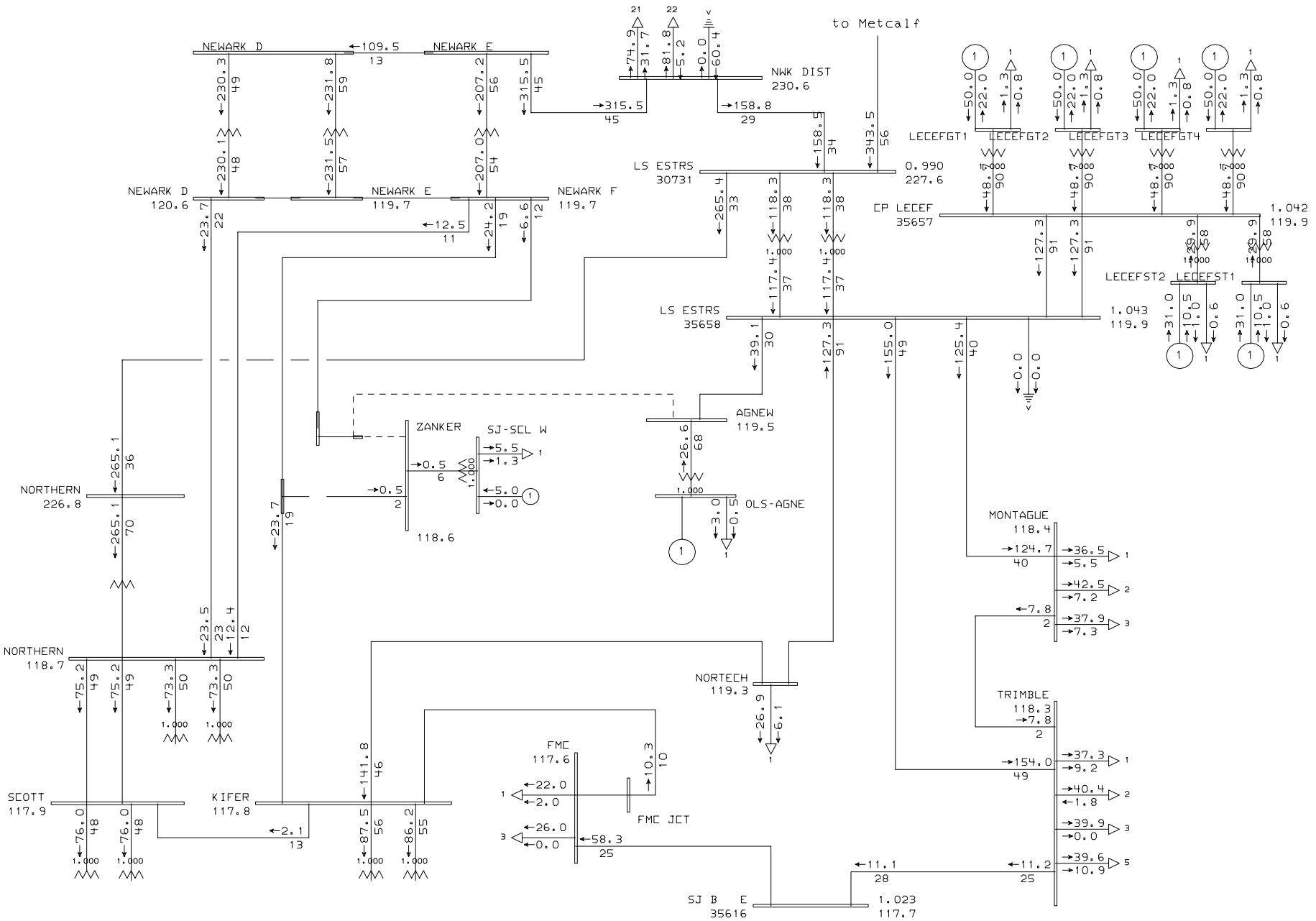
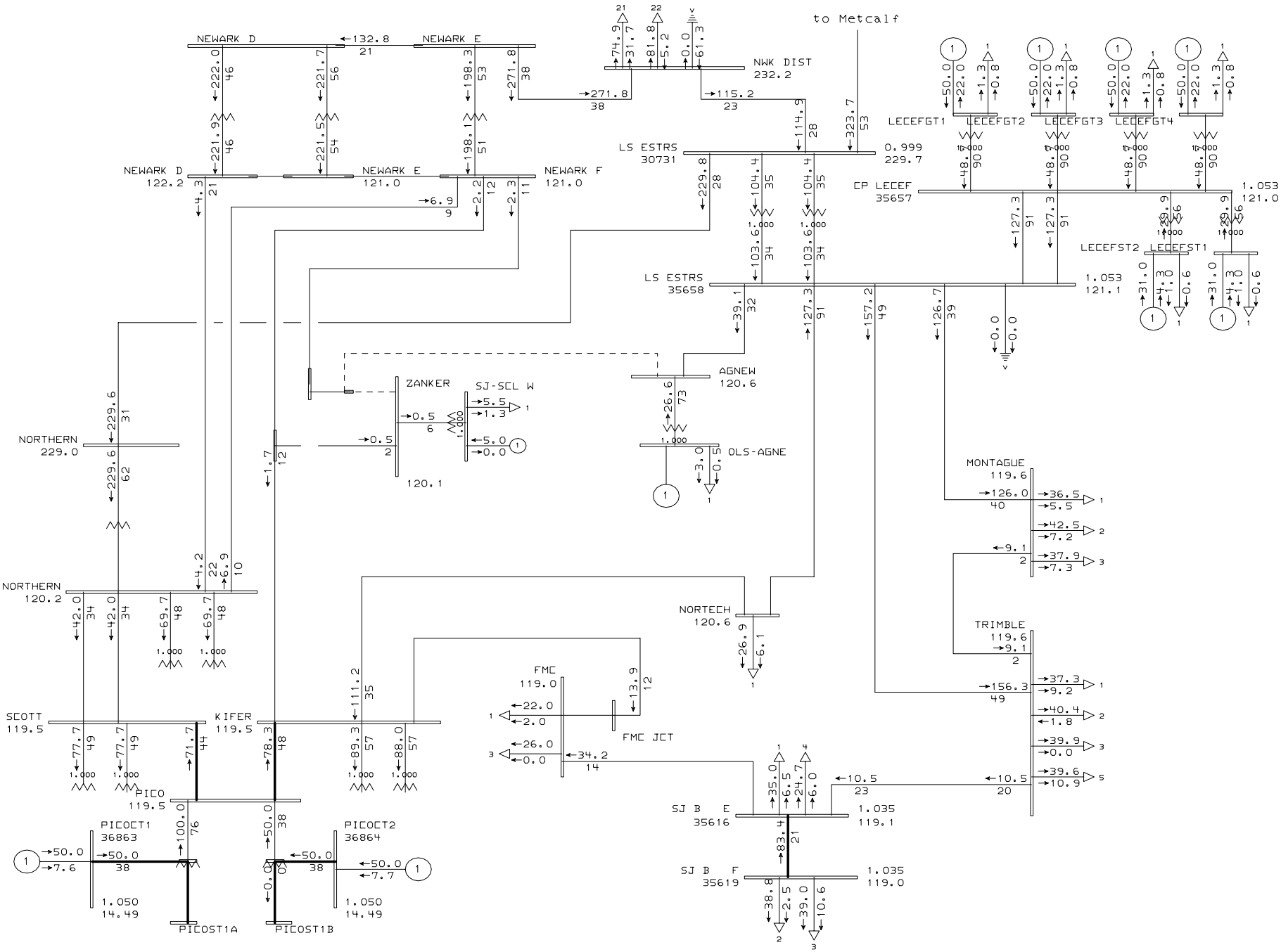
Appendix III

Table 1 Outage Plots


NEWARK D
120.6
NEWARK E
119.7
NEWARK F
119.7
NWK DIST
230.6
to Metcalf
LS ESTRS
30731
0.990
227.6
LECEFGT1
LECEFGT2
LECEFGT3
LECEFGT4
CP LECEF
35657
1.042
119.9
LECEFST2
LECEFST1
LS ESTRS
35658
1.043
119.9
ZANKER
118.6
SJ-SCL W
AGNEW
119.5
OLS-AGNE
NORTHERN
226.8
NORTHERN
118.7
SCOTT
117.9
KIFER
117.8
NORTECH
119.3
FMC
117.6
FMC JCT
MONTAGUE
118.4
TRIMBLE
118.3
SJ B E
35616
1.023
117.7



General Electric International, Inc. PSLF Program MW/Pct Mon Sep 16 12:06:38 2002

PG&E 2002 TRANSMISSION ASSESSMENT STUDY: 2004 SUMMER PEAK AREA 7/8 FL CASE
PATH15=1441MW (S-N) PATH26=2960MW (N-S) PDCI=3132MW (N-S) COI=3751NW (N-S)
PICO POWER PLANT (150 MW) - 2004 SUMMER PEAK POST-PROJECT CASE

Los Esteros - Northern 230 kV line modeled (hs04_pico_pstA.sav)
BASE CASE

C:\PSLF_work\Projects\Pico\svp
C:\PSLF_work\Projects\Pico\hs0
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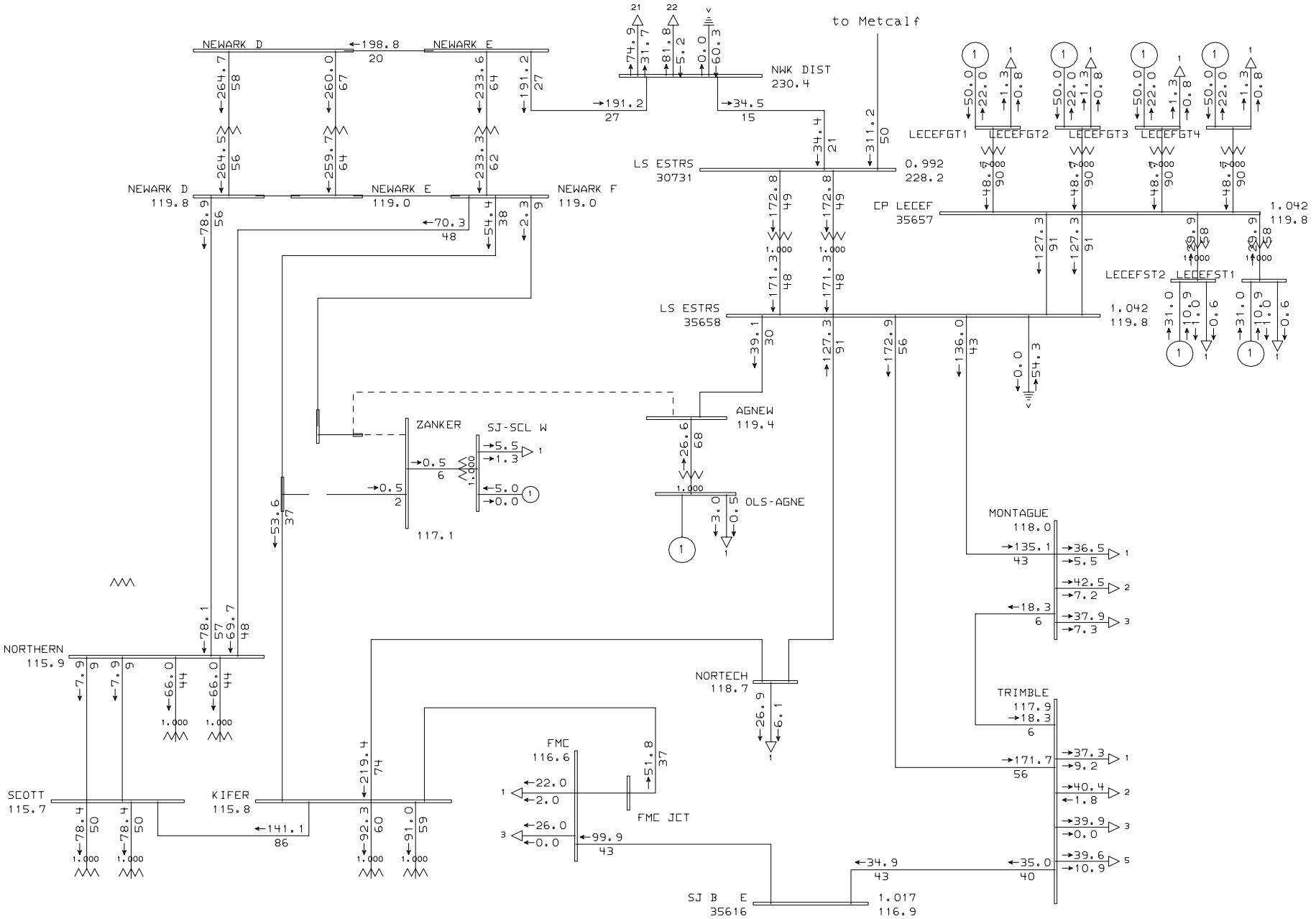
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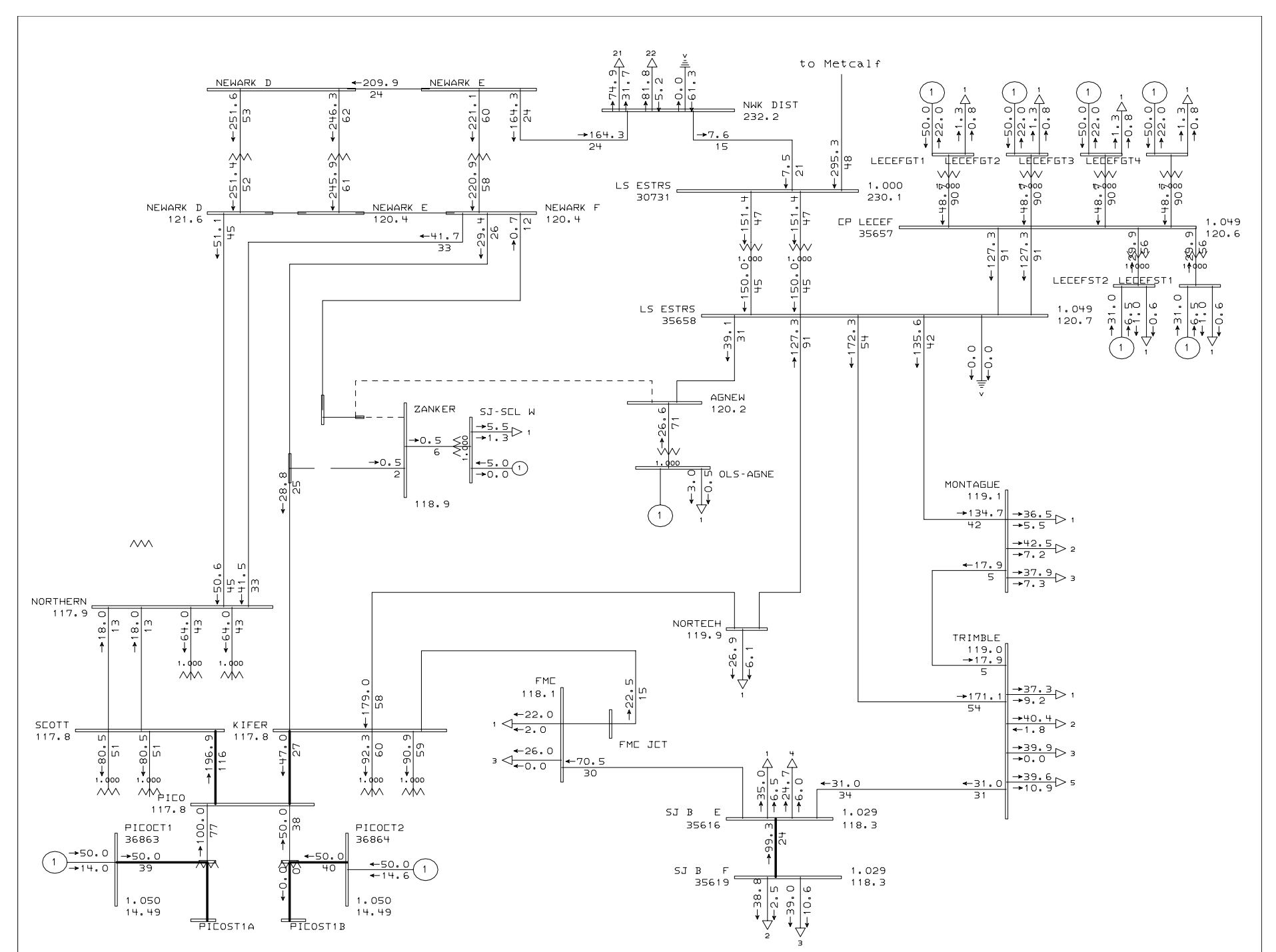
20
NEWARK E
264.7
58
260.0
67
233.6
64
191.2
27
264.5
56
259.7
64
233.3
62
NEWARK D
119.8
NEWARK E
119.0
NEWARK F
119.0
78.9
56
70.3
48
54.4
38
2.3
9
21
22
74.9
31.7
81.8
5.2
0.0
60.3
NWK DIST
230.4
191.2
27
34.5
15
to Metcalf
34.4
21
311.2
50
LS ESTRS
30731
0.992
228.2
LECEFGT1
LECEFGT2
LECEFGT3
LECEFGT4
50.0
22.0
1.3
0.8
48.7
90
CP LECEF
35657
1.042
119.8
172.8
49
1.000
171.3
48
127.3
91
29.9
58
LECEFST2
LECEFST1
31.0
10.9
1.0
0.6
LS ESTRS
35658
1.042
119.8
39.1
30
127.3
91
172.9
56
136.0
43
0.0
54.3
AGNEW
119.4
26.6
68
ZANKER
SJ-SCL W
0.5
6
0.5
2
5.5
1.3
5.0
0.0
117.1
53.6
37
OLS-AGNE
3.0
0.5
MONTAGUE
118.0
135.1
43
36.5
5.5
42.5
7.2
18.3
6
37.9
7.3
NORTHERN
115.9
78.1
57
69.7
48
7.9
9
66.0
44
NORTECH
118.7
26.9
6.1
TRIMBLE
117.9
18.3
6
171.7
56
37.3
9.2
40.4
1.8
39.9
0.0
39.6
10.9
35.0
40
FMC
116.6
219.4
74
51.8
37
22.0
2.0
26.0
0.0
99.9
43
FMC JCT
SCOTT
115.7
KIFER
115.8
78.4
50
141.1
86
92.3
60
91.0
59
34.9
43
SJ B E
35616
1.017
116.9

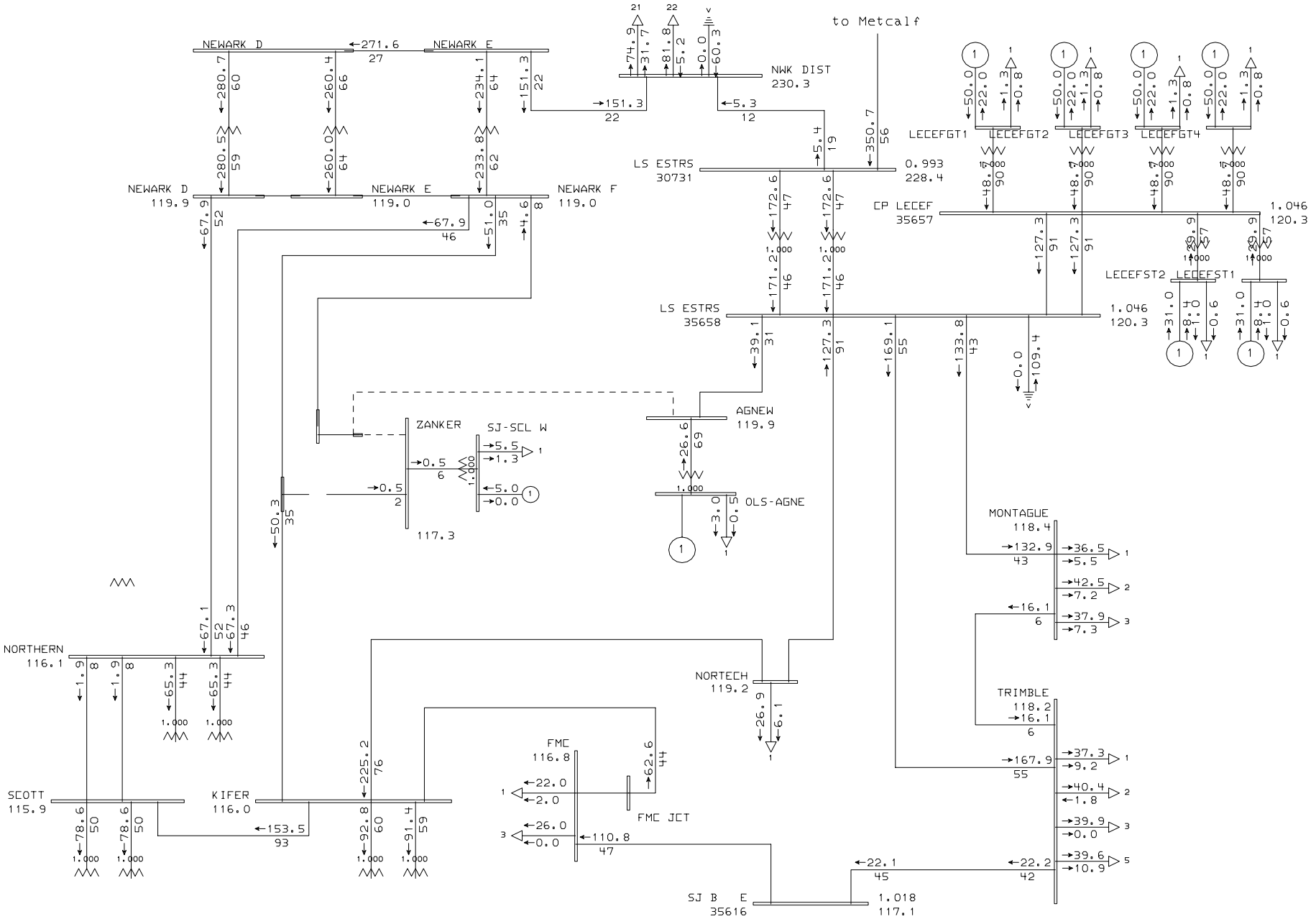


General Electric International, Inc. PSLF Program MW/Pct Mon Sep 16 12:16:07 2002

PG&E 2002 TRANSMISSION ASSESSMENT STUDY: 2004 SUMMER PEAK AREA 7/8 FL CASE
PATH15=1441MW (S-N) PATH26=2960MW (N-S) PDCI=3132MW (N-S) COI=3751NW (N-S)
PICO POWER PLANT (150 MW) - 2004 SUMMER PEAK POST-PROJECT CASE

Los Esteros - Northern 230 kV line NOT modeled (hs04_pico_pstB.sav)
BASE CASE

C:\PSLF_work\Projects\Pico\svp
C:\PSLF_work\Projects\Pico\hs0
Rating = 1



General Electric International, Inc. PSLF Program MW/Pct Mon Sep 16 12:16:25 2002

PG&E 2002 TRANSMISSION ASSESSMENT STUDY: 2004 SUMMER PEAK AREA 7/8 FL CASE
PATH15=1441MW (S-N) PATH26=2960MW (N-S) PDCI=3132MW (N-S) COI=3751NW (N-S)
PICO POWER PLANT (150 MW) - 2004 SUMMER PEAK PRE-PROJECT CASE

Los Esteros - Northern 230 kV line NOT modeled (hs04_pico_preB.sav)
RCEE CT #1 and ST #1 Trip

