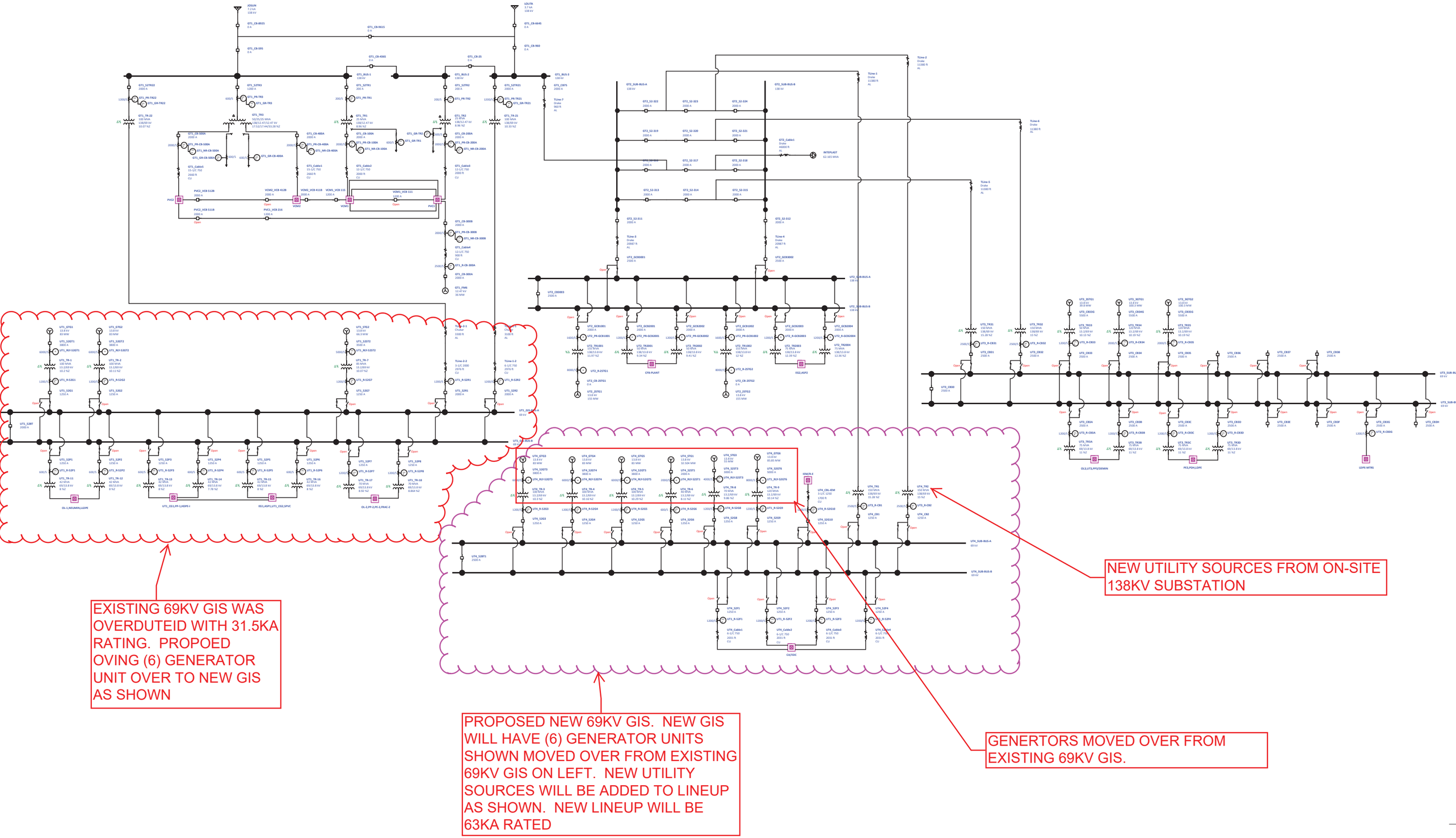
JOSUN
7.2 kA
138 kV
GT1_CB-8925
0 A
GT1_CB-595
0 A
GT1_CB-9615
0 A
GT1_CB-4365
0 A
GT1_CB-25
0 A
LOUTA
3.7 kA
138 kV
GT1_CB-6645
0 A
GT1_CB-960
0 A
GT1_BUS-1
138 kV
GT1_BUS-2
138 kV
GT1_BUS-3
138 kV
GT1_527R22
2000 A
GT1_527R3
1200 A
GT1_527R1
200 A
GT1_527R2
200 A
GT1_527R21
2000 A
GT1_CB75
2000 A
GT1_PR-TR22
GT1_GR-TR22
GT1_PR-TR3
GT1_GR-TR3
GT1_PR-TR1
GT1_PR-TR2
GT1_PR-TR21
GT1_GR-TR21
GT1_TR-22
100 MVA
138/69 kV
10.07 %Z
GT1_TR3
50/25/25 MVA
138/12.47/12.47 kV
7.71/17.44/15.28 %Z
GT1_TR1
25 MVA
138/12.47 kV
8.96 %Z
GT1_TR2
25 MVA
138/12.47 kV
8.96 %Z
GT1_TR-21
100 MVA
138/69 kV
10.33 %Z
TLine-7
Drake
960 ft
AL
GT1_CB-500A
2000 A
GT1_PR-CB-500A
GT1_NR-CB-500A
GT1_GR-CB-500A
GT1_CB-400A
2000 A
GT1_PR-CB-400A
GT1_NR-CB-400A
GT1_CB-100A
2000 A
GT1_PR-CB-100A
GT1_NR-CB-100A
GT1_GR-TR2
GT1_GR-TR1
GT1_CB-200A
2000 A
GT1_PR-CB-200A
GT1_NR-CB-200A
GT1_Cable5
15-1/C 750
2000 ft
CU
GT1_Cable1
15-1/C 750
2000 ft
CU
GT1_Cable2
12-1/C 750
2000 ft
CU
GT1_Cable3
12-1/C 750
2000 ft
CU
PVC2
PVC2_VCB 512B
2000 A
Open
PVC2_VCB 511B
2000 A
Open
VCM2_VCB 412B
2000 A
Open
PVC1_VCB 216
1200 A
VCM2
VCM2_VCB 411B
2000 A
VCM1
VCM1_VCB 131
1200 A
VCM1_VCB 111
1200 A
Open
PVC1
GT1_CB-300B
2000 A
GT1_PR-CB-300B
GT1_NR-CB-300B
GT1_Cable4
12-1/C 750
900 ft
CU
GT1_R-CB-300A
GT1_CB-300A
2000 A
GT1_FME
12.47 kV
36 MW
TLine-2-1
Chukar
3160 ft
AL
TLine-1-2
Chukar
3160 ft
AL
TLine-2-2
3-1/C 2000
2976 ft
CU
TLine-1-2
6-1/C 750
2976 ft
CU
UT1_GTG1
13.8 kV
83 MW
UT1_52GT1
3800 A
UT1_TR-1
100 MVA
13.2/69 kV
