Project: ETAP Page: 1 19.0.1C Location: Date: 01-16-2025 SN: Contract: Engineer: Revision: Base Study Case: LF Filename: PROPOSED-DESIGN Config.: Normal

Branch Losses Summary Report

Branch ID kw kvar kw kwar kw kwar reom To no 04 C -1.2 -0.8 1.2 0.8 0.0 0.0 97.4 97.5 5-167 kVA 3600 223.8 -357.5 -222.8 2.5 10.0 100.0 98.3 DP-Q1 C -161.1 -100.0 161.2 110.0 0.1 0.1 97.5 97.6 DP-LINK 3F 54.1 333.5 -54.1 -333.5 0.0 0.0 96.9 96.8 EDP1 C -161.2 -100.1 161.2 100.2 0.0 0.1 97.6 97.6 EDP2 C -194.6 -119.9 194.7 10.1 0.1 0.2 97.6 97.6 EDP2 C -194.6 -119.9 194.7 -10.0 0.0 0.0 97.5 97.3 EEDCE C 17.1 10.6 -17.1 -10.6 0.0 0.0 97.5 97.5 97.5 19.5 <th rowspan="2">Branch ID</th> <th colspan="2">From-To Bus Flow</th> <th colspan="2">To-From Bus Flow</th> <th colspan="2">Losses</th> <th colspan="2">% Bus Voltage</th> <th>Vd % Drop</th>	Branch ID	From-To Bus Flow		To-From Bus Flow		Losses		% Bus Voltage		Vd % Drop
S-167 kVA 360.0 232.8 357.5 -222.8 2.5 10.0 100.0 98.3		kw	kvar	kw	kvar	kW	kvar	From	То	in Vmag
DP-01 C -161.1 -100.0 161.2 100.1 0.1 0.1 97.5 97.6 DP-02 C -194.5 -119.8 194.6 119.9 0.1 0.1 97.5 97.6 DP-LINK-3F 54.1 33.5 -54.1 33.5 0.0 0.0 96.9 96.8 EDP1 C -161.2 -100.1 161.2 100.2 0.0 0.1 97.6 97.6 EDP2 C -194.6 -119.9 194.7 120.1 0.1 0.2 97.6 97.6 EEECEC C 17.1 10.6 -17.1 -10.6 0.0 0.0 0.97.5 97.3 L-ACU C -28.7 -17.8 28.7 17.8 0.0 0.0 95.7 97.5 L-ACU C -28.7 -17.8 28.7 17.8 0.0 0.0 95.7 97.5 L-ACU C -14.0 -8.7 114.0 8.7 0.0 0.0 95.7 95.7 L-ACU C <th< th=""><th>04 C</th><th>-1.2</th><th>-0.8</th><th>1.2</th><th>0.8</th><th>0.0</th><th>0.0</th><th>97.4</th><th>97.5</th><th>0.07</th></th<>	04 C	-1.2	-0.8	1.2	0.8	0.0	0.0	97.4	97.5	0.07