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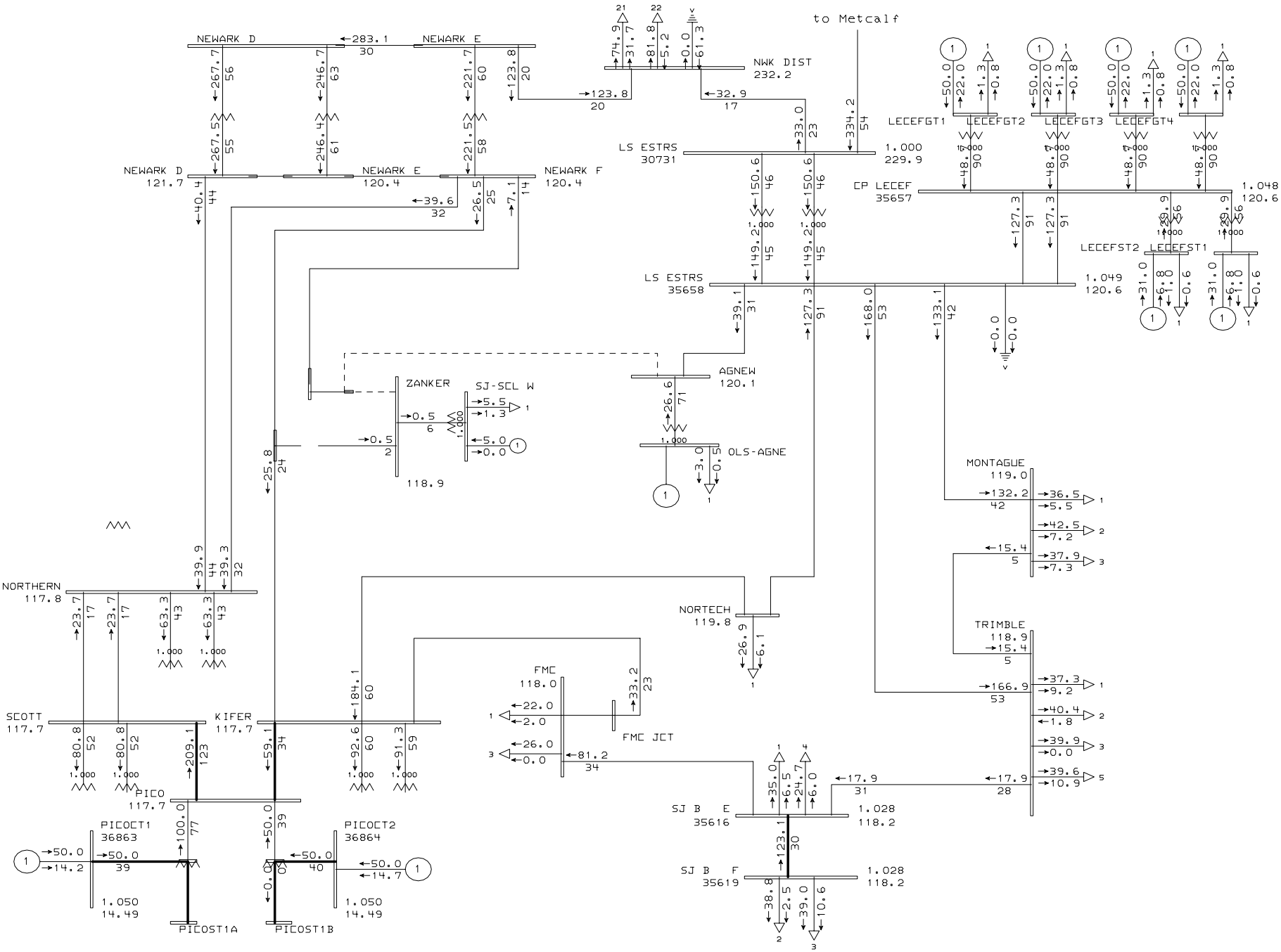
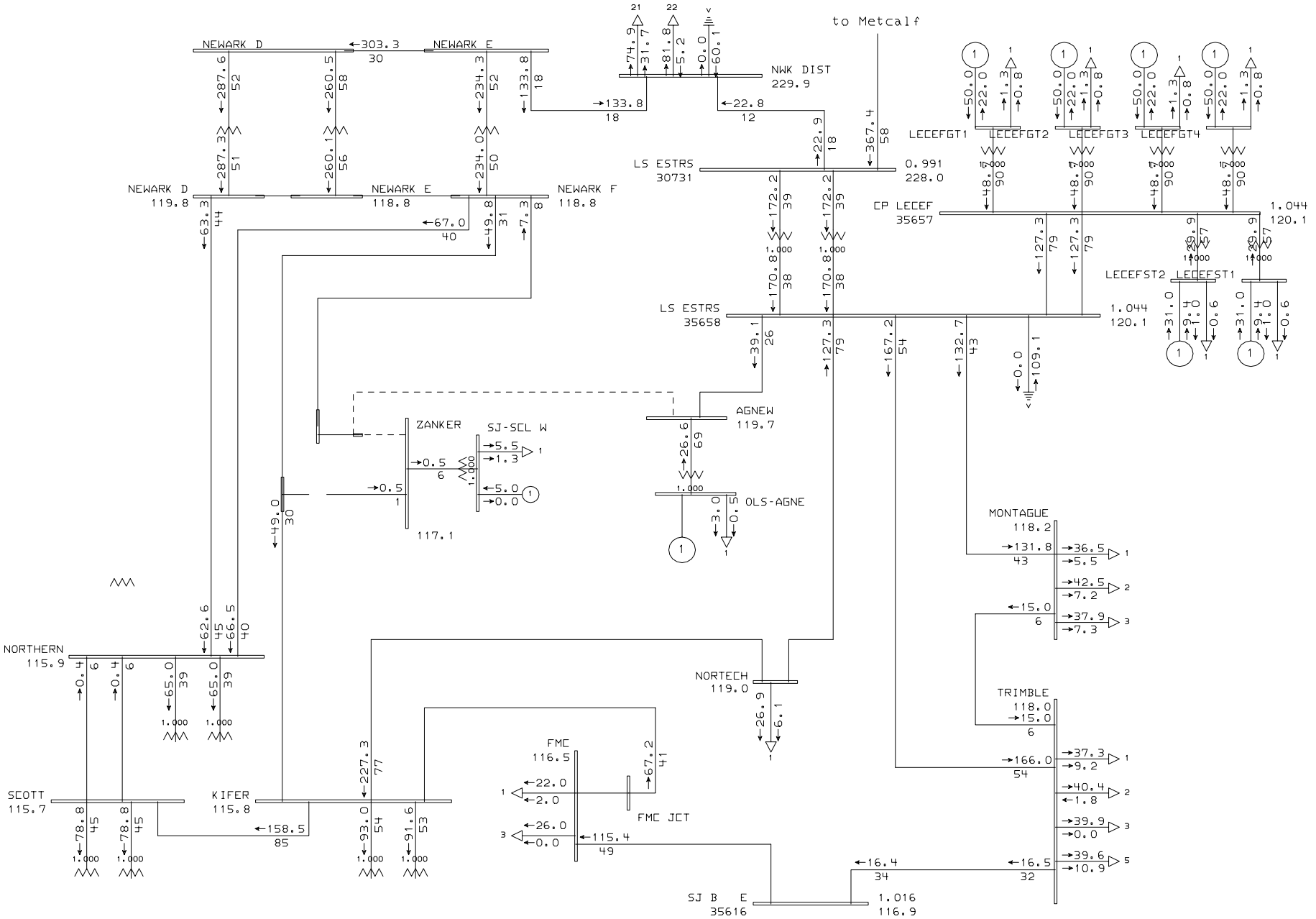
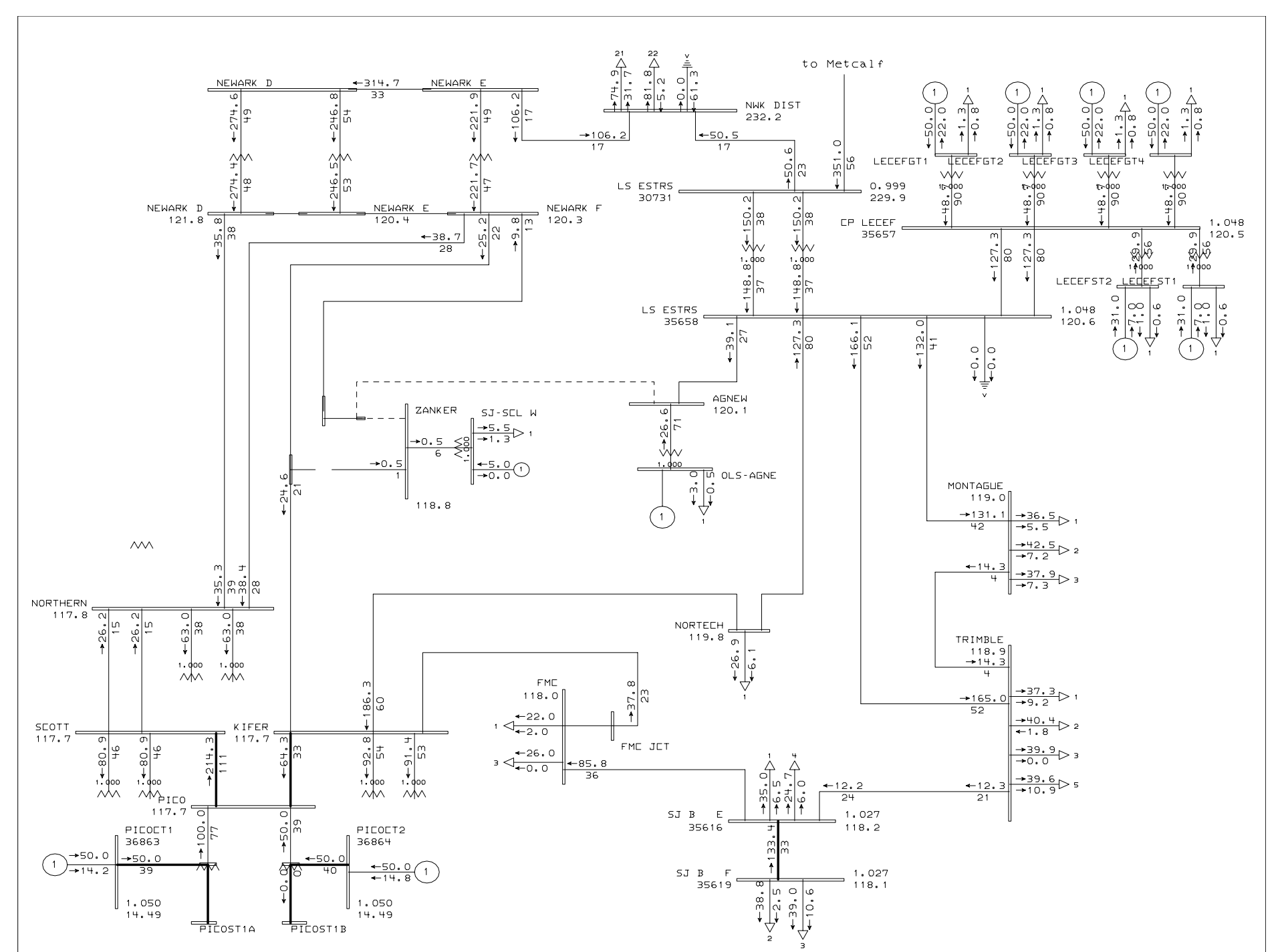
C:\PSLF_work\Projects\Pico\hs0
Rating = 1


NEWARK D
NEWARK E
NEWARK F
NEWARK D
121.7
NEWARK E
120.4
NEWARK F
120.4
NWK DIST
232.2
to Metcalf
LS ESTRS
30731
LS ESTRS
35658
CP LECEF
35657
1.000
229.9
1.048
120.6
1.049
120.6
LECEFGT1
LECEFGT2
LECEFGT3
LECEFGT4
LECEFST1
LECEFST2
ZANKER
118.9
SJ-SCL W
AGNEW
120.1
OLS-AGNE
MONTAGUE
119.0
TRIMBLE
118.9
NORTHERN
117.8
NORTECH
119.8
SCOTT
117.7
KIFER
117.7
PICO
117.7
FMC
118.0
FMC JCT
SJ B E
35616
1.028
118.2
SJ B F
35619
1.028
118.2
PICOCT1
36863
PICOCT2
36864
1.050
14.49
1.050
14.49
PICOST1A
PICOST1B


NEWARK D
NEWARK E
NEWARK F
NEWARK D
119.8
NEWARK E
118.8
NEWARK F
118.8
NWK DIST
229.9
to Metcalf
LS ESTRS
30731
0.991
228.0
LECEFGT1
LECEFGT2
LECEFGT3
LECEFGT4
CP LECEF
35657
1.044
120.1
LECEFST2
LECEFST1
LS ESTRS
35658
1.044
120.1
ZANKER
117.1
SJ-SCL W
AGNEW
119.7
OLS-AGNE
MONTAGUE
118.2
NORTHERN
115.9
NORTECH
119.0
TRIMBLE
118.0
SCOTT
115.7
KIFER
115.8
FMC
116.5
FMC JCT
SJ B E
35616
1.016
116.9



General Electric International, Inc. PSLF Program MW/Pct Mon Sep 16 12:17:15 2002

PG&E 2002 TRANSMISSION ASSESSMENT STUDY: 2004 SUMMER PEAK AREA 7/8 FL CASE
PATH15=1441MW (S-N) PATH26=2960MW (N-S) PDCI=3132MW (N-S) COI=3751NW (N-S)
PICO POWER PLANT (150 MW) - 2004 SUMMER PEAK POST-PROJECT CASE

Los Esteros - Northern 230 kV line NOT modeled (hs04_pico_pstB.sav)
REEE CT #1, #2 and ST #1 Trip

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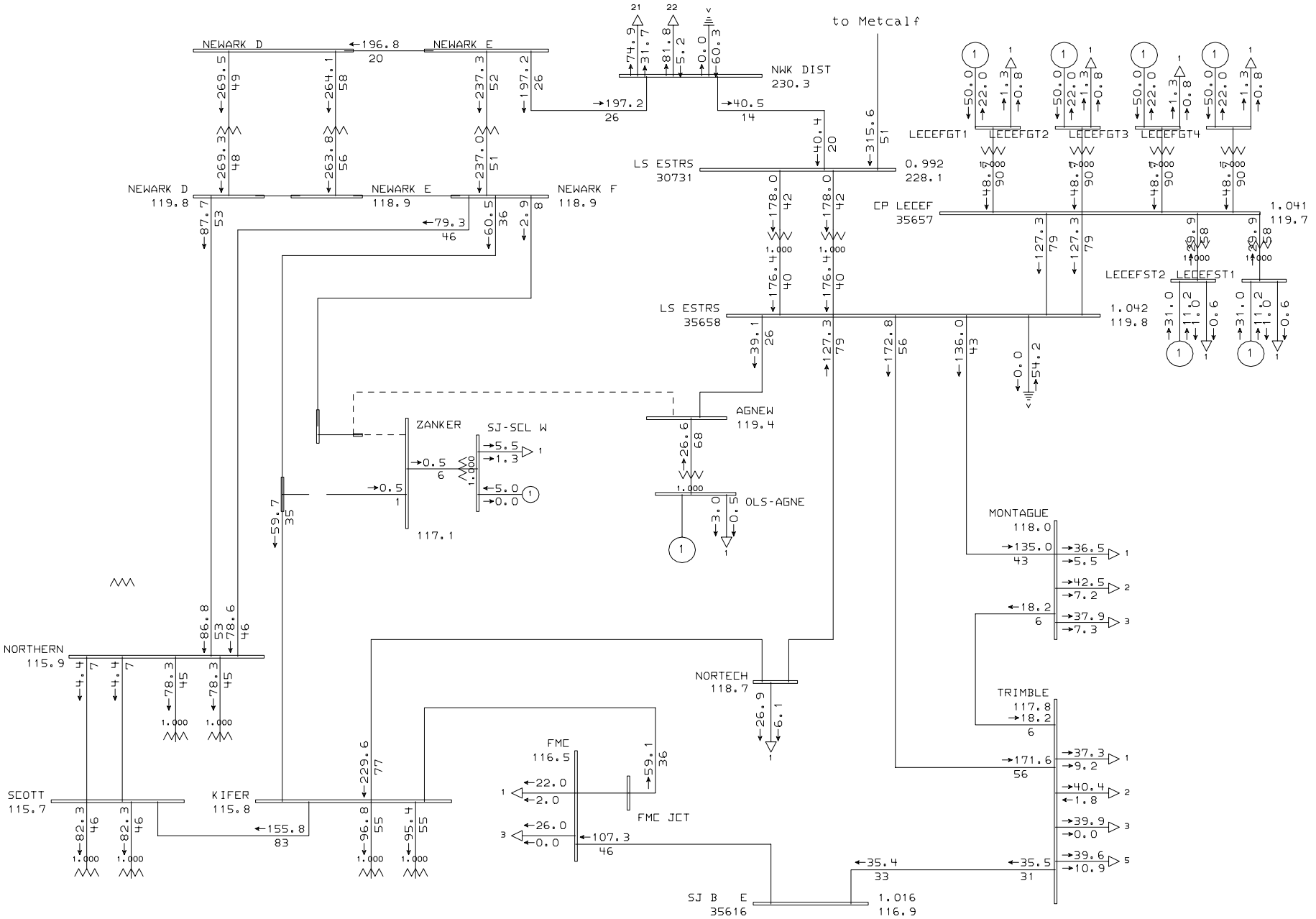
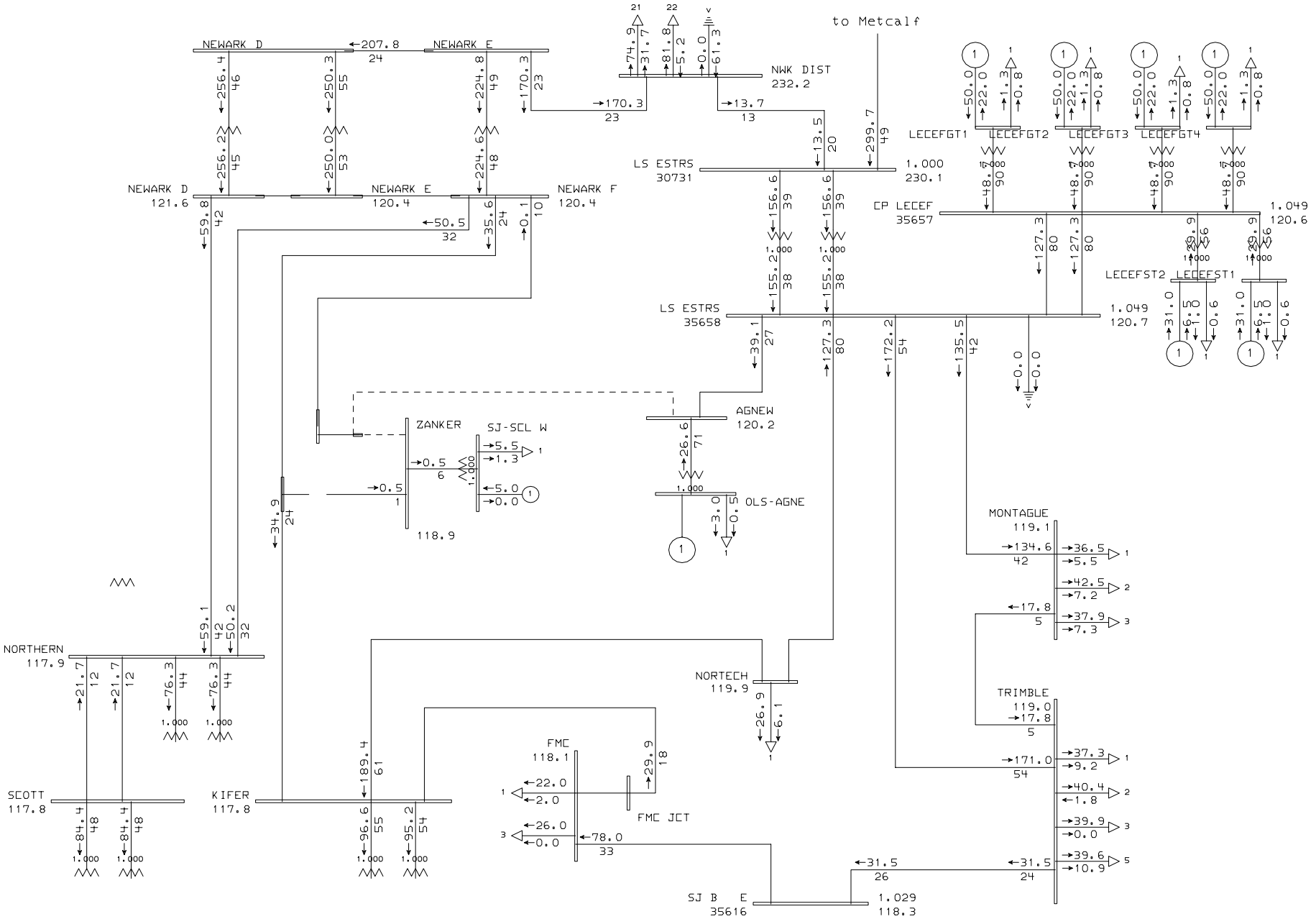
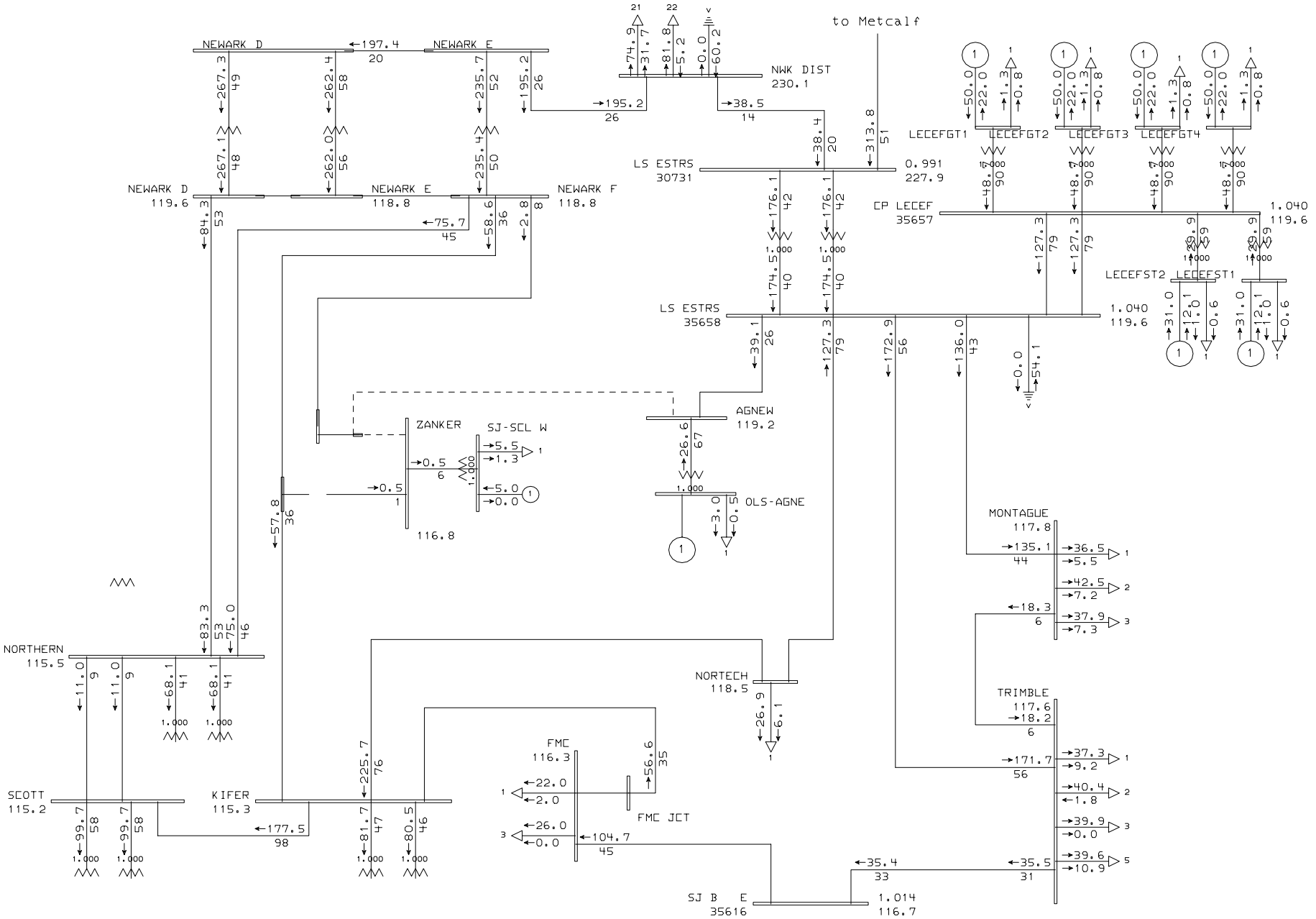
C:\PSLF_work\Projects\Pico\hs0
Rating = 2


NEWARK D
NEWARK E
NEWARK F
NEWARK D
119.8
NEWARK E
118.9
NEWARK F
118.9
NWK DIST
230.3
to Metcalf
LS ESTRS
30731
0.992
228.1
LECEFGT1
LECEFGT2
LECEFGT3
LECEFGT4
CP LECEF
35657
1.041
119.7
LECEFST2
LECEFST1
LS ESTRS
35658
1.042
119.8
AGNEW
119.4
ZANKER
SJ-SCL W
117.1
OLS-AGNE
MONTAGUE
118.0
NORTHERN
115.9
NORTECH
118.7
TRIMBLE
117.8
SCOTT
115.7
KIFER
115.8
FMC
116.5
FMC JCT
SJ B E
35616
1.016
116.9


to Metcalf
NEWARK D
121.6
NEWARK E
120.4
NEWARK F
120.4
207.8
24
NWK DIST
232.2
LS ESTRS
30731
1.000
230.1
LECEFGT1
LECEFGT2
LECEFGT3
LECEFGT4
CP LECEF
35657
1.049
120.6
LECEFST2
LECEFST1
LS ESTRS
35658
1.049
120.7
AGNEW
120.2
ZANKER
118.9
SJ-SCL W
OLS-AGNE
MONTAGUE
119.1
TRIMBLE
119.0
NORTECH
119.9
NORTHERN
117.9
SCOTT
117.8
KIFER
117.8
FMC
118.1
FMC JCT
SJ B E
35616
1.029
118.3

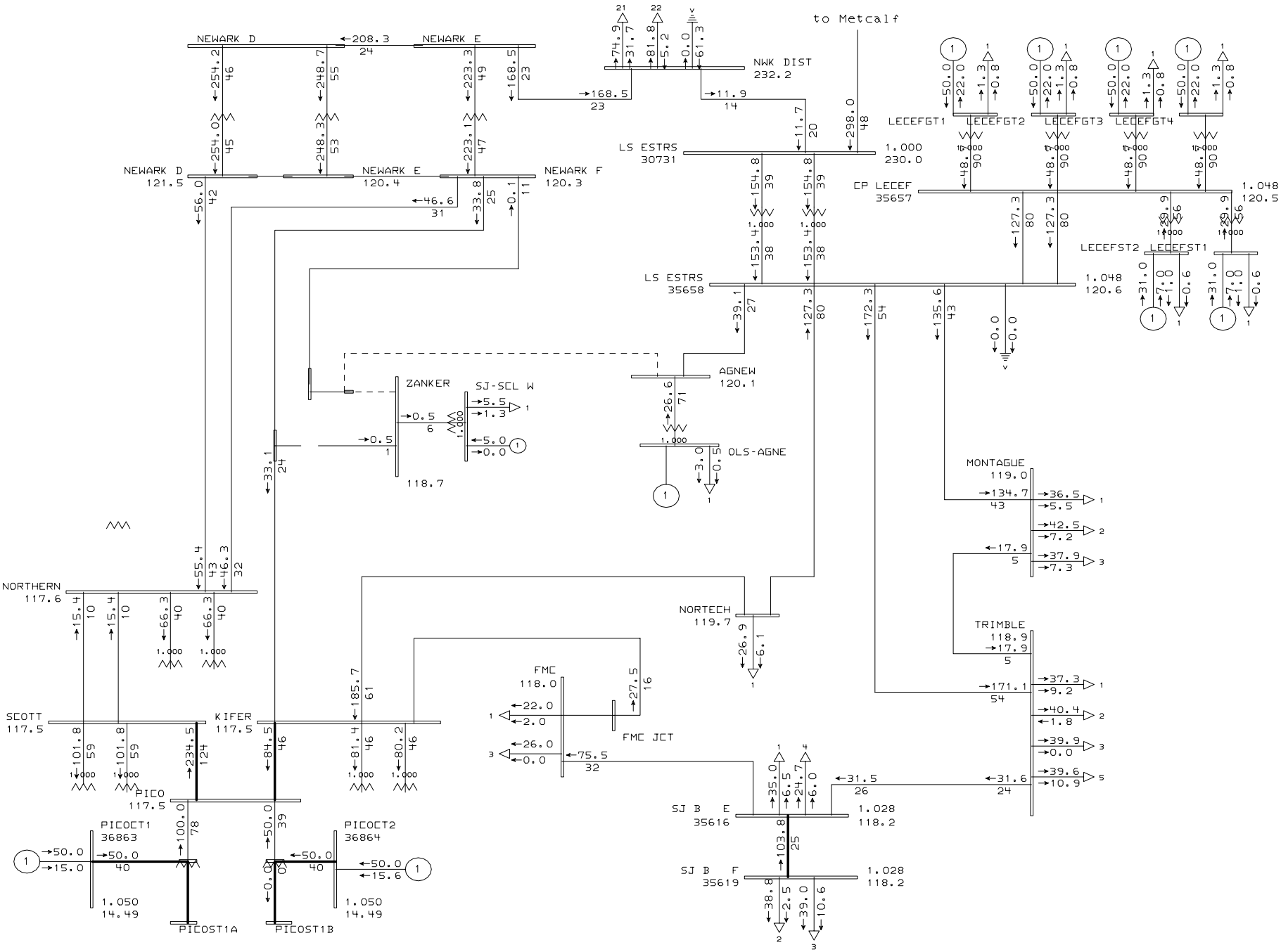


General Electric International, Inc. PSLF Program MW/Pct Mon Sep 16 12:17:27 2002

