0.00	0	0	0	100	0.00	0.0	0.521	0.006	0	0	0	0	P
P PC-154818	PC-157589	B	1/0 URD PR	7.52Y	125.3	0.00	0.75	-0.01	0	0	0	100	0.00	0.0	0.835	0.020	0	0	0	0	P
P PC-156200	PC-156476	B	1/0 URD PR	7.52Y	125.3	0.00	0.73	-0.00	0	0	0	100	0.00	0.0	0.755	0.006	0	0	0	0	P

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total
KW	10051	305	0	0	0	0	64	0.00	10419
KVAR	1438	44	0	-84	0	0	97		1495

Lowest Voltage = 124.11 on Element PC-155475
Max Accm VoltD = 1.89 on Element PC-155475
Max Elem VoltD = 0.39 on Element PC-119973

Balanced Voltage Drop Report
Source: NICHOLASVILLE

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\ASI ~ GG.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
NICHOLASVILLE		ABC	NICHOLASVI	7.56Y	126.0	0.00	0.00	573.43	0	12918	1508	99	0.00	0.0	0.000	0.000	0	0	0	1190	
C PC-108187	NICHOLASVILLE	ABC	4/0 ACSR	7.56Y	126.0	0.01	0.01	223.41	66	5064	-175	-100	0.38	0.0	0.006	0.006	0	0	0	471	C
---------- Feeder No. 0 (1-124) Beginning with Device 1-124 ----------																					
C PC-117795	1-124	ABC	4/0 ACSR	7.55Y	125.9	0.14	0.14	223.41	66	5063	-176	-100	5.79	0.1	0.093	0.087	0	0	0	471	C
C PC-107367	PC-117795	ABC	4/0 ACSR	7.54Y	125.6	0.22	0.36	223.41	66	5058	-186	-100	9.50	0.2	0.235	0.143	0	0	0	470	C
P PC-167875	PC-167872	B	1/0 URD PR	7.42Y	123.7	0.00	2.29	-0.01	0	0	0	100	0.00	0.0	1.844	0.019	0	0	0	0	P
P PC-159054	NICHOLASVILLE	ABC	556.1 ACSR	7.56Y	126.0	0.00	0.00	19.44	3	136	419	31	0.00	0.0	0.007	0.007	0	0	0	20	P
---------- Feeder No. 0 (1-144) Beginning with Device 1-144 ----------																					
P PC-107078	1-144	ABC	556.1 ACSR	7.56Y	126.0	0.03	0.03	19.44	3	136	419	31	0.03	0.0	0.150	0.143	0	0	0	20	P
P PC-176162	PC-107078	ABC	556.1 ACSR	7.56Y	126.0	0.01	0.04	19.44	3	136	419	31	0.01	0.0	0.210	0.060	0	0	0	20	P
P PC-176161	PC-176162	ABC	556.1 ACSR	7.56Y	125.9	0.02	0.06	16.65	2	116	359	31	0.02	0.0	0.331	0.121	0	0	0	19	P
P PC-169807	PC-176161	A	4 ACSR	7.56Y	125.9	0.01	0.07	5.93	4	14	43	31	0.00	0.0	0.370	0.039	0	0	0	2	P
P PC-170354	PC-169807	A	2 ACSR	7.56Y	125.9	0.01	0.08	3.42	2	8	25	30	0.00	0.0	0.432	0.062	0	0	0	1	P
P PC-170746	PC-170354	A	1/0 URD PR	7.56Y	125.9	0.00	0.08	3.42	2	8	25	30	0.00	0.0	0.467	0.035	0	0	0	1	P
P PC-104804	PC-176161	ABC	556.1 ACSR	7.55Y	125.9	0.07	0.13	14.67	2	102	316	31	0.05	0.0	0.786	0.455	0	0	0	17	P
P PC-159921	PC-104804	B	6 ACWC	7.55Y	125.9	0.02	0.15	2.45	2	6	18	32	0.00	0.0	0.991	0.204	0	0	0	2	P
P PC-169413	PC-159921	B	4 ACSR	7.55Y	125.8	0.01	0.16	2.45	2	6	18	32	0.00	0.0	1.088	0.097	0	0	0	2	P
P PC-169533	PC-169413	B	4 ACSR	7.55Y	125.8	0.00	0.16	0.01	0	0	0	100	0.00	0.0	1.154	0.066	0	0	0	1	P
P PC-169339	PC-169413	B	4 ACSR	7.55Y	125.8	0.01	0.17	2.44	2	6	17	33	0.00	0.0	1.177	0.089	0	0	0	1	P
P PC-106839	PC-104804	ABC	556.1 ACSR	7.54Y	125.7	0.14	0.27	9.44	1	66	203	31	0.06	0.1	2.194	1.408	0	0	0	12	P
P PC-169808	PC-106839	ABC	556.1 ACSR	7.54Y	125.7	0.01	0.28	9.44	1	66	203	31	0.00	0.0	2.302	0.108	0	0	0	12	P
P PC-106481	PC-169808	ABC	556.1 ACSR	7.54Y	125.7	0.01	0.29	9.44	1	66	203	31	0.00	0.0	2.364	0.062	0	0	0	12	P
P PC-110915	PC-106481	ABC	556.1 ACSR	7.54Y	125.7	0.02	0.31	9.38	1	65	202	31	0.01	0.0	2.577	0.213	0	0	0	11	P
P PC-110595	PC-110915	B	4 ACSR	7.54Y	125.7	0.01	0.32	5.62	4	13	40	31	0.00	0.0	2.637	0.059	0	0	0	1	P
P PC-103909	PC-110915	ABC	556.1 ACSR	7.54Y	125.7	0.00	0.31	7.34	1	51	158	31	0.00	0.0	2.612	0.035	0	0	0	9	P
P PC-108831	PC-103909	ABC	556.1 ACSR	7.54Y	125.7	0.00	0.31	7.18	1	50	155	31	0.00	0.0	2.649	0.036	0	0	0	8	P
P PC-105923	PC-108831	ABC	556.1 ACSR	7.54Y	125.7	0.00	0.31	4.84	1	34	104	31	0.00	0.0	2.721	0.072	0	0	0	7	P
P PC-176224	PC-105923	ABC	556.1 ACSR	7.54Y	125.7	0.00	0.32	3.09	0	22	66	32	0.00	0.0	2.811	0.090	0	0	0	5	P
P PC-176220	PC-176224	ABC	556.1 ACSR	7.54Y	125.7	0.00	0.32	2.62	0	18	56	31	0.00	0.0	2.848	0.037	0	0	0	4	P
P PC-176222	PC-176220	ABC	556.1 ACSR	7.54Y	125.7	0.00	0.32	2.62	0	18	56	31	0.00	0.0	2.889	0.041	0	0	0	3	P
P PC-105905	PC-176222	A	4 ACSR	7.54Y	125.7	0.01	0.33	7.86	6	18	56	31	0.01	0.0	2.929	0.040	0	0	0	3	P
P PC-106685	PC-105905	A	4 ACSR	7.54Y	125.7	0.01	0.34	6.41	5	15	46	31	0.01	0.0	2.984	0.055	0	0	0	1	P
P PC-110986	PC-176224	B	4 ACSR	7.54Y	125.7	0.00	0.32	1.40	1	3	10	29	0.00	0.0	2.870	0.059	0	0	0	1	P
P PC-105841	PC-105923	B	4 ACSR	7.54Y	125.7	0.00	0.32	2.56	2	6	18	32	0.00	0.0	2.769	0.048	0	0	0	1	P
P PC-101790	PC-108831	B	4 ACSR	7.54Y	125.7	0.01	0.33	7.02	5	16	50	30	0.01	0.0	2.706	0.057	0	0	0	1	P
P PC-105877	PC-104804	A	6 ACWC	7.55Y	125.9	0.00	0.13	13.27	9	31	95	31	0.00	0.0	0.792	0.006	0	0	0	3	P
P PC-114162	PC-105877	A	6 ACWC	7.55Y	125.8	0.03	0.16	8.89	6	21	64	31	0.02	0.1	0.879	0.087	0	0	0	2	P
P PC-176307	PC-114162	A	6 ACWC	7.55Y	125.8	0.01	0.17	8.89	6	21	64	31	0.01	0.0	0.914	0.036	0	0	0	2	P
P PC-105575	PC-176307	A	6 ACWC	7.55Y	125.8	0.00	0.18	3.43	2	8	25	30	0.00	0.0	0.950	0.036	0	0	0	1	P
P PC-176157	PC-105575	A	4 ACSR	7.55Y	125.8	0.03	0.20	3.43	2	8	25	30	0.01	0.0	1.172	0.221	0	0	0	1	P
P PC-101028	PC-105877	A	4 ACSR	7.55Y	125.8	0.02	0.15	4.38	3	10	31	31	0.01	0.0	0.922	0.130	0	0	0	1	P
---------- Feeder No. 0 (1-104) Beginning with Device 1-104 ----------																					
P PC-155881	PC-156135	B	1/0 URD PR	7.53Y	125.4	0.00	0.57	-0.00	0	0	0	100	0.00	0.0	0.508	0.006	0	0	0	0	P
---------- Feeder No. 0 (1-134) Beginning with Device 1-134 ----------																					
P PC-163255	PC-155796	A	1/0 URD PR	7.35Y	122.6	0.00	3.43	-0.00	0	0	0	100	0.00	0.0	1.749	0.006	0	0	0	0	P
---------- Feeder No. 0 (1-114) Beginning with Device 1-114 ----------																					

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total
KW	12394	233	0	0	0	0	291	0.00	12918
KVAR	2626	62	-1580	-40	0	0	440		1508

Lowest Voltage = 118.23 on Element PC-101304
Max Accm VoltD = 7.77 on Element PC-101304
Max Elem VoltD = 1.07 on Element PC-176172

Balanced Voltage Drop Report
Source: CROOKSVILLE

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\ASI ~ GG.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
CROOKSVILLE		ABC	CROOKSVILL	7.56Y	126.0	0.00	0.00	661.55	0	14860	2075	99	0.00	0.0	0.000	0.000	0	0	0	1742
---------- Feeder No. 0 (13-144) Beginning with Device 13-144 ----------																				
---------- Feeder No. 0 (13-124) Beginning with Device 13-124 ----------																				
H R5	PC-93444	ABC	219	7.56Y	126.0	-5.33	-0.00	156.83	72	3357	581	99	percent Boost= 4.23 Tap= 6.8							426 H
---------- Feeder No. 0 (13-114) Beginning with Device 13-114 ----------																				

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total
KW	14150	205	0	0	0	0	504	0.00	14860
KVAR	2374	35	-1218	-6	0	0	890		2075

Lowest Voltage = 117.93 on Element PC-92516
Max Accm VoltD = 8.07 on Element PC-92516
Max Elem VoltD = 0.70 on Element PC-97102

Balanced Voltage Drop Report
Source: LEES_LICK

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\ASI ~ GG.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Cons On	Cons Thru	
LEES_LICK		ABC	LEES_LICK	7.56Y	126.0	0.00	0.00	528.11	0	11939	959	100	0.00	0.0	0.000	0.000	0	0	0	1578	
---------- Feeder No. 0 (34-134) Beginning with Device 34-134 ----------																					
---------- Feeder No. 0 (34-114) Beginning with Device 34-114 ----------																					
---------- Feeder No. 0 (34-104) Beginning with Device 34-104 ----------																					
C PC-141103	PC-141676	ABC	1/0 ACSR	7.37Y	122.8	0.02	3.24	172.87	75	3817	-161	-100	0.58	0.0	3.473	0.007	0	0	0	441	C
C PC-141105	PC-141103	ABC	1/0 ACSR	7.37Y	122.8	0.01	3.25	172.87	75	3816	-162	-100	0.18	0.0	3.476	0.002	0	0	0	441	C
P NEWCAP-1CFBE4E6	PC-136643	ABC	Cap (600)	7.34Y	122.3	0.00	3.74	-28.30	0	0	-623	0	0.00	0.0	4.165	0.002	0	0	0	0	P
C PC-128287	PC-128284	ABC	1/0 ACSR	7.28Y	121.4	0.02	4.59	163.28	71	3552	341	100	0.41	0.0	5.059	0.006	0	0	0	408	C
H REG223	PC-159530	ABC	219	7.56Y	126.0	-7.52	-0.00	103.31	47	2202	71	100	percent Boost= 5.96 Tap= 9.5							268	H
P PC-165803	PC-165984	C	1/0 URD PR	7.23Y	120.5	0.00	5.52	-0.03	0	0	0	100	0.00	0.0	12.724	0.054	0	0	0	0	P
---------- Feeder No. 0 (34-124) Beginning with Device 34-124 ----------																					
---------- Feeder No. 0 (34-144) Beginning with Device 34-144 ----------																					

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total	
KW	11218	163	0	0	0	0	559	0.00	11939	Lowest Voltage = 118.47 on Element PC-155958
KVAR	2002	30	-1891	-11	0	0	828		959	Max Accm VoltD = 7.53 on Element PC-155958
										Max Elem VoltD = 1.36 on Element PC-146242

Balanced Voltage Drop Report
Source: MILLERSBURG

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\ASI ~ GG.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
MILLERSBURG		ABC	MILLERSBUR	7.56Y	126.0	0.00	0.00	305.89	0	6900	719	99	0.00	0.0	0.000	0.000	0	0	0	1147

---------- Feeder No. 0 (38-124) Beginning with Device 38-124 ----------

---------- Feeder No. 0 (38-104) Beginning with Device 38-104 ----------

---------- Feeder No. 0 (38-114) Beginning with Device 38-114 ----------

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total			
KW	6547	64	0	0	0	0	290	0.00	6900	Lowest Voltage =	117.81	on Element PC-123468
KVAR	750	7	-310	-19	0	0	291		719	Max Accm VoltD =	8.19	on Element PC-123468
										Max Elem VoltD =	1.09	on Element PC-131143

Balanced Voltage Drop Report
Source: NORTH MADISON

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\ASI ~ GG.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

	Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
	NORTH MADISON		ABC	NORTH MADI	7.56Y	126.0	0.00	0.00	577.98	0	12973	1879	99	0.00	0.0	0.000	0.000	0	0	0	1024	
	---------- Feeder No. 0 (15-104) Beginning with Device 15-104 ----------																					
P	PC-148206	PC-161988	A	1/0 URD PR	7.46Y	124.4	0.00	1.61	0.00	0	0	0	100	0.00	0.0	2.929	0.002	0	0	0	0	P
P	PC-162644	PC-152061	B	1/0 URD PR	7.43Y	123.9	0.00	2.09	0.00	0	0	0	100	0.00	0.0	3.136	0.003	0	0	0	0	P
P	PC-158453	PC-159102	C	1/0 URD PR	7.42Y	123.6	0.00	2.36	-0.01	0	0	0	100	0.00	0.0	3.385	0.019	0	0	0	0	P
P	PC-161991	PC-152654	C	1/0 URD PR	7.43Y	123.8	0.00	2.18	-0.01	0	0	0	100	0.00	0.0	3.300	0.016	0	0	0	0	P
P	PC-161993	PC-152663	C	1/0 URD PR	7.43Y	123.8	0.00	2.18	-0.01	0	0	0	100	0.00	0.0	3.354	0.017	0	0	0	0	P
	---------- Feeder No. 0 (15-124) Beginning with Device 15-124 ----------																					
C	PC-161265	PC-102058	ABC	1/0 ACSR	7.48Y	124.7	0.86	1.34	156.73	68	3468	718	98	20.78	0.6	0.779	0.318	0	0	0	226	C
C	PC-161264	PC-161265	ABC	1/0 ACSR	7.46Y	124.4	0.30	1.65	150.02	65	3299	670	98	7.05	0.2	0.896	0.118	0	0	0	217	C
C	PC-101713	PC-161264	ABC	1/0 ACSR	7.43Y	123.8	0.53	2.18	149.57	65	3282	662	98	12.25	0.4	1.102	0.206	0	0	0	216	C
C	PC-101590	PC-101713	ABC	1/0 ACSR	7.41Y	123.6	0.25	2.43	149.57	65	3270	650	98	5.88	0.2	1.200	0.099	0	0	0	216	C
C	PC-155181	PC-101647	A	1/0 URD PR	7.24Y	120.7	0.16	5.33	97.35	57	694	129	98	0.88	0.1	2.703	0.053	0	0	0	46	C
P	PC-159939	PC-170984	B	1/0 URD PR	7.23Y	120.5	0.00	5.46	-0.00	0	0	0	100	0.00	0.0	3.733	0.008	0	0	0	0	P
	---------- Feeder No. 0 (15-114) Beginning with Device 15-114 ----------																					
P	PC-164358	PC-168264	C	1/0 URD PR	7.26Y	121.0	-0.00	4.97	-0.07	0	0	-1	0	0.00	0.0	5.405	0.154	0	0	0	0	P
P	PC-159137	PC-159300	C	1/0 URD PR	7.23Y	120.5	0.00	5.48	-0.00	0	0	0	100	0.00	0.0	5.182	0.007	0	0	0	0	P
P	PC-154825	PC-154654	C	1/0 URD PR	7.18Y	119.6	0.00	6.38	-0.00	0	0	0	100	0.00	0.0	6.411	0.006	0	0	0	0	P
P	PC-152903	PC-148820	C	1/0 URD PR	7.18Y	119.6	0.00	6.37	-0.01	0	0	0	100	0.00	0.0	6.358	0.019	0	0	0	0	P
P	PC-177367	PC-177368	C	1/0 URD PR	7.18Y	119.6	0.00	6.41	-0.01	0	0	0	100	0.00	0.0	6.552	0.031	0	0	0	0	P
P	PC-155852	PC-155680	C	1/0 URD PR	7.18Y	119.6	0.00	6.39	-0.01	0	0	0	100	0.00	0.0	6.338	0.013	0	0	0	0	P
P	PC-161352	PC-107569	B	1/0 URD PR	7.18Y	119.7	-0.00	6.35	-0.03	0	0	0	100	0.00	0.0	6.319	0.072	0	0	0	0	P
P	PC-103676	PC-164940	B	1/0 URD PR	7.17Y	119.5	0.00	6.52	-0.00	0	0	0	100	0.00	0.0	6.762	0.006	0	0	0	0	P
P	PC-164939	PC-154759	B	1/0 URD PR	7.17Y	119.5	0.00	6.51	-0.00	0	0	0	100	0.00	0.0	6.724	0.008	0	0	0	0	P
P	PC-165225	PC-156136	B	1/0 URD PR	7.16Y	119.4	0.00	6.63	-0.00	0	0	0	100	0.00	0.0	6.932	0.009	0	0	0	0	P
P	PC-166696	PC-164652	A	1/0 URD PR	7.15Y	119.1	0.00	6.85	-0.00	0	0	0	100	0.00	0.0	8.780	0.006	0	0	0	0	P
P	PC-154060	PC-164652	A	1/0 URD PR	7.15Y	119.1	0.00	6.85	-0.01	0	0	0	100	0.00	0.0	8.792	0.017	0	0	0	0	P
P	PC-166681	PC-108761	C	1/0 URD PR	7.15Y	119.1	0.00	6.86	-0.02	0	0	0	100	0.00	0.0	8.915	0.032	0	0	0	0	P
P	PC-173624	PC-167635	B	1/0 URD PR	7.15Y	119.1	0.00	6.91	-0.01	0	0	0	100	0.00	0.0	9.027	0.012	0	0	0	0	P
P	PC-166679	PC-167597	B	1/0 URD PR	7.15Y	119.1	0.00	6.91	-0.01	0	0	0	100	0.00	0.0	9.103	0.020	0	0	0	0	P
P	PC-159138	PC-154814	B	1/0 URD PR	7.15Y	119.1	0.00	6.86	0.00	0	0	0	100	0.00	0.0	8.808	0.001	0	0	0	0	P
P	PC-165070	PC-103509	C	1/0 URD PR	7.15Y	119.2	-0.00	6.84	-0.01	0	0	0	100	0.00	0.0	8.595	0.030	0	0	0	1	P
P	PC-154641	PC-155803	A	1/0 URD PR	7.12Y	118.6	-0.00	7.37	-0.05	0	0	0	100	0.00	0.0	9.083	0.108	0	0	0	0	P
P	PC-162009	PC-154650	A	1/0 URD PR	7.12Y	118.6	0.00	7.41	-0.01	0	0	0	100	0.00	0.0	9.059	0.013	0	0	0	0	P
P	PC-165261	PC-155544	A	1/0 URD PR	7.11Y	118.5	0.00	7.48	-0.01	0	0	0	100	0.00	0.0	9.246	0.015	0	0	0	0	P
P	PC-154964	PC-155544	A	1/0 URD PR	7.11Y	118.5	-0.00	7.48	-0.03	0	0	0	100	0.00	0.0	9.289	0.058	0	0	0	0	P
P	PC-165074	PC-164260	A	1/0 URD PR	7.11Y	118.5	0.00	7.46	-0.01	0	0	0	100	0.00	0.0	9.191	0.012	0	0	0	0	P
P	PC-155434	PC-154534	A	1/0 URD PR	7.15Y	119.1	-0.00	6.90	-0.04	0	0	0	100	0.00	0.0	8.423	0.080	0	0	0	0	P
P	PC-154722	PC-154534	A	1/0 URD PR	7.15Y	119.1	0.00	6.90	-0.01	0	0	0	100	0.00	0.0	8.358	0.014	0	0	0	0	P
P	PC-162117	PC-155393	C	1/0 URD PR	7.15Y	119.2	-0.00	6.83	-0.02	0	0	0	100	0.00	0.0	8.550	0.045	0	0	0	0	P
P	PC-155117	PC-155393	C	1/0 URD PR	7.15Y	119.2	-0.00	6.83	-0.09	0	0	-1	0	0.00	0.0	8.695	0.190	0	0	0	0	P
P	PC-155525	PC-153012	C	1/0 URD PR	7.16Y	119.3	0.00	6.71	-0.01	0	0	0	100	0.00	0.0	7.653	0.011	0	0	0	0	P
P	PC-154571	PC-147943	C	1/0 URD PR	7.15Y	119.2	-0.00	6.77	-0.01	0	0	0	100	0.00	0.0	8.024	0.028	0	0	0	0	P
P	PC-165264	PC-154016	A	1/0 URD PR	7.17Y	119.6	0.00	6.44	-0.02	0	0	0	100	0.00	0.0	6.295	0.037	0	0	0	0	P
P	PC-105730	PC-155357	A	1/0 URD PR	7.17Y	119.4	0.00	6.58	-0.01	0	0	0	100	0.00	0.0	6.588	0.016	0	0	0	0	P
P	PC-159301	PC-151382	B	1/0 URD PR	7.10Y	118.4	-0.00	7.58	-0.02	0	0	0	100	0.00	0.0	7.116	0.039	0	0	0	0	P
P	PC-154018	PC-155373	B	1/0 URD PR	7.10Y	118.4	-0.00	7.59	-0.03	0	0	0	100	0.00	0.0	7.121	0.074	0	0	0	0	P
P	PC-166683	PC-154646	B	1/0 URD PR	7.11Y	118.5	-0.00	7.48	-0.01	0	0	0	100	0.00	0.0	7.103	0.025	0	0	0	0	P
P	PC-155586	PC-164956	C	1/0 URD PR	7.21Y	120.1	0.00	5.91	-0.01	0	0	0	100	0.00	0.0	5.642	0.015	0	0	0	0	P
P	PC-153097	PC-152678	C	1/0 URD PR	7.21Y	120.1	0.00	5.89	-0.00	0	0	0	100	0.00	0.0	5.591	0.011	0	0	0	0	P
P	PC-173837	PC-167527	A	1/0 URD PR	7.21Y	120.2	0.00	5.80	-0.01	0	0	0	100	0.00	0.0	5.546	0.011	0	0	0	0	P
	---------- Feeder No. 0 (15-134) Beginning with Device 15-134 ----------																					

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total	
KW	12431	94	0	0	0	0	448	0.00	12973	Lowest Voltage = 118.40 on Element PC-156036
KVAR	2089	19	-909	-81	0	0	760		1879	Max Accm VoltD = 7.60 on Element PC-156036
										Max Elem VoltD = 3.09 on Element PC-104994

Balanced Voltage Drop Report
Source: ALCAN 2

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\ASI ~ GG.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
ALCAN 2		ABC	ALCAN 2	7.56Y	126.0	0.00	0.00	824.06	0	16540	8703	88	0.00	0.0	0.000	0.000	0	0	0	3	
C PC-102258	ALCAN 2	ABC	336.4 ACSR	7.56Y	126.0	0.01	0.01	409.79	77	8193	4387	88	0.53	0.0	0.004	0.004	0	0	0	2	C
---------- Feeder No. 0 (16-154) Beginning with Device 16-154 ----------																					
C PC-93366	16-154	ABC	336.4 ACSR	7.56Y	126.0	0.02	0.04	409.79	77	8193	4386	88	0.81	0.0	0.010	0.006	0	0	0	2	C
C PC-89362	PC-93366	ABC	336.4 ACSR	7.55Y	125.9	0.09	0.13	409.79	77	8192	4384	88	3.47	0.0	0.034	0.025	0	0	0	2	C
C PC-92882	C11	ABC	336.4 ACSR	7.51Y	125.1	0.74	0.86	416.85	79	8188	4707	87	27.87	0.3	0.227	0.192	0	0	0	2	C
C PC-96322	ALCAN 2	ABC	336.4 ACSR	7.56Y	126.0	0.01	0.01	414.29	78	8346	4316	89	0.55	0.0	0.004	0.004	0	0	0	1	C
---------- Feeder No. 0 (16-144) Beginning with Device 16-144 ----------																					
C PC-92156	16-144	ABC	336.4 ACSR	7.56Y	126.0	0.02	0.04	414.29	78	8346	4314	89	0.82	0.0	0.010	0.006	0	0	0	1	C
C PC-161066	PC-92156	ABC	336.4 ACSR	7.48Y	124.6	1.32	1.36	414.29	78	8345	4313	89	51.38	0.6	0.369	0.359	0	0	0	1	C
C PC-169071	PC-161066	ABC	336.4 ACSR	7.47Y	124.5	0.10	1.46	414.29	78	8294	4197	89	4.08	0.0	0.397	0.028	0	0	0	1	C
C PC-162198	PC-169071	ABC	336.4 ACSR	7.45Y	124.2	0.38	1.84	414.29	78	8290	4188	89	15.00	0.2	0.502	0.105	0	0	0	1	C
C PC-169068	PC-162198	ABC	336.4 ACSR	7.44Y	124.0	0.12	1.97	414.29	78	8275	4154	89	4.86	0.1	0.536	0.034	0	0	0	1	C
C PC-169070	C14	ABC	336.4 ACSR	7.43Y	123.9	0.17	2.14	420.92	79	8270	4463	88	6.57	0.1	0.580	0.044	0	0	0	1	C
C PC-161669	PC-169070	ABC	336.4 ACSR	7.37Y	122.9	0.98	3.12	420.92	79	8263	4449	88	38.37	0.5	0.840	0.260	0	0	0	1	C
P PC-161070	PC-161071	ABC	4/0 URD PR	7.37Y	122.9	0.00	3.11	-0.00	0	0	0	100	0.00	0.0	1.336	0.006	0	0	0	0	P
P PC-163529	PC-93256	ABC	1/0 URD PR	7.37Y	122.9	0.00	3.11	-0.01	0	0	0	100	0.00	0.0	0.918	0.015	0	0	0	0	P
P PC-155158	PC-93256	ABC	1/0 URD PR	7.37Y	122.9	0.00	3.11	-0.01	0	0	0	100	0.00	0.0	0.918	0.015	0	0	0	0	P

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total
KW	16006	380	0	0	0	0	154	0.00	16540
KVAR	9108	216	-965	-4	0	0	348		8703

Lowest Voltage = 122.88 on Element PC-161669
Max Accm VoltD = 3.12 on Element PC-161669
Max Elem VoltD = 1.32 on Element PC-161066