DP-Q2 C 1-194.5 -119.8 194.6 119.9 0.1 0.1 97.5 97.6 DP-LINK-3F 54.1 33.5 -54.1 -33.5 0.0 0.0 96.9 96.8 EDP1 C 1-161.2 -100.1 161.2 100.2 0.0 0.1 97.6 97.6 EDP2 C 1-194.6 -119.9 194.7 120.1 0.1 0.2 97.6 97.6 EDECE C 17.1 10.6 -17.1 10.6 0.0 0.0 97.5 97.3 PEECEC C 17.1 10.6 17.1 10.6 0.0 0.0 97.5 97.3 PEECEC C 17.1 10.6 17.1 10.6 0.0 0.0 97.5 97.3 PEECEC C 17.1 10.6 17.1 10.6 0.0 0.0 97.5 97.3 PEECEC C 17.1 10.6 17.1 10.6 0.0 0.0 97.5 97.3 PEECEC C 17.1 10.6 17.1 10.6 0.0 0.0 97.5 97.3 PEECEC C 17.1 10.6 17.1 17.8 18.1 18.1 18.1 18.1 18.1 18.1	3-167 kVA	360.0	232.8	-357.5	-222.8	2.5	10.0	100.0	98.3	1.74
Delink 3F	DP-01 C	-161.1	-100.0	161.2	100.1	0.1	0.1	97.5	97.6	0.07
EDP1 C 1-1612 1-100.1 161.2 1100.2 0.0 0.1 97.6 97.6 EDP2 C -194.6 -119.9 194.7 120.1 0.1 0.2 97.6 97.6 EEECE C 17.1 10.6 -17.1 -10.6 0.0 0.0 97.5 97.3 HS LBC 4.4 2.7 -4.4 -2.7 0.0 0.0 95.7 97.5 LACUC -28.7 -17.8 28.7 17.8 0.0 0.0 95.7 97.5 LG-01 C -14.0 -8.7 14.0 8.7 0.0 0.0 95.7 95.7 LG-02 C -14.0 -6.2 11.1 -12.2 0.0 0.0 95.7 95.7 LG-02 C -14.0 -6.2 10.1 6.2 0.1 0.0 95.7 95.7 LG-02 C -14.0 -6.1 33.1 -44.9 -22.6 0.5 0.5 97.5 99.7 LENCA-CUI C	DP-02 C	-194.5	-119.8	194.6	119.9	0.1	0.1	97.5	97.6	0.05
EDP2 C	DP-LINK -3F	54.1	33.5	-54.1	-33.5	0.0	0.0	96.9	96.8	0.01
EEECEC 17.1 10.6 -17.1 10.6 0 0.0 0.0 97.5 97.5 P7.5 P.5 P.5 P.5 P.5 P.5 P.5 P.5 P.5 P.5 P	EDP1 C	-161.2	-100.1	161.2	100.2	0.0	0.1	97.6	97.6	0.04
HSLIBC 44 2.7 4.4 -2.7 0.0 0.0 97.5 97.5 LACUC -28.7 1-17.8 28.7 1-17.8 0.0 0.0 95.6 95.7 LG-01 C 1-14.0 8.7 1-14.0 8.7 0.0 0.0 95.6 95.7 LG-02 C 1-1.9 1-1.2 1.9 1-1.2 0.0 0.0 95.7 95.7 1-11.1	EDP2 C	-194.6	-119.9	194.7	120.1	0.1	0.2	97.6	97.6	0.08
L-ACUC	EE/ECE C	17.1	10.6	-17.1	-10.6	0.0	0.0	97.5	97.3	0.22
LGOIC -14.0 -8.7 14.0 8.7 0.0 0.0 95.6 95.7 LGO2C -1.9 -1.2 1.9 1.2 0.0 0.0 95.7 95.7 LINK C 85.4 53.1 -84.9 -52.6 0.5 0.5 97.5 96.9 LRAC-ACUI C -10.0 -6.2 10.1 6.2 0.1 0.0 96.9 97.5 MAIN C -355.9 -220.3 357.5 222.8 1.5 2.5 97.6 98.3 MAIN LIB C -64.5 -39.9 65.8 40.5 1.3 0.6 95.7 97.5 MDP-CLPH C 45.6 28.2 -45.4 -28.1 0.1 0.1 97.5 97.5 97.5 MDP-SAL C 21.4 13.1 -21.0 -13.0 0.4 0.1 97.5 96.0 ME CI 29.9 18.4 -29.7 -18.4 0.2 0.0 97.5 97.5 ME LAB C	HS LIB C	4.4	2.7	-4.4	-2.7	0.0	0.0	97.5	97.5	0.05