10.2 %Z
UT1_52G1
1250 A
UT1_GTG2
13.8 kV
83 MW
UT1_52GT2
3800 A
UT1_TR-2
100 MVA
13.2/69 kV
10.11 %Z
UT1_52G2
1250 A
UT1_52BT
2000 A
UT1_52P1
1250 A
UT1_R-52P1
UT1_TR-11
42 MVA
69/13.8 kV
8 %Z
UT1_52P2
1250 A
UT1_R-52P2
UT1_TR-12
42 MVA
69/13.8 kV
8 %Z
UT1_52P3
1250 A
UT1_R-52P3
UT1_TR-13
42 MVA
69/13.8 kV
8 %Z
UT1_52P4
1250 A
UT1_R-52P4
UT1_TR-14
42 MVA
69/13.8 kV
7.78 %Z
UT1_52P5
1250 A
UT1_R-52P5
UT1_TR-15
42 MVA
69/13.8 kV
8 %Z
UT1_52P6
1250 A
UT1_R-52P6
UT1_TR-16
42 MVA
69/13.8 kV
8 %Z
UT1_GIS_BUS-A
69 kV
UT1_GIS_BUS-B
69 kV
UT1_52GT1
UT1_R-52GT1
UT1_52GT2
UT1_R-52GT2
UT1_52G1
UT1_R-52G1
UT1_52G2
UT1_R-52G2
OL-1,NEUMIN,LLDPE
UT1_CG1,PP-1,HDPE-I
EG1,ASP1,UT1_CG2,SPVC
UT1_GTG3
13.8 kV
83 MW
UT1_52GT3
3800 A
UT1_TR-7
85 MVA
13.2/69 kV
10.07 %Z
UT1_52G7
1250 A
UT1_R-52G7
UT1_52P7
1250 A
UT1_R-52P7
UT1_TR-17
70 MVA
69/13.8 kV
8.92 %Z
UT1_52P8
1250 A
UT1_R-52P8
UT1_TR-18
70 MVA
69/13.8 kV
8.864 %Z
OL-2,PP-2,PE-2,FRAC-2
GT2_SUB-BUS-A
138 kV
GT2_SUB-BUS-B
138 kV
GT2_52-322
2000 A
GT2_52-323
2000 A
GT2_52-324
2000 A
GT2_52-319
2000 A
GT2_52-320
2000 A
GT2_52-321
2000 A
GT2_Cable1
Drake
46000 ft
AL
INTEPLAST
62.165 MVA
GT2_CB-316
2000 A
GT2_52-317
2000 A
GT2_52-318
2000 A
GT2_52-313
2000 A
GT2_52-314
2000 A
GT2_52-315
2000 A
GT2_52-311
2000 A
GT2_52-312
2000 A
TLine-3
Drake
20387 ft
AL
TLine-4
Drake
20387 ft
AL
UT2_GCB3001
2500 A
UT2_GCB3002
2500 A
UT2_SUB-BUS-A
138 kV
UT2_SUB-BUS-B
138 kV
UT2_CB3003
2500 A
UT2_GCB1001
2000 A
UT2_GCB2001
2000 A
UT2_GCB2002
2000 A
UT2_GCB1002
2000 A
UT2_GCB2003
2000 A
UT2_GCB2004
2000 A