Balanced Voltage Drop Report
Source: HICKORY PLAINS

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\ASI ~ GG.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
HICKORY PLAINS		ABC	HICKORY PL	7.56Y	126.0	0.00	0.00	1305.34	0	29299	4245	99	0.00	0.0	0.000	0.000	0	0	0	3160	
C PC-156700	HICKORY PLAINS	ABC	350 MCM UR	7.56Y	126.0	0.00	0.00	212.67	66	4775	681	99	0.07	0.0	0.002	0.002	0	0	0	368	C
C PC-154890	PC-156700	ABC	350 MCM UR	7.56Y	126.0	0.00	0.00	212.67	66	4775	681	99	0.04	0.0	0.002	0.001	0	0	0	368	C
---------- Feeder No. 0 (9-154) Beginning with Device 9-154 ----------																					
C PC-154529	9-154	ABC	350 MCM UR	7.56Y	126.0	0.02	0.03	212.67	66	4775	681	99	0.79	0.0	0.020	0.018	0	0	0	368	C
P PC-153053	PC-167673	A	1/0 URD PR	7.44Y	123.9	0.00	2.05	0.00	0	0	0	100	0.00	0.0	1.878	0.001	0	0	0	0	P
---------- Feeder No. 0 (9-164) Beginning with Device 9-164 ----------																					
---------- Feeder No. 0 (9-104) Beginning with Device 9-104 ----------																					
P PC-154679	PC-165033	B	1/0 URD PR	7.50Y	125.0	0.00	0.97	-0.00	0	0	0	100	0.00	0.0	1.294	0.006	0	0	0	0	P
---------- Feeder No. 0 (9-124) Beginning with Device 9-124 ----------																					
C PC-92424	PC-170950	ABC	4/0 ACSR	7.56Y	125.9	0.02	0.06	244.76	72	5435	1119	98	0.77	0.0	0.034	0.010	0	0	0	599	C
C PC-93150	PC-92424	ABC	4/0 ACSR	7.52Y	125.3	0.64	0.71	243.13	72	5399	1110	98	21.32	0.4	0.304	0.270	0	0	0	593	C
C PC-176598	PC-93150	ABC	4/0 ACSR	7.51Y	125.1	0.17	0.88	242.59	71	5365	1071	98	5.65	0.1	0.376	0.072	0	0	0	592	C
C PC-171108	PC-176598	ABC	4/0 ACSR	7.47Y	124.5	0.65	1.52	241.24	71	5330	1054	98	21.43	0.4	0.652	0.276	0	0	0	590	C
C PC-92916	PC-171108	ABC	4/0 ACSR	7.46Y	124.4	0.10	1.62	235.40	69	5181	989	98	3.14	0.1	0.694	0.042	0	0	0	579	C
C PC-171010	PC-92916	ABC	4/0 ACSR	7.45Y	124.2	0.16	1.78	233.31	69	5132	973	98	5.19	0.1	0.766	0.071	0	0	0	574	C
C PC-90538	PC-171010	ABC	4/0 ACSR	7.45Y	124.1	0.13	1.91	229.21	67	5037	944	98	4.30	0.1	0.827	0.061	0	0	0	567	C
C PC-90763	PC-90538	ABC	4/0 ACSR	7.44Y	124.0	0.13	2.04	226.61	67	4976	924	98	4.06	0.1	0.886	0.059	0	0	0	563	C
P PC-154913	PC-163688	B	1/0 URD PR	7.40Y	123.3	0.00	2.69	-0.01	0	0	0	100	0.00	0.0	1.803	0.017	0	0	0	0	P
C PC-89546	HICKORY PLAINS	ABC	336.4 ACSR	7.56Y	126.0	0.01	0.01	392.71	74	8853	978	99	0.41	0.0	0.003	0.003	0	0	0	1072	C
---------- Feeder No. 0 (9-134) Beginning with Device 9-134 ----------																					
C PC-89383	9-134	ABC	336.4 ACSR	7.56Y	126.0	0.03	0.03	392.71	74	8852	977	99	1.53	0.0	0.015	0.012	0	0	0	1072	C
C PC-101842	PC-89383	ABC	336.4 ACSR	7.55Y	125.8	0.15	0.19	392.71	74	8851	974	99	8.69	0.1	0.083	0.068	0	0	0	1072	C
C PC-99781	PC-101842	ABC	336.4 ACSR	7.54Y	125.7	0.07	0.26	377.66	71	8504	909	99	3.82	0.0	0.115	0.032	0	0	0	1040	C
C PC-93044	PC-99781	ABC	336.4 ACSR	7.54Y	125.6	0.14	0.40	376.95	71	8484	898	99	7.81	0.1	0.181	0.066	0	0	0	1036	C
C PC-175365	PC-93044	ABC	336.4 ACSR	7.53Y	125.5	0.13	0.53	376.44	71	8465	879	99	7.33	0.1	0.243	0.062	0	0	0	1035	C
C PC-165528	PC-175365	ABC	336.4 ACSR	7.52Y	125.4	0.11	0.64	375.99	71	8448	861	99	5.97	0.1	0.293	0.051	0	0	0	1033	C
C PC-169389	PC-165528	ABC	336.4 ACSR	7.52Y	125.3	0.10	0.74	374.81	71	8416	845	99	5.43	0.1	0.340	0.046	0	0	0	1029	C
C PC-93320	PC-169389	ABC	336.4 ACSR	7.51Y	125.2	0.05	0.79	373.74	71	8386	829	100	2.79	0.0	0.364	0.024	0	0	0	1027	C
C PC-89924	PC-93320	ABC	336.4 ACSR	7.51Y	125.2	0.06	0.84	373.51	70	8378	822	100	3.10	0.0	0.390	0.027	0	0	0	1024	C
C PC-92645	PC-89924	ABC	336.4 ACSR	7.50Y	125.0	0.20	1.04	372.56	70	8354	812	100	10.92	0.1	0.485	0.094	0	0	0	1023	C
C PC-92192	PC-92645	ABC	336.4 ACSR	7.49Y	124.9	0.09	1.13	365.74	69	8191	768	100	5.03	0.1	0.530	0.045	0	0	0	993	C
C PC-90725	PC-92192	ABC	336.4 ACSR	7.49Y	124.8	0.10	1.24	347.19	66	7772	701	100	5.45	0.1	0.584	0.054	0	0	0	936	C
C R2	PC-90664	ABC	219	7.56Y	126.0	-6.10	0.00	219.86	100	4744	98	100	percent Boost= 4.84 Tap= 7.7							605	C
P PC-168683	PC-168682	A	1/0 URD PR	7.53Y	125.5	0.00	0.50	-0.01	0	0	0	100	0.00	0.0	4.500	0.012	0	0	0	0	P
---------- Feeder No. 0 (9-144) Beginning with Device 9-144 ----------																					

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total
KW	27999	561	0	0	0	0	740	0.00	29299
KVAR	5030	100	-2208	-56	0	0	1379		4245

Lowest Voltage = 119.24 on Element PC-93518
Max Accm VoltD = 6.76 on Element PC-93518
Max Elem VoltD = 0.65 on Element PC-171108

Balanced Voltage Drop Report
Source: OXFORD

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\ASI ~ GG.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
OXFORD		ABC	OXFORD	7.56Y	126.0	0.00	0.00	422.17	0	9561	518	100	0.00	0.0	0.000	0.000	0	0	0	806	
---------- Feeder No. 0 (40-104) Beginning with Device 40-104 ----------																					
C PC-129074	PC-127499	ABC	1/0 ACSR	7.52Y	125.4	0.38	0.62	161.08	70	3593	-622	-99	13.39	0.4	0.713	0.194	0	0	0	265	C
C PC-128144	PC-129074	ABC	1/0 ACSR	7.44Y	124.1	1.33	1.95	161.08	70	3580	-634	-98	47.27	1.3	1.397	0.684	0	0	0	265	C
C PC-130011	PC-128144	ABC	1/0 ACSR	7.41Y	123.5	0.55	2.49	161.08	70	3532	-679	-98	19.77	0.6	1.683	0.286	0	0	0	264	C
C PC-128613	PC-130011	ABC	1/0 ACSR	7.41Y	123.5	0.01	2.50	161.08	70	3513	-697	-98	0.40	0.0	1.689	0.006	0	0	0	264	C
C PC-134075	D3642	ABC	1/0 ACSR	7.40Y	123.3	0.17	2.68	161.08	70	3512	-698	-98	6.23	0.2	1.779	0.090	0	0	0	264	C
C PC-128156	PC-134075	ABC	1/0 ACSR	7.40Y	123.3	0.01	2.69	161.08	70	3506	-703	-98	0.40	0.0	1.785	0.006	0	0	0	264	C
C PC-128080	PC-128156	ABC	1/0 ACSR	7.39Y	123.2	0.13	2.82	161.08	70	3506	-704	-98	4.79	0.1	1.854	0.069	0	0	0	264	C
C PC-133970	PC-128080	ABC	1/0 ACSR	7.39Y	123.2	0.01	2.83	161.08	70	3501	-708	-98	0.32	0.0	1.859	0.005	0	0	0	264	C
C PC-169220	PC-133970	ABC	1/0 ACSR	7.38Y	123.1	0.10	2.92	161.08	70	3500	-709	-98	3.55	0.1	1.910	0.051	0	0	0	264	C
C PC-169194	PC-169220	ABC	1/0 ACSR	7.38Y	123.0	0.12	3.05	159.90	70	3469	-715	-98	4.51	0.1	1.976	0.066	0	0	0	259	C
C PC-126163	PC-169194	ABC	1/0 ACSR	7.35Y	122.5	0.44	3.48	159.82	69	3463	-719	-98	15.95	0.5	2.211	0.234	0	0	0	258	C
C PC-129119	PC-126163	ABC	1/0 ACSR	7.34Y	122.4	0.16	3.64	159.51	69	3440	-735	-98	5.82	0.2	2.296	0.086	0	0	0	257	C
---------- Feeder No. 0 (40-114) Beginning with Device 40-114 ----------																					
---------- Feeder No. 0 (40-124) Beginning with Device 40-124 ----------																					
C PC-153621	PC-133772	B	1/0 URD PR	7.32Y	122.1	0.58	3.92	104.61	62	763	99	99	3.44	0.5	5.301	0.180	0	0	0	53	C
C PC-166741	PC-153621	B	1/0 URD PR	7.32Y	122.0	0.09	4.01	103.43	61	751	97	99	0.51	0.1	5.329	0.027	0	0	0	52	C
C PC-166743	PC-166741	B	1/0 URD PR	7.31Y	121.8	0.18	4.18	100.78	59	732	95	99	1.01	0.1	5.386	0.057	0	0	0	50	C
C PC-159005	PC-166743	B	1/0 URD PR	7.30Y	121.6	0.18	4.36	98.85	58	717	93	99	1.00	0.1	5.444	0.058	0	0	0	45	C
C PC-156208	PC-159005	B	1/0 URD PR	7.29Y	121.5	0.13	4.49	96.66	57	700	90	99	0.70	0.1	5.487	0.043	0	0	0	44	C
C PC-158989	PC-156208	B	1/0 URD PR	7.28Y	121.3	0.19	4.68	92.27	54	667	86	99	1.00	0.1	5.554	0.067	0	0	0	42	C
P PC-158790	PC-158988	A	1/0 URD PR	7.33Y	122.2	0.00	3.80	-0.00	0	0	0	100	0.00	0.0	5.590	0.006	0	0	0	0	P
P PC-166336	PC-155347	A	1/0 URD PR	7.40Y	123.3	0.00	2.74	-0.00	0	0	0	100	0.00	0.0	4.399	0.003	0	0	0	1	P

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total
KW	9099	92	0	0	0	0	369	0.00	9561
KVAR	1635	25	-1521	-67	0	0	445		518

Lowest Voltage = 118.49 on Element PC-133071
Max Accm VoltD = 7.51 on Element PC-133071
Max Elem VoltD = 1.33 on Element PC-128144

Balanced Voltage Drop Report
Source: WEST BEREA

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\ASI ~ GG.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
WEST BEREA		ABC	WEST BEREA	7.56Y	126.0	0.00	0.00	1002.75	0	22524	3141	99	0.00	0.0	0.000	0.000	0	0	0	2500	
C PC-159465	WEST BEREA	ABC	500MCM	7.56Y	126.0	0.01	0.01	291.10	56	6567	680	99	0.30	0.0	0.006	0.006	0	0	0	734	C
---------- Feeder No. 0 (8-104) Beginning with Device 8-104 ----------																					
C PC-159677	8-104	ABC	500MCM	7.56Y	126.0	0.03	0.04	291.10	56	6567	681	99	1.88	0.0	0.043	0.037	0	0	0	734	C
C PC-91678	PC-91133	ABC	4/0 ACSR	7.49Y	124.8	0.24	1.20	262.89	77	5893	531	100	10.05	0.2	0.754	0.109	0	0	0	704	C
C PC-174905	PC-91678	ABC	4/0 ACSR	7.48Y	124.7	0.05	1.25	229.10	67	5128	429	100	1.94	0.0	0.782	0.028	0	0	0	500	C
C PC-91961	PC-174905	ABC	4/0 ACSR	7.48Y	124.7	0.07	1.32	228.60	67	5115	425	100	2.41	0.0	0.816	0.035	0	0	0	499	C
C PC-102332	PC-91961	ABC	4/0 ACSR	7.46Y	124.4	0.27	1.59	228.42	67	5109	420	100	9.63	0.2	0.954	0.138	0	0	0	498	C
C PC-102261	PC-102332	ABC	4/0 ACSR	7.46Y	124.3	0.15	1.74	226.83	67	5064	400	100	5.55	0.1	1.035	0.081	0	0	0	494	C
C PC-92476	PC-102261	ABC	4/0 ACSR	7.45Y	124.2	0.06	1.80	224.87	66	5015	385	100	2.17	0.0	1.067	0.032	0	0	0	491	C
P PC-153987	PC-91549	C	1/0 URD PR	7.38Y	123.0	0.00	2.98	-0.01	0	0	0	100	0.00	0.0	3.055	0.012	0	0	0	0	P
P PC-156077	PC-162112	C	1/0 URD PR	7.48Y	124.7	0.00	1.26	-0.01	0	0	0	100	0.00	0.0	1.016	0.018	0	0	0	0	P
P PC-153951	PC-161538	C	1/0 URD PR	7.49Y	124.8	0.00	1.25	-0.00	0	0	0	100	0.00	0.0	0.981	0.006	0	0	0	0	P
---------- Feeder No. 0 (8-154) Beginning with Device 8-154 ----------																					
---------- Feeder No. 0 (8-114) Beginning with Device 8-114 ----------																					
P PC-159895	PC-169065	A	1/0 URD PR	7.53Y	125.5	0.00	0.52	0.00	0	0	0	100	0.00	0.0	0.728	0.002	0	0	0	0	P
P PC-168603	PC-160380	C	1/0 URD PR	7.54Y	125.7	0.00	0.27	-0.01	0	0	0	100	0.00	0.0	0.585	0.016	0	0	0	0	P
C PC-93635	WEST BEREA	ABC	336.4 ACSR	7.56Y	126.0	0.01	0.01	358.63	68	8101	723	100	0.61	0.0	0.006	0.006	0	0	0	995	C
---------- Feeder No. 0 (8-124) Beginning with Device 8-124 ----------																					
C PC-90762	8-124	ABC	336.4 ACSR	7.55Y	125.9	0.13	0.14	358.63	68	8101	722	100	6.89	0.1	0.070	0.064	0	0	0	995	C
C PC-89899	PC-90762	ABC	336.4 ACSR	7.53Y	125.6	0.30	0.44	358.63	68	8094	706	100	16.53	0.2	0.224	0.154	0	0	0	995	C
C PC-93079	PC-89899	ABC	336.4 ACSR	7.53Y	125.4	0.11	0.55	357.66	67	8056	666	100	5.98	0.1	0.280	0.056	0	0	0	992	C
C PC-91189	PC-93079	ABC	336.4 ACSR	7.52Y	125.3	0.10	0.65	357.23	67	8040	651	100	5.45	0.1	0.331	0.051	0	0	0	990	C
C PC-89966	PC-91189	ABC	336.4 ACSR	7.50Y	125.1	0.27	0.92	356.81	67	8025	637	100	14.72	0.2	0.470	0.139	0	0	0	988	C
C PC-92667	PC-89966	ABC	336.4 ACSR	7.50Y	125.0	0.12	1.04	352.13	66	7906	587	100	6.30	0.1	0.531	0.061	0	0	0	974	C
P PC-147564	PC-149247	A	1/0 URD PR	7.22Y	120.3	-0.00	5.74	-0.02	0	0	0	100	0.00	0.0	5.211	0.038	0	0	0	0	P
P PC-149245	PC-158105	C	1/0 URD PR	7.21Y	120.2	0.00	5.76	-0.00	0	0	0	100	0.00	0.0	5.438	0.006	0	0	0	0	P
P PC-162292	PC-162291	B	1/0 URD PR	7.20Y	120.1	0.00	5.94	-0.00	0	0	0	100	0.00	0.0	5.268	0.006	0	0	0	0	P
P PC-162293	PC-153167	B	1/0 URD PR	7.20Y	120.1	0.00	5.95	-0.01	0	0	0	100	0.00	0.0	5.306	0.019	0	0	0	0	P
P PC-175583	PC-175582	C	1/0 URD PR	7.40Y	123.3	0.00	2.70	-0.01	0	0	0	100	0.00	0.0	1.864	0.027	0	0	0	0	P
P PC-164926	PC-119534	A	1/0 URD PR	7.47Y	124.5	0.00	1.54	-0.00	0	0	0	100	0.00	0.0	1.311	0.006	0	0	0	0	P
P PC-176093	PC-169265	ABC	336.4 ACSR	7.47Y	124.5	-0.00	1.55	-0.02	0	0	0	100	0.00	0.0	1.462	0.027	0	0	0	0	P
P PC-167692	PC-175218	C	1/0 URD PR	7.49Y	124.9	0.00	1.09	-0.00	0	0	0	100	0.00	0.0	0.887	0.004	0	0	0	0	P
---------- Feeder No. 0 (8-134) Beginning with Device 8-134 ----------																					

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total
KW	21657	337	0	0	0	0	531	0.00	22524
KVAR	3732	63	-1547	-56	0	0	950		3141

Lowest Voltage = 118.20 on Element PC-90845
Max Accm VoltD = 7.80 on Element PC-90845
Max Elem VoltD = 1.06 on Element PC-102245