LG-02 C -1.9 -1.2 1.9 1.2 0.0 0.0 95.7 95.7 LINK C 85.4 53.1 -84.9 -52.6 0.5 0.5 97.5 96.9 LRAC-ACUI C -10.0 -6.2 10.1 6.2 0.1 0.0 96.9 97.5 MAIN C -355.9 -220.3 357.5 222.8 1.5 2.5 97.6 98.3 MAIN LIB C -64.5 -339.9 65.8 40.5 1.3 0.6 95.7 97.5 96.0 MDP-CLPH C 45.6 28.2 -45.4 -28.1 0.1 0.1 97.5 96.0 MDP-SAL C 11.4 13.1 -21.0 -13.0 0.4 0.1 97.5 96.0 ME CI 29.9 18.4 -29.7 -18.4 0.2 0.0 97.5 96.9 ME LSB C 1.3 0.6 97.5 97.5 MEI57&158 C 4.7 2.9 -4.7 -2.9 0.0 0.0 97.5 97.5 OB C 7.5 4.7 -7.5 -4.7 0.0 0.0 97.5 97.5 PD-01 C -7.6 4.7 7.6 4.7 0.0 0.0 95.7 95.7 PD-02 C -32.2 -19.9 32.2 19.9 0.0 0.0 95.7 95.7 PD-03 C -8.7 -5.4 8.7 5.4 0.0 0.0 95.7 95.7 PD-05 C -22.3 -13.8 22.5 13.9 0.1 0.0 97.5 97.5 PD-04 C -11.9 -7.4 12.0 7.4 0.0 0.0 97.5 97.5 PD-04 C -22.3 -13.8 22.5 13.9 0.1 0.0 97.0 97.5 PD-04 C -	L-ACU C	-28.7	-17.8	28.7	17.8	0.0	0.0	96.8	96.9	0.01
LINK C	LG-01 C	-14.0	-8.7	14.0	8.7	0.0	0.0	95.6	95.7	0.06
LRAC-ACUI C 1-10.0	LG-02 C	-1.9	-1.2	1.9	1.2	0.0	0.0	95.7	95.7	0.03
MAINC	LINK C	85.4	53.1	-84.9	-52.6	0.5	0.5	97.5	96.9	0.68
MAIN LIB C -64.5 -39.9 65.8 40.5 1.3 0.6 95.7 97.5 MDP-CLPH C 45.6 28.2 -45.4 -28.1 0.1 0.1 97.5 97.2 MDP-SAL C 21.4 13.1 -21.0 -13.0 0.4 0.1 97.5 96.0 ME C1 29.9 18.4 -29.7 -18.4 0.2 0.0 97.5 96.9 ME LAB C 0.1 0.1 -0.1 -0.1 0.0 0.0 97.5 97.5 ME 157&158 C 4.7 2.9 -4.7 -2.9 0.0 0.0 97.5 97.5 OB C 7.5 4.7 -7.5 4.7 0.0 0.0 97.5 97.4 PB-01 C -7.6 4.7 7.6 4.7 0.0 0.0 95.7 95.7 PB-02 C -32.2 -19.9 32.2 19.9 0.0 0.0 95.7 95.7 PB-05 C -2.7 -5.4<	LRAC-ACU1 C	-10.0	-6.2	10.1	6.2	0.1	0.0	96.9	97.5	0.66
MDP-CLPH C 45.6 28.2 445.4 -28.1 0.1 0.1 97.5 97.2 MDP-SALC 21.4 13.1 -21.0 -13.0 0.4 0.1 97.5 96.0 ME C1 29.9 18.4 -29.7 -18.4 0.2 0.0 97.5 96.9 ME LAB C 0.1 0.1 0.1 -0.1 0.0 0.0 97.5 97.5 ME157&158 C 4.7 2.9 4.7 -2.9 0.0 0.0 97.5 97.5 OB C 7.5 4.7 -7.5 4.7 0.0 0.0 97.5 97.5 PB-02 C 32.2 19.9 32.2 19.9 0.0 0.0 95.7 95.7 PB-03 C 48.7 -5.4 8.7 5.4 8.7 5.4 0.0 0.0 95.7 95.7 PB-05 C -22.3 -13.8 22.5 13.9 0.2 0.1 96.7 97.5 PB-07 C -22.3 -13.8 22.5 13.9 0.1 0.0 97.0 97.5 PB-07 C -22.5 PB-	MAIN C	-355.9	-220.3	357.5	222.8	1.5	2.5	97.6	98.3	0.61