UT2_P6-GCB1001
UT2_P6-GCB2001
UT2_P6-GCB2002
UT2_P6-GCB1002
UT2_R-GCB2003
UT2_R-GCB2004
UT2_TR1001
112 MVA
138/13.8 kV
11.97 %Z
UT2_TR2001
50 MVA
138/13.8 kV
9.34 %Z
UT2_TR2002
50 MVA
138/13.8 kV
9.41 %Z
UT2_TR1002
112 MVA
138/13.8 kV
12 %Z
UT2_TR2003
75 MVA
138/13.8 kV
12.39 %Z
UT2_TR2004
75 MVA
138/13.8 kV
12.36 %Z
CFB-PLANT
EG2,ASP2
UT2_R-25TG1
UT2_CB-25TG1
0 A
UT2_25TG1
13.8 kV
155 MW
UT2_R-25TG2
UT2_CB-25TG2
0 A
UT2_25TG2
13.8 kV
155 MW
UT3_SUB-BUS-A
69 kV
UT3_SUB-BUS-B
69 kV
UT3_TR31
150 MVA
138/69 kV
15.28 %Z
UT3_TR32
150 MVA
138/69 kV
15 %Z
UT3_TR33
50 MVA
13.2/69 kV
10.13 %Z
UT3_TR34
120 MVA
13.2/69 kV
10.19 %Z
UT3_TR35
120 MVA
13.2/69 kV
10.19 %Z
UT3_R-CB31
UT3_R-CB32
UT3_R-CB33
UT3_R-CB34
UT3_R-CB35
UT3_CB31
2500 A
UT3_CB32
2500 A
UT3_CB33
2500 A
UT3_CB34
2500 A
UT3_CB35
2500 A
UT3_CB36
2500 A
UT3_CB37
2500 A
UT3_CB38
2500 A
UT3_CB30
2500 A
UT3_3GTG1
13.8 kV
300.3 MW
UT3_3GTG2
13.8 kV
300.3 MW
UT3_CB33G
5500 A
UT3_CB34G
5500 A
UT3_CB35G
5500 A
UT3_CB39
2500 A
UT3_CB3A
2500 A
UT3_CB3B
2500 A
UT3_CB3C
2500 A
UT3_CB3D
2500 A
UT3_CB3E
2500 A
UT3_CB3F
2500 A
UT3_CB3G
2500 A
UT3_CB3H
2500 A
UT3_R-CB39
UT3_R-CB3A
UT3_R-CB3B
UT3_R-CB3C
UT3_R-CB3D
UT3_R-CB3E
UT3_R-CB3F
UT3_R-CB3G
UT3_TR3A
75 MVA
69/13.8 kV
11 %Z
UT3_TR3B
75 MVA
69/13.8 kV
11 %Z
UT3_TR3C
75 MVA
69/13.8 kV
11 %Z
UT3_TR3D
75 MVA
69/13.8 kV
11 %Z
OL3,UT3,PP3,FDEMIN
PE3,PDH,LDPE
LDPE-MTRS
UT4_GTG1
13.8 kV
83 MW
UT4_GTG2
13.8 kV
83 MW
UT4_GTG3
13.8 kV
83 MW
UT4_GTG4
13.8 kV
83 MW
UT4_GTG5
13.8 kV
83 MW
UT4_GTG6
13.8 kV
85.85 MW
UT4_52GT1
3800 A