Balanced Voltage Drop Report
Source: FAYETTE1

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\ASI ~ GG.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
FAYETTE1		ABC	FAYETTE1	7.56Y	126.0	0.00	0.00	681.12	0	15298	2144	99	0.00	0.0	0.000	0.000	0	0	0	2056	
---------- Feeder No. 0 (5-164) Beginning with Device 5-164 ----------																					
C PC-120671	PC-116299	ABC	4/0 ACSR	7.53Y	125.5	0.08	0.45	256.38	75	5740	812	99	2.94	0.1	0.326	0.033	0	0	0	860	C
C PC-116723	PC-120671	ABC	4/0 ACSR	7.52Y	125.4	0.15	0.60	256.32	75	5736	806	99	5.46	0.1	0.388	0.062	0	0	0	859	C
C PC-111386	PC-116723	ABC	4/0 ACSR	7.52Y	125.3	0.10	0.69	256.23	75	5729	797	99	3.62	0.1	0.429	0.041	0	0	0	858	C
C PC-123495	PC-111386	ABC	4/0 ACSR	7.49Y	124.8	0.49	1.19	254.92	75	5696	788	99	18.61	0.3	0.644	0.214	0	0	0	857	C
C PC-116228	PC-123495	ABC	4/0 ACSR	7.47Y	124.5	0.30	1.49	254.18	75	5660	756	99	11.47	0.2	0.777	0.133	0	0	0	855	C
C PC-123994	PC-116228	ABC	4/0 ACSR	7.44Y	124.1	0.44	1.94	254.07	75	5646	736	99	16.72	0.3	0.971	0.194	0	0	0	853	C
C PC-125418	PC-123994	ABC	4/0 ACSR	7.44Y	124.1	0.01	1.95	254.03	75	5629	707	99	0.48	0.0	0.976	0.006	0	0	0	852	C
C PC-114615	S644-A	ABC	4/0 ACSR	7.44Y	124.0	0.02	1.96	254.03	75	5628	706	99	0.59	0.0	0.983	0.007	0	0	0	852	C
P PC-158610	PC-158611	C	1/0 URD PR	7.40Y	123.4	0.00	2.60	-0.00	0	0	0	100	0.00	0.0	1.657	0.006	0	0	0	0	P
---------- Feeder No. 0 (5-174) Beginning with Device 5-174 ----------																					
P PC-142631	PC-156707	A	1/0 URD PR	7.51Y	125.1	0.00	0.90	0.00	0	0	0	100	0.00	0.0	0.964	0.002	0	0	0	0	P
P PC-151746	PC-151863	B	1/0 URD PR	7.52Y	125.3	0.00	0.69	-0.00	0	0	0	100	0.00	0.0	0.874	0.007	0	0	0	0	P
P PC-157595	PC-159493	B	1/0 URD PR	7.51Y	125.2	0.00	0.82	-0.01	0	0	0	100	0.00	0.0	0.880	0.020	0	0	0	0	P
C PC-155171	FAYETTE1	ABC	350 MCM UR	7.56Y	126.0	0.01	0.01	251.29	79	5654	713	99	0.27	0.0	0.004	0.004	0	0	0	676	C
C PC-159149	PC-155171	ABC	350 MCM UR	7.56Y	126.0	0.01	0.01	251.29	79	5654	713	99	0.23	0.0	0.008	0.004	0	0	0	676	C
---------- Feeder No. 0 (5-144) Beginning with Device 5-144 ----------																					
C PC-154216	5-144	ABC	350 MCM UR	7.55Y	125.8	0.22	0.24	251.29	79	5654	713	99	9.30	0.2	0.158	0.150	0	0	0	676	C
P PC-157988	PC-164958	B	1/0 URD PR	7.51Y	125.2	0.00	0.84	-0.00	0	0	0	100	0.00	0.0	1.028	0.006	0	0	0	0	P
P PC-155334	PC-157924	C	1/0 URD PR	7.51Y	125.2	0.00	0.80	-0.00	0	0	0	100	0.00	0.0	0.777	0.006	0	0	0	0	P
P PC-164892	PC-164889	A	1/0 URD PR	7.47Y	124.5	0.00	1.48	-0.00	0	0	0	100	0.00	0.0	1.337	0.006	0	0	0	0	P
P PC-114775	PC-155919	A	1/0 URD PR	7.44Y	124.0	0.00	2.04	-0.00	0	0	0	100	0.00	0.0	2.552	0.006	0	0	0	0	P

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total
KW	14751	377	0	0	0	0	170	0.00	15298
KVAR	2168	57	-325	-57	0	0	301		2144

Lowest Voltage = 123.15 on Element PC-119990
Max Accm VoltD = 2.85 on Element PC-119990
Max Elem VoltD = 0.60 on Element PC-111784

Balanced Voltage Drop Report
Source: WEST NICHOLA...

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\ASI ~ GG.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Cons On	Cons Thru	
WEST NICHOLA...		ABC	WEST NICHO	7.56Y	126.0	0.00	0.00	533.36	0	11480	3814	95	0.00	0.0	0.000	0.000	0	0	0	700	
---------- Feeder No. 0 (D100515) Beginning with Device D100515 ----------																					
C PC-165405	PC-107575	ABC	1/0 URD PR	7.43Y	123.9	0.19	2.14	207.68	122	4422	1398	95	6.60	0.1	1.110	0.045	0	0	0	1	C
---------- Feeder No. 0 (18-114) Beginning with Device 18-114 ----------																					
P PC-174616	PC-115941	C	1/0 URD PR	7.52Y	125.3	0.00	0.69	0.00	0	0	0	100	0.00	0.0	0.681	0.002	0	0	0	0	P
P PC-163543	PC-109351	C	1/0 URD PR	7.52Y	125.3	0.00	0.72	0.00	0	0	0	100	0.00	0.0	0.818	0.001	0	0	0	0	P
P PC-146952	PC-175006	B	1/0 URD PR	7.51Y	125.2	0.00	0.81	-0.00	0	0	0	100	0.00	0.0	0.649	0.004	0	0	0	0	P
P PC-152690	PC-158980	B	1/0 URD PR	7.46Y	124.4	0.00	1.62	-0.00	0	0	0	100	0.00	0.0	1.117	0.003	0	0	0	0	P
P PC-158466	PC-158762	B	1/0 URD PR	7.47Y	124.5	0.00	1.47	-0.00	0	0	0	100	0.00	0.0	1.197	0.006	0	0	0	0	P

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total
KW	11091	293	0	0	0	0	96	0.00	11480
KVAR	3548	94	0	-18	0	0	190		3814

Lowest Voltage = 123.86 on Element PC-165405
Max Accm VoltD = 2.14 on Element PC-165405
Max Elem VoltD = 0.45 on Element PC-157450

Balanced Voltage Drop Report
Source: FOUR_OAKS

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\ASI ~ GG.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
FOUR_OAKS		ABC	FOUR_OAKS	7.56Y	126.0	0.00	0.00	435.88	0	9877	417	100	0.00	0.0	0.000	0.000	0	0	0	1770	
---------- Feeder No. 0 (33-114) Beginning with Device 33-114 ----------																					
---------- Feeder No. 0 (33-124) Beginning with Device 33-124 ----------																					
P PC-164273	PC-155215	C	1/0 URD PR	7.32Y	122.0	0.00	4.00	-0.00	0	0	0	100	0.00	0.0	3.924	0.009	0	0	0	0	P
P PC-158340	PC-157818	B	1/0 URD PR	7.32Y	122.0	0.00	4.02	-0.00	0	0	0	100	0.00	0.0	3.789	0.006	0	0	0	0	P
P PC-164271	PC-155762	B	1/0 URD PR	7.32Y	121.9	0.00	4.06	-0.00	0	0	0	100	0.00	0.0	3.912	0.006	0	0	0	0	P
---------- Feeder No. 0 (33-134) Beginning with Device 33-134 ----------																					
---------- Feeder No. 0 (33-144) Beginning with Device 33-144 ----------																					
P PC-146390	33-144	ABC	4 ACSR	7.56Y	126.0	0.01	0.01	3.74	3	53	66	63	0.01	0.0	0.071	0.060	0	0	0	8	P
P PC-143752	PC-146390	ABC	4 ACSR	7.56Y	126.0	0.01	0.02	2.68	2	38	48	62	0.01	0.0	0.201	0.130	0	0	0	6	P
P PC-144967	PC-143752	ABC	4 ACSR	7.56Y	126.0	0.00	0.02	1.06	1	15	19	62	0.00	0.0	0.219	0.018	0	0	0	1	P
P PC-144534	PC-143752	B	4 ACSR	7.56Y	126.0	0.02	0.04	4.86	3	23	29	62	0.00	0.0	0.271	0.070	0	0	0	5	P
P PC-152355	PC-144534	B	4 ACSR	7.56Y	125.9	0.02	0.05	4.40	3	21	26	63	0.00	0.0	0.352	0.082	0	0	0	4	P
P PC-146299	PC-152355	B	4 ACSR	7.56Y	125.9	0.01	0.06	4.38	3	21	26	63	0.00	0.0	0.395	0.043	0	0	0	3	P
P PC-146606	PC-146299	B	4 ACSR	7.56Y	125.9	0.02	0.08	4.10	3	19	24	62	0.00	0.0	0.510	0.114	0	0	0	2	P
P PC-144029	PC-146606	B	4 ACSR	7.55Y	125.9	0.01	0.09	2.09	1	10	12	64	0.00	0.0	0.573	0.063	0	0	0	1	P
P PC-145350	33-144	A	2 ACSR	7.56Y	126.0	0.00	0.01	2.25	1	11	13	65	0.00	0.0	0.049	0.038	0	0	0	1	P
P PC-147446	PC-157084	ABC	2 ACSR	7.53Y	125.4	0.00	0.58	3.33	2	47	59	62	0.00	0.0	2.958	0.025	0	0	0	4	P
P PC-148050	PC-147446	ABC	2 ACSR	7.53Y	125.4	0.00	0.58	3.12	2	44	55	62	0.00	0.0	3.017	0.059	0	0	0	2	P
P PC-146574	PC-157084	A	1/0 ACSR	7.53Y	125.4	0.00	0.58	0.03	0	0	0	100	0.00	0.0	2.972	0.040	0	0	0	1	P

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total
KW	9426	92	0	0	0	0	359	0.00	9877
KVAR	2305	32	-2504	-12	0	0	595		417

Lowest Voltage = 117.62 on Element PC-143399
Max Accm VoltD = 8.38 on Element PC-143399
Max Elem VoltD = 0.67 on Element PC-146934

Balanced Voltage Drop Report
Source: SOUTH JESSAMINE

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\ASI ~ GG.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Cons On	Cons Thru	
SOUTH JESSAMINE		ABC	SOUTH JESS	7.56Y	126.0	0.00	0.00	1164.68	0	25842	5472	98	0.00	0.0	0.000	0.000	0	0	0	2027	
---------- Feeder No. 0 (14-124) Beginning with Device 14-124 ----------																					
---------- Feeder No. 0 (14-114) Beginning with Device 14-114 ----------																					
C PC-98643	PC-105118	ABC	336ALSC	7.50Y	124.9	1.00	1.06	329.07	75	7187	1998	96	37.67	0.5	0.442	0.417	0	0	0	713	C
C PC-103130	PC-98643	ABC	336ALSC	7.48Y	124.7	0.25	1.32	328.79	75	7144	1909	97	9.65	0.1	0.549	0.107	0	0	0	711	C
C PC-103902	PC-103130	ABC	336ALSC	7.47Y	124.4	0.25	1.57	323.33	74	7016	1855	97	9.42	0.1	0.657	0.108	0	0	0	692	C
C PC-100603	PC-103902	ABC	336ALSC	7.45Y	124.2	0.24	1.80	313.60	72	6796	1775	97	8.60	0.1	0.762	0.105	0	0	0	668	C
C PC-100730	PC-100603	ABC	336ALSC	7.44Y	124.1	0.13	1.94	310.00	71	6710	1734	97	4.78	0.1	0.822	0.060	0	0	0	659	C
C PC-104015	PC-100730	ABC	336ALSC	7.44Y	123.9	0.15	2.08	309.71	71	6699	1722	97	5.30	0.1	0.888	0.066	0	0	0	657	C
C PC-100731	PC-104015	ABC	336ALSC	7.42Y	123.7	0.19	2.27	304.87	70	6589	1681	97	6.68	0.1	0.974	0.086	0	0	0	644	C
C PC-157779	PC-100731	ABC	336ALSC	7.36Y	122.6	1.11	3.38	303.97	70	6563	1660	97	39.74	0.6	1.490	0.516	0	0	0	643	C
P PC-167695	PC-175239	C	1/0 URD PR	7.22Y	120.4	0.00	5.64	-0.01	0	0	0	100	0.00	0.0	3.318	0.021	0	0	0	0	P
P PC-159019	PC-159129	C	1/0 URD PR	7.21Y	120.2	0.00	5.82	-0.00	0	0	0	100	0.00	0.0	3.262	0.006	0	0	0	0	P
P PC-155460	PC-155458	A	1/0 URD PR	7.21Y	120.2	0.00	5.81	-0.00	0	0	0	100	0.00	0.0	3.233	0.006	0	0	0	0	P
C PC-159113	SOUTH JESSAMINE	ABC	500MCM	7.56Y	126.0	0.01	0.01	286.28	55	6260	1722	96	0.38	0.0	0.008	0.008	0	0	0	26	C
---------- Feeder No. 0 (14-104) Beginning with Device 14-104 ----------																					
C PC-159022	14-104	ABC	500MCM	7.56Y	126.0	0.01	0.01	286.28	55	6260	1722	96	0.33	0.0	0.014	0.007	0	0	0	26	C
C PC-158469	S742-A	ABC	500MCM	7.56Y	126.0	0.00	0.01	286.28	55	6260	1722	96	0.09	0.0	0.016	0.002	0	0	0	26	C
C PC-151293	PC-158469	ABC	336ALSC	7.50Y	125.1	0.91	0.92	286.28	66	6260	1722	96	29.83	0.5	0.453	0.437	0	0	0	26	C
P PC-101313	PC-110531	ABC	1/0 ACSR	7.22Y	120.4	0.00	5.61	-0.02	0	0	0	100	0.00	0.0	3.132	0.006	0	0	0	0	P
P PC-153229	PC-101313	ABC	350 MCM UR	7.22Y	120.4	0.00	5.61	-0.02	0	0	0	100	0.00	0.0	3.138	0.006	0	0	0	0	P
P S388-B	PC-153229	ABC	Closed	7.22Y	120.4	0.00	5.61	-0.01	0	0	0	100	0.00	0.0	3.138	0.006	0	0	0	0	P
P S388-A	S388-B	ABC	Closed	7.22Y	120.4	0.00	5.61	-0.01	0	0	0	100	0.00	0.0	3.138	0.006	0	0	0	0	P
P PC-152896	S388-A	ABC	350 MCM UR	7.22Y	120.4	0.00	5.61	-0.01	0	0	0	100	0.00	0.0	3.157	0.019	0	0	0	0	P
---------- Feeder No. 0 (14-134) Beginning with Device 14-134 ----------																					
---------- Feeder No. 0 (14-144) Beginning with Device 14-144 ----------																					

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total
KW	24760	273	0	0	0	0	809	0.00	25842
KVAR	7127	87	-3279	-21	0	0	1558		5472

Lowest Voltage = 118.16 on Element PC-110348
Max Accm VoltD = 7.84 on Element PC-110348
Max Elem VoltD = 1.42 on Element PC-147479