MDP-SALC MEC1 29.9 18.4 -29.7 -18.4 0.2 0.0 97.5 96.0 ME LAB C 0.1 0.1 0.1 -0.1 -0.1 0.0 0.0 97.5 97.5 97.5 ME157&158 C 4.7 2.9 -4.7 -2.9 0.0 0.0 97.5 97.5 97.5 OB C 7.5 4.7 -7.5 -4.7 0.0 0.0 97.5 95.7 PB-01 C -32.2 -19.9 32.2 19.9 0.0 0.0 95.7 95.7 PB-05 C -22.3 -13.8 22.5 13.9 0.2 0.1 96.7 97.5 PB-07 C -22.3 -13.8 22.5 13.9 0.1 0.0 97.0 97.5 PB-ACU-1 C 6.5 4.0 -6.5 -4.0 0.0 97.2 97.0 PB-BSMT C- 14.4 -0.8 14.4 -0.8 14.4 -0.8 14.4 -0.8 14.4 -0.8 -0.0 0.0 96.8 96.8 PB-LINK-373 C 13.5 8.4 -13.5 -8.4 0.0 0.0 96.8 96.8 PB-LINK-374 C 13.5 8.4 -13.5 -8.4 0.0 0.0 97.5 96.0 97.5 96.0 97.5 96.0 97.5 96.0 97.5 97.5 97.5 97.5 97.5 97.5 97.5 97.5 97.5 97.5 97.5 97.5 97.5 97.5 97.5 97.5 97.5 97.5 97.7 97.7 97.5 97.5 97.5 97.5 97.5 97.5 97.5 97.5 97.5 97.5 97.5 97.5 97.5 97.5 97.5 97.6 97.6 97.6 97.6 97.6 97.6 97.6 97.6 97.6 97.6 97.6 97.6 98.8 96.8 98.8 98.8	MAIN LIB C	-64.5	-39.9	65.8	40.5	1.3	0.6	95.7	97.5	1.81
ME C1 29.9 18.4 -29.7 -18.4 0.2 0.0 97.5 96.9 ME LABC 0.1 0.1 -0.1 -0.1 -0.1 0.0 0.0 97.5 97.5 ME157&158 C 4.7 2.9 -4.7 -2.9 0.0 0.0 97.5 97.5 OB C 7.5 4.7 -7.5 4.7 0.0 0.0 97.5 97.5 PB-01 C -7.6 4.7 7.6 4.7 0.0 0.0 95.7 95.7 PB-02 C -32.2 -19.9 32.2 19.9 0.0 0.0 95.7 95.7 PB-05 C -22.3 -13.8 22.5 13.9 0.2 0.1 96.7 97.5 PB-06 C -11.9 -7.4 12.0 7.4 0.0 0.0 97.3 97.5 PB-07 C -22.3 -13.8 22.5 13.9 0.1 0.0 97.0 97.5 PB-07 C -22.3 -13.8 22.5 13.9 0.1 0.0 97.0 97.5 PB-07 C -22.3 -13.8 22.5 13.9 0.1 0.0 97.0 97.5 PB-07 C -22.3 -13.8 12.5 13.9 0.1 0.0 97.0 97.5 PB-07 C -22.3 -13.8 12.5 13.9 0.1 0.0 97.0 97.5 PB-07 C -22.3 -13.8 12.5 13.9 0.1 0.0 97.0 97.5 PB-07 C -22.3 -13.8 12.5 13.9 0.1 0.0 97.0 97.5 PB-07 C -22.3 -13.8 12.5 13.9 0.1 0.0 97.0 97.5 PB-07 C -22.3 -13.8 14. 