PG&E 2002 TRANSMISSION ASSESSMENT STUDY: 2004 SUMMER PEAK AREA 7/8 FL CASE
PATH15=1441MW (S-N) PATH26=2960MW (N-S) PDCI=3132MW (N-S) COI=3751NW (N-S)
PICO POWER PLANT (150 MW) - 2004 SUMMER PEAK PRE-PROJECT CASE

Los Esteros - Northern 230 kV line NOT modeled (hs04_pico_preB.sav)
CCA - Kifer 60 kV and CCA Gen

C:\PSLF_work\Projects\Pico\svp
C:\PSLF_work\Projects\Pico\hs0
Rating = 2

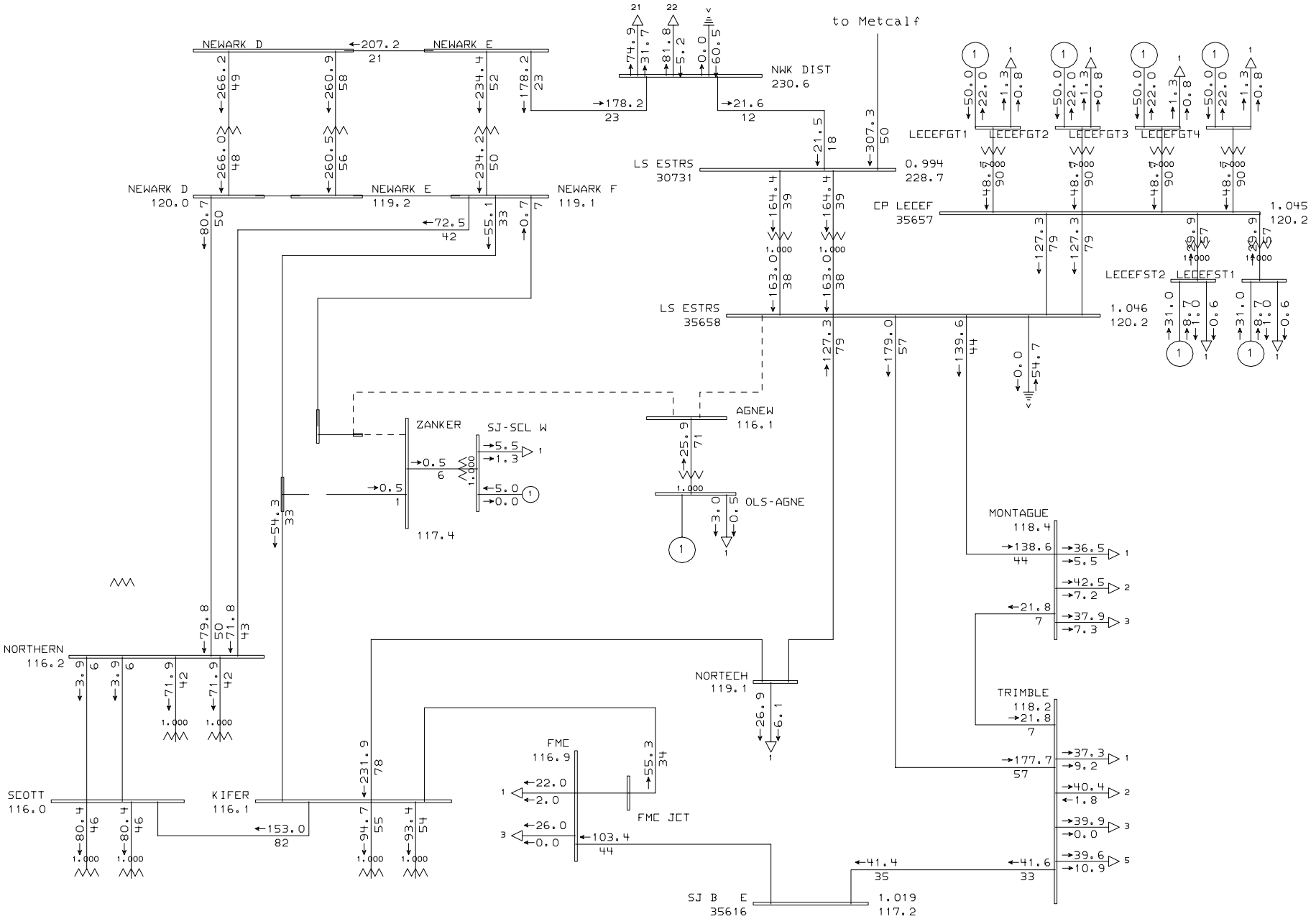


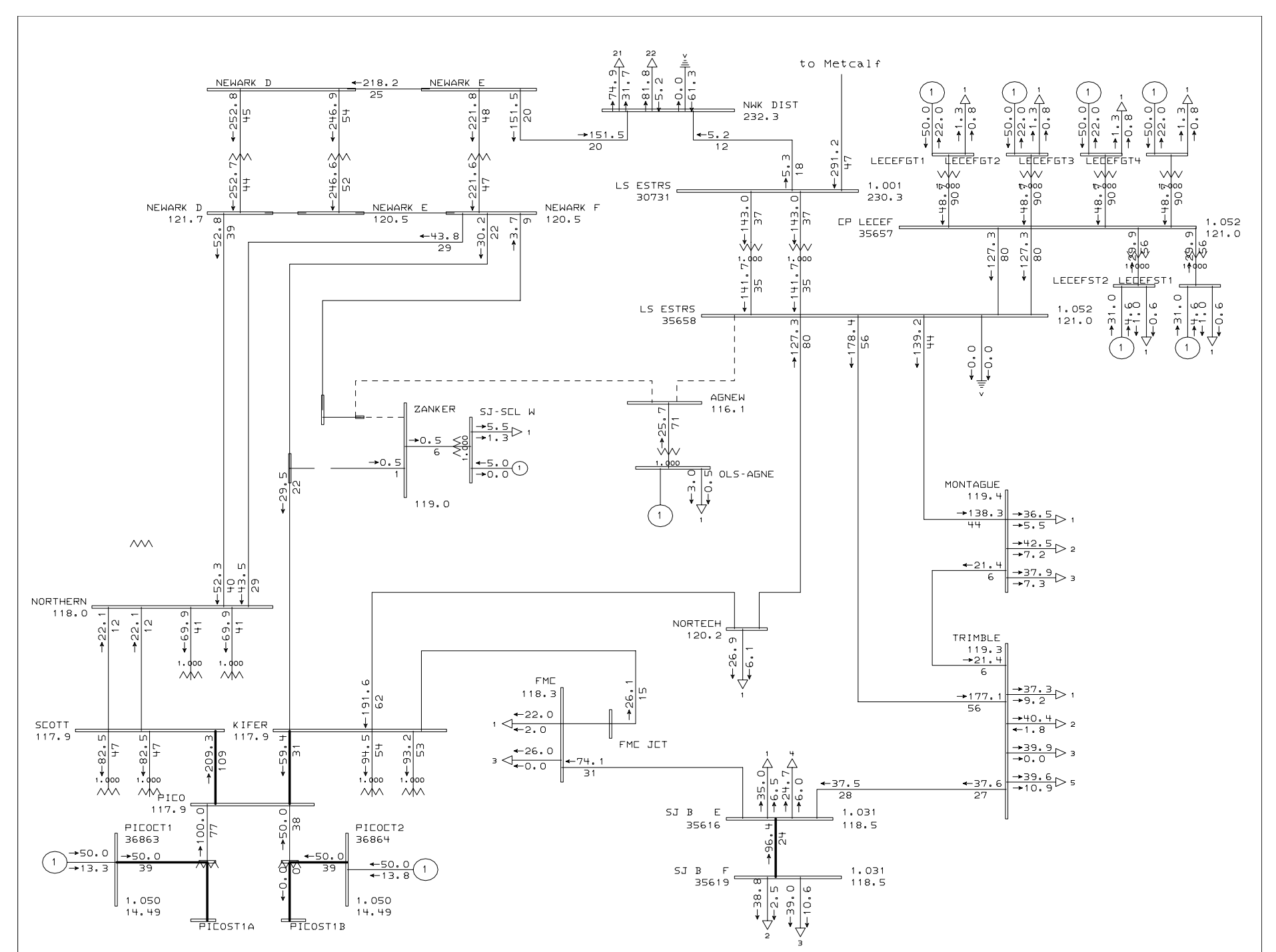
General Electric International, Inc. PSLF Program MW/Pct Mon Sep 16 12:17:32 2002

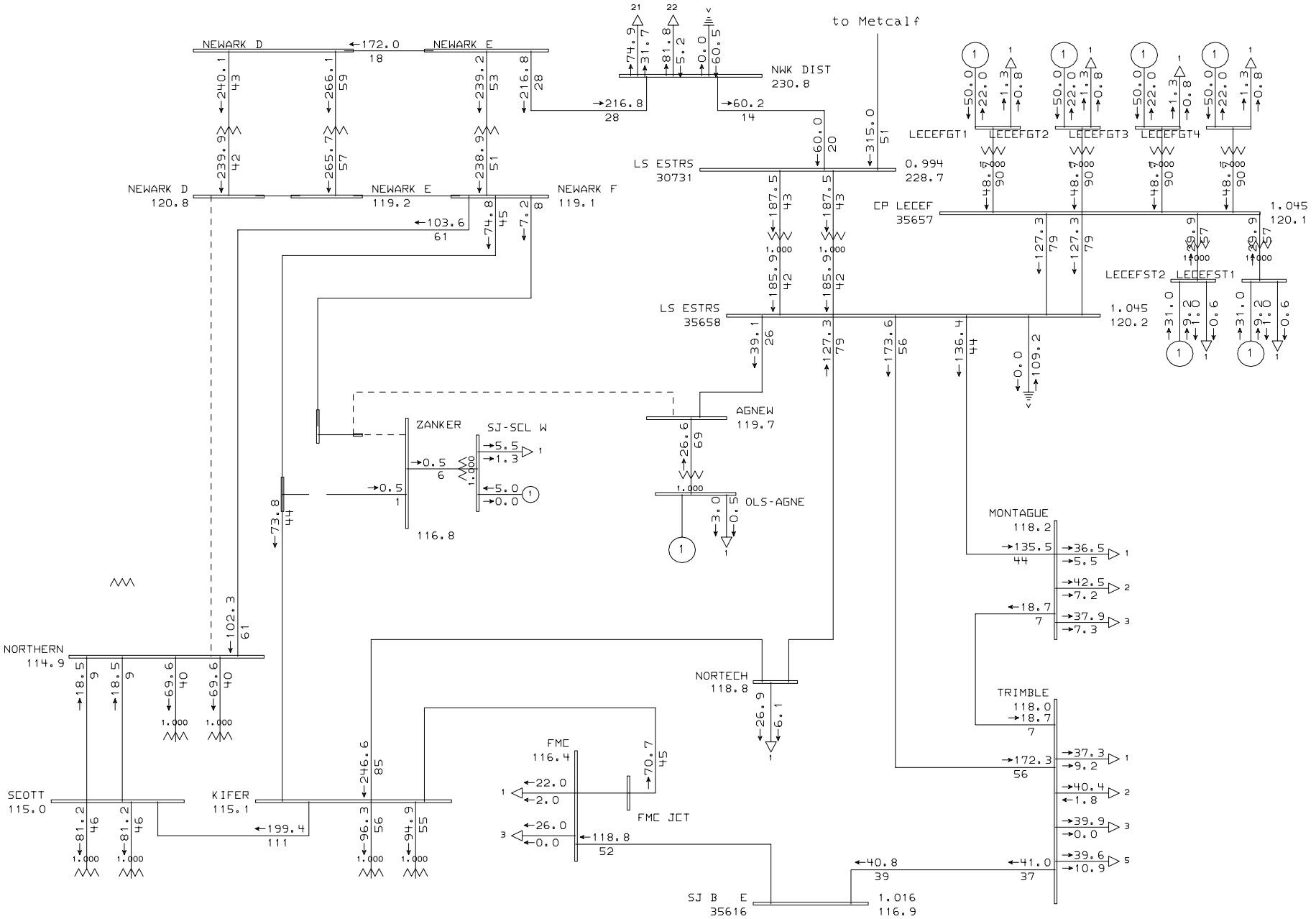
PG&E 2002 TRANSMISSION ASSESSMENT STUDY: 2004 SUMMER PEAK AREA 7/8 FL CASE
PATH15=1441MW (S-N) PATH26=2960MW (N-S) PDCI=3132MW (N-S) COI=3751NW (N-S)
PICO POWER PLANT (150 MW) - 2004 SUMMER PEAK POST-PROJECT CASE

Los Esteros - Northern 230 kV line NOT modeled (hs04_pico_pstB.sav)
CCA - Kifer 60 kV and CCA Gen

C:\PSLF_work\Projects\Pico\svp
C:\PSLF_work\Projects\Pico\hs0
Rating = 2


NEWARK D
120.0
NEWARK E
119.2
NEWARK F
119.1
NWK DIST
230.6
to Metcalf
LS ESTRS
30731
0.994
228.7
LECEFGT1
LECEFGT2
LECEFGT3
LECEFGT4
CP LECEF
35657
1.045
120.2
LECEFST2
LECEFST1
LS ESTRS
35658
1.046
120.2
ZANKER
117.4
SJ-SCL W
AGNEW
116.1
OLS-AGNE
MONTAGUE
118.4
NORTHERN
116.2
NORTECH
119.1
TRIMBLE
118.2
SCOTT
116.0
KIFER
116.1
FMC
116.9
FMC JCT
SJ B E
35616
1.019
117.2


NEWARK D
NEWARK E
NEWARK D
121.7
NEWARK E
120.5
NEWARK F
120.5
NWK DIST
232.3
to Metcalf
LS ESTRS
30731
1.001
230.3
LECEFGT1
LECEFGT2
LECEFGT3
LECEFGT4
CP LECEF
35657
1.052
121.0
LECEFST2
LECEFST1
LS ESTRS
35658
1.052
121.0
ZANKER
119.0
SJ-SCL W
AGNEW
116.1
OLS-AGNE
MONTAGUE
119.4
TRIMBLE
119.3
NORTHERN
118.0
NORTECH
120.2
SCOTT
117.9
KIFER
117.9
FMC
118.3
FMC JCT
PICO
117.9
PICOCT1
36863
PICOCT2
36864
1.050
14.49
PICOST1A
PICOST1B
SJ B E
35616
1.031
118.5
SJ B F
35619
1.031
118.5



General Electric International, Inc. PSLF Program MW/Pct Mon Sep 16 12:17:51 2002

PG&E 2002 TRANSMISSION ASSESSMENT STUDY: 2004 SUMMER PEAK AREA 7/8 FL CASE
PATH15=1441MW (S-N) PATH26=2960MW (N-S) PDCI=3132MW (N-S) COI=3751NW (N-S)
PICO POWER PLANT (150 MW) - 2004 SUMMER PEAK PRE-PROJECT CASE

Los Esteros - Northern 230 kV line NOT modeled (hs04_pico_preB.sav)
Newark - Northernt #1 115 kV and SVP CCA

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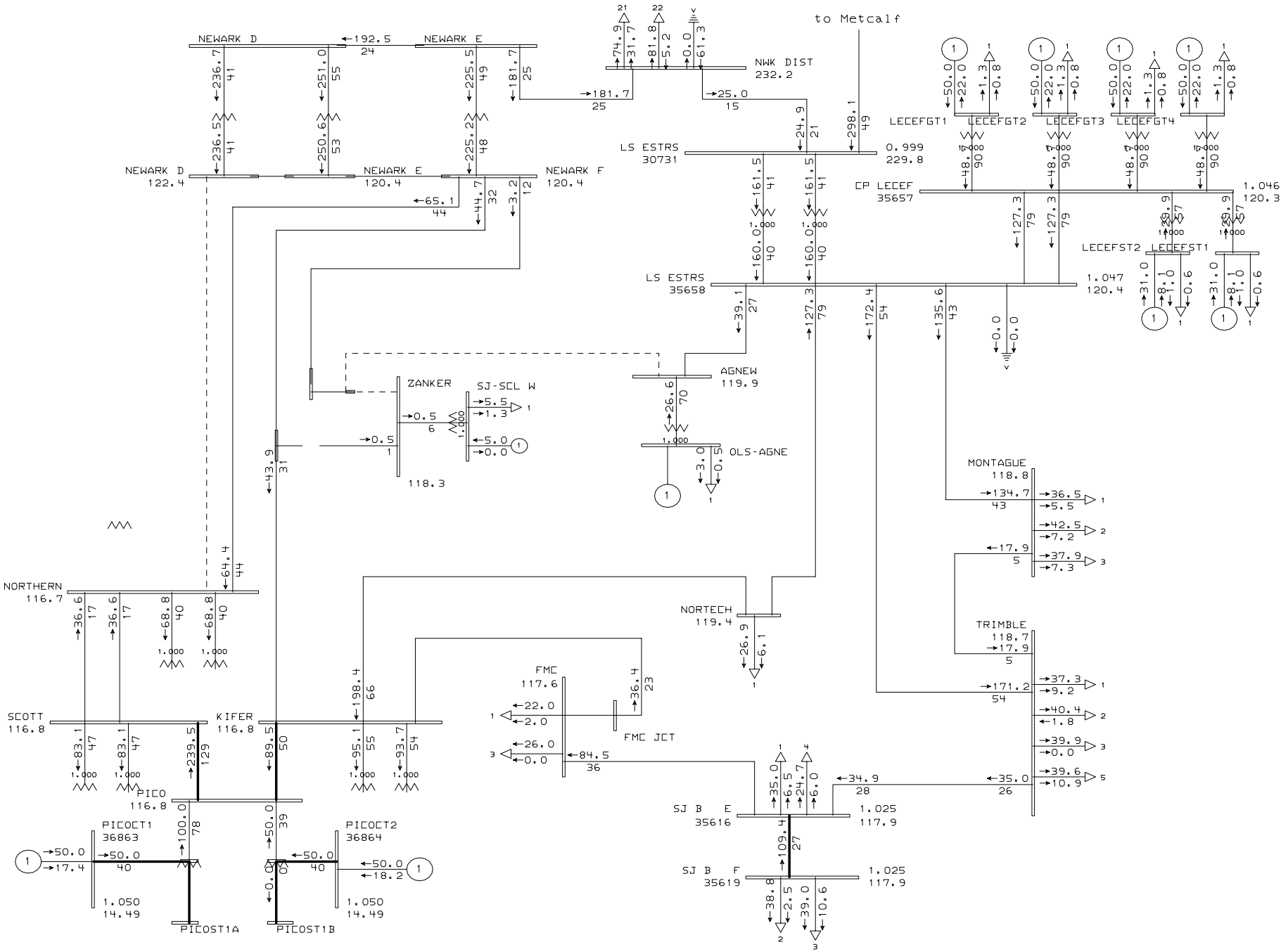
C:\PSLF_work\Projects\Pico\hs0
Rating = 2

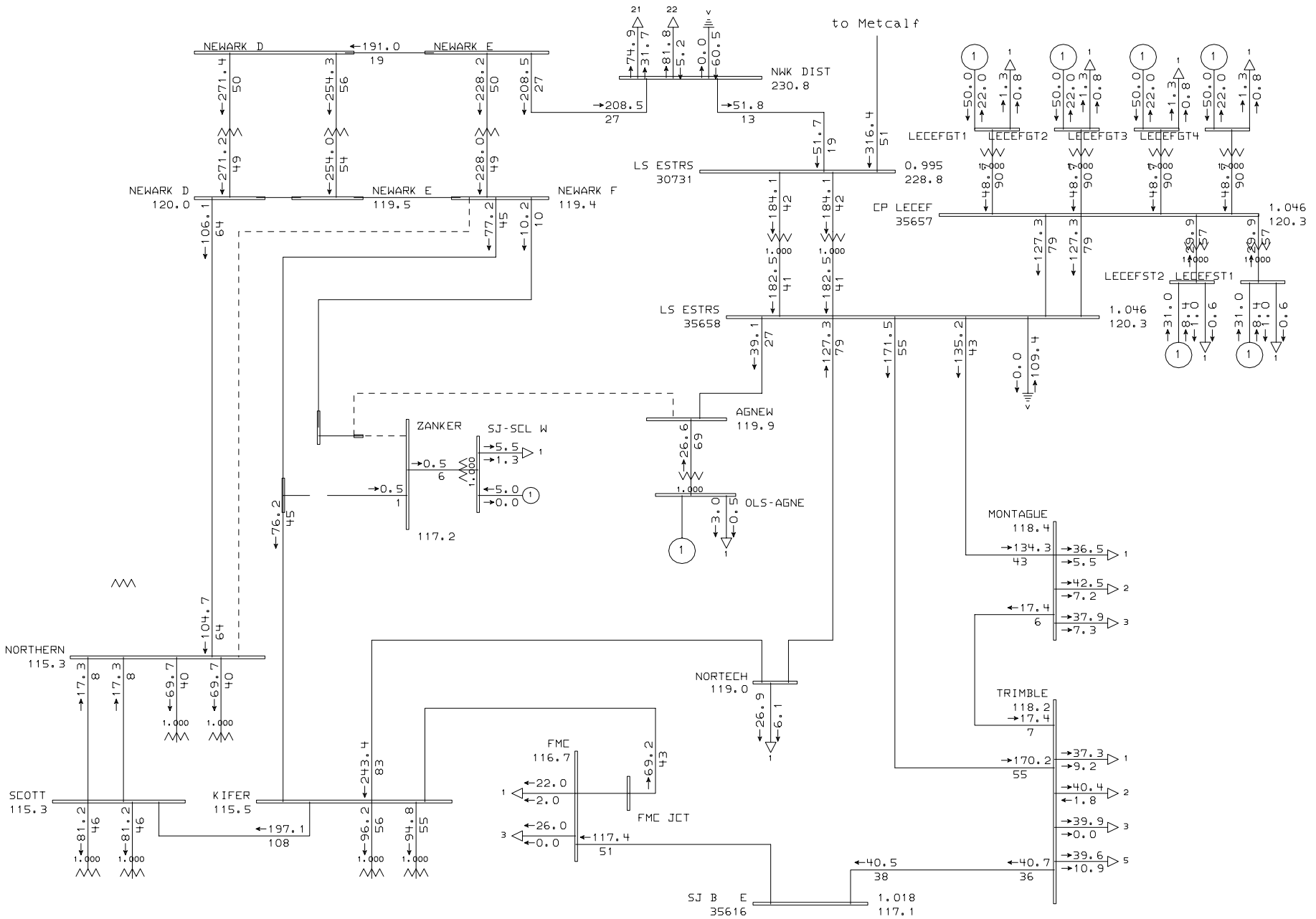


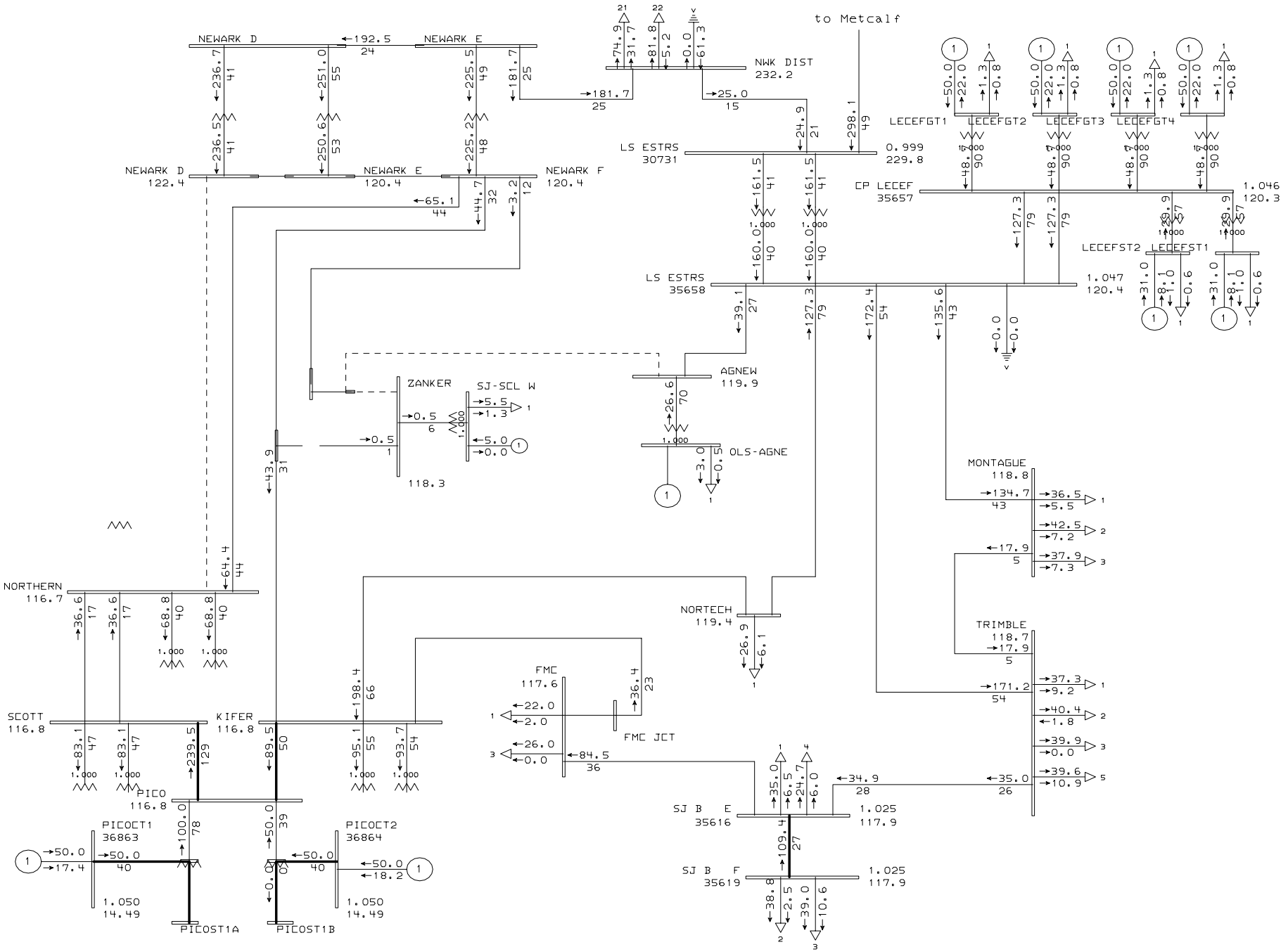
General Electric International, Inc. PSLF Program MW/Pct Mon Sep 16 12:17:57 2002