Balanced Voltage Drop Report
Source: SINAI

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\ASI ~ GG.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
SINAI		ABC	SINAI	7.56Y	126.0	0.00	0.00	578.76	0	13038	1522	99	0.00	0.0	0.000	0.000	0	0	0	2037	
---------- Feeder No. 0 (23-134) Beginning with Device 23-134 ----------																					
H REG309	OH308	ABC	219	7.56Y	126.0	-6.20	-0.00	109.49	50	2350	230	100	percent Boost= 4.92 Tap= 7.9							359	H
P PC-119452	PC-119064	C	2 ACSR	7.13Y	118.8	-0.00	7.21	-0.01	0	0	0	100	0.00	0.0	15.945	0.037	0	0	0	0	P
P PC-156207	PC-119452	C	1/0 URD PR	7.13Y	118.8	0.00	7.21	-0.01	0	0	0	100	0.00	0.0	15.968	0.023	0	0	0	0	P
---------- Feeder No. 0 (23-124) Beginning with Device 23-124 ----------																					
---------- Feeder No. 0 (23-114) Beginning with Device 23-114 ----------																					
C PC-111443	PC-112388	ABC	1/0 ACSR	7.43Y	123.9	0.55	2.14	155.93	68	3488	-175	-100	16.37	0.5	1.893	0.253	0	0	0	530	C
C PC-112447	PC-111443	ABC	1/0 ACSR	7.42Y	123.7	0.17	2.31	155.92	68	3471	-190	-100	5.02	0.1	1.970	0.077	0	0	0	529	C
C PC-109661	PC-112447	ABC	1/0 ACSR	7.42Y	123.7	0.01	2.32	155.92	68	3466	-195	-100	0.36	0.0	1.976	0.006	0	0	0	529	C
C PC-109660	PC-109661	ABC	1/0 ACSR	7.41Y	123.5	0.14	2.46	155.92	68	3466	-195	-100	4.03	0.1	2.038	0.062	0	0	0	529	C
H REG299	PC-108391	ABC	219	7.56Y	126.0	-5.63	-0.00	103.70	47	2240	-179	-100	percent Boost= 4.47 Tap= 7.1							345	H
---------- Feeder No. 0 (23-104) Beginning with Device 23-104 ----------																					
---------- Feeder No. 0 (23-144) Beginning with Device 23-144 ----------																					

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total
KW	12326	189	0	0	0	0	523	0.00	13038
KVAR	2026	30	-1269	-9	0	0	744		1522

Lowest Voltage = 118.66 on Element PC-113365
Max Accm VoltD = 7.34 on Element PC-113365
Max Elem VoltD = 1.10 on Element PC-116781

Balanced Voltage Drop Report
Source: JACKSONVILLE

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\ASI ~ GG.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
JACKSONVILLE		ABC	JACKSONVIL	7.56Y	126.0	0.00	0.00	310.63	0	7012	682	100	0.00	0.0	0.000	0.000	0	0	0	939	
---------- Feeder No. 0 (39-104) Beginning with Device 39-104 ----------																					
---------- Feeder No. 0 (39-124) Beginning with Device 39-124 ----------																					
---------- Feeder No. 0 (39-114) Beginning with Device 39-114 ----------																					
C PC-127419	PC-130019	ABC	3/0 ACSR	7.48Y	124.7	0.17	1.32	204.28	68	4570	438	100	5.41	0.1	1.065	0.077	0	0	0	576	C
C PC-127733	PC-127419	ABC	3/0 ACSR	7.48Y	124.6	0.08	1.40	198.95	66	4447	402	100	2.43	0.1	1.101	0.036	0	0	0	553	C
C PC-128136	S208-A	ABC	3/0 ACSR	7.47Y	124.5	0.11	1.51	198.95	66	4444	399	100	3.56	0.1	1.155	0.054	0	0	0	553	C
C PC-127417	PC-128136	ABC	3/0 ACSR	7.46Y	124.4	0.11	1.62	198.67	66	4434	392	100	3.59	0.1	1.209	0.054	0	0	0	551	C
C PC-129423	PC-127417	ABC	3/0 ACSR	7.46Y	124.3	0.12	1.75	198.67	66	4431	387	100	3.98	0.1	1.269	0.060	0	0	0	551	C
C PC-127238	PC-129423	ABC	3/0 ACSR	7.43Y	123.9	0.37	2.12	196.44	65	4378	370	100	11.90	0.3	1.453	0.184	0	0	0	545	C
C REG210	PC-163728	ABC	219	7.56Y	126.0	-6.74	0.00	168.44	77	3616	3	100	percent Boost= 5.35 Tap= 8.6							457	C

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total
KW	6545	103	0	0	0	0	364	0.00	7012
KVAR	1455	22	-1265	-30	0	0	501		682

Lowest Voltage = 118.66 on Element PC-158807
Max Accm VoltD = 7.34 on Element PC-158807
Max Elem VoltD = 1.42 on Element PC-151103

Balanced Voltage Drop Report
Source: NINEVAH

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\ASI ~ GG.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

	Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
	NINEVAH		ABC	NINEVAH	7.56Y	126.0	0.00	0.00	668.41	0	14733	3569	97	0.00	0.0	0.000	0.000	0	0	0	1396	
C	PC-177692	NINEVAH	ABC	336.4 ACSR	7.56Y	126.0	0.02	0.02	414.00	78	9083	2381	97	1.12	0.0	0.008	0.008	0	0	0	918	C
	---------- Feeder No. 0 (22-134) Beginning with Device 22-134 ----------																					
L	PC-172890	A0	A	4 ACSR	6.73Y	112.2	0.31	13.78	92.09	66	610	120	98	1.58	0.3	4.110	0.075	0	0	0	62	L
L	PC-172888	PC-172890	A	4 ACSR	6.73Y	112.2	0.00	13.78	0.00	0	0	0	100	0.00	0.0	4.185	0.075	0	0	0	0	L
L	PC-124235	PC-172890	A	4 ACSR	6.62Y	110.3	1.93	15.71	86.82	62	574	113	98	9.21	1.6	4.602	0.493	0	0	0	57	L
L	PC-132764	PC-124235	A	4 ACSR	6.60Y	110.1	0.21	15.92	85.89	61	558	106	98	0.99	0.2	4.656	0.054	0	0	0	56	L
L	D3218	PC-132764	A	REC_50_E	6.60Y	110.1	0.00	15.92	85.89	0	557	106	98	0.00	0.0	4.656	0.054	0	0	0	56	L
L	PC-122477	D3218	A	4 ACSR	6.59Y	109.9	0.17	16.09	85.89	61	557	106	98	0.81	0.1	4.701	0.044	0	0	0	56	L
L	PC-132765	PC-122477	A	4 ACSR	6.59Y	109.8	0.14	16.24	80.30	57	520	99	98	0.63	0.1	4.740	0.039	0	0	0	49	L
L	PC-132768	PC-132765	A	4 ACSR	6.58Y	109.7	0.10	16.34	69.17	49	448	85	98	0.38	0.1	4.772	0.032	0	0	0	41	L
L	PC-132825	PC-132768	A	4 ACSR	6.57Y	109.5	0.18	16.52	69.17	49	447	85	98	0.68	0.2	4.830	0.057	0	0	0	41	L
L	PC-132827	PC-132825	A	4 ACSR	6.57Y	109.5	0.00	16.52	2.17	2	14	3	98	0.00	0.0	4.870	0.040	0	0	0	3	L
L	PC-121511	PC-132827	A	4 ACSR	6.57Y	109.5	0.00	16.52	0.01	0	0	0	100	0.00	0.0	4.940	0.070	0	0	0	1	L
L	PC-132826	PC-132825	A	4 ACSR	6.57Y	109.5	0.00	16.52	2.65	2	17	3	98	0.00	0.0	4.851	0.022	0	0	0	1	L
L	PC-127533	PC-132825	A	4 ACSR	6.55Y	109.2	0.24	16.75	64.35	46	415	78	98	0.83	0.2	4.911	0.081	0	0	0	37	L
L	PC-127535	PC-127533	A	4 ACSR	6.55Y	109.2	0.09	16.84	59.04	42	380	72	98	0.30	0.1	4.945	0.034	0	0	0	35	L
L	PC-177013	PC-127535	A	4 ACSR	6.55Y	109.2	0.01	16.85	4.98	4	32	6	98	0.00	0.0	4.968	0.023	0	0	0	7	L
L	PC-124374	PC-177013	A	4 ACSR	6.55Y	109.1	0.01	16.85	2.39	2	15	3	98	0.00	0.0	5.018	0.050	0	0	0	2	L
L	PC-172916	PC-124374	A	4 ACSR	6.55Y	109.1	0.00	16.86	1.36	1	9	2	98	0.00	0.0	5.044	0.025	0	0	0	1	L
L	PC-124243	PC-177013	A	2 ACSR	6.55Y	109.1	0.02	16.86	2.59	1	17	3	98	0.00	0.0	5.160	0.191	0	0	0	5	L
L	PC-122936	PC-127535	A	4 ACSR	6.54Y	109.0	0.16	17.00	54.07	39	348	66	98	0.47	0.1	5.011	0.065	0	0	0	28	L
L	PC-120967	PC-122936	A	4 ACSR	6.53Y	108.9	0.14	17.14	53.10	38	341	64	98	0.40	0.1	5.067	0.057	0	0	0	26	L
L	PC-124906	PC-120967	A	4 ACSR	6.52Y	108.7	0.19	17.33	50.09	36	322	60	98	0.54	0.2	5.153	0.086	0	0	0	24	L
L	PC-121509	PC-124906	A	4 ACSR	6.51Y	108.5	0.13	17.46	49.14	35	315	59	98	0.35	0.1	5.212	0.059	0	0	0	23	L
L	PC-121506	PC-121509	A	4 ACSR	6.50Y	108.3	0.19	17.65	41.92	30	268	50	98	0.44	0.2	5.313	0.101	0	0	0	19	L
L	PC-169571	PC-121506	A	4 ACSR	6.50Y	108.3	0.02	17.67	5.07	4	32	6	98	0.01	0.0	5.405	0.092	0	0	0	3	L
L	PC-169572	PC-169571	A	4 ACSR	6.50Y	108.3	0.02	17.69	2.97	2	19	4	98	0.00	0.0	5.518	0.113	0	0	0	1	L
L	PC-132384	PC-169572	A	4 ACSR	6.50Y	108.3	0.02	17.71	2.97	2	19	4	98	0.00	0.0	5.657	0.139	0	0	0	1	L
L	PC-125012	PC-169572	A	4 ACSR	6.50Y	108.3	0.00	17.69	0.00	0	0	0	100	0.00	0.0	5.772	0.254	0	0	0	0	L
L	D3250	PC-125012	A	REC_99_UNK	6.50Y	108.3	0.00	17.69	0.00	0	0	0	100	0.00	0.0	5.772	0.254	0	0	0	0	L
L	PC-121427	D3250	A	4 ACSR	6.50Y	108.3	0.00	17.69	0.00	0	0	0	100	0.00	0.0	5.843	0.071	0	0	0	0	L
L	PC-123251	PC-169571	A	4 ACSR	6.50Y	108.3	0.00	17.68	2.10	2	13	2	99	0.00	0.0	5.425	0.020	0	0	0	1	L
L	PC-122422	PC-121506	A	6 ACWC	6.48Y	108.0	0.34	17.99	36.12	26	231	43	98	0.67	0.3	5.522	0.209	0	0	0	15	L
L	PC-172821	PC-122422	A	6 ACWC	6.47Y	107.9	0.16	18.15	7.80	6	50	9	98	0.07	0.1	5.976	0.454	0	0	0	5	L
L	PC-172948	PC-172821	A	6 ACWC	6.47Y	107.8	0.10	18.25	5.25	4	33	6	98	0.03	0.1	6.398	0.422	0	0	0	4	L
L	PC-124245	PC-172948	A	4 ACSR	6.46Y	107.7	0.01	18.25	3.52	3	22	4	98	0.00	0.0	6.440	0.042	0	0	0	2	L
L	PC-123227	PC-172948	A	6 ACWC	6.46Y	107.7	0.01	18.25	1.73	1	11	2	98	0.00	0.0	6.485	0.086	0	0	0	2	L
L	PC-132711	PC-123227	A	2 ACSR	6.46Y	107.7	0.00	18.25	0.55	0	3	1	95	0.00	0.0	6.508	0.024	0	0	0	1	L
L	PC-115423	PC-172821	A	4 ACSR	6.47Y	107.8	0.01	18.16	2.55	2	16	3	98	0.00	0.0	6.058	0.081	0	0	0	1	L
L	PC-130095	PC-122422	A	2 ACSR	6.48Y	108.0	0.04	18.03	9.69	5	62	11	98	0.02	0.0	5.658	0.135	0	0	0	6	L
L	PC-124238	PC-130095	A	2 ACSR	6.47Y	107.9	0.07	18.10	7.03	4	45	8	98	0.03	0.1	5.974	0.316	0	0	0	5	L
L	PC-123048	PC-124238	A	4 ACSR	6.47Y	107.9	0.01	18.11	4.66	3	30	5	99	0.00	0.0	6.024	0.050	0	0	0	1	L
L	PC-121744	PC-124238	A	2 ACSR	6.47Y	107.9	0.00	18.10	1.07	1	7	1	99	0.00	0.0	6.045	0.071	0	0	0	2	L
L	PC-115214	PC-121744	A	2 ACSR	6.47Y	107.9	0.00	18.10	1.06	1	7	1	99	0.00	0.0	6.110	0.065	0	0	0	1	L
L	PC-121510	PC-122422	A	4 ACSR	6.48Y	108.0	0.05	18.04	18.63	13	119	22	98	0.05	0.0	5.577	0.055	0	0	0	4	L
L	PC-121102	PC-121510	A	2 ACSR	6.48Y	108.0	0.00	18.04	2.17	1	14	3	98	0.00	0.0	5.625	0.048	0	0	0	1	L
L	PC-121011	PC-121510	A	4 ACSR	6.47Y	107.9	0.10	18.14	16.46	12	105	19	98	0.09	0.1	5.714	0.137	0	0	0	3	L
L	PC-124284	PC-121011	A	2 ACSR	6.47Y	107.8	0.10	18.24	11.93	7	76	14	98	0.06	0.1	5.991	0.277	0	0	0	1	L
L	PC-123040	PC-124284	A	1/0 URD PR	6.47Y	107.8	0.00	18.24	11.93	7	76	14	98	0.00	0.0	5.997	0.006	0	0	0	1	L
L	PC-158131	PC-123040	A	1/0 URD PR	6.46Y	107.7	0.03	18.27	11.93	7	76	14	98	0.02	0.0	6.070	0.074	0	0	0	1	L
L	PC-121504	PC-121506	A	4 ACSR	6.50Y	108.3	0.00	17.66	0.72	1	5	1	98	0.00	0.0	5.429	0.116	0	0	0	1	L
L	PC-121101	PC-121509	A	4 ACSR	6.51Y	108.5	0.01	17.47	7.23	5	46	9	98	0.00	0.0	5.248	0.035	0	0	0	4	L
L	PC-123301	PC-121101	A	4 ACSR	6.51Y	108.5	0.02	17.49	6.31	5	40	7	99	0.01	0.0	5.302	0.054	0	0	0	3	L
L	PC-127534	PC-127533	A	4 ACSR	6.55Y	109.2	0.02	16.77	5.31	4	34	6	98	0.01	0.0	5.001	0.090	0	0	0	2	L
L	PC-121104	PC-127534	A	4 ACSR	6.55Y	109.2	0.00	16.78	1.56	1	10	2	98	0.00	0.0	5.035	0.034	0	0	0	1	L
L	PC-132766	PC-132765	A	4 ACSR	6.59Y	109.8	0.01	16.25	6.34	5	41	8	98	0.00	0.0	4.773	0.033	0	0	0	3	L
L	PC-121686	PC-132766	A	4 ACSR	6.58Y	109.7	0.01	16.25	2.26	2	15	3	98	0.00	0.0	4.836	0.063	0	0	0	1	L
L	PC-123057	PC-132765	A	6 ACWC	6.59Y	109.8	0.01	16.24	4.79	3	31	6	98	0.00	0.0	4.775	0.034	0	0	0	5	L
L	PC-117164	PC-123057	A	4 ACSR	6.58Y	109.7	0.02	16.26	3.00	2	19	4	98	0.00	0.0	4.914	0.139	0	0	0	2	L
L	PC-121512	PC-122477	A	4 ACSR	6.59Y	109.9	0.02	16.11	5.59	4	36	7	98	0.01	0.0	4.771	0.070	0	0	0	7	L
L	PC-121260	PC-121512	A	4 ACSR	6.59Y	109.9	0.01	16.12	3.04	2	20	4	98	0.00	0.0	4.809	0.038	0	0	0	5	L
L	PC-124140	PC-121260	A	4 ACSR	6.59Y	109.9	0.00	16.12	0.00	0	0	0	100	0.00	0.0	4.852	0.043	0	0	0	0	L
L	S183-A	PC-124140	A	Open	6.59Y	109.9	0.00	16.12	0.00	0	0	0	100	0.00	0.0	4.852	0.043	0	0	0	0	L
L	PC-121259	PC-121260	A	6 ACWC	6.59Y	109.9	0.01	16.12	3.04	2	20	4	98	0.00	0.0	4.853	0.044	0	0	0	5	L
L	PC-121684	PC-121259	A	4 ACSR	6.59Y	109.9	0.01	16.13	1.74	1	11	2	98	0.00	0.0	4.928	0.075	0	0	0	3	L
L	PC-123213	PC-172890	A	6 ACWC	6.73Y	112.2	0.02	13.80	5.27	4	35	6	99	0.01	0.0	4.197	0.087	0	0	0	2	L
L	PC-123212	PC-123213	A	6 ACWC	6.73Y	112.2	0.00	13.80	2.05	1	14	3	98	0.00	0.0	4.226	0.029	0	0	0	1	L
	---------- Feeder No. 0 (22-114) Beginning with Device 22-114 ----------																					
P	PC-161690	PC-166908	ABC	1/0 URD PR	7.39Y	123.2	0.00	2.84	-0.01	0	0	0	100	0.00	0.0	5.480	0.018	0	0	0	0	P
C	PC-166907	PC-161103	A	1/0 URD PR	7.39Y	123.1	0.02	2.89	119.68	70	869	165	98	0.12	0.0	5.507	0.005	0	0	0	9	C
	---------- Feeder No. 0 (22-144) Beginning with Device 22-144 ----------																					
	---------- Feeder No. 0 (22-104) Beginning with Device 22-104 ----------																					