0.0 0.0 0.0 97.2 96.8 PB-BSMT C- 14.4 8.9 -14.3 8.9 0.1 0.0 97.2 96.8 PB-BSMT C- 14.4 -0.8 1.4 0.8 0.0 0.0 96.8 96.9 PB-CLINIC C -9.6 -6.0 9.7 6.0 0.1 0.0 96.7 97.2 PB-CLINIC C -9.6 -6.0 9.7 6.0 0.1 0.0 96.8 96.8 PB-LINK-373 C 13.5 8.4 -13.5 8.4 0.0 0.0 0.0 96.8 96.8 PB-LINK-374 C 13.5 8.4 -13.5 8.4 0.0 0.0 0.0 96.8 96.8	MDP-CLPH C	45.6	28.2	-45.4	-28.1	0.1	0.1	97.5	97.2	0.36
ME LAB C 0.1 0.1 0.1 0.0 0.0 97.5 97.5 ME157&158 C 4.7 2.9 4.7 -2.9 0.0 0.0 97.5 97.5 97.5 OB C 7.5 4.7 7.6 4.7 0.0 0.0 97.5 97.7 PB-01 C -7.6 -4.7 7.6 4.7 0.0 0.0 95.7 95.7 PB-03 C -8.7 -5.4 8.7 5.4 0.0 0.0 95.7 95.7 PB-05 C -22.3 -13.8 22.5 13.9 0.2 0.1 96.7 97.5 PB-07 C -22.3 -13.8 22.5 13.9 0.1 0.0 97.0 97.5 PB-ACU-1 C 6.5 4.0 -6.5 4.0 0.0 0.0 97.2 97.0 97.5 PB-BSMT C- PB-BSMT C- -1.4 -0.8 1.4 -0.8 1.4 0.8 0.0 0.0 96.8 96.9 PB-LINK-373 C 13.5 8.4 -13.5 8.4 -13.5 -8.4 0.0 0.0 0.0 97.5 97.5 97.5 97.5 97.5 97.5 97.5 97.6 97.5 97.5 97.6 97.5 97.6 97.5 97.6 97.6 0.0 0.0 97.7 97.7 97.7 97.7 97.7 97.7 98.8 98.8 98.8 98.8 98.8 98.8 98.8	MDP-SAL C	21.4	13.1	-21.0	-13.0	0.4	0.1	97.5	96.0	1.48
MEI57&158 C 4.7 2.9 -4.7 -2.9 0.0 0.0 97.5 97.5 OB C 7.5 4.7 -7.5 4.7 0.0 0.0 97.5 97.4 PB-01 C -7.6 4.7 7.6 4.7 0.0 0.0 95.5 95.7 PB-02 C -32.2 -19.9 32.2 19.9 0.0 0.0 95.7 95.7 PB-03 C -8.7 -5.4 8.7 5.4 0.0 0.0 95.7 95.7 PB-05 C -22.3 -13.8 22.5 13.9 0.2 0.1 96.7 97.5 PB-06 C -11.9 -7.4 12.0 7.4 0.0 0.0 97.3 97.5 PB-07 C -22.3 -13.8 22.5 13.9 0.1 0.0 97.0 97.5 PB-ACU-1 C 6.5 4.0 -6.5 4.0 0.0 0.0 97.2 97.0 PB-ACU-2 C 14.4 8.9 -14.3 8.9 0.1 0.0 97.2 96.8 PB-BSMT C1.4 -0.8 1.4 0.8 0.0 0.0 96.8 96.9 PB-CLINIC C -9.6 -6.0 9.7 6.0 0.1 0.0 96.8 96.8 PB-LINK-373 C 13.5 8.4 -13.5 8.4 0.0 0.0 0.0 96.8 96.8 PB-LINK-374 C 13.5 8.4 -13.5 8.4 0.0 0.0 0.0 96.8 96.8	ME C1	29.9	18.4	-29.7	-18.4	0.2	0.0	97.5	96.9	0.57