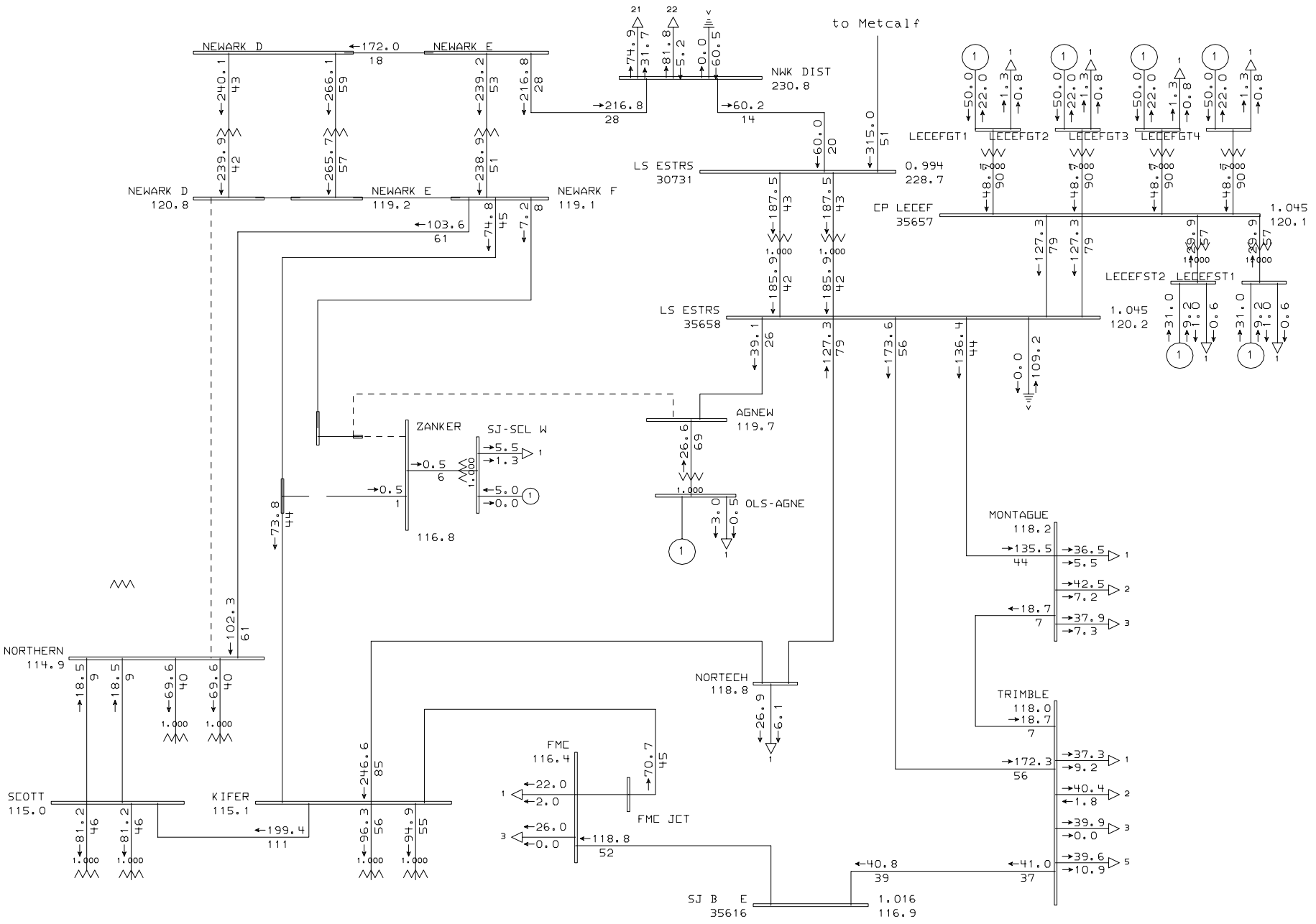
PG&E 2002 TRANSMISSION ASSESSMENT STUDY: 2004 SUMMER PEAK AREA 7/8 FL CASE
PATH15=1441MW (S-N) PATH26=2960MW (N-S) PDCI=3132MW (N-S) COI=3751NW (N-S)
PICO POWER PLANT (150 MW) - 2004 SUMMER PEAK POST-PROJECT CASE

Los Esteros - Northern 230 kV line NOT modeled (hs04_pico_pstB.sav)
Newark - Northern #1 115 kV and SVP CCA

C:\PSLF_work\Projects\Pico\svp
C:\PSLF_work\Projects\Pico\hs0
Rating = 2


NEWARK D
120.0
NEWARK E
119.5
NEWARK F
119.4
191.0
19
271.4
50
271.2
49
254.3
56
254.0
54
228.2
50
228.0
49
208.5
27
106.1
64
77.2
45
10.2
10
104.7
64
76.2
45
NWK DIST
230.8
74.9
31.7
81.8
5.2
0.0
60.5
208.5
27
51.8
13
51.7
19
316.4
51
to Metcalf
LS ESTRS
30731
0.995
228.8
184.1
42
182.5
41
1.000
CP LECEF
35657
1.046
120.3
48.7
90
127.3
79
29.9
57
LECEFGT1
LECEFGT2
LECEFGT3
LECEFGT4
50.0
22.0
1.3
0.8
LECEFST2
LECEFST1
31.0
8.4
1.0
0.6
LS ESTRS
35658
1.046
120.3
39.1
27
171.5
55
135.2
43
0.0
109.4
AGNEW
119.9
26.6
69
ZANKER
SJ-SCL W
0.5
6
1
5.5
1.3
5.0
0.0
117.2
OLS-AGNE
3.0
0.5
MONTAGUE
118.4
134.3
43
36.5
5.5
42.5
7.2
37.9
7.3
17.4
6
NORTHERN
115.3
17.3
8
69.7
40
NORTECH
119.0
26.9
6.1
TRIMBLE
118.2
17.4
7
170.2
55
37.3
9.2
40.4
1.8
39.9
0.0
39.6
10.9
40.7
36
40.5
38
SCOTT
115.3
81.2
46
KIFER
115.5
197.1
108
243.4
83
96.2
56
94.8
55
FMC
116.7
22.0
2.0
26.0
0.0
69.2
43
FMC JCT
117.4
51
SJ B E
35616
1.018
117.1


NEWARK D
122.4
NEWARK E
120.4
NEWARK F
120.4
NWK DIST
232.2
to Metcalf
LS ESTRS
30731
0.999
229.8
LECEFGT1
LECEFGT2
LECEFGT3
LECEFGT4
CP LECEF
35657
1.046
120.3
LECEFST2
LECEFST1
LS ESTRS
35658
1.047
120.4
ZANKER
118.3
SJ-SCL W
AGNEW
119.9
OLS-AGNE
MONTAGUE
118.8
TRIMBLE
118.7
NORTHERN
116.7
NORTECH
119.4
SCOTT
116.8
KIFER
116.8
PICO
116.8
FMC
117.6
FMC JCT
SJ B E
35616
1.025
117.9
SJ B F
35619
1.025
117.9
PICOCT1
36863
1.050
14.49
PICOCT2
36864
1.050
14.49
PICOST1A
PICOST1B

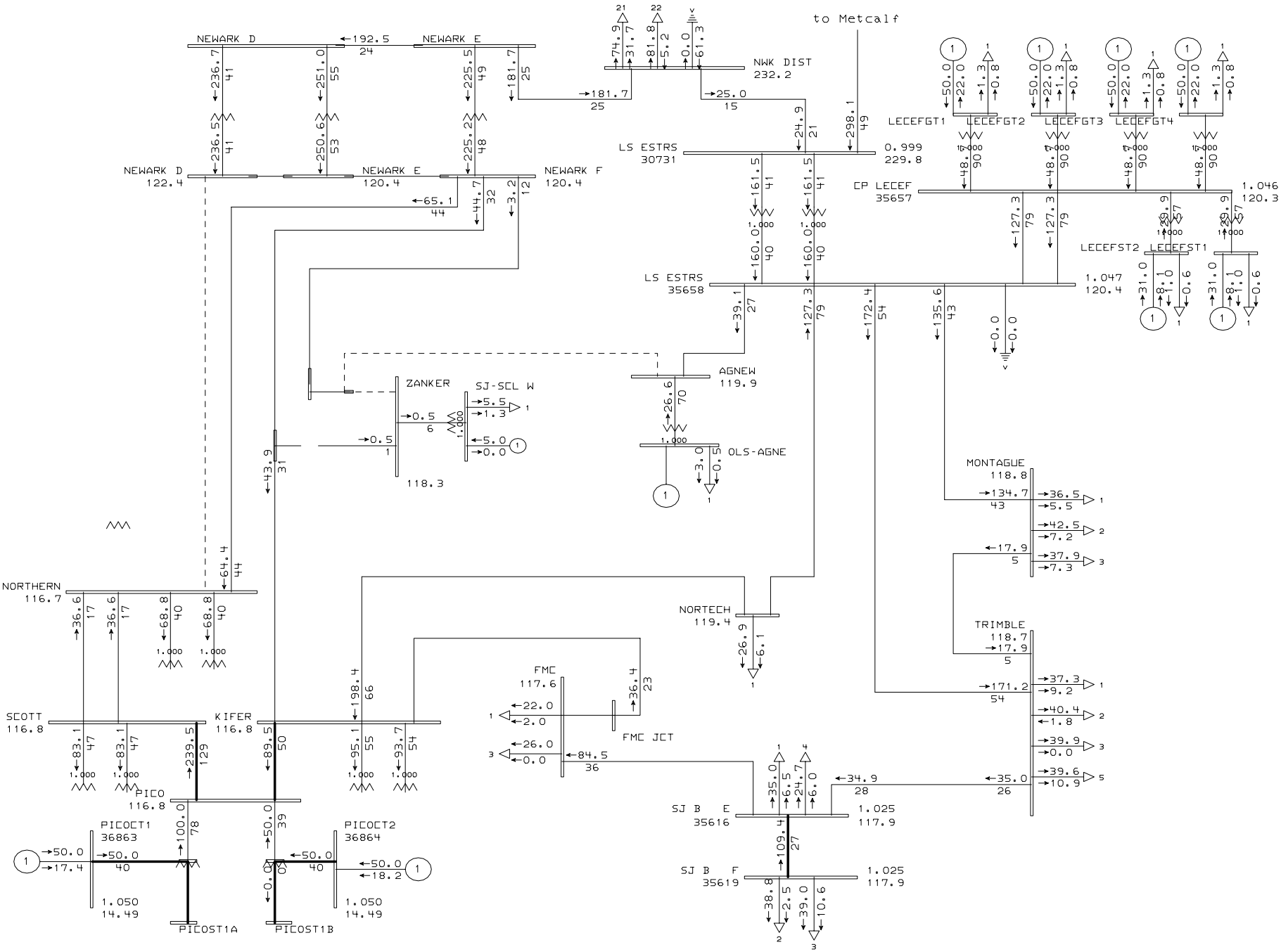


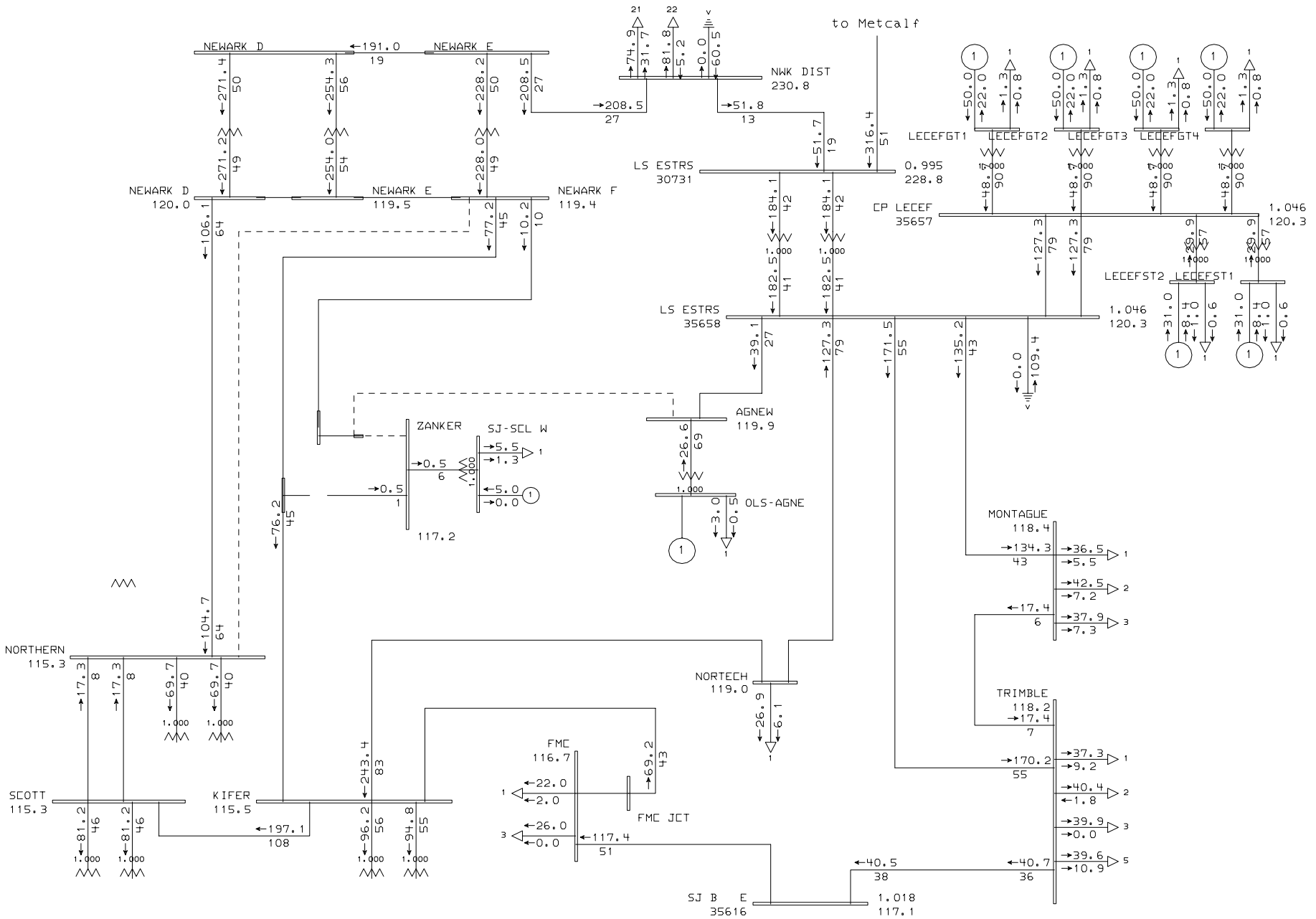
General Electric International, Inc. PSLF Program MW/Pct Mon Sep 16 12:18:13 2002

PG&E 2002 TRANSMISSION ASSESSMENT STUDY: 2004 SUMMER PEAK AREA 7/8 FL CASE
PATH15=1441MW (S-N) PATH26=2960MW (N-S) PDCI=3132MW (N-S) COI=3751NW (N-S)
PICO POWER PLANT (150 MW) - 2004 SUMMER PEAK PRE-PROJECT CASE

Los Esteros - Northern 230 kV line NOT modeled (hs04_pico_preB.sav)
Newark - Northern #1 115 kV and SVP Gianera Unit 1

C:\PSLF_work\Projects\Pico\svp
C:\PSLF_work\Projects\Pico\hs0
Rating = 2


NEWARK D
NEWARK E
NEWARK F
NWK DIST
232.2
to Metcalf
LS ESTRS
30731
LS ESTRS
35658
CP LECEF
35657
LECEFGT1
LECEFGT2
LECEFGT3
LECEFGT4
LECEFST1
LECEFST2
AGNEW
119.9
ZANKER
118.3
SJ-SCL W
OLS-AGNE
MONTAGUE
118.8
TRIMBLE
118.7
NORTECH
119.4
NORTHERN
116.7
SCOTT
116.8
KIFER
116.8
PICO
116.8
FMC
117.6
FMC JCT
SJ B E
35616
SJ B F
35619
PICOCT1
36863
PICOCT2
36864
PICOST1A
PICOST1B

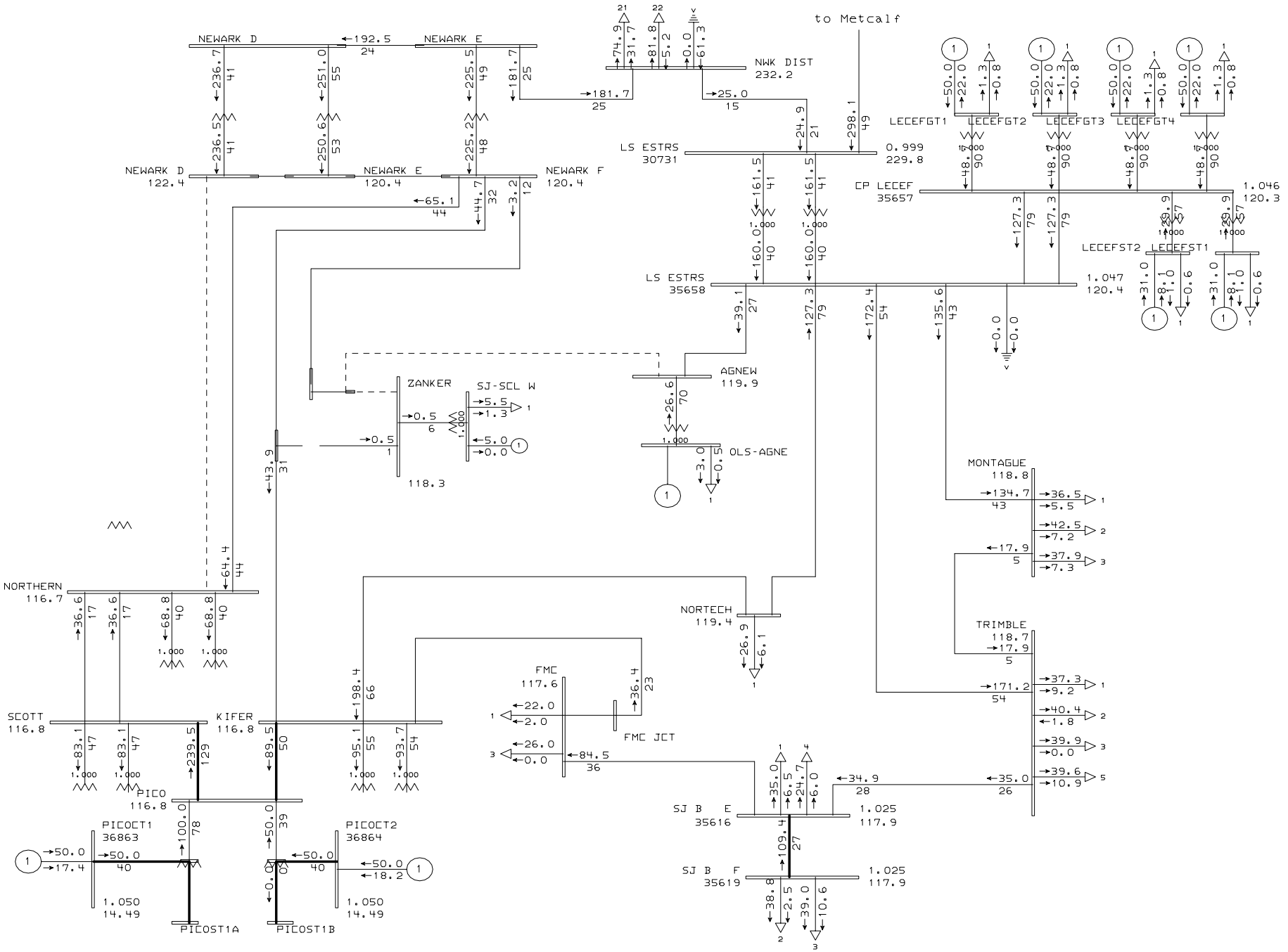


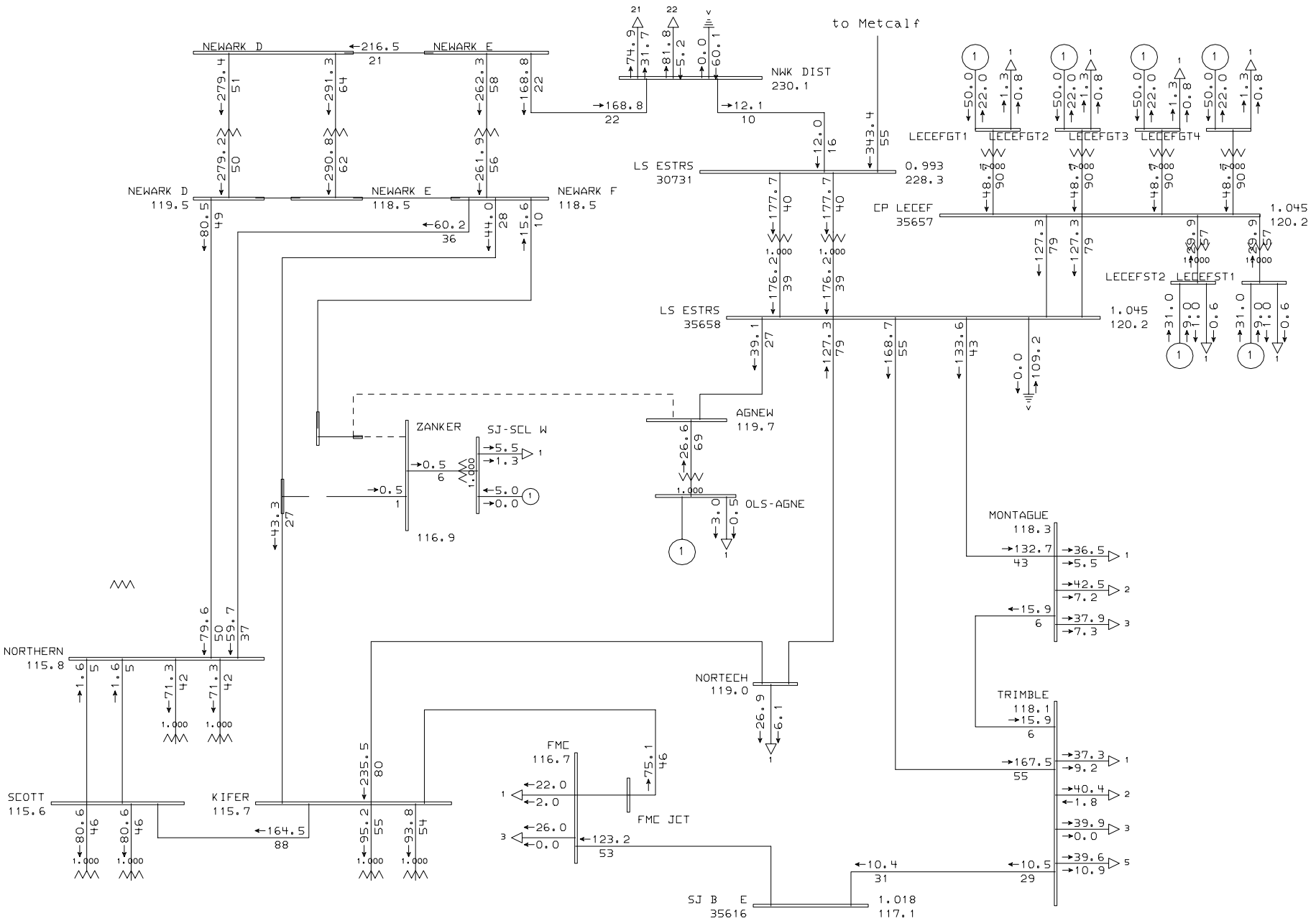
General Electric International, Inc. PSLF Program MW/Pct Mon Sep 16 12:18:25 2002