UT4_52GT2
3800 A
UT4_52GT3
3800 A
UT4_52GT4
3800 A
UT4_52GT5
3800 A
UT4_52GT6
5000 A
UT4_TR-1
100 MVA
13.2/69 kV
10.3 %Z
UT4_TR-2
100 MVA
13.2/69 kV
10.16 %Z
UT4_TR-3
100 MVA
13.2/69 kV
10.29 %Z
UT4_TR-4
100 MVA
13.2/69 kV
10.16 %Z
UT4_TR-5
100 MVA
13.2/69 kV
10.29 %Z
UT4_TR-6
42 MVA
69/13.8 kV
8.21 %Z
UT4_52G1
1250 A
UT4_R-52G1
UT4_52G2
1250 A
UT4_R-52G2
UT4_52G3
1250 A
UT4_R-52G3
UT4_52G4
1250 A
UT4_R-52G4
UT4_52G5
1250 A
UT4_R-52G5
UT4_52G6
1250 A
UT4_R-52G6
UT4_52G7
3000 A
UT4_R-52G7
UT4_TR-7
70 MVA
13.2/69 kV
9.86 %Z
UT4_TR-8
70 MVA
13.2/69 kV
9.86 %Z
UT4_TR-9
120 MVA
13.2/69 kV
10.14 %Z
UT4_52G8
1250 A
UT4_R-52G8
UT4_52G9
1250 A
UT4_R-52G9
UT4_52G10
1250 A
UT4_R-52G10
UT4_CBL-IEM
3-1/C 1250
1500 ft
CU
IEM/R-C
UT4_TR1
150 MVA
138/69 kV
15.28 %Z
UT4_TR2
150 MVA
138/69 kV
15 %Z
UT4_CB1
1250 A
UT4_R-CB1
UT4_CB2
1250 A
UT4_R-CB2
UT4_SUB-BUS-A
69 kV
UT4_SUB-BUS-B
69 kV
UT4_52BT1
2500 A
UT4_52P1
1250 A
UT4_R-52P1
UT4_52P2
1250 A
UT4_R-52P2
UT4_52P3
1250 A
UT4_R-52P3
UT4_52P4
1250 A
UT4_R-52P4
UT4_Cable1
6-1/C 750
2031 ft
CU
UT4_Cable2
6-1/C 750
2031 ft
CU
UT4_Cable3
6-1/C 750
2031 ft
CU
UT4_Cable4
6-1/C 750
2031 ft
CU
CA/EOC
EXISTING 69KV GIS WAS OVERDUTEID WITH 31.5KA RATING. PROPOED OVING (6) GENERATOR UNIT OVER TO NEW GIS AS SHOWN
PROPOSED NEW 69KV GIS. NEW GIS WILL HAVE (6) GENERATOR UNITS SHOWN MOVED OVER FROM EXISTING 69KV GIS ON LEFT. NEW UTILITY SOURCES WILL BE ADDED TO LINEUP AS SHOWN. NEW LINEUP WILL BE 63KA RATED
NEW UTILITY SOURCES FROM ON-SITE 138KV SUBSTATION
GENERTORS MOVED OVER FROM EXISTING 69KV GIS.