OB C OB C 7.5 4.7 7.6 4.7 7.6 4.7 0.0 0.0 97.5 97.4 PB-01 C -7.6 -4.7 7.6 4.7 0.0 0.0 95.5 95.7 PB-02 C -32.2 -19.9 32.2 19.9 0.0 0.0 95.7 95.7 PB-03 C -8.7 -5.4 8.7 5.4 0.0 0.0 95.7 95.7 PB-05 C -22.3 -13.8 22.5 13.9 0.2 0.1 96.7 97.5 PB-06 C -11.9 -7.4 12.0 7.4 0.0 0.0 97.3 97.5 PB-07 C -22.3 -13.8 22.5 13.9 0.1 0.0 97.0 97.5 PB-ACU-1 C 6.5 4.0 -6.5 4.0 0.0 0.0 97.2 97.0 PB-ACU-2 C 14.4 8.9 -14.3 -8.9 0.1 0.0 97.2 96.8 PB-BSMT C1.4 -0.8 1.4 0.8 0.0 0.0 96.8 96.9 PB-CLINIC C -9.6 -6.0 9.7 6.0 0.1 0.0 96.8 96.8 PB-LINK-373 C 13.5 8.4 -13.5 -8.4 0.0 0.0 0.0 96.8 96.8	ME LAB C	0.1	0.1	-0.1	-0.1	0.0	0.0	97.5	97.5	0.00
PB-01 C -7.6 -4.7 7.6 4.7 0.0 0.0 95.5 95.7 PB-02 C -32.2 -19.9 32.2 19.9 0.0 0.0 95.7 95.7 PB-03 C -8.7 -5.4 8.7 5.4 0.0 0.0 95.7 95.7 PB-05 C -22.3 -13.8 22.5 13.9 0.2 0.1 96.7 97.5 PB-06 C -11.9 -7.4 12.0 7.4 0.0 0.0 97.3 97.5 PB-07 C -22.3 -13.8 22.5 13.9 0.1 0.0 97.0 97.5 PB-ACU-1 C 6.5 4.0 -6.5 4.0 0.0 0.0 97.2 97.0 PB-ACU-2 C 14.4 8.9 -14.3 -8.9 0.1 0.0 97.2 96.8 PB-BSMT C- PB-BSMT C- PB-CLINIC C -9.6 -6.0 9.7 6.0 0.1 0.0 96.8 96.9 PB-LINK-373 C 13.5 8.4 -13.5 -8.4 0.0 0.0 9.0 96.8 96.8 PB-LINK-374 C 13.5 8.4 -13.5 -8.4 0.0 0.0 9.0 96.8 96.8	ME157&158 C	4.7	2.9	-4.7	-2.9	0.0	0.0	97.5	97.5	0.04
PB-02 C -32.2 -19.9 32.2 19.9 0.0 0.0 95.7 95.7 PB-03 C -8.7 -5.4 8.7 5.4 0.0 0.0 95.7 95.7 PB-05 C -22.3 -13.8 22.5 13.9 0.2 0.1 96.7 97.5 PB-06 C -11.9 -7.4 12.0 7.4 0.0 0.0 97.3 97.5 PB-07 C -22.3 -13.8 22.5 13.9 0.1 0.0 97.0 97.5 PB-ACU-1 C 6.5 4.0 -6.5 4.0 0.0 0.0 97.2 97.0 PB-ACU-2 C 14.4 8.9 -14.3 8.9 -14.3 8.9 0.1 0.0 97.2 96.8 PB-BSMT C- 1.4 -0.8 1.4 0.8 0.0 0.0 96.8 96.9 PB-CLINIC C -9.6 -6.0 9.7 6.0 0.1 0.0 96.7 97.2 PB-LINK-373 C 13.5 8.4 -13.5 8.4 0.0 0.0 0.0 96.8 96.8 PB-LINK-374 C 13.5 8.4 -13.5 8.4 0.0 0.0 0.0 96.8 96.8	OB C	7.5	4.7	-7.5	-4.7	0.0	0.0	97.5	97.4	0.16
PB-03 C	PB-01 C	-7.6	-4.7	7.6	4.7	0.0	0.0	95.5	95.7	0.21