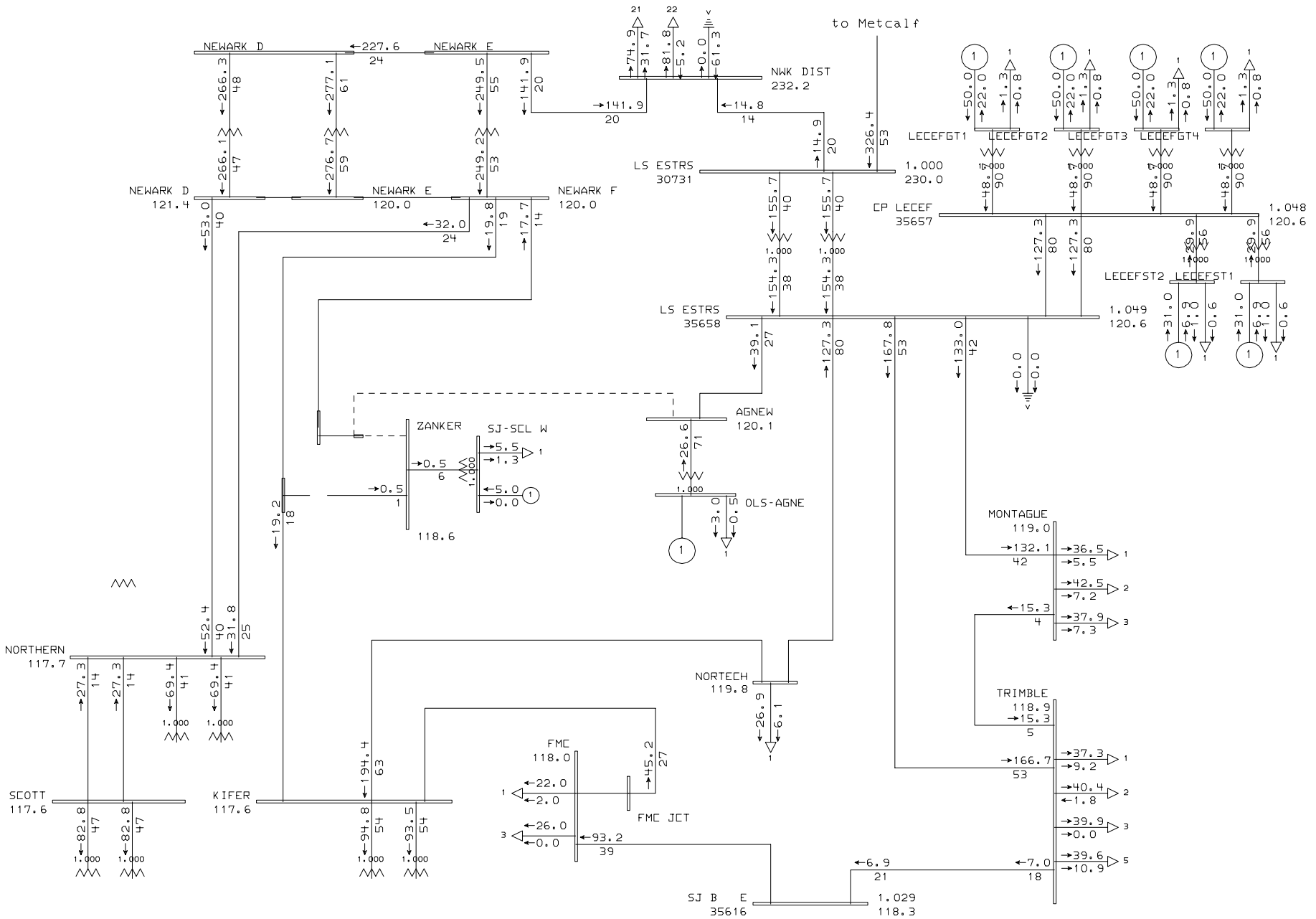
PG&E 2002 TRANSMISSION ASSESSMENT STUDY: 2004 SUMMER PEAK AREA 7/8 FL CASE
PATH15=1441MW (S-N) PATH26=2960MW (N-S) PDCI=3132MW (N-S) COI=3751NW (N-S)
PICO POWER PLANT (150 MW) - 2004 SUMMER PEAK PRE-PROJECT CASE

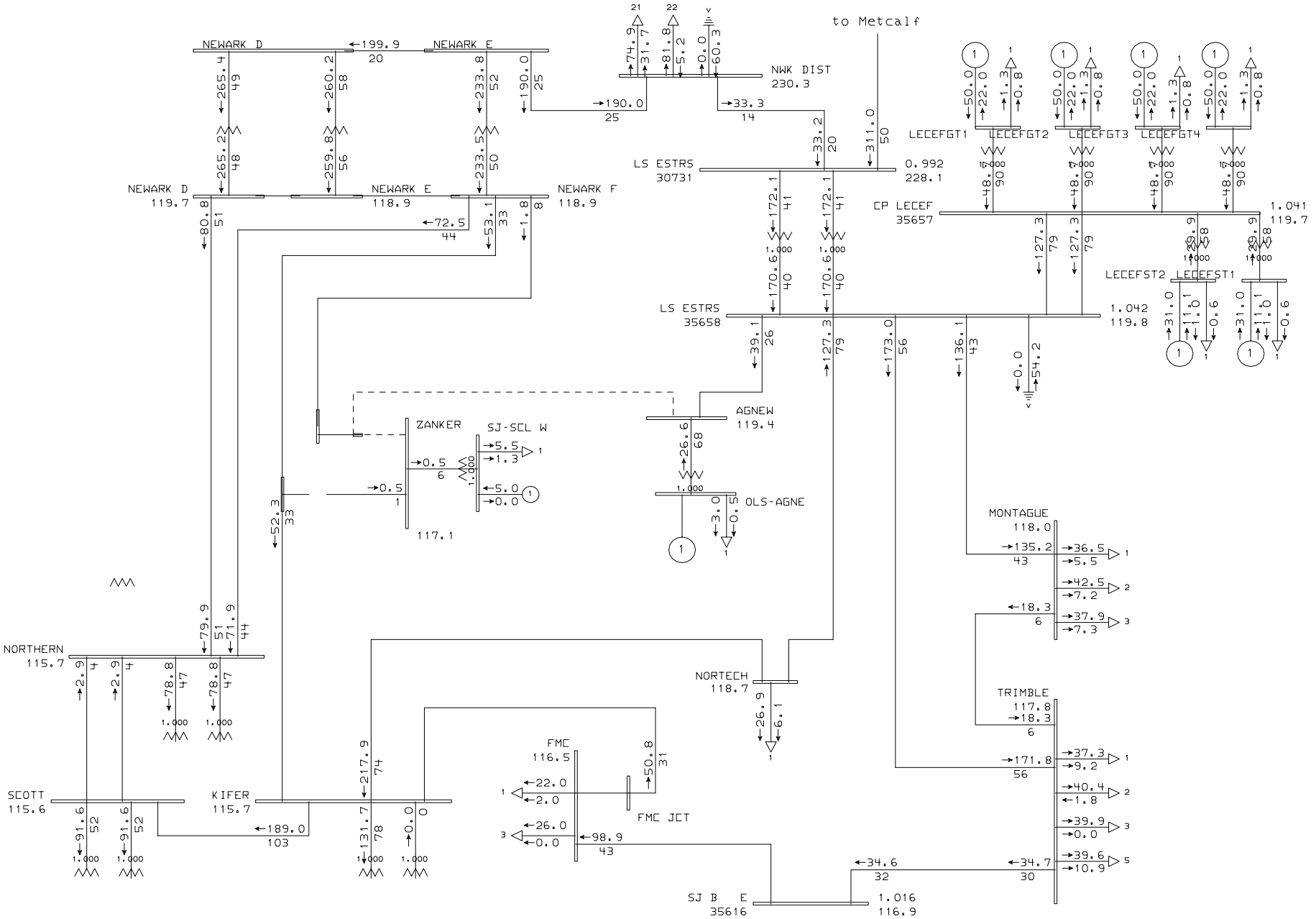
Los Esteros - Northern 230 kV line NOT modeled (hs04_pico_preB.sav)
Newark - Northern #1 115 kV and SVP Gianera Unit 1

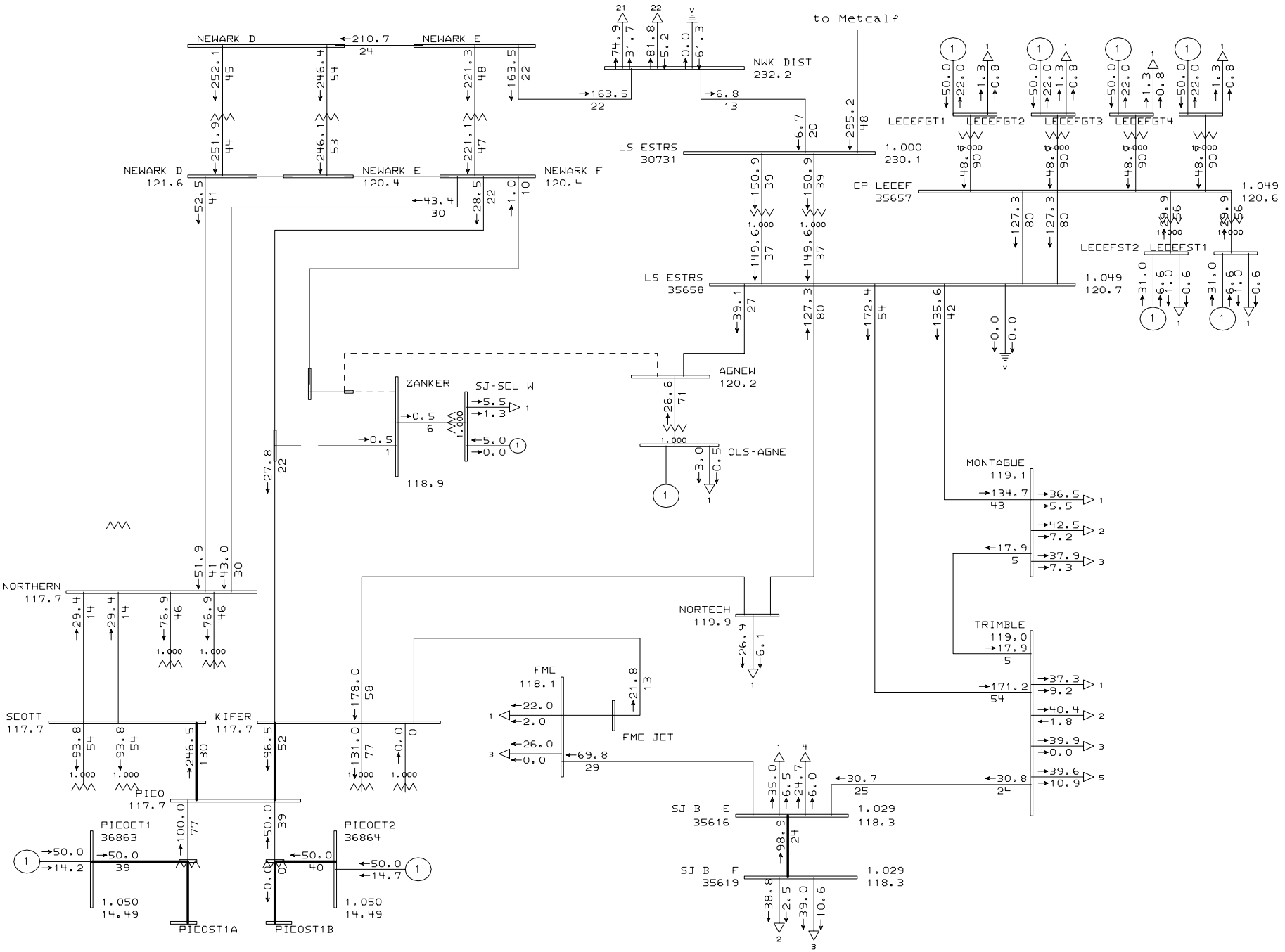
C:\PSLF_work\Projects\Pico\svp
C:\PSLF_work\Projects\Pico\hs0
Rating = 2


NEWARK D
122.4
NEWARK E
120.4
NEWARK F
120.4
NWK DIST
232.2
to Metcalf
LS ESTRS
30731
0.999
229.8
LECEFGT1
LECEFGT2
LECEFGT3
LECEFGT4
CP LECEF
35657
1.046
120.3
LECEFST2
LECEFST1
LS ESTRS
35658
1.047
120.4
ZANKER
118.3
SJ-SCL W
AGNEW
119.9
OLS-AGNE
MONTAGUE
118.8
TRIMBLE
118.7
NORTHERN
116.7
NORTECH
119.4
SCOTT
116.8
KIFER
116.8
PICO
116.8
FMC
117.6
FMC JCT
SJ B E
35616
1.025
117.9
SJ B F
35619
1.025
117.9
PICOCT1
36863
1.050
14.49
PICOCT2
36864
1.050
14.49
PICOST1A
PICOST1B


to Metcalf
NEWARK D
119.5
NEWARK E
118.5
NEWARK F
118.5
216.5
21
NWK DIST
230.1
LS ESTRS
30731
0.993
228.3
LECEFGT1
LECEFGT2
LECEFGT3
LECEFGT4
CP LECEF
35657
1.045
120.2
LECEFST2
LECEFST1
LS ESTRS
35658
1.045
120.2
AGNEW
119.7
ZANKER
116.9
SJ-SCL W
OLS-AGNE
MONTAGUE
118.3
TRIMBLE
118.1
NORTECH
119.0
NORTHERN
115.8
SCOTT
115.6
KIFER
115.7
FMC
116.7
FMC JCT
SJ B E
35616
1.018
117.1


to Metcalf
NEWARK D
227.6
24
NEWARK E
NEWARK D
121.4
NEWARK E
120.0
NEWARK F
120.0
NWK DIST
232.2
LS ESTRS
30731
1.000
230.0
LECEFGT1
LECEFGT2
LECEFGT3
LECEFGT4
CP LECEF
35657
1.048
120.6
LECEFST2
LECEFST1
LS ESTRS
35658
1.049
120.6
AGNEW
120.1
ZANKER
118.6
SJ-SCL W
OLS-AGNE
MONTAGUE
119.0
NORTHERN
117.7
NORTECH
119.8
TRIMBLE
118.9
SCOTT
117.6
KIFER
117.6
FMC
118.0
FMC JCT
SJ B E
35616
1.029
118.3


NEWARK D
NEWARK E
NEWARK F
NWK DIST
230.3
to Metcalf
LS ESTRS
30731
0.992
228.1
LECEFGT1
LECEFGT2
LECEFGT3
LECEFGT4
CP LECEF
35657
1.041
119.7
LECEFST1
LECEFST2
LS ESTRS
35658
1.042
119.8
AGNEW
119.4
ZANKER
SJ-SCL W
OLS-AGNE
117.1
MONTAGUE
118.0
NORTHERN
115.7
NORTECH
118.7
TRIMBLE
117.8
SCOTT
115.6
KIFER
115.7
FMC
116.5
FMC JCT
SJ B E
35616
1.016
116.9

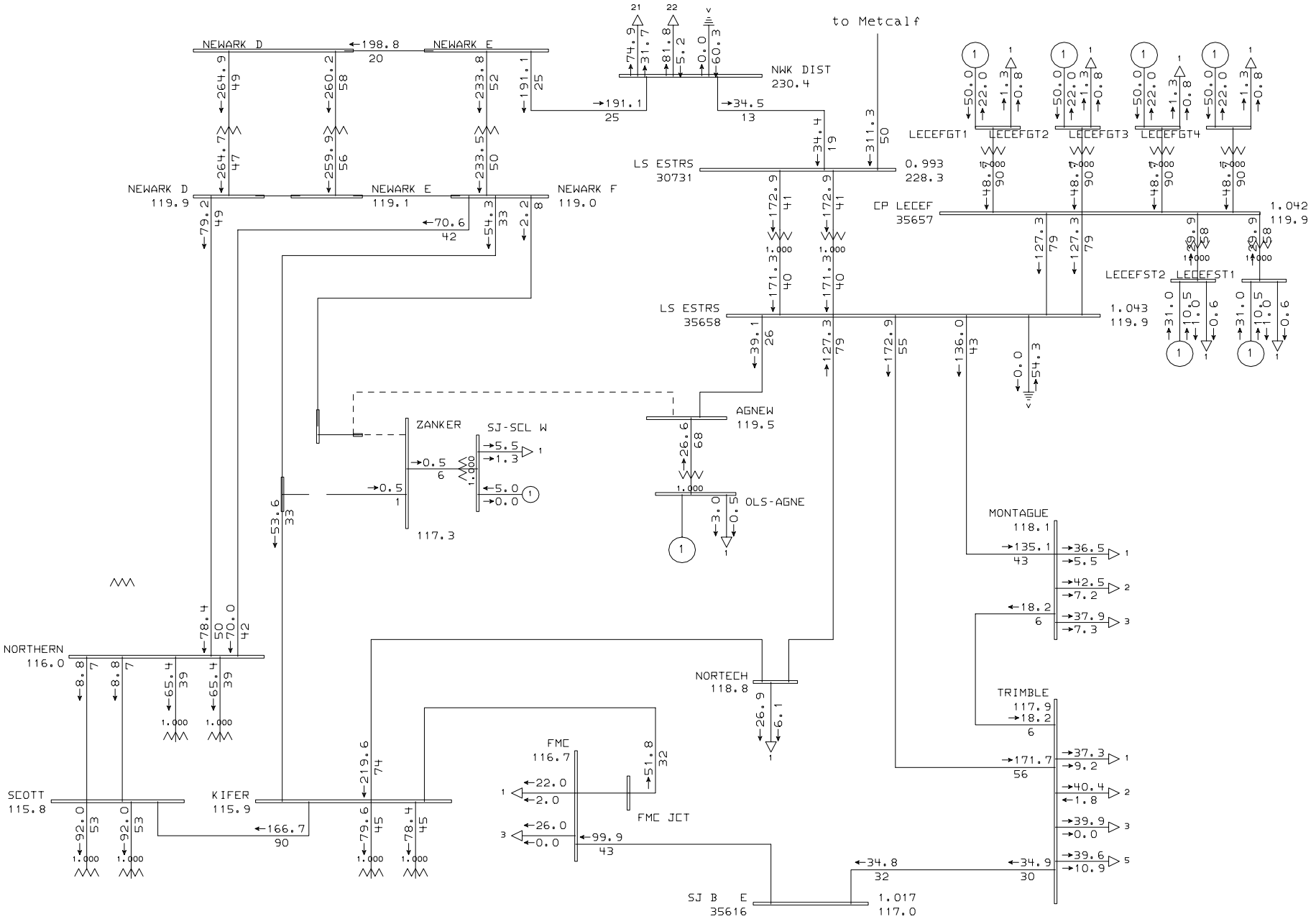


General Electric International, Inc. PSLF Program MW/Pct Mon Sep 16 12:18:43 2002

PG&E 2002 TRANSMISSION ASSESSMENT STUDY: 2004 SUMMER PEAK AREA 7/8 FL CASE
PATH15=1441MW (S-N) PATH26=2960MW (N-S) PDCI=3132MW (N-S) COI=3751NW (N-S)
PICO POWER PLANT (150 MW) - 2004 SUMMER PEAK POST-PROJECT CASE

Los Esteros - Northern 230 kV line NOT modeled (hs04_pico_pstB.sav)
Kifer 115/60 kV Bk #1 or #2

C:\PSLF_work\Projects\Pico\svp
C:\PSLF_work\Projects\Pico\hs0
Rating = 2



General Electric International, Inc. PSLF Program MW/Pct Mon Sep 16 12:18:50 2002

PG&E 2002 TRANSMISSION ASSESSMENT STUDY: 2004 SUMMER PEAK AREA 7/8 FL CASE
PATH15=1441MW (S-N) PATH26=2960MW (N-S) PDCI=3132MW (N-S) COI=3751NW (N-S)
PICO POWER PLANT (150 MW) - 2004 SUMMER PEAK PRE-PROJECT CASE

Los Esteros - Northern 230 kV line NOT modeled (hs04_pico_preB.sav)
CCA - Kifer 60 kV

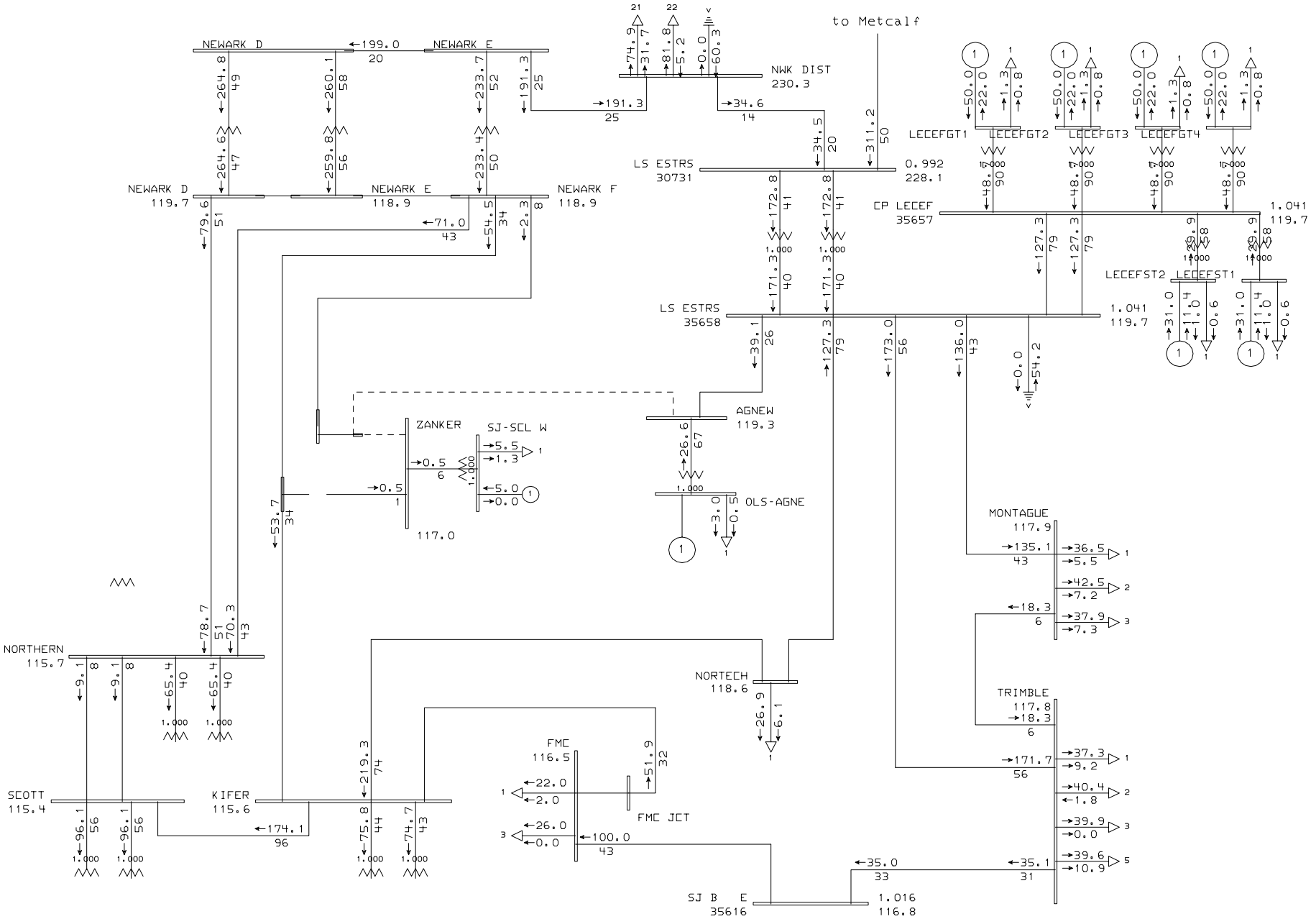
C:\PSLF_work\Projects\Pico\svp
C:\PSLF_work\Projects\Pico\hs0
Rating = 2

General Electric International, Inc. PSLF Program MW/Pct Mon Sep 16 12:18:56 2002

PG&E 2002 TRANSMISSION ASSESSMENT STUDY: 2004 SUMMER PEAK AREA 7/8 FL CASE
PATH15=1441MW (S-N) PATH26=2960MW (N-S) PDCI=3132MW (N-S) COI=3751NW (N-S)
PICO POWER PLANT (150 MW) - 2004 SUMMER PEAK POST-PROJECT CASE

Los Esteros - Northern 230 kV line NOT modeled (hs04_pico_pstB.sav)
CCA - Kifer 60 kV

C:\PSLF_work\Projects\Pico\svp
C:\PSLF_work\Projects\Pico\hs0
Rating = 2



General Electric International, Inc. PSLF Program MW/Pct Mon Sep 16 12:19:06 2002

PG&E 2002 TRANSMISSION ASSESSMENT STUDY: 2004 SUMMER PEAK AREA 7/8 FL CASE
PATH15=1441MW (S-N) PATH26=2960MW (N-S) PDCI=3132MW (N-S) COI=3751NW (N-S)
PICO POWER PLANT (150 MW) - 2004 SUMMER PEAK PRE-PROJECT CASE

Los Esteros - Northern 230 kV line NOT modeled (hs04_pico_preB.sav)
CCA - Mathew 60 kV

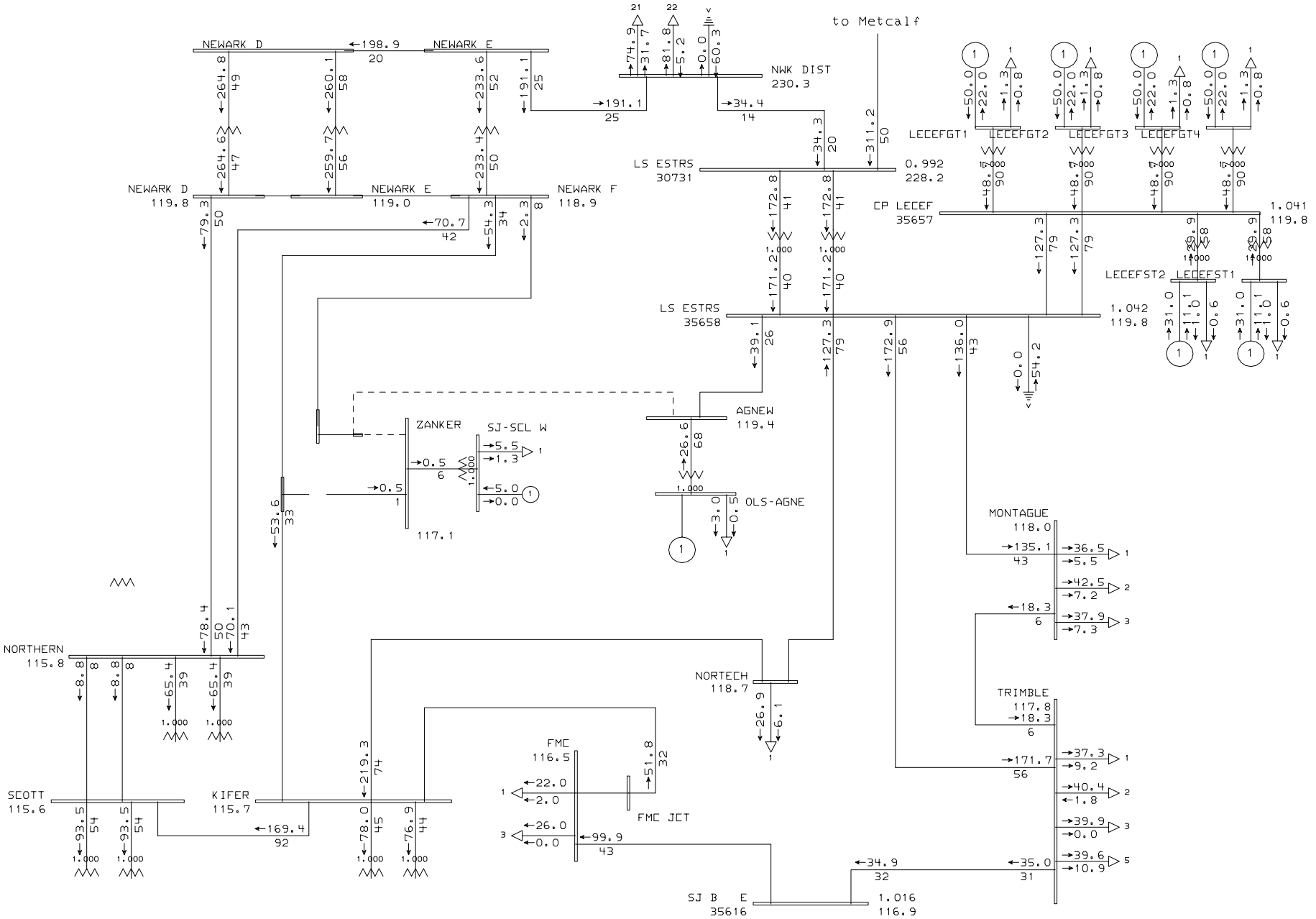
C:\PSLF_work\Projects\Pico\svp
C:\PSLF_work\Projects\Pico\hs0
Rating = 2