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

Balanced Voltage Drop Report
Source: NINEVAH

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\ASI ~ GG.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
P PC-158694	PC-125602	ABC	1/0 URD PR	7.41Y	123.5	0.00	2.46	-0.01	0	0	0	100	0.00	0.0	3.291	0.028	0	0	0	0	P

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total
KW	14280	185	0	0	0	0	269	0.00	14733
KVAR	2635	34	0	-46	0	0	946		3569

Lowest Voltage = 107.73 on Element PC-158131
Max Accm VoltD = 18.27 on Element PC-158131
Max Elem VoltD = 10.10 on Element A0

Balanced Voltage Drop Report
Source: SOUTH POINT

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\ASI ~ GG.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Cons On	Cons Thru
SOUTH POINT		ABC	SOUTH POIN	7.56Y	126.0	0.00	0.00	110.67	0	2406	714	96	0.00	0.0	0.000	0.000	0	0	0	165

---------- Feeder No. 0 (D102458) Beginning with Device D102458 ----------

---------- Feeder No. 0 (17-124) Beginning with Device 17-124 ----------

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total	
KW	2323	70	0	0	0	0	13	0.00	2406	Lowest Voltage = 124.66 on Element PC-175312
KVAR	700	21	0	-28	0	0	21		714	Max Accm VoltD = 1.34 on Element PC-175312
										Max Elem VoltD = 0.23 on Element PC-115477

Balanced Voltage Drop Report
Source: HOLLOWAY

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\ASI ~ GG.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
HOLLOWAY		ABC	HOLLOWAY	7.56Y	126.0	0.00	0.00	772.67	0	17423	1879	99	0.00	0.0	0.000	0.000	0	0	0	1546	
---------- Feeder No. 0 (2-104) Beginning with Device 2-104 ----------																					
C PC-103930	PC-118184	ABC	4/0 ACSR	7.31Y	121.8	0.53	4.16	227.57	67	5008	211	100	20.32	0.4	3.587	0.294	0	0	0	569	C
C PC-108420	PC-103930	ABC	4/0 ACSR	7.29Y	121.6	0.27	4.42	226.18	67	4957	172	100	10.22	0.2	3.736	0.150	0	0	0	567	C
C PC-109111	PC-108420	ABC	4/0 ACSR	7.29Y	121.5	0.08	4.50	226.18	67	4947	155	100	2.99	0.1	3.780	0.044	0	0	0	567	C
C PC-107270	PC-109111	ABC	4/0 ACSR	7.29Y	121.4	0.08	4.58	225.86	66	4937	149	100	2.99	0.1	3.824	0.044	0	0	0	564	C
C PC-105334	PC-107270	ABC	4/0 ACSR	7.28Y	121.3	0.08	4.66	225.86	66	4934	144	100	3.03	0.1	3.868	0.045	0	0	0	564	C
---------- Feeder No. 0 (2-114) Beginning with Device 2-114 ----------																					
---------- Feeder No. 0 (2-124) Beginning with Device 2-124 ----------																					
P PC-155306	PC-156246	A	1/0 URD PR	7.50Y	125.0	-0.00	0.99	-0.03	0	0	0	100	0.00	0.0	1.322	0.068	0	0	0	0	P
P PC-156148	PC-167687	A	1/0 URD PR	7.50Y	125.0	0.00	0.97	-0.01	0	0	0	100	0.00	0.0	1.205	0.015	0	0	0	0	P
P PC-163548	PC-159475	A	1/0 URD PR	7.21Y	120.2	-0.00	5.75	-0.03	0	0	0	100	0.00	0.0	5.280	0.069	0	0	0	0	P
P PC-159474	PC-153409	A	1/0 URD PR	7.22Y	120.3	0.00	5.74	-0.01	0	0	0	100	0.00	0.0	5.116	0.024	0	0	0	0	P
P PC-155605	PC-155522	A	1/0 URD PR	7.22Y	120.4	-0.00	5.60	-0.04	0	0	0	100	0.00	0.0	4.936	0.090	0	0	0	0	P
P PC-109937	PC-108638	A	4 ACSR	7.26Y	121.0	-0.00	5.04	-0.01	0	0	0	100	0.00	0.0	4.245	0.031	0	0	0	0	P
P PC-165367	PC-109937	A	1/0 URD PR	7.26Y	121.0	0.00	5.04	-0.01	0	0	0	100	0.00	0.0	4.275	0.030	0	0	0	0	P
P PC-152803	PC-118391	C	1/0 URD PR	7.22Y	120.4	0.00	5.62	-0.02	0	0	0	100	0.00	0.0	4.537	0.036	0	0	0	0	P
P PC-175446	PC-175371	A	1/0 URD PR	7.13Y	118.8	-0.00	7.21	-0.07	0	0	0	100	0.00	0.0	6.658	0.143	0	0	0	0	P
P PC-163600	PC-111277	B	1/0 URD PR	7.08Y	118.1	0.00	7.94	-0.01	0	0	0	100	0.00	0.0	7.438	0.020	0	0	0	0	P
P MParent11	PC-165907	AB	Node	7.13Y	118.8	0.00	7.21	-0.17	0	0	-1	0	0.00	0.0	6.654	0.020	0	0	0	0	P
P PC-167819	PC-166011	A	1/0 URD PR	7.13Y	118.8	-0.00	7.21	-0.07	0	0	0	100	0.00	0.0	6.911	0.148	0	0	0	0	P
P PC-165962	PC-166011	AB	1/0 URD PR	7.13Y	118.8	-0.00	7.21	-0.09	0	0	-1	0	0.00	0.0	6.878	0.114	0	0	0	0	P
P PC-165963	PC-165962	A	1/0 URD PR	7.13Y	118.8	-0.00	7.21	-0.07	0	0	-1	0	0.00	0.0	7.031	0.154	0	0	0	0	P
P PC-173536	PC-174286	A	1/0 URD PR	7.13Y	118.9	0.00	7.12	-0.01	0	0	0	100	0.00	0.0	6.597	0.030	0	0	0	0	P
---------- Feeder No. 0 (2-134) Beginning with Device 2-134 ----------																					
P PC-152131	PC-159396	B	1/0 URD PR	7.44Y	123.9	0.00	2.05	0.00	0	0	0	100	0.00	0.0	2.267	0.002	0	0	0	0	P
P PC-160330	PC-160329	C	1/0 URD PR	7.43Y	123.9	0.00	2.13	-0.00	0	0	0	100	0.00	0.0	2.245	0.008	0	0	0	0	P
P PC-181385	PC-171807	ABC	1/0 URD PR	7.42Y	123.6	0.00	2.38	-0.00	0	0	0	100	0.00	0.0	2.857	0.006	0	0	0	0	P
P PC-170181	PC-171976	C	1/0 URD PR	7.42Y	123.6	0.00	2.41	0.00	0	0	0	100	0.00	0.0	3.000	0.001	0	0	0	0	P
P PC-171975	PC-171974	B	1/0 URD PR	7.42Y	123.6	0.00	2.41	0.00	0	0	0	100	0.00	0.0	3.016	0.002	0	0	0	0	P
P PC-174333	PC-171911	A	1/0 URD PR	7.42Y	123.6	0.00	2.40	0.00	0	0	0	100	0.00	0.0	3.002	0.001	0	0	0	0	P
P PC-154269	PC-153977	B	1/0 URD PR	7.40Y	123.4	0.00	2.58	-0.01	0	0	0	100	0.00	0.0	2.592	0.017	0	0	0	0	P
P PC-158122	PC-153203	ABC	1/0 URD PR	7.39Y	123.2	0.00	2.84	-0.00	0	0	0	100	0.00	0.0	3.108	0.004	0	0	0	0	P
P PC-158074	PC-158207	ABC	350 MCM UR	7.41Y	123.4	0.00	2.56	-0.01	0	0	0	100	0.00	0.0	2.513	0.011	0	0	0	0	P
P PC-157901	PC-158074	ABC	1/0 URD PR	7.41Y	123.4	0.00	2.56	0.00	0	0	0	100	0.00	0.0	2.514	0.001	0	0	0	0	P

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total
KW	16693	135	0	0	0	0	596	0.00	17423
KVAR	3703	43	-2791	-103	0	0	1025		1879

Lowest Voltage = 117.41 on Element PC-169823
Max Accm VoltD = 8.59 on Element PC-169823
Max Elem VoltD = 0.79 on Element PC-118232

Balanced Voltage Drop Report
Source: POWELL TAYLOR

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\ASI ~ GG.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
POWELL TAYLOR		ABC	POWELL TAY	7.56Y	126.0	0.00	0.00	409.16	0	9189	1294	99	0.00	0.0	0.000	0.000	0	0	0	1094

---------- Feeder No. 0 (28-124) Beginning with Device 28-124 ----------

---------- Feeder No. 0 (28-144) Beginning with Device 28-144 ----------

---------- Feeder No. 0 (28-114) Beginning with Device 28-114 ----------

---------- Feeder No. 0 (28-134) Beginning with Device 28-134 ----------

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total	
KW	8831	186	0	0	0	0	173	0.00	9189	Lowest Voltage = 118.19 on Element PC-122961
KVAR	1652	35	-619	-17	0	0	243		1294	Max Accm VoltD = 7.81 on Element PC-122961
										Max Elem VoltD = 0.40 on Element PC-120612

Balanced Voltage Drop Report
Source: PPG

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\ASI ~ GG.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PPG		ABC	PPG	7.56Y	126.0	0.00	0.00	246.87	0	5336	1695	95	0.00	0.0	0.000	0.000	0	0	0	1

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total
KW	5152	185	0	0	0	0	0	0.00	5336
KVAR	1636	59	0	0	0	0	0		1695

Lowest Voltage = 126.00 on Element PC-159016
Max Accm VoltD = 0.00 on Element PC-159016
Max Elem VoltD = 0.00 on Element PC-159016

Balanced Voltage Drop Report
Source: BRIDGEPORT

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\ASI ~ GG.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
BRIDGEPORT		ABC	BRIDGEPORT	15.12Y	126.0	0.00	0.00	485.85	0	22035	392	100	0.00	0.0	0.000	0.000	0	0	0	3484	
---------- Feeder No. 0 (21-124) Beginning with Device 21-124 ----------																					
---------- Feeder No. 0 (21-134) Beginning with Device 21-134 ----------																					
---------- Feeder No. 0 (21-114) Beginning with Device 21-114 ----------																					
P PC-156228	PC-167195	B	1/0 URD PR	15.10Y	125.8	0.00	0.16	-0.05	0	0	-1	0	0.00	0.0	6.009	0.049	0	0	0	0	P
P PC-156264	PC-167196	B	1/0 URD PR	15.09Y	125.7	0.00	0.26	-0.02	0	0	0	100	0.00	0.0	6.957	0.023	0	0	0	0	P
P PC-156263	PC-167289	B	1/0 URD PR	15.10Y	125.8	0.00	0.16	-0.01	0	0	0	100	0.00	0.0	5.923	0.006	0	0	0	0	P
P PC-175101	PC-123335	A	1/0 URD PR	14.97Y	124.7	0.00	1.28	-0.02	0	0	0	100	0.00	0.0	9.458	0.025	0	0	0	0	P
P PC-167021	PC-133200	A	1/0 URD PR	14.69Y	122.4	0.00	3.57	-0.01	0	0	0	100	0.00	0.0	5.113	0.015	0	0	0	0	P
---------- Feeder No. 0 (21-144) Beginning with Device 21-144 ----------																					

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total	
KW	21047	554	0	0	0	0	434	0.00	22035	Lowest Voltage = 122.19 on Element PC-124707
KVAR	136	4	-327	-86	0	0	666		392	Max Accm VoltD = 3.81 on Element PC-124707
										Max Elem VoltD = 0.45 on Element PC-126439

Balanced Voltage Drop Report
Source: MERCER_CO

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\ASI ~ GG.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
MERCER_CO		ABC	MERCER_CO	7.56Y	126.0	0.00	0.00	213.43	0	4226	2360	87	0.00	0.0	0.000	0.000	0	0	0	56

---------- Feeder No. 0 (25-105) Beginning with Device 25-105 ----------

---------- Feeder No. 0 (25-134) Beginning with Device 25-134 ----------

---------- Feeder No. 0 (25-104) Beginning with Device 25-104 ----------

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total	
KW	4080	142	0	0	0	0	4	0.00	4226	Lowest Voltage = 125.23 on Element PC-167379
KVAR	2598	90	-329	-6	0	0	6		2360	Max Accm VoltD = 0.77 on Element PC-167379
										Max Elem VoltD = 0.31 on Element OH233