PB-05 C -22.3 -13.8 22.5 13.9 0.2 0.1 96.7 97.5 PB-06 C -11.9 -7.4 12.0 7.4 0.0 0.0 97.3 97.5 PB-07 C -22.3 -13.8 22.5 13.9 0.1 0.0 97.0 97.5 PB-ACU-1 C 6.5 4.0 -6.5 -4.0 0.0 0.0 97.2 97.0 PB-ACU-2 C 14.4 8.9 -14.3 -8.9 0.1 0.0 97.2 96.8 PB-BSMT C- PB-BSMT C- PB-CLINIC C -9.6 -6.0 9.7 6.0 0.1 0.0 96.8 96.9 PB-LINK-373 C 13.5 8.4 -13.5 -8.4 0.0 0.0 96.8 96.8 PB-LINK-374 C 13.5 8.4 -13.5 -8.4 0.0 0.0 96.8 96.8	PB-02 C	-32.2	-19.9	32.2	19.9	0.0	0.0	95.7	95.7	0.02
PB-06 C -11.9 -7.4 12.0 7.4 0.0 0.0 97.3 97.5 PB-07 C -22.3 -13.8 22.5 13.9 0.1 0.0 97.0 97.5 PB-ACU-1 C 6.5 4.0 -6.5 4.0 0.0 0.0 97.2 97.0 PB-ACU-2 C 14.4 8.9 -14.3 -8.9 0.1 0.0 97.2 96.8 PB-BSMT C1.4 -0.8 1.4 0.8 0.0 0.0 96.8 96.9 PB-CLINIC C -9.6 -6.0 9.7 6.0 0.1 0.0 96.7 97.2 PB-LINK-373 C 13.5 8.4 -13.5 -8.4 0.0 0.0 96.8 96.8 PB-LINK-374 C 13.5 8.4 -13.5 -8.4 0.0 0.0 96.8 96.8	PB-03 C	-8.7	-5.4	8.7	5.4	0.0	0.0	95.7	95.7	0.02
PB-07 C -22.3 -13.8 22.5 13.9 0.1 0.0 97.0 97.5 PB-ACU-1 C 6.5 4.0 -6.5 -4.0 0.0 0.0 97.0 97.2 97.0 PB-ACU-2 C 14.4 8.9 -14.3 -8.9 0.1 0.0 97.2 96.8 PB-BSMT C1.4 -0.8 1.4 0.8 0.0 0.0 96.8 96.9 PB-CLINIC C -9.6 -6.0 9.7 6.0 0.1 0.0 96.7 97.2 PB-LINK-373 C 13.5 8.4 -13.5 -8.4 0.0 0.0 96.8 96.8 PB-LINK-374 C 13.5 8.4 -13.5 -8.4 0.0 0.0 96.8 96.8	PB-05 C	-22.3	-13.8	22.5	13.9	0.2	0.1	96.7	97.5	0.81
PB-ACU-1 C 6.5 4.0 -6.5 -4.0 0.0 0.0 97.2 97.0 PB-ACU-2 C 14.4 8.9 -14.3 -8.9 0.1 0.0 97.2 96.8 PB-BSMT C1.4 -0.8 1.4 0.8 0.0 0.0 96.8 96.9 PB-CLINIC C -9.6 -6.0 9.7 6.0 0.1 0.0 96.7 97.2 PB-LINK-373 C 13.5 8.4 -13.5 -8.4 0.0 0.0 96.8 96.8 PB-LINK-374 C 13.5 8.4 -13.5 -8.4 0.0 0.0 96.8 96.8	PB-06 C	-11.9	-7.4	12.0	7.4	0.0	0.0	97.3	97.5	0.25
PB-ACU-2 C 14.4 8.9 -14.3 -8.9 0.1 0.0 97.2 96.8 PB-BSMT C1.4 -0.8 1.4 0.8 0.0 0.0 96.8 96.9 PB-CLINIC C -9.6 -6.0 9.7 6.0 0.1 0.0 96.7 97.2 PB-LINK-373 C 13.5 8.4 -13.5 -8.4 0.0 0.0 96.8 96.8 PB-LINK-374 C 13.5 8.4 -13.5 -8.4 0.0 0.0 96.8 96.8	PB-07 C	-22.3	-13.8	22.5	13.9	0.1	0.0	97.0	97.5	0.55
PB-BSMT C- PB-CLINIC C PB-LINK-373 C PB-LINK-374 C	PB-ACU-1 C	6.5	4.0	-6.5	-4.0	0.0	0.0	97.2	97.0	0.13