General Electric International, Inc. PSLF Program MW/Pct Mon Sep 16 12:19:11 2002

PG&E 2002 TRANSMISSION ASSESSMENT STUDY: 2004 SUMMER PEAK AREA 7/8 FL CASE
PATH15=1441MW (S-N) PATH26=2960MW (N-S) PDCI=3132MW (N-S) COI=3751NW (N-S)
PICO POWER PLANT (150 MW) - 2004 SUMMER PEAK POST-PROJECT CASE

Los Esteros - Northern 230 kV line NOT modeled (hs04_pico_pstB.sav)
CCA - Mathew 60 kV

C:\PSLF_work\Projects\Pico\svp
C:\PSLF_work\Projects\Pico\hs0
Rating = 2

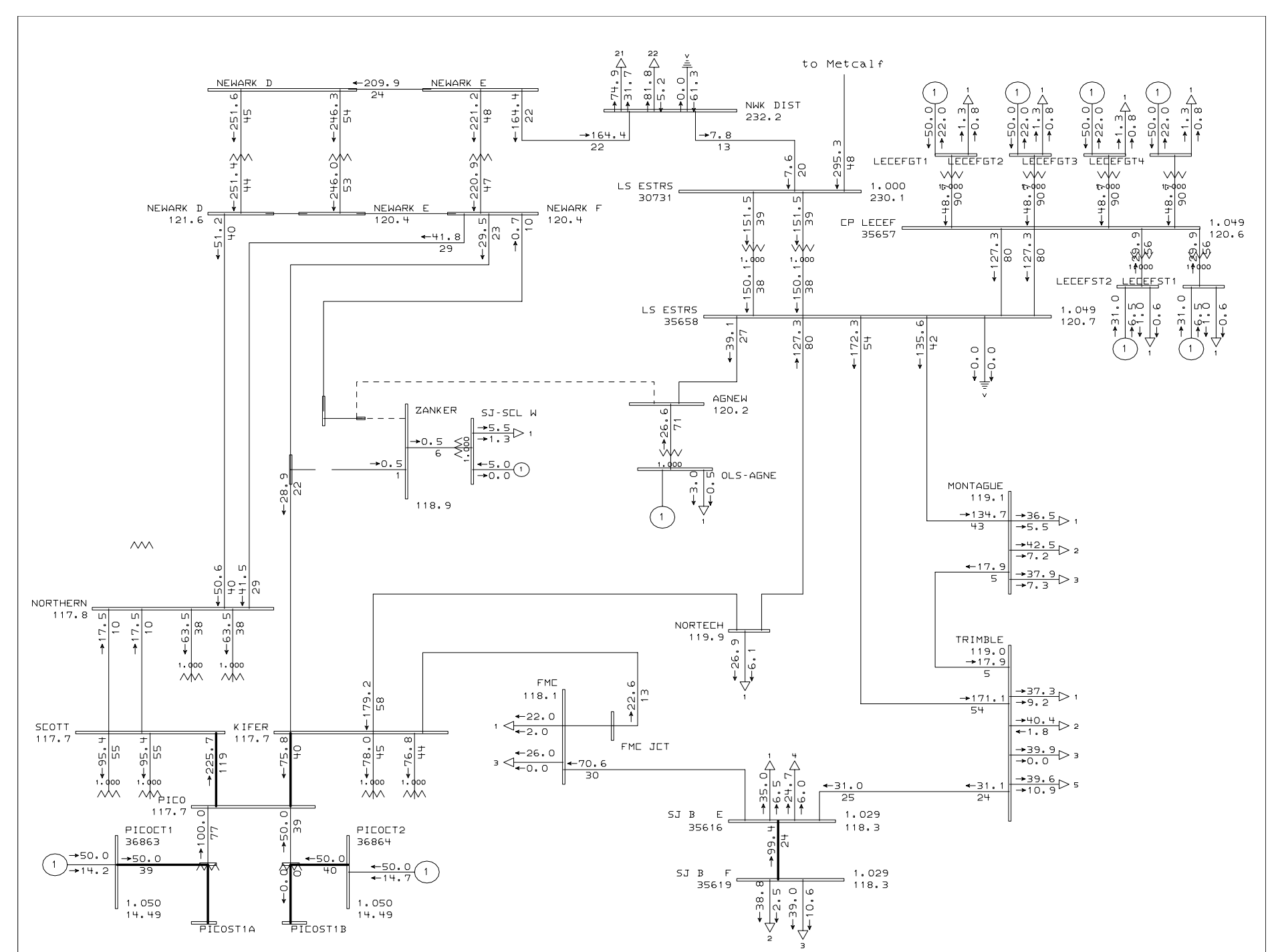


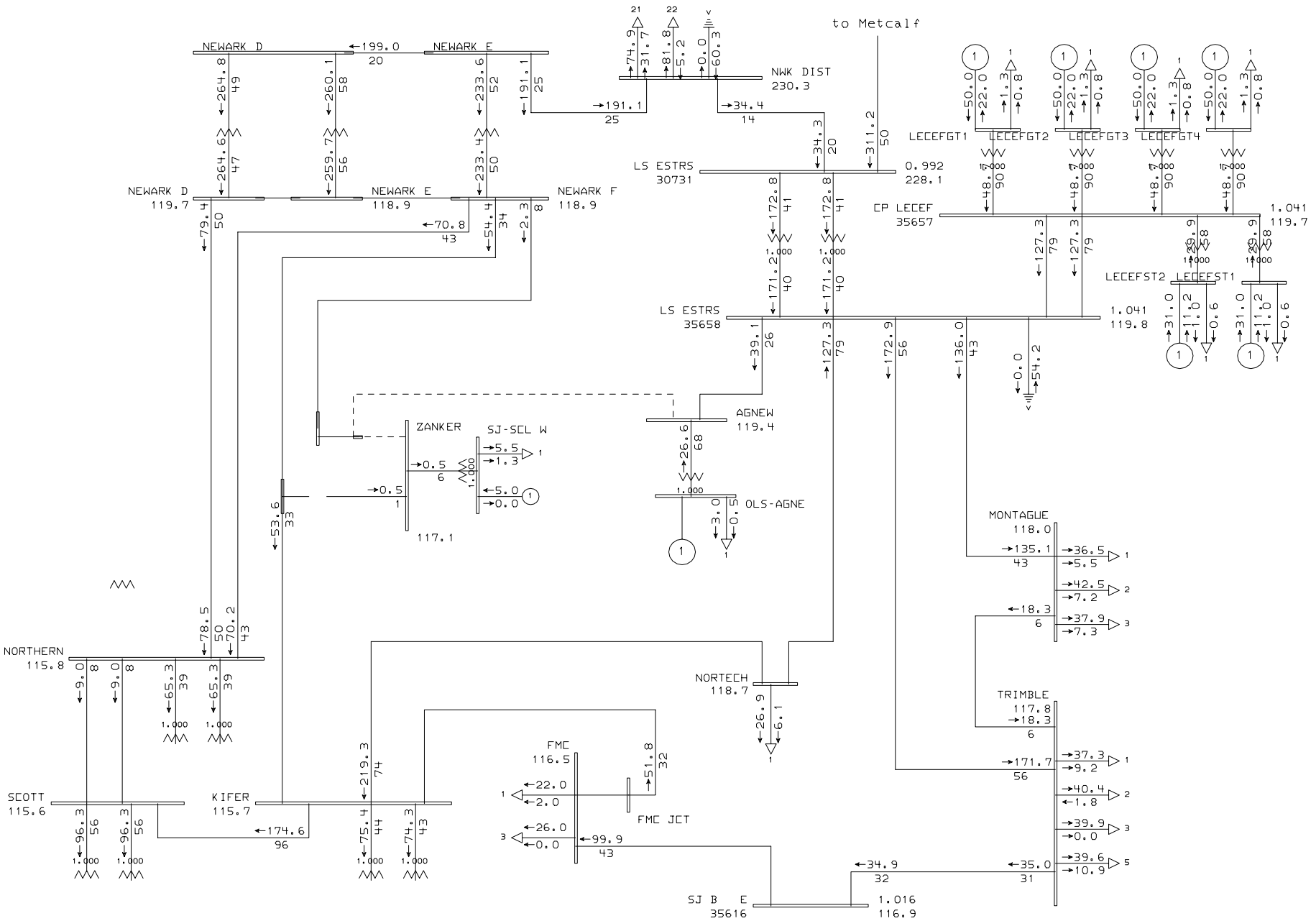
General Electric International, Inc. PSLF Program MW/Pct Mon Sep 16 12:19:30 2002

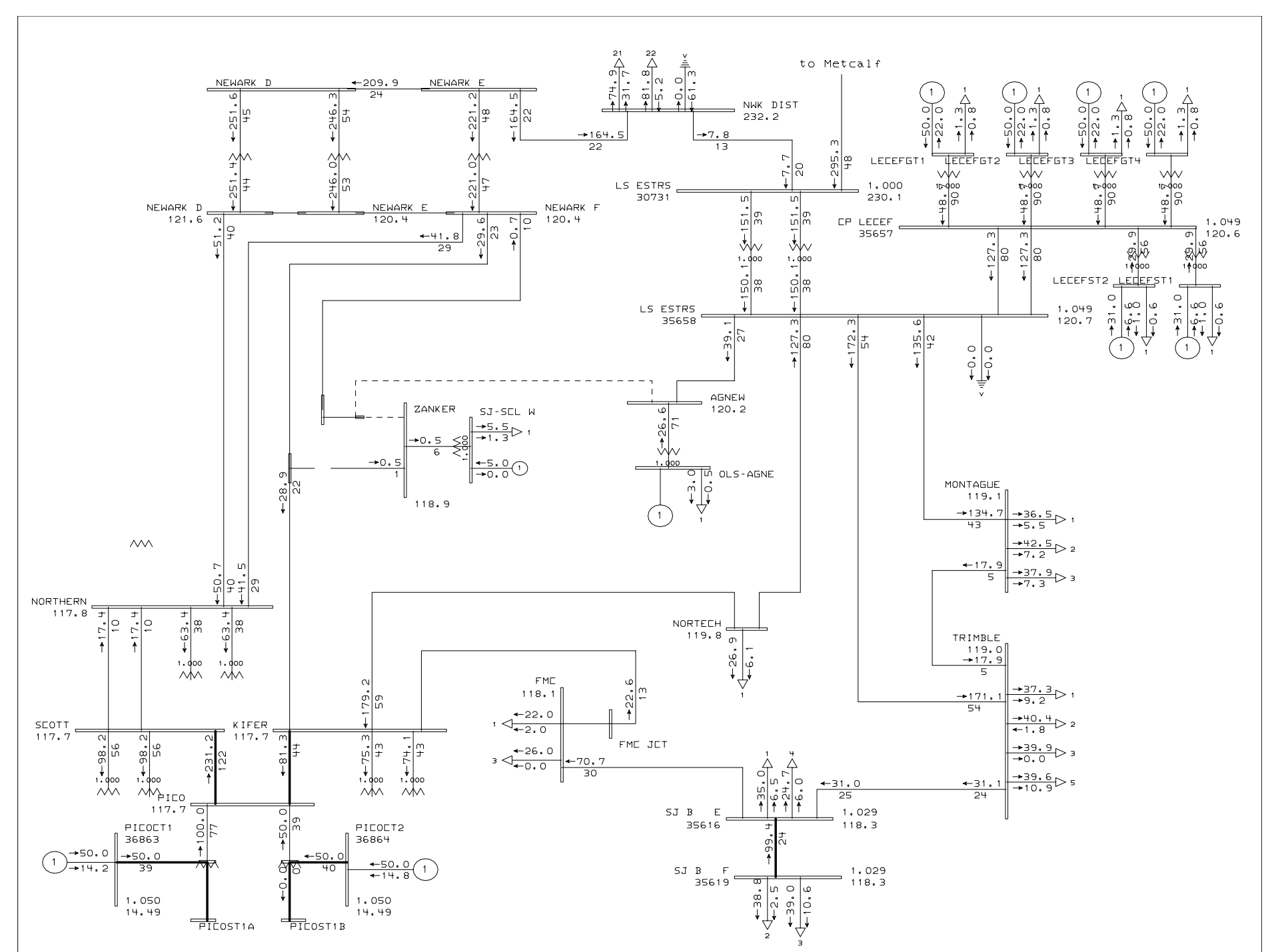
PG&E 2002 TRANSMISSION ASSESSMENT STUDY: 2004 SUMMER PEAK AREA 7/8 FL CASE
PATH15=1441MW (S-N) PATH26=2960MW (N-S) PDCI=3132MW (N-S) COI=3751NW (N-S)
PICO POWER PLANT (150 MW) - 2004 SUMMER PEAK PRE-PROJECT CASE

Los Esteros - Northern 230 kV line NOT modeled (hs04_pico_preB.sav)
Fiberglass - Walsh 60 kV

C:\PSLF_work\Projects\Pico\svp
C:\PSLF_work\Projects\Pico\hs0
Rating = 2


NEWARK D
121.6
NEWARK E
120.4
NEWARK F
120.4
NWK DIST
232.2
to Metcalf
LS ESTRS
30731
1.000
230.1
LECEFGT1
LECEFGT2
LECEFGT3
LECEFGT4
CP LECEF
35657
1.049
120.6
LECEFST2
LECEFST1
LS ESTRS
35658
1.049
120.7
AGNEW
120.2
ZANKER
118.9
SJ-SCL W
OLS-AGNE
MONTAGUE
119.1
TRIMBLE
119.0
NORTECH
119.9
NORTHERN
117.8
SCOTT
117.7
KIFER
117.7
PICO
117.7
FMC
118.1
FMC JCT
SJ B E
35616
1.029
118.3
SJ B F
35619
1.029
118.3
PICOCT1
36863
1.050
14.49
PICOCT2
36864
1.050
14.49
PICOST1A
PICOST1B


to Metcalf
NEWARK D
NEWARK E
NEWARK F
NWK DIST
230.3
LS ESTRS
30731
0.992
228.1
CP LECEF
35657
1.041
119.7
LECEFGT1
LECEFGT2
LECEFGT3
LECEFGT4
LECEFST1
LECEFST2
LS ESTRS
35658
1.041
119.8
AGNEW
119.4
ZANKER
SJ-SCL W
OLS-AGNE
117.1
MONTAGUE
118.0
TRIMBLE
117.8
NORTECH
118.7
NORTHERN
115.8
SCOTT
115.6
KIFER
115.7
FMC
116.5
FMC JCT
SJ B E
35616
1.016
116.9

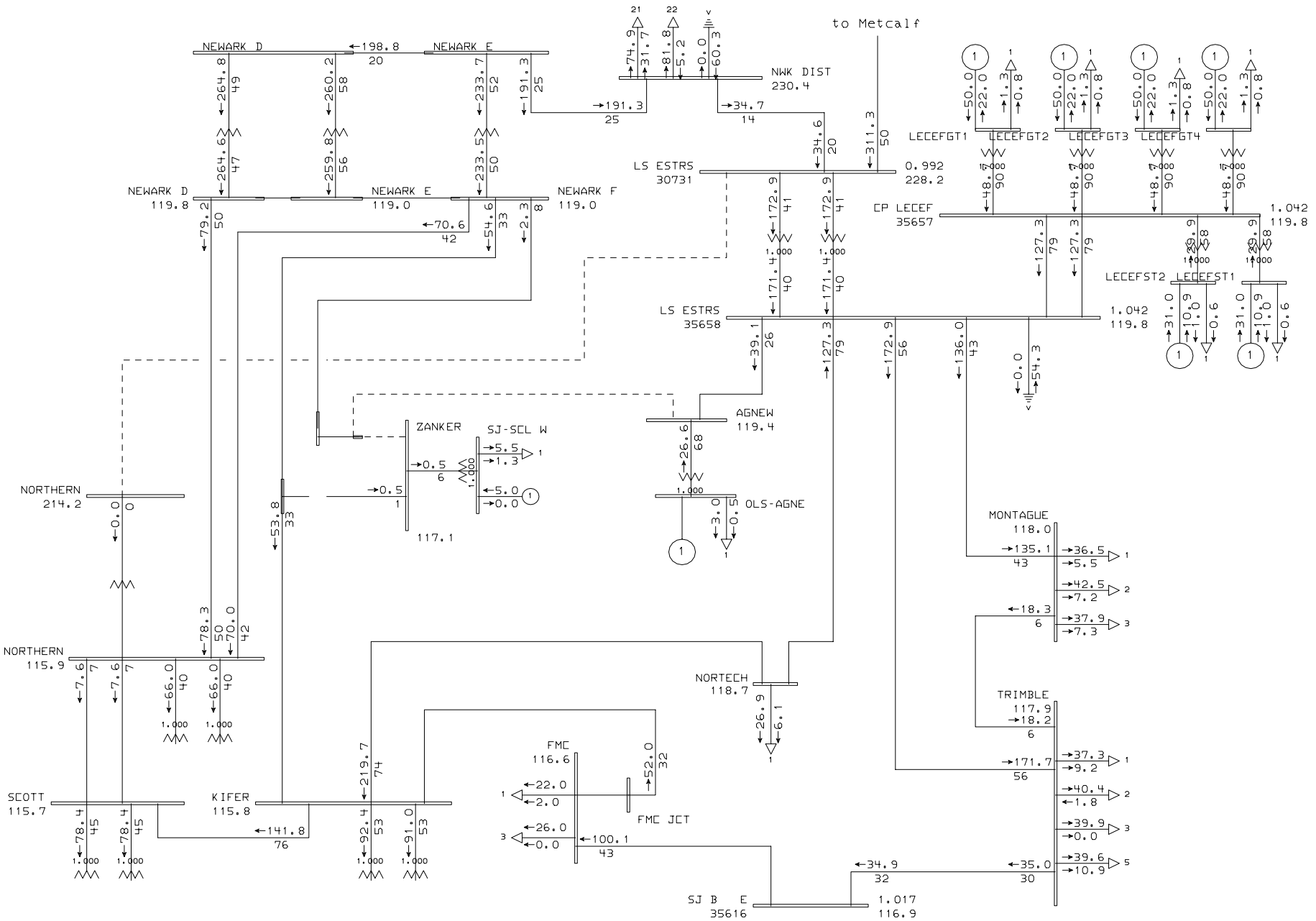


General Electric International, Inc. PSLF Program MW/Pct Mon Sep 16 12:19:48 2002

PG&E 2002 TRANSMISSION ASSESSMENT STUDY: 2004 SUMMER PEAK AREA 7/8 FL CASE
PATH15=1441MW (S-N) PATH26=2960MW (N-S) PDCI=3132MW (N-S) COI=3751NW (N-S)
PICO POWER PLANT (150 MW) - 2004 SUMMER PEAK POST-PROJECT CASE

Los Esteros - Northern 230 kV line NOT modeled (hs04_pico_pstB.sav)
Kifer - Fiberglass 60 kV

C:\PSLF_work\Projects\Pico\svp
C:\PSLF_work\Projects\Pico\hs0
Rating = 2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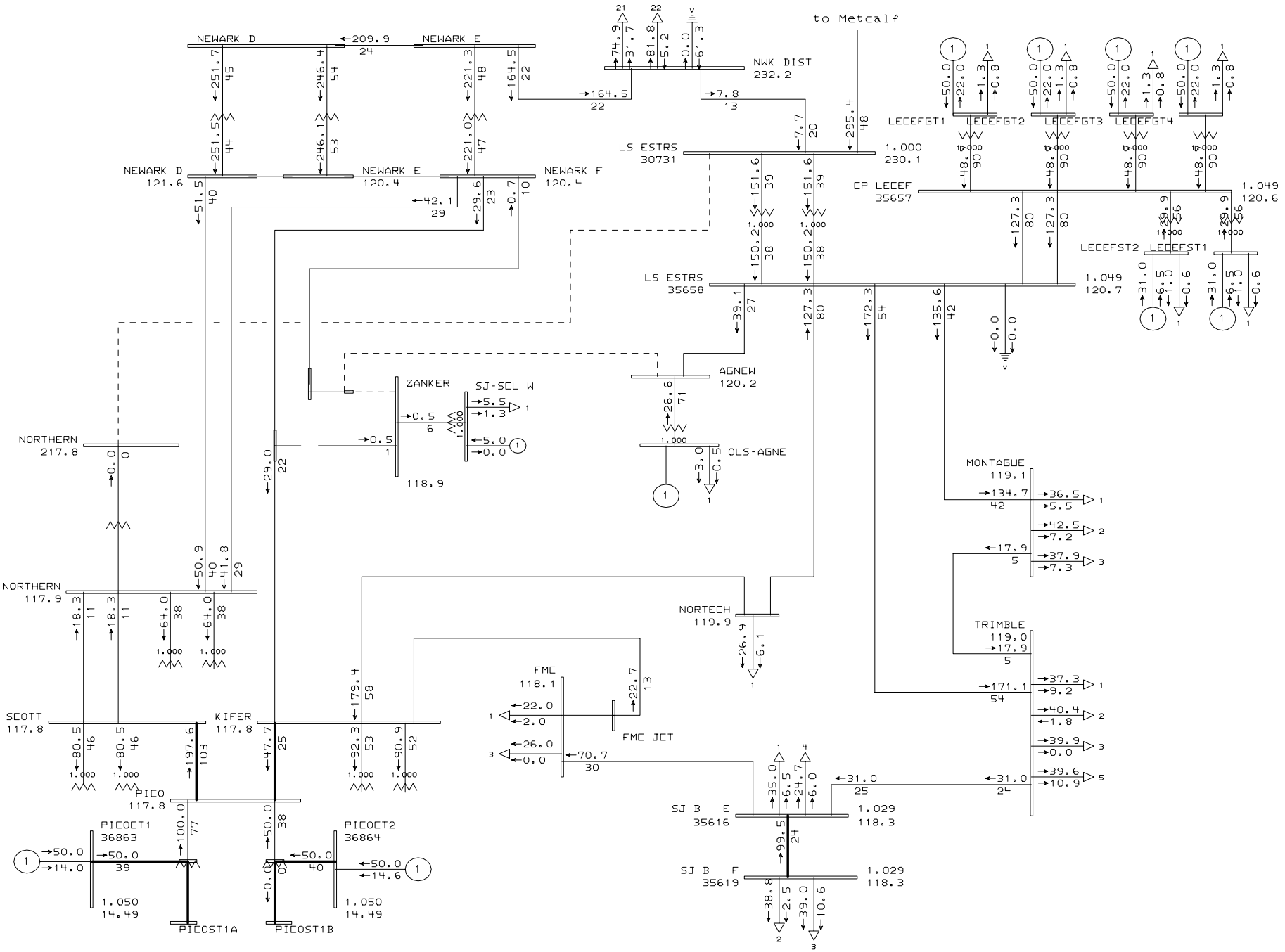
198.8
20
NEWARK E
264.8
49
260.2
58
233.7
52
191.3
25
264.6
47
259.8
56
233.5
50
NEWARK D
119.8
NEWARK E
119.0
NEWARK F
119.0
79.2
50
70.6
42
54.6
33
2.3
8
21
22
74.9
31.7
81.8
5.2
0.0
60.3
NWK DIST
230.4
191.3
25
34.7
14
34.6
20
311.3
50
to Metcalf
LS ESTRS
30731
0.992
228.2
LECEFGT1
LECEFGT2
LECEFGT3
LECEFGT4
50.0
22.0
1.3
0.8
48.7
90
1.000
CP LECEF
35657
1.042
119.8
172.9
41
171.4
40
127.3
79
29.9
58
LECEFST2
LECEFST1
31.0
10.9
1.0
0.6
LS ESTRS
35658
1.042
119.8
39.1
26
127.3
79
172.9
56
136.0
43
0.0
54.3
AGNEW
119.4
26.6
68
1.000
OLS-AGNE
3.0
0.5
ZANKER
SJ-SCL W
0.5
6
5.5
1.3
5.0
0.0
0.5
1
117.1
53.8
33
NORTHERN
214.2
0.0
0
NORTHERN
115.9
78.3
50
70.0
42
7.6
7
66.0
40
MONTAGUE
118.0
135.1
43
36.5
5.5
42.5
7.2
18.3
6
37.9
7.3
NORTECH
118.7
26.9
6.1
TRIMBLE
117.9
18.2
6
171.7
56
37.3
9.2
40.4
1.8
39.9
0.0
39.6
10.9
35.0
30
34.9
32
SCOTT
115.7
78.4
45
KIFER
115.8
141.8
76
219.7
74
92.4
53
91.0
53
FMC
116.6
52.0
32
22.0
2.0
26.0
0.0
100.1
43
FMC JCT
SJ B E
35616
1.017
116.9