Balanced Voltage Drop Report
Source: VAN_ARSDELL

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\ASI ~ GG.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
VAN_ARSDELL		ABC	VAN_ARSDEL	7.56Y	126.0	0.00	0.00	841.89	0	19088	475	100	0.00	0.0	0.000	0.000	0	0	0	2295	
---------- Feeder No. 0 (24-134) Beginning with Device 24-134 ----------																					
---------- Feeder No. 0 (24-104) Beginning with Device 24-104 ----------																					
P PC-111920	24-104	ABC	3/0 ACSR	7.56Y	126.0	0.00	0.00	-0.00	0	0	0	100	0.00	0.0	0.019	0.007	0	0	0	0	P
P PC-109847	PC-111920	ABC	3/0 ACSR	7.56Y	126.0	0.00	0.00	-0.00	0	0	0	100	0.00	0.0	0.040	0.021	0	0	0	0	P
C PC-159354	VAN_ARSDELL	ABC	3/0 ACSR	7.56Y	126.0	0.01	0.01	199.63	67	4509	414	100	0.28	0.0	0.004	0.004	0	0	0	529	C
C PC-106822	PC-159354	ABC	3/0 ACSR	7.56Y	126.0	0.01	0.01	199.63	67	4508	414	100	0.16	0.0	0.007	0.002	0	0	0	529	C
---------- Feeder No. 0 (24-124) Beginning with Device 24-124 ----------																					
C PC-117710	24-124	ABC	3/0 ACSR	7.51Y	125.2	0.75	0.76	199.63	67	4508	414	100	23.89	0.5	0.363	0.357	0	0	0	529	C
C PC-106598	PC-117710	ABC	3/0 ACSR	7.50Y	125.1	0.16	0.92	199.63	67	4484	380	100	5.23	0.1	0.442	0.078	0	0	0	529	C
C PC-107943	PC-106598	ABC	3/0 ACSR	7.49Y	124.9	0.17	1.09	199.58	67	4478	372	100	5.40	0.1	0.522	0.081	0	0	0	528	C
C PC-103449	PC-107943	ABC	3/0 ACSR	7.48Y	124.7	0.17	1.26	199.35	66	4467	364	100	5.62	0.1	0.606	0.084	0	0	0	524	C
C PC-109534	PC-103449	ABC	3/0 ACSR	7.47Y	124.6	0.16	1.42	198.97	66	4453	355	100	5.10	0.1	0.683	0.077	0	0	0	523	C
C PC-101367	PC-109534	ABC	3/0 ACSR	7.46Y	124.3	0.31	1.73	198.26	66	4432	345	100	9.93	0.2	0.833	0.150	0	0	0	521	C
C PC-105045	PC-101367	ABC	3/0 ACSR	7.43Y	123.9	0.36	2.09	196.75	66	4389	326	100	11.56	0.3	1.011	0.178	0	0	0	518	C
C PC-106449	PC-105045	ABC	3/0 ACSR	7.42Y	123.7	0.21	2.30	195.37	65	4347	306	100	6.74	0.2	1.116	0.105	0	0	0	512	C
C PC-105512	PC-106449	ABC	3/0 ACSR	7.42Y	123.6	0.11	2.41	195.30	65	4339	296	100	3.53	0.1	1.171	0.055	0	0	0	511	C
C R25	PC-101091	ABC	219	7.56Y	126.0	-6.62	0.00	183.53	84	3943	63	100	percent Boost= 5.25 Tap= 8.4							468	C
L PC-97880	PC-102110	ABC	2 ACSR	7.02Y	116.9	0.19	9.07	75.05	42	1523	-428	-96	3.14	0.2	8.534	0.132	0	0	0	199	L
L PC-104774	PC-97880	ABC	2 ACSR	7.02Y	116.9	0.00	9.07	75.05	42	1520	-430	-96	0.07	0.0	8.536	0.003	0	0	0	199	L
---------- Feeder No. 0 (24-144) Beginning with Device 24-144 ----------																					
H R18	PC-110661	ABC	219	7.56Y	126.0	-7.03	-0.00	141.22	64	3020	164	100	percent Boost= 5.58 Tap= 8.9							424	H
H R8	PC-98934	ABC	219	7.56Y	126.0	-5.50	-0.00	69.59	32	1495	207	99	percent Boost= 4.36 Tap= 7.0							242	H
P PC-154931	PC-155704	A	1/0 URD PR	7.47Y	124.5	-0.00	1.48	-0.05	0	0	0	100	0.00	0.0	10.813	0.093	0	0	0	0	P
P PC-168287	PC-100178	C	1/0 URD PR	7.47Y	124.5	-0.00	1.50	-0.04	0	0	0	100	0.00	0.0	10.067	0.078	0	0	0	1	P
---------- Feeder No. 0 (24-114) Beginning with Device 24-114 --------																					
C REG317	PC-153944	ABC	219	7.56Y	126.0	-6.09	0.00	164.67	75	3545	-256	-100	percent Boost= 4.83 Tap= 7.7							466	C

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total
KW	17366	200	0	0	0	0	1522	0.00	19088
KVAR	2494	23	-4134	-18	0	0	2109		475

Lowest Voltage = 116.93 on Element PC-104774
Max Accm VoltD = 9.07 on Element PC-104774
Max Elem VoltD = 2.85 on Element PC-106663

Balanced Voltage Drop Report
Source: DAVIS

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\ASI ~ GG.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
DAVIS		ABC	DAVIS	7.56Y	126.0	0.00	0.00	577.28	0	13092	-95	-100	0.00	0.0	0.000	0.000	0	0	0	1264	
---------- Feeder No. 0 (4-104) Beginning with Device 4-104 ----------																					
H R51	PC-112297	A	219	7.56Y	126.0	-3.11	-0.00	36.51	17	269	8	100	percent Boost= 2.47 Tap= 4.0							18	H
P PC-177502	PC-172300	A	1/0 URD PR	7.36Y	122.7	0.00	3.34	0.00	0	0	0	100	0.00	0.0	4.723	0.003	0	0	0	0	P
---------- Feeder No. 0 (4-124) Beginning with Device 4-124 ----------																					
P PC-151957	PC-152032	C	1/0 URD PR	7.32Y	122.0	0.00	3.96	-0.00	0	0	0	100	0.00	0.0	2.918	0.006	0	0	0	0	P
H R41	PC-110617	ABC	219	7.56Y	126.0	-6.40	-0.00	105.57	48	2264	-195	-100	percent Boost= 5.08 Tap= 8.1							254	H
P PC-154796	PC-155009	C	1/0 URD PR	7.29Y	121.4	0.00	4.56	-0.00	0	0	0	100	0.00	0.0	3.168	0.007	0	0	0	0	P
P PC-147092	PC-153410	C	1/0 URD PR	7.48Y	124.6	0.00	1.38	-0.00	0	0	0	100	0.00	0.0	2.598	0.006	0	0	0	0	P
---------- Feeder No. 0 (4-114) Beginning with Device 4-114 ----------																					
C PC-159106	DAVIS	ABC	4/0 URD PR	7.56Y	126.0	0.00	0.00	132.02	59	2989	-180	-100	0.12	0.0	0.004	0.004	0	0	0	303	C
C PC-106027	PC-159106	ABC	4/0 URD PR	7.56Y	126.0	0.01	0.02	132.02	59	2989	-180	-100	0.27	0.0	0.013	0.009	0	0	0	303	C
---------- Feeder No. 0 (4-134) Beginning with Device 4-134 ----------																					
C PC-164323	4-134	ABC	4/0 URD PR	7.56Y	125.9	0.06	0.07	132.02	59	2988	-180	-100	1.47	0.0	0.062	0.049	0	0	0	303	C

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total
KW	12452	303	0	0	0	0	337	0.00	13092
KVAR	504	12	-971	-76	0	0	436		-95

Lowest Voltage = 119.60 on Element PC-110617
Max Accm VoltD = 6.40 on Element PC-110617
Max Elem VoltD = 0.74 on Element PC-155760

Balanced Voltage Drop Report
Source: COLEMANSVILLE

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\ASI ~ GG.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
COLEMANSVILLE		ABC	COLEMANSVI	7.56Y	126.0	0.00	0.00	574.38	0	12960	1321	99	0.00	0.0	0.000	0.000	0	0	0	2280	
---------- Feeder No. 0 (32-104) Beginning with Device 32-104 ----------																					
---------- Feeder No. 0 (32-114) Beginning with Device 32-114 ----------																					
---------- Feeder No. 0 (32-124) Beginning with Device 32-124 ----------																					
---------- Feeder No. 0 (32-134) Beginning with Device 32-134 ----------																					
L PC-138463	PC-163405	C	6 ACWC	7.02Y	117.0	0.11	9.03	6.66	5	46	5	99	0.04	0.1	11.965	0.378	0	0	0	10	L
L PC-149411	PC-138463	C	6 ACWC	7.02Y	116.9	0.03	9.05	5.26	4	37	4	99	0.01	0.0	12.086	0.121	0	0	0	8	L
L PC-142801	PC-149411	C	4 ACSR	7.02Y	116.9	0.00	9.05	0.66	0	5	1	98	0.00	0.0	12.111	0.025	0	0	0	2	L
L PC-142279	PC-142801	C	4 ACSR	7.02Y	116.9	0.00	9.06	0.58	0	4	0	100	0.00	0.0	12.174	0.063	0	0	0	1	L
L PC-139475	PC-149411	C	4 ACSR	7.02Y	116.9	0.00	9.05	1.39	1	10	1	100	0.00	0.0	12.117	0.032	0	0	0	1	L
L PC-139153	PC-149411	C	6 ACWC	7.02Y	116.9	0.00	9.06	2.81	2	20	2	100	0.00	0.0	12.124	0.038	0	0	0	4	L
L PC-150076	PC-139153	C	6 ACWC	7.02Y	116.9	0.01	9.06	1.65	1	11	1	100	0.00	0.0	12.220	0.097	0	0	0	3	L
L PC-151415	PC-150076	C	6 ACWC	7.02Y	116.9	0.00	9.06	0.00	0	0	0	100	0.00	0.0	12.426	0.206	0	0	0	0	L
L PC-150075	PC-150076	C	4 ACSR	7.02Y	116.9	0.00	9.07	1.14	1	8	1	99	0.00	0.0	12.256	0.035	0	0	0	1	L
L PC-141283	PC-150076	C	4 ACSR	7.02Y	116.9	0.00	9.07	0.51	0	4	0	100	0.00	0.0	12.364	0.144	0	0	0	2	L
L PC-142800	PC-141283	C	4 ACSR	7.02Y	116.9	0.00	9.07	0.09	0	1	0	100	0.00	0.0	12.411	0.047	0	0	0	1	L
L PC-137294	PC-138463	C	4 ACSR	7.02Y	117.0	0.01	9.03	1.40	1	10	1	100	0.00	0.0	12.074	0.109	0	0	0	2	L
L PC-143822	PC-137294	C	4 ACSR	7.02Y	117.0	0.00	9.04	1.40	1	10	1	100	0.00	0.0	12.131	0.058	0	0	0	1	L

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total	
KW	12221	71	0	0	0	0	668	0.00	12960	Lowest Voltage = 116.93 on Element PC-142800
KVAR	1678	10	-1250	-9	0	0	892		1321	Max Accm VoltD = 9.07 on Element PC-142800
										Max Elem VoltD = 1.75 on Element PC-153686

Balanced Voltage Drop Report
Source: SOUTH ELKHORN

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\ASI ~ GG.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
SOUTH ELKHORN		ABC	SOUTH ELKH	7.56Y	126.0	0.00	0.00	628.85	0	14085	2244	99	0.00	0.0	0.000	0.000	0	0	0	1878	
C PC-153036	SOUTH ELKHORN	ABC	350 MCM UR	7.56Y	126.0	0.01	0.01	189.09	59	4239	648	99	0.22	0.0	0.006	0.006	0	0	0	1043	C
C PC-164292	PC-153036	ABC	350 MCM UR	7.56Y	126.0	0.00	0.01	189.09	59	4239	647	99	0.12	0.0	0.010	0.003	0	0	0	1043	C
---------- Feeder No. 0 (12-104) Beginning with Device 12-104 ----------																					
C PC-154508	12-104	ABC	350 MCM UR	7.56Y	125.9	0.06	0.07	189.09	59	4239	647	99	1.90	0.0	0.064	0.054	0	0	0	1043	C
---------- Feeder No. 0 (12-134) Beginning with Device 12-134 ----------																					
P PC-175875	PC-167645	B	1/0 URD PR	7.46Y	124.4	0.00	1.64	0.00	0	0	0	100	0.00	0.0	2.862	0.002	0	0	0	0	P
---------- Feeder No. 0 (12-114) Beginning with Device 12-114 ----------																					
C PC-153081	PC-125550	ABC	350 MCM UR	7.56Y	125.9	0.06	0.08	207.54	65	4654	698	99	1.92	0.0	0.060	0.045	0	0	0	379	C
P PC-181200	PC-151434	B	1/0 URD PR	7.52Y	125.4	0.00	0.60	-0.01	0	0	0	100	0.00	0.0	0.780	0.015	0	0	0	0	P
P PC-155063	PC-159142	B	1/0 URD PR	7.52Y	125.4	0.00	0.61	0.00	0	0	0	100	0.00	0.0	0.945	0.001	0	0	0	0	P
P PC-156128	PC-152726	C	1/0 URD PR	7.45Y	124.2	0.00	1.78	-0.00	0	0	0	100	0.00	0.0	2.569	0.006	0	0	0	0	P
P PC-158417	PC-154180	B	1/0 URD PR	7.46Y	124.3	0.00	1.68	-0.01	0	0	0	100	0.00	0.0	2.333	0.015	0	0	0	0	P
P PC-163527	PC-155528	B	1/0 URD PR	7.46Y	124.3	0.00	1.68	-0.00	0	0	0	100	0.00	0.0	2.322	0.006	0	0	0	0	P
P PC-117692	PC-158672	C	1/0 URD PR	7.46Y	124.3	0.00	1.70	-0.02	0	0	0	100	0.00	0.0	2.726	0.006	0	0	0	0	P
P PC-153176	PC-158665	C	1/0 URD PR	7.47Y	124.5	0.00	1.55	-0.00	0	0	0	100	0.00	0.0	1.795	0.006	0	0	0	0	P
P PC-158554	PC-167183	B	1/0 URD PR	7.47Y	124.5	0.00	1.51	-0.00	0	0	0	100	0.00	0.0	1.673	0.006	0	0	0	0	P
P PC-167340	PC-158624	B	1/0 URD PR	7.50Y	125.0	0.00	1.00	0.00	0	0	0	100	0.00	0.0	1.592	0.001	0	0	0	0	P
---------- Feeder No. 0 (12-124) Beginning with Device 12-124 ----------																					
C PC-116895	PC-112755	ABC	1/0 ACSR	7.49Y	124.9	0.09	1.12	160.19	70	3568	506	99	2.43	0.1	1.060	0.036	0	0	0	322	C
C PC-117041	S632-A	ABC	1/0 ACSR	7.48Y	124.7	0.23	1.35	160.19	70	3566	503	99	5.86	0.2	1.146	0.086	0	0	0	322	C
C PC-113413	PC-117041	ABC	1/0 ACSR	7.47Y	124.5	0.14	1.48	160.19	70	3560	498	99	3.54	0.1	1.197	0.052	0	0	0	321	C
C PC-113763	PC-113413	ABC	1/0 ACSR	7.46Y	124.3	0.19	1.67	159.89	70	3549	494	99	4.86	0.1	1.269	0.071	0	0	0	320	C
C PC-111069	PC-113763	ABC	1/0 ACSR	7.45Y	124.2	0.10	1.77	149.87	65	3322	463	99	2.39	0.1	1.309	0.040	0	0	0	307	C

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total
KW	13572	312	0	0	0	0	201	0.00	14085
KVAR	2410	58	-326	-194	0	0	296		2244

Lowest Voltage = 120.31 on Element PC-120488
Max Accm VoltD = 5.69 on Element PC-120488
Max Elem VoltD = 0.39 on Element PC-124364

Balanced Voltage Drop Report
Source: BRACKEN_COUNTY

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\ASI ~ GG.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
BRACKEN_COUNTY		ABC	BRACKEN_CO	7.56Y	126.0	0.00	0.00	375.40	0	8483	729	100	0.00	0.0	0.000	0.000	0	0	0	1557	
---------- Feeder No. 0 (31-104) Beginning with Device 31-104 ----------																					
---------- Feeder No. 0 (31-114) Beginning with Device 31-114 ----------																					
P PC-159021	PC-150454	B	1/0 URD PR	7.36Y	122.6	-0.00	3.41	-0.04	0	0	0	100	0.00	0.0	7.291	0.025	0	0	0	0	P
P PC-160469	PC-159021	B	1/0 URD PR	7.36Y	122.6	0.00	3.41	-0.03	0	0	0	100	0.00	0.0	7.297	0.006	0	0	0	0	P
P PC-167371	PC-160469	B	1/0 URD PR	7.36Y	122.6	0.00	3.41	-0.03	0	0	0	100	0.00	0.0	7.355	0.058	0	0	0	0	P