PB-CLINIC C -9.6 -6.0 9.7 6.0 0.1 0.0 96.7 97.2 PB-LINK-373 C 13.5 8.4 -13.5 -8.4 0.0 0.0 96.8 96.8 PB-LINK-374 C 13.5 8.4 -13.5 -8.4 0.0 0.0 96.8 96.8	PB-ACU-2 C	14.4	8.9	-14.3	-8.9	0.1	0.0	97.2	96.8	0.36
PB-LINK-373 C 13.5 8.4 -13.5 -8.4 0.0 0.0 96.8 96.8 PB-LINK-374 C 13.5 8.4 -13.5 -8.4 0.0 0.0 96.8 96.8	PB-BSMT C-	-1.4	-0.8	1.4	0.8	0.0	0.0	96.8	96.9	0.01
PB-LINK-374 C 13.5 8.4 -13.5 -8.4 0.0 0.0 96.8 96.8	PB-CLINIC C	-9.6	-6.0	9.7	6.0	0.1	0.0	96.7	97.2	0.50
	PB-LINK-373 C	13.5	8.4	-13.5	-8.4	0.0	0.0	96.8	96.8	0.01
PB-LINK-375 C 13.5 8.4 -13.5 -8.4 0.0 0.0 96.8 96.7	PB-LINK-374 C	13.5	8.4	-13.5	-8.4	0.0	0.0	96.8	96.8	0.07
	PB-LINK-375 C	13.5	8.4	-13.5	-8.4	0.0	0.0	96.8	96.7	0.13

Project: ETAP Page: 2 19.0.1C Location: Date: 01-16-2025 SN: Contract: Engineer: Revision: Base Study Case: LF Filename: PROPOSED-DESIGN Config.: Normal

Branch ID	From-To Bus Flow		To-From Bus Flow		Losses		% Bus Voltage		Vd % Drop
	kw	kvar	kw	kvar	kW	kvar	From	То	in Vmag
PB-LINK-376 C	13.5	8.4	-13.5	-8.3	0.0	0.0	96.8	96.6	0.20
PB-LINK-4F C	-0.8	-0.5	0.8	0.5	0.0	0.0	96.8	96.9	0.03
PB-PHYS C	11.1	6.8	-11.0	-6.8	0.1	0.0	97.2	96.5	0.64
РВ-РО С	2.4	1.5	-2.4	-1.5	0.0	0.0	96.0	96.0	0.03
PB-RO C	4.5	2.8	-4.5	-2.8	0.0	0.0	96.0	96.0	0.04
PB-SAL-2F C	4.1	2.5	-4.1	-2.5	0.0	0.0	96.0	96.0	0.01
PB-SAL-3F C	2.0	1.3	-2.0	-1.3	0.0	0.0	96.0	96.0	0.02
PB-SAL-4F C	2.7	1.7	-2.7	-1.7	0.0	0.0	96.0	96.0	0.02
PB-SAL-GF C	2.4	1.5	-2.4	-1.5	0.0	0.0	96.0	95.6	0.42
PB-SAL-GF-R163 C	0.9	0.5	-0.9	-0.5	0.0	0.0	96.0	95.9	0.11
PB-SAL-R164 C	0.9	0.6	-0.9	-0.6	0.0	0.0	96.0	96.0	0.03
PB-SAL-R165 C	1.0	0.6	-1.0	-0.6	0.0	0.0	96.0	96.0	0.05
PB-TROOM C	3.8	2.4	-3.8	-2.4	0.0	0.0	97.2	97.0	0.14
PERICAN C	5.4	3.4	-5.4	-3.3	0.0	0.0	97.5	97.4	0.13
				,	7.9	14.6			

 $[\]boldsymbol{*}$ This Transmission Line includes Series Capacitor.

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Engineer:

Location: 19.0.1C Date: 01-16-2025

Contract: SN:

Revision:

Base

Filename: Study Case: LF Revision: Base

Filename: PROPOSED-DESIGN

Config.: Normal