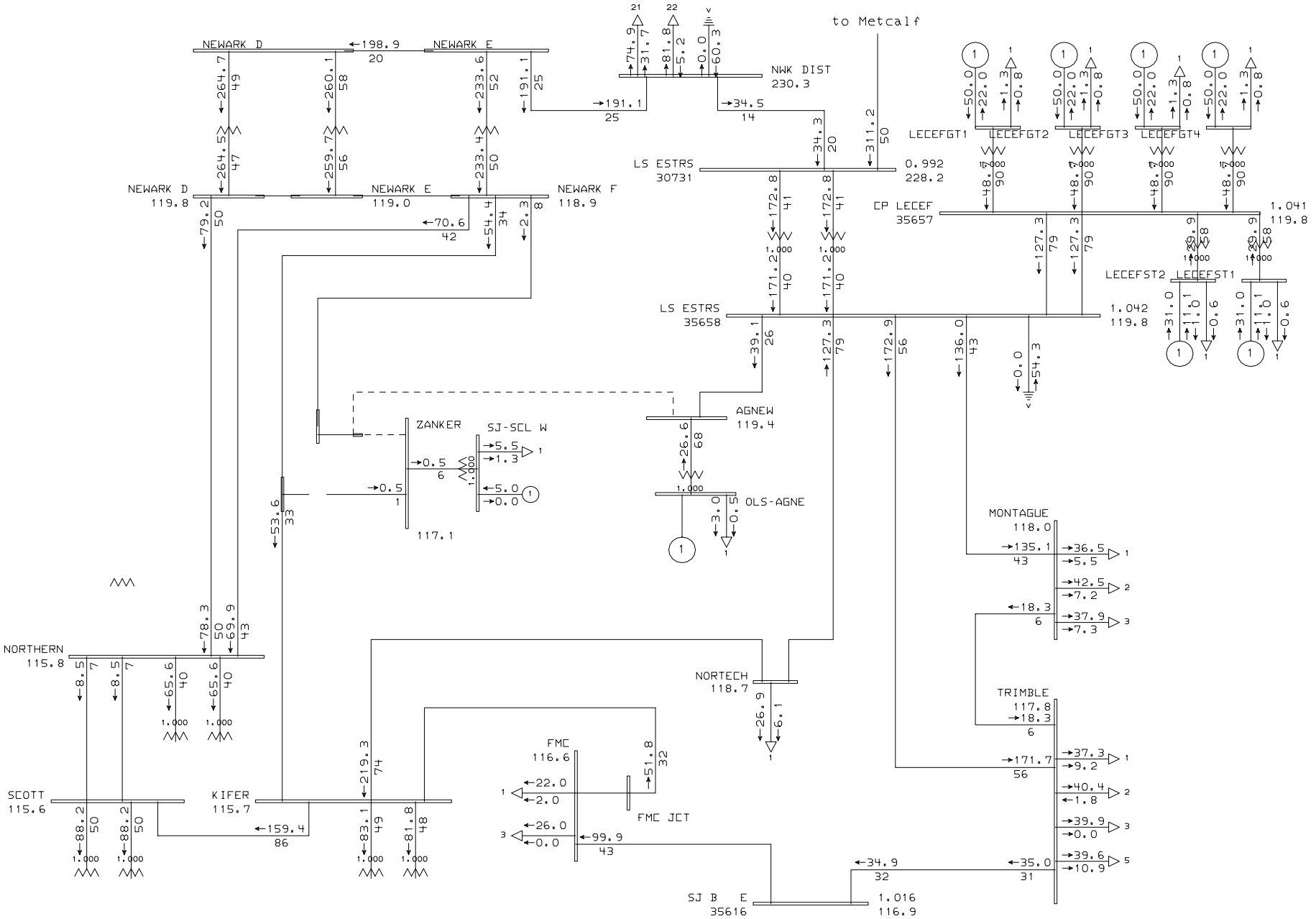


General Electric International, Inc. PSLF Program MW/Pct Mon Sep 16 12:06:51 2002

PG&E 2002 TRANSMISSION ASSESSMENT STUDY: 2004 SUMMER PEAK AREA 7/8 FL CASE
PATH15=1441MW (S-N) PATH26=2960MW (N-S) PDCI=3132MW (N-S) COI=3751NW (N-S)
PICO POWER PLANT (150 MW) - 2004 SUMMER PEAK POST-PROJECT CASE

Los Esteros - Northern 230 kV line modeled (hs04_pico_pstA.sav)
Lost Esteros-NRS 230 kV or NRS 230/115 kV Bank

C:\PSLF_work\Projects\Pico\svp
C:\PSLF_work\Projects\Pico\hs0
Rating = 2



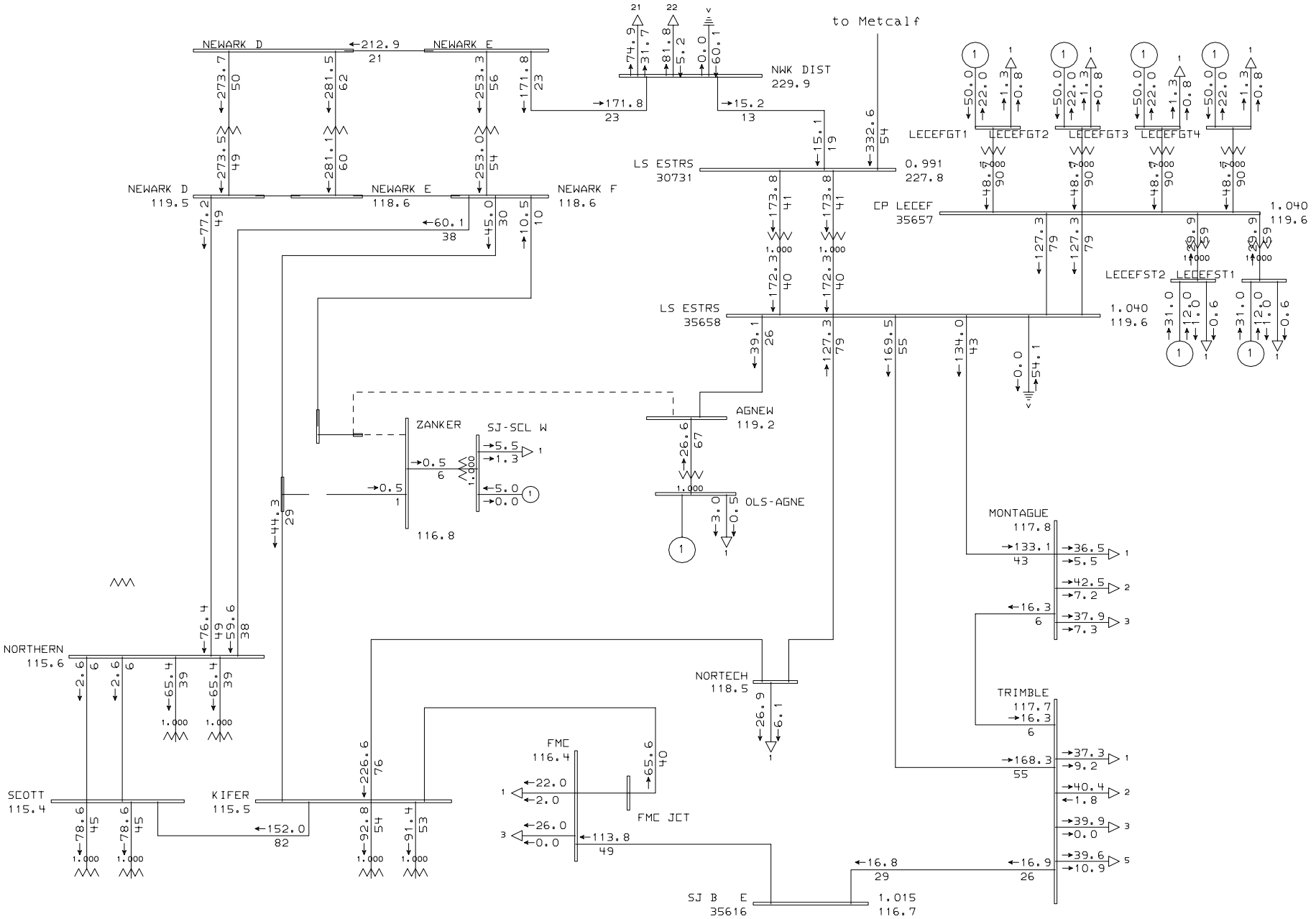
General Electric International, Inc. PSLF Program MW/Pct Mon Sep 16 12:19:19 2002

PG&E 2002 TRANSMISSION ASSESSMENT STUDY: 2004 SUMMER PEAK AREA 7/8 FL CASE
PATH15=1441MW (S-N) PATH26=2960MW (N-S) PDCI=3132MW (N-S) COI=3751NW (N-S)
PICO POWER PLANT (150 MW) - 2004 SUMMER PEAK PRE-PROJECT CASE

Los Esteros - Northern 230 kV line NOT modeled (hs04_pico_preB.sav)
Mathew - Brokaw 60 kV

C:\PSLF_work\Projects\Pico\svp
C:\PSLF_work\Projects\Pico\hs0
Rating = 2

NEWARK D
121.6
NEWARK E
120.4
NEWARK F
120.4
NWK DIST
232.2
to Metcalf
LS ESTRS
30731
1.000
230.1
LECEFGT1
LECEFGT2
LECEFGT3
LECEFGT4
CP LECEF
35657
1.049
120.6
LECEFST2
LECEFST1
LS ESTRS
35658
1.049
120.7
ZANKER
118.9
SJ-SCL W
AGNEW
120.2
OLS-AGNE
MONTAGUE
119.1
NORTHERN
117.8
NORTECH
119.9
TRIMBLE
119.0
SCOTT
117.7
KIFER
117.7
FMC
118.1
FMC JCT
PICO
117.7
PICOCT1
36863
PICOCT2
36864
1.050
14.49
PICOST1A
PICOST1B
SJ B E
35616
1.029
118.3
SJ B F
35619
1.029
118.3



General Electric International, Inc. PSLF Program MW/Pct Mon Sep 16 12:20:21 2002

PG&E 2002 TRANSMISSION ASSESSMENT STUDY: 2004 SUMMER PEAK AREA 7/8 FL CASE
PATH15=1441MW (S-N) PATH26=2960MW (N-S) PDCI=3132MW (N-S) COI=3751NW (N-S)
PICO POWER PLANT (150 MW) - 2004 SUMMER PEAK PRE-PROJECT CASE

Los Esteros - Northern 230 kV line NOT modeled (hs04_pico_preB.sav)
Piercy - McKee 60 kV

C:\PSLF_work\Projects\Pico\svp
C:\PSLF_work\Projects\Pico\hs0
Rating = 2

General Electric International, Inc. PSLF Program MW/Pct Mon Sep 16 12:20:26 2002

PG&E 2002 TRANSMISSION ASSESSMENT STUDY: 2004 SUMMER PEAK AREA 7/8 FL CASE
PATH15=1441MW (S-N) PATH26=2960MW (N-S) PDCI=3132MW (N-S) COI=3751NW (N-S)
PICO POWER PLANT (150 MW) - 2004 SUMMER PEAK POST-PROJECT CASE

Los Esteros - Northern 230 kV line NOT modeled (hs04_pico_pstB.sav)
Piercy - McKee 60 kV

C:\PSLF_work\Projects\Pico\svp
C:\PSLF_work\Projects\Pico\hs0
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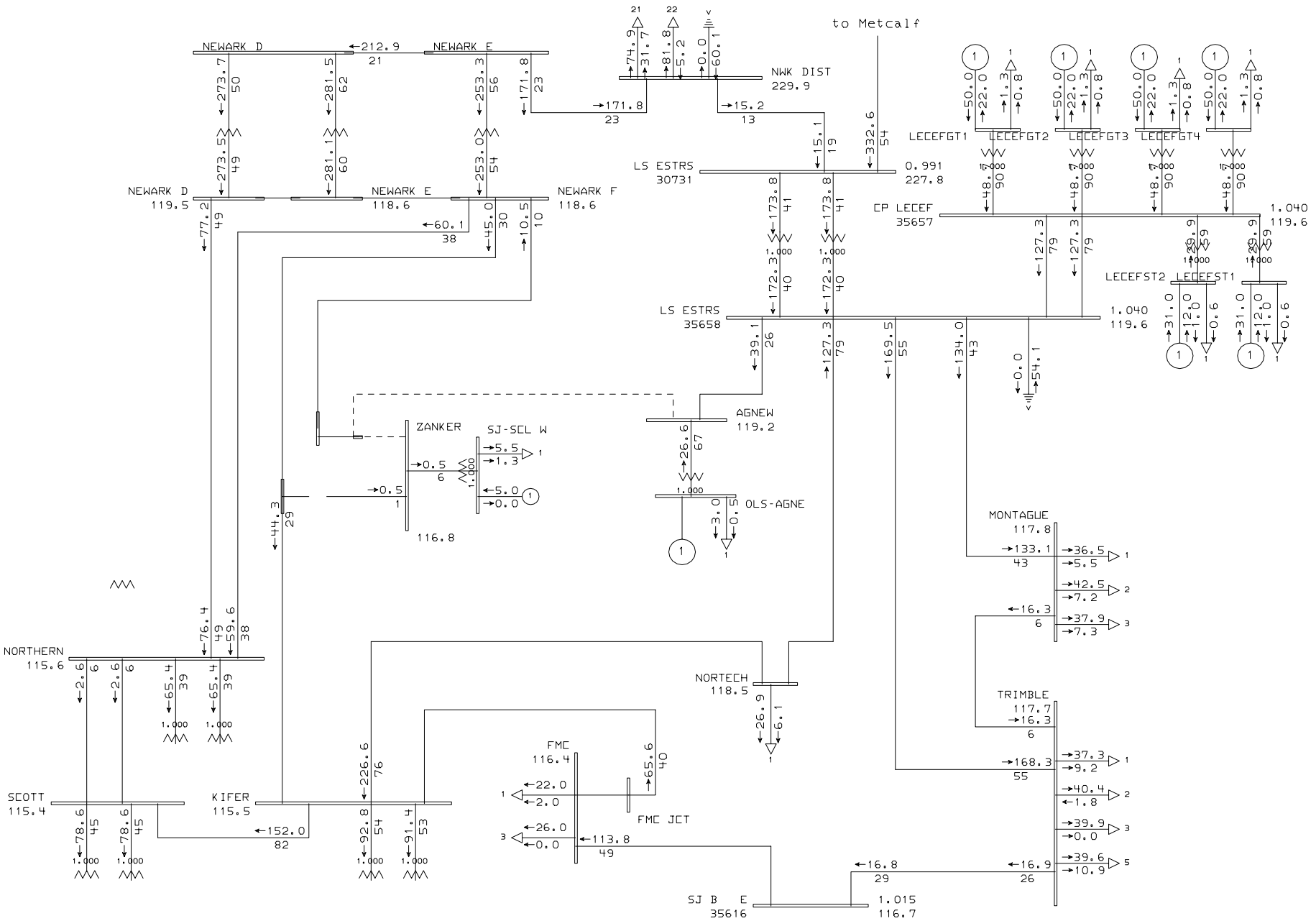
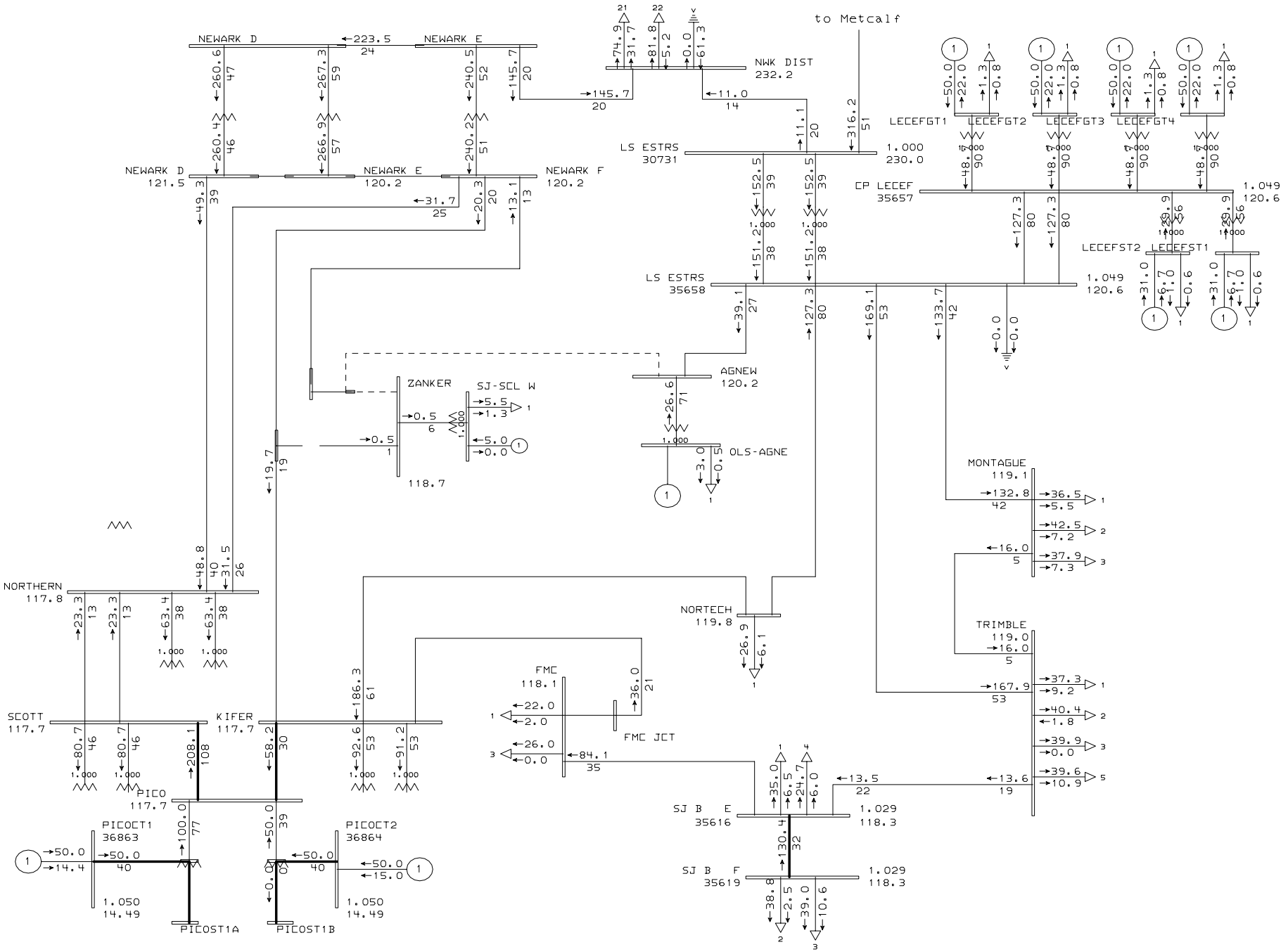

to Metcalf
NEWARK D
119.5
NEWARK E
118.6
NEWARK F
118.6
NWK DIST
229.9
LS ESTRS
30731
0.991
227.8
CP LECEF
35657
1.040
119.6
LECEFGT1
LECEFGT2
LECEFGT3
LECEFGT4
LECEFST1
LECEFST2
LS ESTRS
35658
1.040
119.6
AGNEW
119.2
ZANKER
SJ-SCL W
116.8
OLS-AGNE
MONTAGUE
117.8
NORTHERN
115.6
NORTECH
118.5
TRIMBLE
117.7
SCOTT
115.4
KIFER
115.5
FMC
116.4
FMC JCT
SJ B E
35616
1.015
116.7



General Electric International, Inc. PSLF Program MW/Pct Mon Sep 16 12:20:46 2002

PG&E 2002 TRANSMISSION ASSESSMENT STUDY: 2004 SUMMER PEAK AREA 7/8 FL CASE
PATH15=1441MW (S-N) PATH26=2960MW (N-S) PDCI=3132MW (N-S) COI=3751NW (N-S)
PICO POWER PLANT (150 MW) - 2004 SUMMER PEAK POST-PROJECT CASE

Los Esteros - Northern 230 kV line NOT modeled (hs04_pico_pstB.sav)
Piercy - Metcalf 60 kV

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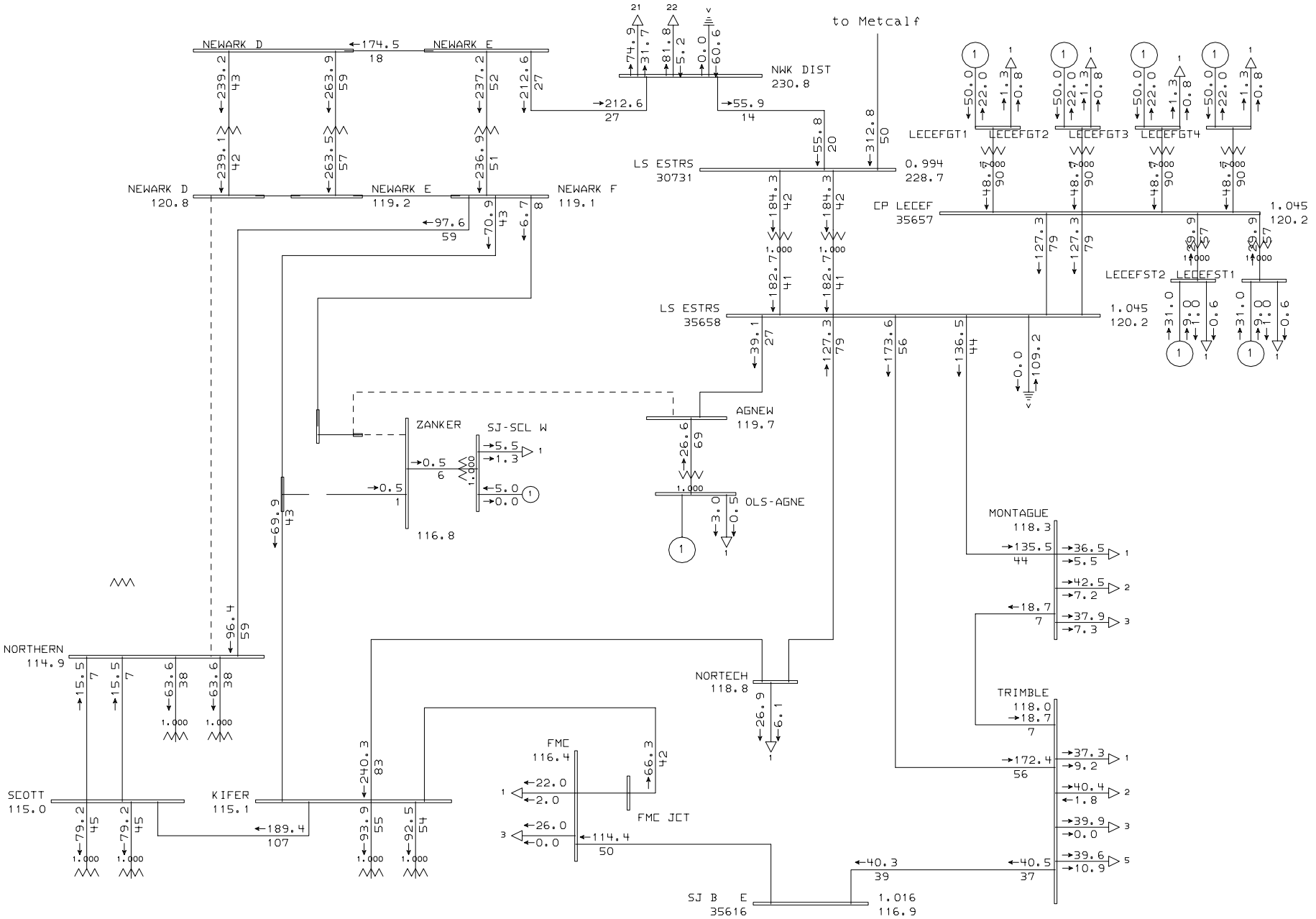
C:\PSLF_work\Projects\Pico\hs0
Rating = 2

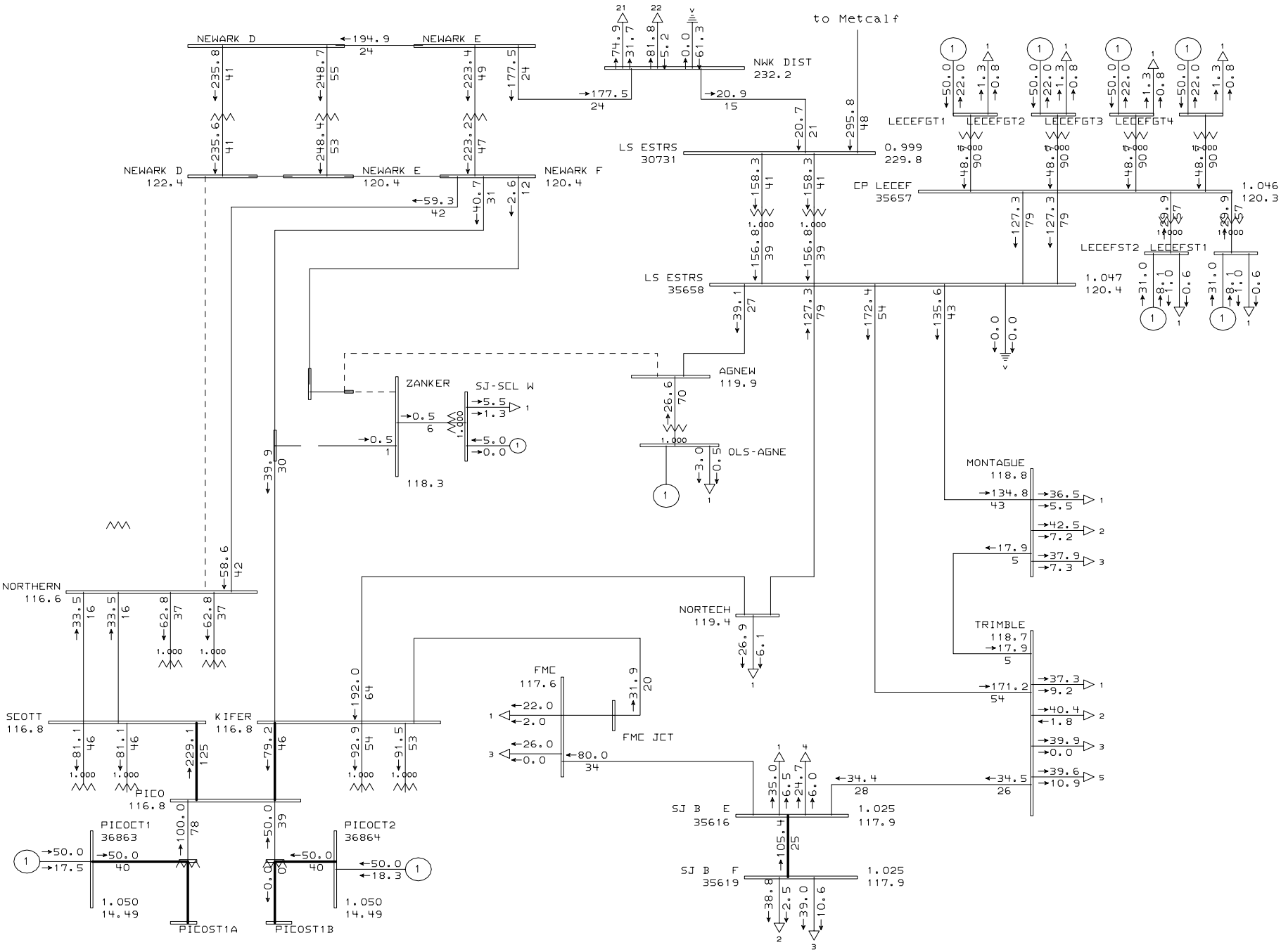


General Electric International, Inc. PSLF Program MW/Pct Mon Sep 16 12:20:55 2002