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total	
KW	7940	119	0	0	0	0	424	0.00	8483	Lowest Voltage = 118.07 on Element PC-159289
KVAR	1244	17	-975	-6	0	0	449		729	Max Accm VoltD = 7.93 on Element PC-159289
										Max Elem VoltD = 0.70 on Element PC-146167

Balanced Voltage Drop Report
Source: HEADQUARTERS

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\ASI ~ GG.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
HEADQUARTERS		ABC	HEADQUARTE	7.56Y	126.0	0.00	0.00	406.14	0	9207	272	100	0.00	0.0	0.000	0.000	0	0	0	1600	
---------- Feeder No. 0 (36-144) Beginning with Device 36-144 ----------																					
H REG195	PC-147602	ABC	219	7.56Y	126.0	-7.13	-0.00	117.46	54	2421	-676	-96	percent Boost= 5.66 Tap= 9.1							468	H
---------- Feeder No. 0 (36-114) Beginning with Device 36-114 ----------																					
---------- Feeder No. 0 (36-134) Beginning with Device 36-134 ----------																					
---------- Feeder No. 0 (36-124) Beginning with Device 36-124 ----------																					
---------- Feeder No. 0 (36-104) Beginning with Device 36-104 ----------																					

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total	
KW	8535	138	0	0	0	0	535	0.00	9207	Lowest Voltage = 117.75 on Element PC-141870
KVAR	876	14	-1299	-5	0	0	685		272	Max Accm VoltD = 8.25 on Element PC-141870
										Max Elem VoltD = 0.94 on Element PC-135258

Balanced Voltage Drop Report
Source: ALCAN 1

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\ASI ~ GG.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Cons On	Cons Thru	
ALCAN 1		ABC	ALCAN 1	7.56Y	126.0	0.00	0.00	231.05	0	4838	2014	92	0.00	0.0	0.000	0.000	0	0	0	27	
---------- Feeder No. 0 (10-1241) Beginning with Device 10-1241 ----------																					
---------- Feeder No. 0 (10-124) Beginning with Device 10-124 ----------																					
P PC-163250	PC-157202	ABC	1/0 URD PR	7.54Y	125.7	0.00	0.34	-0.00	0	0	0	100	0.00	0.0	1.527	0.004	0	0	0	0	P
P PC-93789	PC-94332	ABC	1/0 ACSR	7.55Y	125.8	0.00	0.24	-0.01	0	0	0	100	0.00	0.0	0.835	0.023	0	0	0	0	P
---------- Feeder No. 0 (10-114) Beginning with Device 10-114 ----------																					
C PC-164932	PC-89179	ABC	4/0 URD PR	7.52Y	125.3	0.01	0.70	173.91	77	3238	2215	83	0.30	0.0	0.414	0.006	0	0	0	1	C
C PC-164934	PC-164932	ABC	4/0 URD PR	7.52Y	125.3	0.02	0.72	173.91	77	3237	2214	83	0.56	0.0	0.424	0.011	0	0	0	1	C
C PC-164945	PC-164934	ABC	1/0 URD PR	7.49Y	124.8	0.44	1.16	173.96	102	3237	2216	83	12.86	0.4	0.548	0.124	0	0	0	1	C
P PC-154718	PC-164934	ABC	1/0 URD PR	7.52Y	125.3	0.00	0.72	0.00	0	0	0	100	0.00	0.0	0.426	0.001	0	0	0	0	P
P PC-152716	PC-152590	ABC	1/0 URD PR	7.52Y	125.3	0.00	0.72	0.00	0	0	0	100	0.00	0.0	0.492	0.001	0	0	0	0	P

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total
KW	4667	141	0	0	0	0	30	0.00	4838
KVAR	3202	97	-1317	-7	0	0	39		2014

Lowest Voltage = 124.84 on Element PC-164945
Max Accm VoltD = 1.16 on Element PC-164945
Max Elem VoltD = 0.44 on Element PC-164945

Balanced Voltage Drop Report
Source: WEST NICHOLA...

Database: C:\USERS\DFLEMING\DOCUMENTS\1 ~ P&D OPEN & ONGOING PROJECTS\1 ~ CO OPS\KY64 ~ BLUE GRASS ENERGY\CWP ~ 2010\MODELS\ASI ~ GG.WM\
Title:
Case:

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
WEST NICHOLA...		ABC	WEST NICHO	7.56Y	126.0	0.00	0.00	1052.43	0	23597	3596	99	0.00	0.0	0.000	0.000	0	0	0	2849	
---------- Feeder No. 0 (3-144) Beginning with Device 3-144 ----------																					
P PC-152865	PC-152602	B	1/0 URD PR	7.48Y	124.7	0.00	1.26	-0.01	0	0	0	100	0.00	0.0	1.314	0.021	0	0	0	0	P
P PC-153158	PC-153013	C	1/0 URD PR	7.50Y	125.0	0.00	0.96	-0.00	0	0	0	100	0.00	0.0	0.996	0.006	0	0	0	0	P
P PC-162283	PC-152600	C	1/0 URD PR	7.50Y	125.0	0.00	0.96	-0.00	0	0	0	100	0.00	0.0	0.980	0.006	0	0	0	0	P
P PC-152859	PC-151469	C	1/0 URD PR	7.50Y	125.0	0.00	1.00	-0.01	0	0	0	100	0.00	0.0	1.176	0.021	0	0	0	0	P
P PC-158911	PC-159130	C	1/0 URD PR	7.51Y	125.1	0.00	0.89	-0.00	0	0	0	100	0.00	0.0	1.041	0.006	0	0	0	0	P
P PC-158602	PC-155371	B	1/0 URD PR	7.50Y	124.9	0.00	1.08	-0.01	0	0	0	100	0.00	0.0	1.381	0.019	0	0	0	0	P
---------- Feeder No. 0 (3-124) Beginning with Device 3-124 ----------																					
P PC-176834	PC-169954	A	1/0 URD PR	7.31Y	121.9	0.00	4.14	-0.00	0	0	0	100	0.00	0.0	5.192	0.004	0	0	0	0	P
P PC-167399	PC-167389	ABC	350 MCM UR	7.56Y	126.0	0.00	0.00	-0.01	0	0	0	100	0.00	0.0	0.006	0.003	0	0	0	0	P
---------- Feeder No. 0 (3-104) Beginning with Device 3-104 ----------																					
C PC-159105	WEST NICHOLA...	ABC	336.4 ACSR	7.56Y	126.0	0.01	0.01	357.38	67	8018	1188	99	0.40	0.0	0.004	0.004	0	0	0	888	C
---------- Feeder No. 0 (3-134) Beginning with Device 3-134 ----------																					
C PC-106921	3-134	ABC	336.4 ACSR	7.56Y	126.0	0.02	0.03	357.38	67	8017	1187	99	0.88	0.0	0.012	0.008	0	0	0	888	C
C PC-108910	PC-106921	ABC	4/0 ACSR	7.53Y	125.5	0.51	0.53	357.38	105	8017	1185	99	26.43	0.3	0.167	0.155	0	0	0	888	C
C PC-104892	PC-108910	ABC	336.4 ACSR	7.51Y	125.2	0.29	0.82	357.38	67	7990	1140	99	14.24	0.2	0.301	0.134	0	0	0	888	C
C PC-111923	PC-104892	ABC	336.4 ACSR	7.51Y	125.1	0.06	0.88	356.45	67	7955	1104	99	2.77	0.0	0.327	0.026	0	0	0	886	C
C PC-106949	PC-111923	ABC	336.4 ACSR	7.50Y	125.1	0.06	0.94	355.54	67	7933	1093	99	2.82	0.0	0.354	0.027	0	0	0	884	C
C PC-110779	PC-106949	ABC	336.4 ACSR	7.50Y	125.0	0.06	0.99	354.98	67	7917	1084	99	2.82	0.0	0.381	0.027	0	0	0	882	C
C PC-102160	PC-110779	ABC	336.4 ACSR	7.50Y	124.9	0.06	1.05	353.96	67	7892	1073	99	2.82	0.0	0.408	0.027	0	0	0	880	C
C PC-108054	PC-102160	ABC	336.4 ACSR	7.49Y	124.9	0.06	1.11	353.10	67	7870	1063	99	2.76	0.0	0.434	0.027	0	0	0	878	C
C PC-102218	PC-108054	ABC	336.4 ACSR	7.49Y	124.8	0.06	1.16	352.23	66	7848	1053	99	2.74	0.0	0.461	0.027	0	0	0	876	C
C PC-117800	PC-102218	ABC	336.4 ACSR	7.49Y	124.8	0.05	1.22	351.28	66	7824	1042	99	2.62	0.0	0.486	0.025	0	0	0	874	C
C PC-100138	PC-117800	ABC	336.4 ACSR	7.48Y	124.7	0.06	1.27	350.99	66	7815	1035	99	2.87	0.0	0.514	0.028	0	0	0	873	C
C PC-101161	PC-100138	ABC	336.4 ACSR	7.48Y	124.7	0.05	1.33	350.73	66	7807	1027	99	2.60	0.0	0.539	0.025	0	0	0	871	C
C PC-107293	PC-101161	ABC	336.4 ACSR	7.48Y	124.6	0.06	1.38	350.11	66	7790	1019	99	2.71	0.0	0.566	0.026	0	0	0	869	C
C PC-111918	PC-107293	ABC	336.4 ACSR	7.47Y	124.6	0.06	1.44	349.61	66	7777	1010	99	2.77	0.0	0.593	0.027	0	0	0	867	C
C PC-107142	PC-111918	ABC	336.4 ACSR	7.47Y	124.5	0.05	1.49	348.94	66	7759	1001	99	2.67	0.0	0.619	0.026	0	0	0	865	C
C PC-104906	PC-107142	ABC	336.4 ACSR	7.47Y	124.4	0.08	1.57	348.35	66	7744	992	99	3.72	0.0	0.656	0.037	0	0	0	863	C
C PC-113118	PC-104906	ABC	336.4 ACSR	7.44Y	124.0	0.44	2.01	348.11	66	7735	983	99	21.55	0.3	0.869	0.213	0	0	0	862	C
P PC-181090	PC-166677	C	1/0 URD PR	7.39Y	123.1	0.00	2.86	-0.00	0	0	0	100	0.00	0.0	1.648	0.004	0	0	0	0	P
P PC-107532	PC-102226	B	4 ACSR	7.23Y	120.6	0.00	5.42	0.00	0	0	0	100	0.00	0.0	4.628	0.049	0	0	0	0	P
P PC-159293	PC-107532	B	1/0 URD PR	7.23Y	120.6	0.00	5.42	0.00	0	0	0	100	0.00	0.0	4.631	0.003	0	0	0	0	P
P PC-155859	PC-156930	C	1/0 URD PR	7.24Y	120.6	0.00	5.40	-0.00	0	0	0	100	0.00	0.0	4.963	0.006	0	0	0	0	P
P PC-155905	PC-155904	A	1/0 URD PR	7.26Y	121.1	0.00	4.92	0.00	0	0	0	100	0.00	0.0	3.379	0.002	0	0	0	0	P
---------- Feeder No. 0 (3-154) Beginning with Device 3-154 ----------																					
P PC-163546	PC-153312	B	1/0 URD PR	7.36Y	122.7	0.00	3.34	-0.00	0	0	0	100	0.00	0.0	2.524	0.006	0	0	0	0	P
P PC-165377	PC-156132	B	1/0 URD PR	7.36Y	122.7	0.00	3.34	-0.00	0	0	0	100	0.00	0.0	2.623	0.006	0	0	0	0	P
---------- Feeder No. 0 (3-164) Beginning with Device 3-164 ----------																					

KEY-> L = Low Voltage H = High Voltage C = Capacity Over Limit (%capacity or load amps) G = Generator Out of kvar Limits P = Power Factor Low

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total	
KW	22669	359	0	0	0	0	569	0.00	23597	Lowest Voltage = 118.01 on Element PC-99537
KVAR	5074	82	-2566	-67	0	0	1073		3596	Max Accm VoltD = 7.99 on Element PC-99537
										Max Elem VoltD = 0.92 on Element PC-106257

Substation Summary:

Substation	KW	KW Losses	KVAR	KVAR Losses	KVA	% Capacity
SOUTH POINT	2406.00	13.00	742.00	21.00	2509.94	0.00
WEST NICHOLA...	11480.00	96.00	3832.00	190.00	12096.59	0.00
BRACKEN_COUNTY	8483.00	424.00	1710.00	449.00	8514.15	0.00
FOUR_OAKS	9877.00	359.00	2932.00	595.00	9885.78	0.00
COLEMANSVILLE	12960.00	668.00	2580.00	892.00	13026.93	0.00
CYNTHIANA	16464.00	562.00	4518.00	834.00	16777.57	0.00
3M	8528.00	4.00	4888.00	6.00	9829.35	0.00
HEADQUARTERS	9208.00	535.00	1575.00	685.00	9211.35	0.00
LEES_LICK	11940.00	559.00	2860.00	828.00	11977.54	0.00
MILLERSBURG	6901.00	290.00	1048.00	291.00	6937.54	0.00
JACKSONVILLE	7012.00	364.00	1978.00	501.00	7045.06	0.00
OXFORD	9560.00	369.00	2105.00	445.00	9574.77	0.00
BRIDGEPORT	22035.00	434.00	806.00	666.00	22038.29	0.00
NINEVAH	14734.00	269.00	3615.00	946.00	15159.57	0.00
POWELL TAYLOR	9190.00	173.00	1930.00	243.00	9279.64	0.00
SOUTH ELKHORN	14085.00	201.00	2764.00	296.00	14262.30	0.00
SINAI	13038.00	523.00	2800.00	744.00	13126.38	0.00
FAYETTE1	15298.00	170.00	2526.00	301.00	15447.87	0.00
FAYETTE2	10420.00	64.00	1579.00	97.00	10526.17	0.00
HOLLOWAY	17424.00	596.00	4771.00	1025.00	17524.10	0.00
CLAY_LICK	13633.00	545.00	3470.00	732.00	13666.85	0.00
DAVIS	13092.00	337.00	952.00	436.00	13092.72	0.00
CHAPLIN	1480.00	0.00	692.00	0.00	1633.71	0.00
VAN_ARSDELL	19088.00	1522.00	4626.00	2109.00	19093.96	0.00
WEST NICHOLA...	23597.00	569.00	6229.00	1073.00	23869.15	0.00
NICHOLASVILLE	12918.00	291.00	3128.00	440.00	13005.44	0.00
SOUTH JESSAMINE	25842.00	809.00	8772.00	1558.00	26414.95	0.00
NORTH MADISON	12973.00	448.00	2868.00	760.00	13108.58	0.00
MERCER_CO	4226.00	4.00	2694.00	6.00	4840.53	0.00
NEWBY	15632.00	468.00	3597.00	784.00	15971.46	0.00
CROOKSVILLE	14859.00	504.00	3299.00	890.00	15003.97	0.00
HICKORY PLAINS	29300.00	740.00	6509.00	1379.00	29605.02	0.00
ALCAN 2	16540.00	154.00	9672.00	348.00	18689.68	0.00
ALCAN 1	4838.00	30.00	3338.00	39.00	5240.10	0.00
WEST BEREA	22525.00	531.00	4745.00	950.00	22742.44	0.00
PPG	5337.00	0.00	1695.00	0.00	5599.12	0.00
Total:	466923.00	13625.00	117845.00	21559.00	476328.62	