PG&E 2002 TRANSMISSION ASSESSMENT STUDY: 2004 SUMMER PEAK AREA 7/8 FL CASE
PATH15=1441MW (S-N) PATH26=2960MW (N-S) PDCI=3132MW (N-S) COI=3751NW (N-S)
PICO POWER PLANT (150 MW) - 2004 SUMMER PEAK PRE-PROJECT CASE

Los Esteros - Northern 230 kV line NOT modeled (hs04_pico_preB.sav)
Newark - Northern #1 115 kV

C:\PSLF_work\Projects\Pico\svp
C:\PSLF_work\Projects\Pico\hs0
Rating = 2



General Electric International, Inc. PSLF Program MW/Pct Mon Sep 16 12:21:00 2002

PG&E 2002 TRANSMISSION ASSESSMENT STUDY: 2004 SUMMER PEAK AREA 7/8 FL CASE
PATH15=1441MW (S-N) PATH26=2960MW (N-S) PDCI=3132MW (N-S) COI=3751NW (N-S)
PICO POWER PLANT (150 MW) - 2004 SUMMER PEAK POST-PROJECT CASE

Los Esteros - Northern 230 kV line NOT modeled (hs04_pico_pstB.sav)
Newark - Northern #1 115 kV

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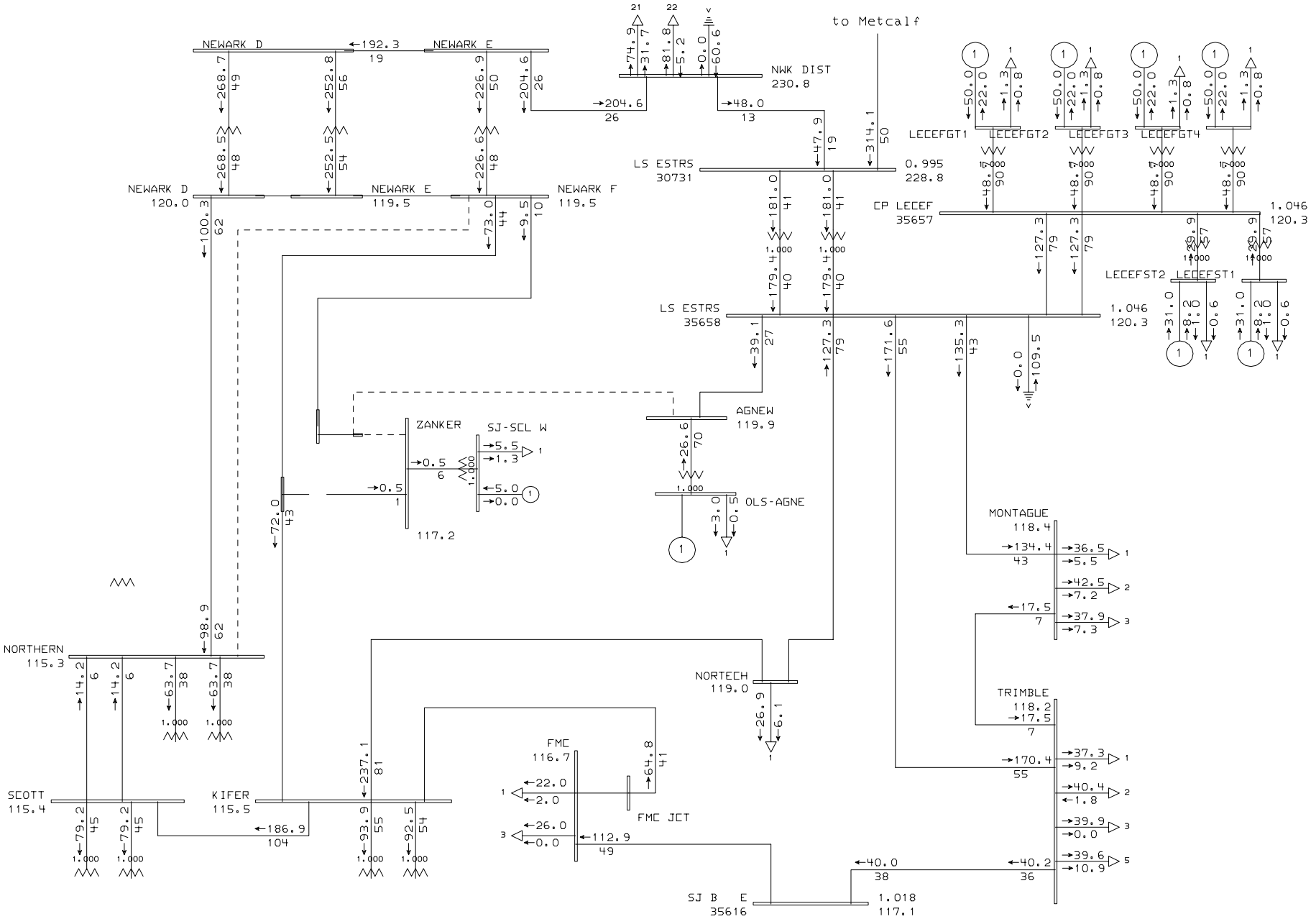
C:\PSLF_work\Projects\Pico\hs0
Rating = 2



General Electric International, Inc. PSLF Program MW/Pct Mon Sep 16 12:21:06 2002

PG&E 2002 TRANSMISSION ASSESSMENT STUDY: 2004 SUMMER PEAK AREA 7/8 FL CASE
PATH15=1441MW (S-N) PATH26=2960MW (N-S) PDCI=3132MW (N-S) COI=3751NW (N-S)
PICO POWER PLANT (150 MW) - 2004 SUMMER PEAK PRE-PROJECT CASE

Los Esteros - Northern 230 kV line NOT modeled (hs04_pico_preB.sav)
Newark - Northern #2 115 kV

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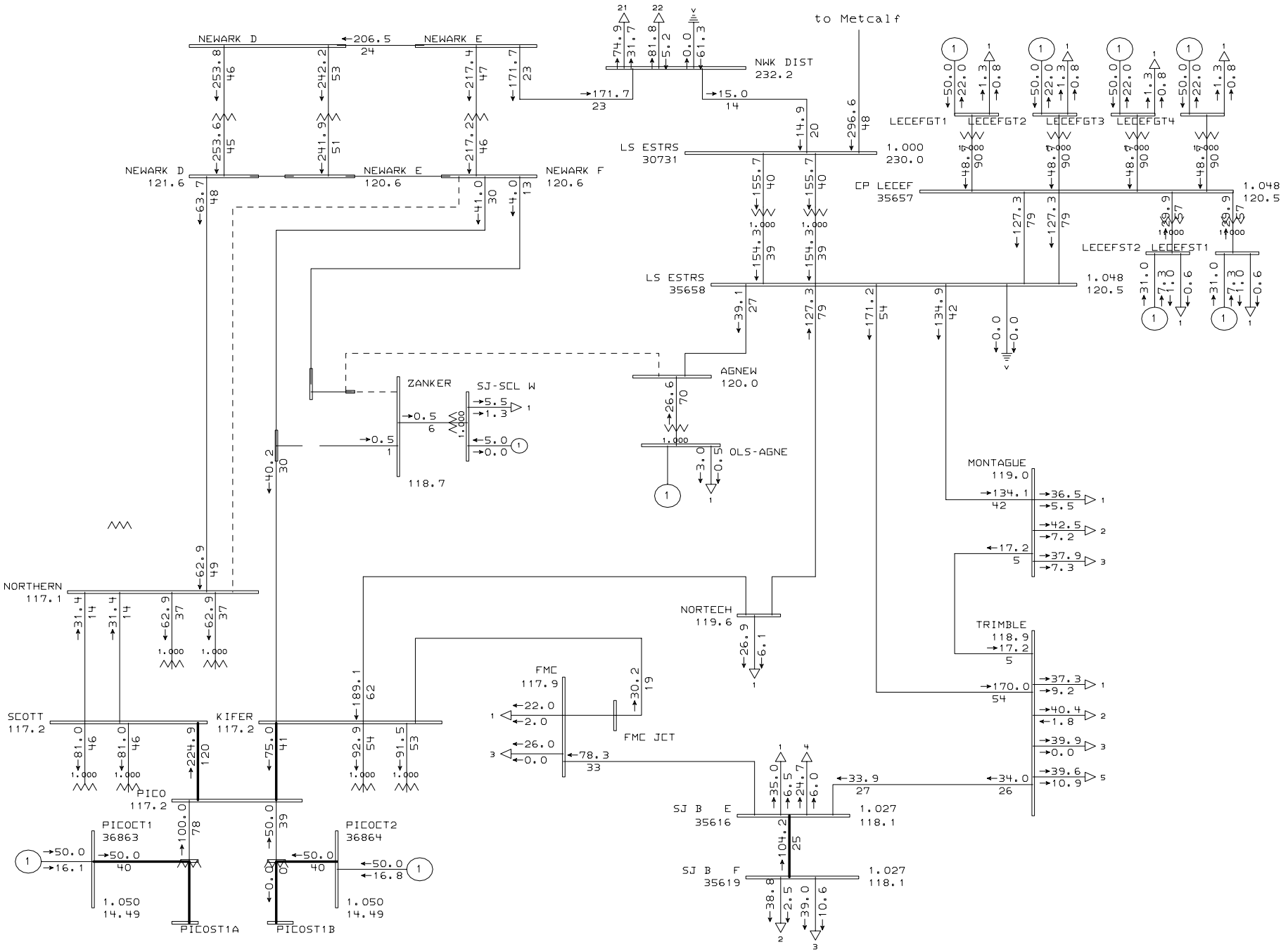
C:\PSLF_work\Projects\Pico\hs0
Rating = 2



General Electric International, Inc. PSLF Program MW/Pct Mon Sep 16 12:21:12 2002

PG&E 2002 TRANSMISSION ASSESSMENT STUDY: 2004 SUMMER PEAK AREA 7/8 FL CASE
PATH15=1441MW (S-N) PATH26=2960MW (N-S) PDCI=3132MW (N-S) COI=3751NW (N-S)
PICO POWER PLANT (150 MW) - 2004 SUMMER PEAK POST-PROJECT CASE

Los Esteros - Northern 230 kV line NOT modeled (hs04_pico_pstB.sav)
Newark - Northern #2 115 kV

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C:\PSLF_work\Projects\Pico\hs0
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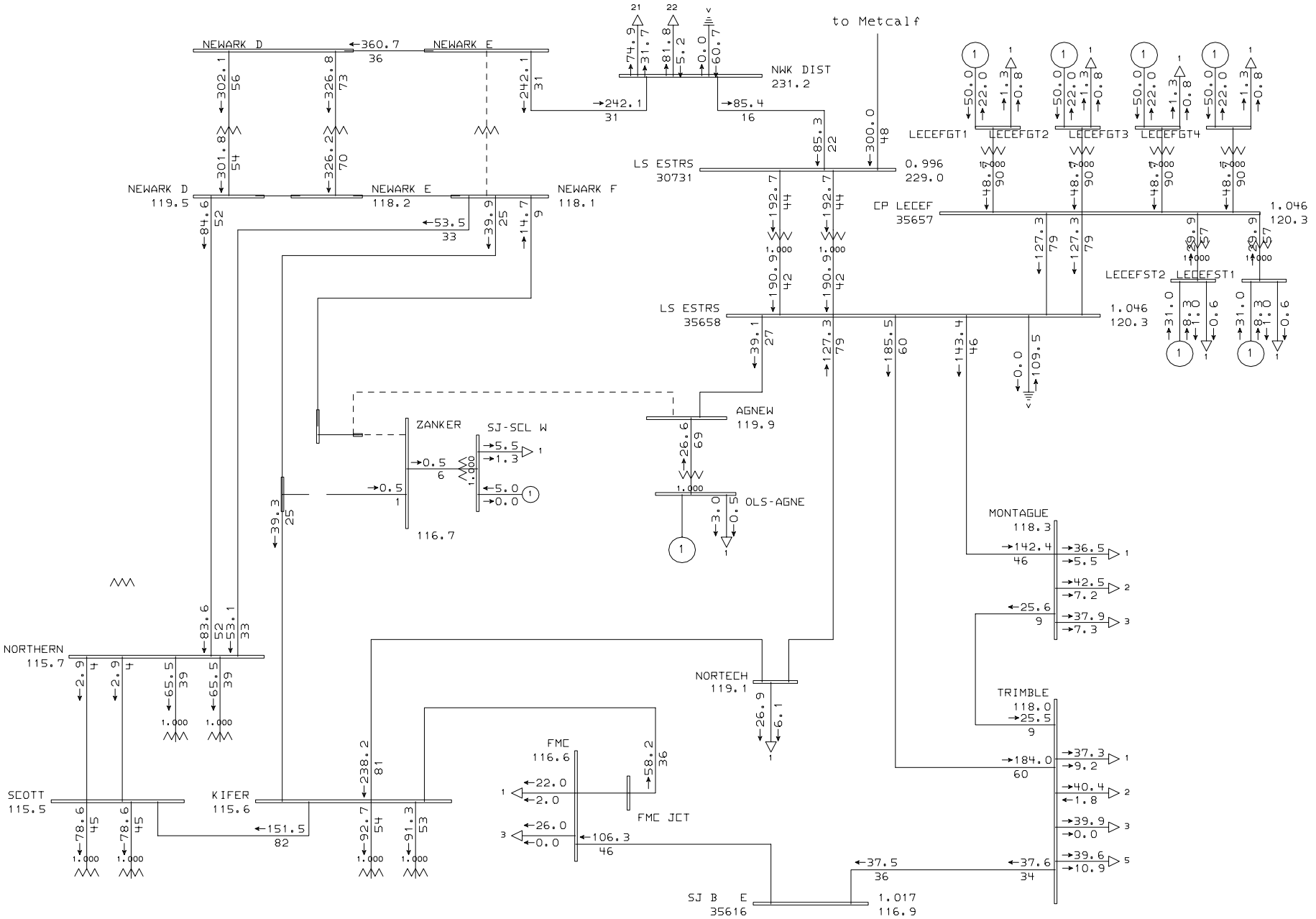
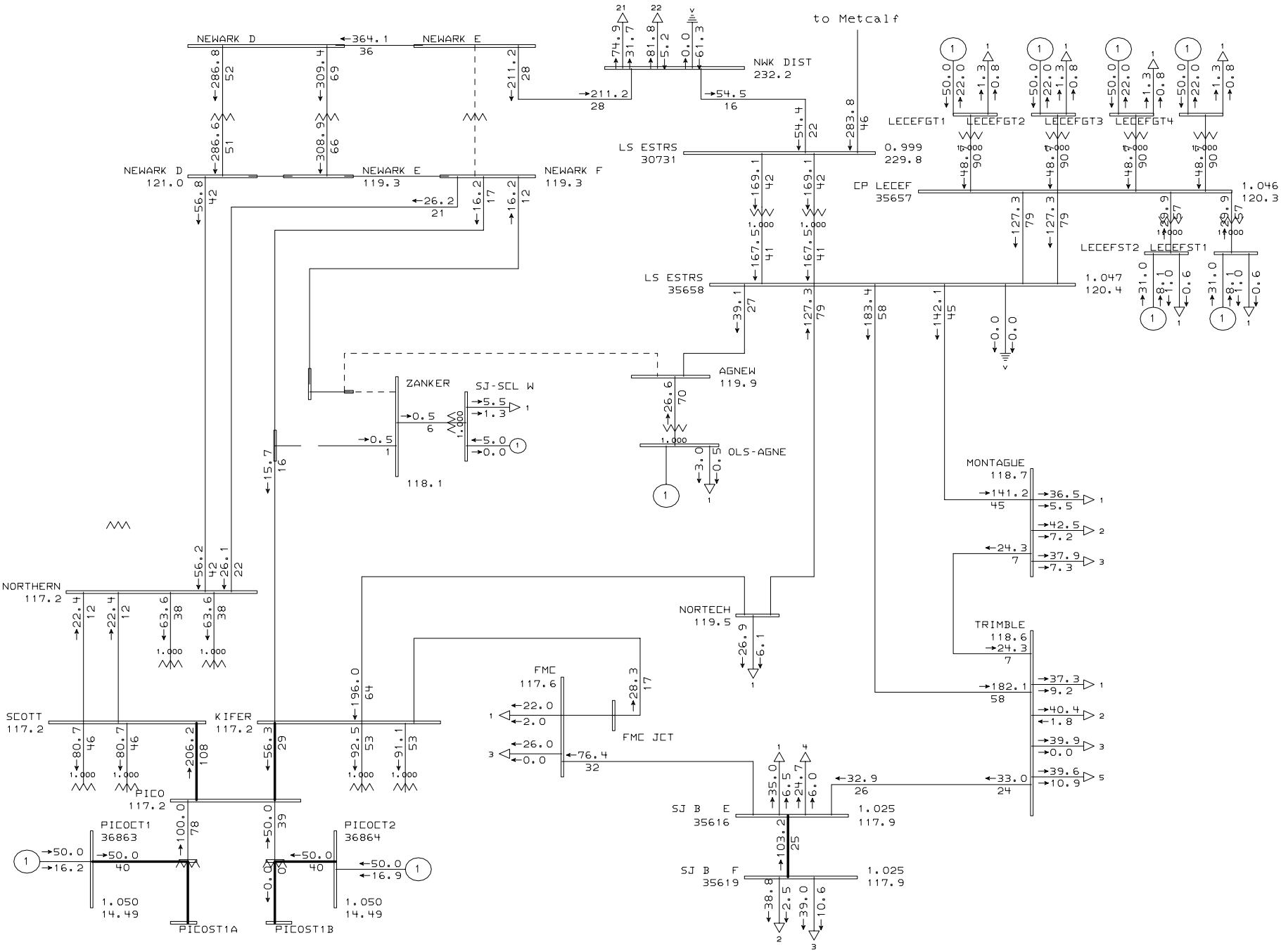

to Metcalf
NEWARK D
119.5
NEWARK E
118.2
NEWARK F
118.1
NWK DIST
231.2
LS ESTRS
30731
0.996
229.0
LECEFGT1
LECEFGT2
LECEFGT3
LECEFGT4
CP LECEF
35657
1.046
120.3
LECEFST2
LECEFST1
LS ESTRS
35658
1.046
120.3
AGNEW
119.9
ZANKER
116.7
SJ-SCL W
OLS-AGNE
MONTAGUE
118.3
NORTHERN
115.7
NORTECH
119.1
TRIMBLE
118.0
SCOTT
115.5
KIFER
115.6
FMC
116.6
FMC JCT
SJ B E
35616
1.017
116.9



General Electric International, Inc. PSLF Program MW/Pct Mon Sep 16 12:42:06 2002

PG&E 2002 TRANSMISSION ASSESSMENT STUDY: 2004 SUMMER PEAK AREA 7/8 FL CASE
PATH15=1441MW (S-N) PATH26=2960MW (N-S) PDCI=3132MW (N-S) COI=3751NW (N-S)
PICO POWER PLANT (150 MW) - 2004 SUMMER PEAK POST-PROJECT CASE

Los Esteros - Northern 230 kV line NOT modeled (hs04_pico_pstB.sav)
Newark 230/115 kV Bank 11

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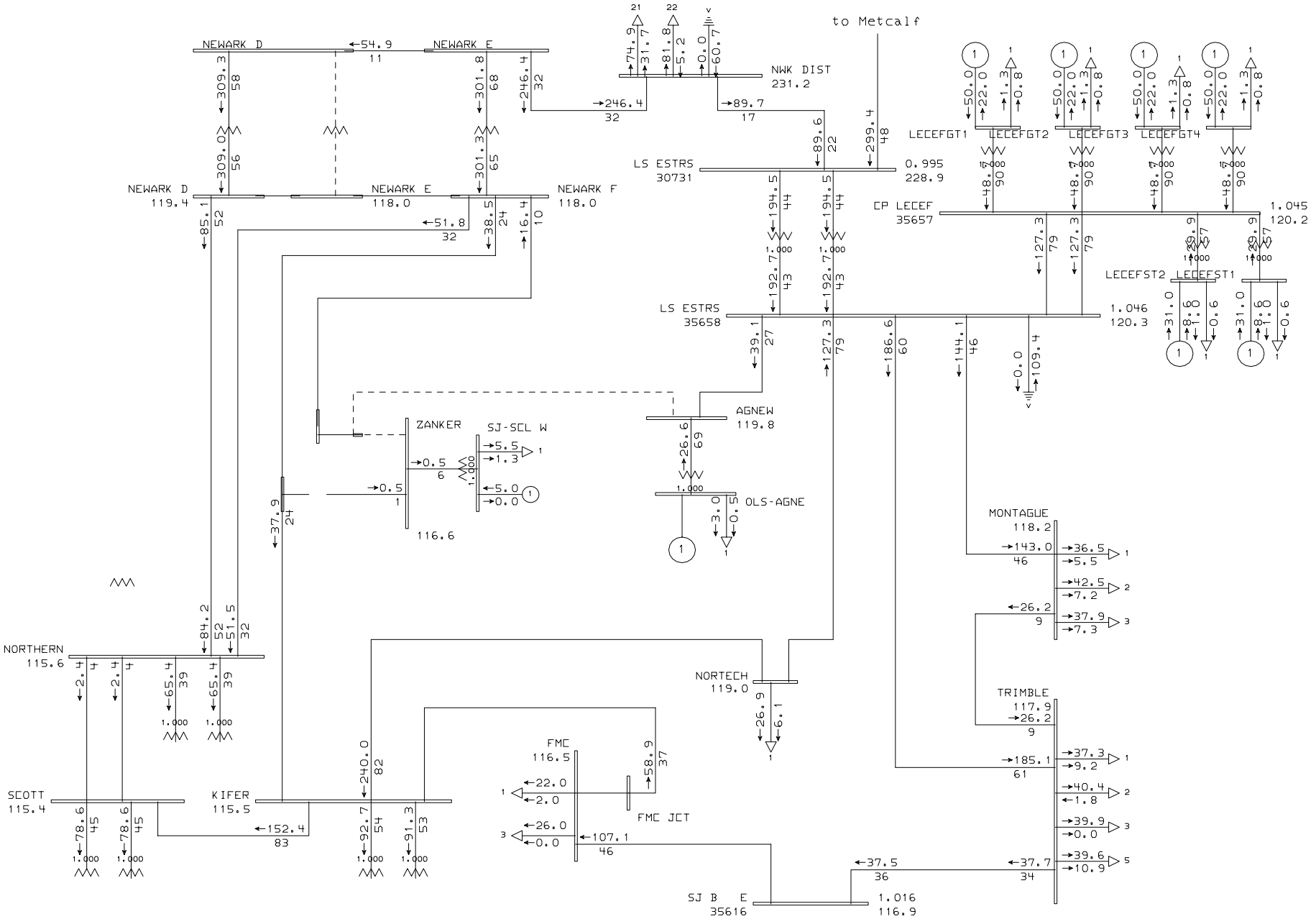
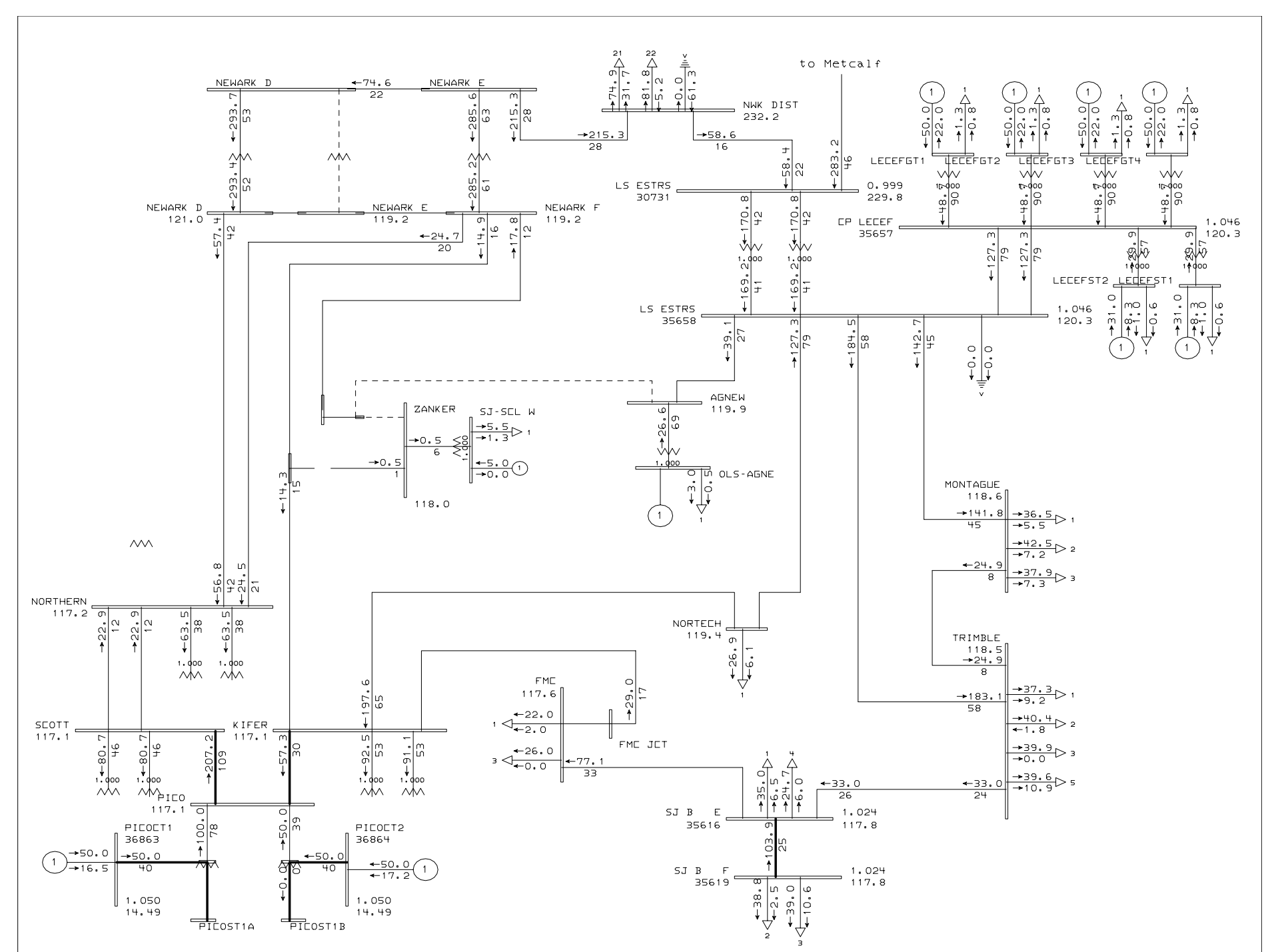
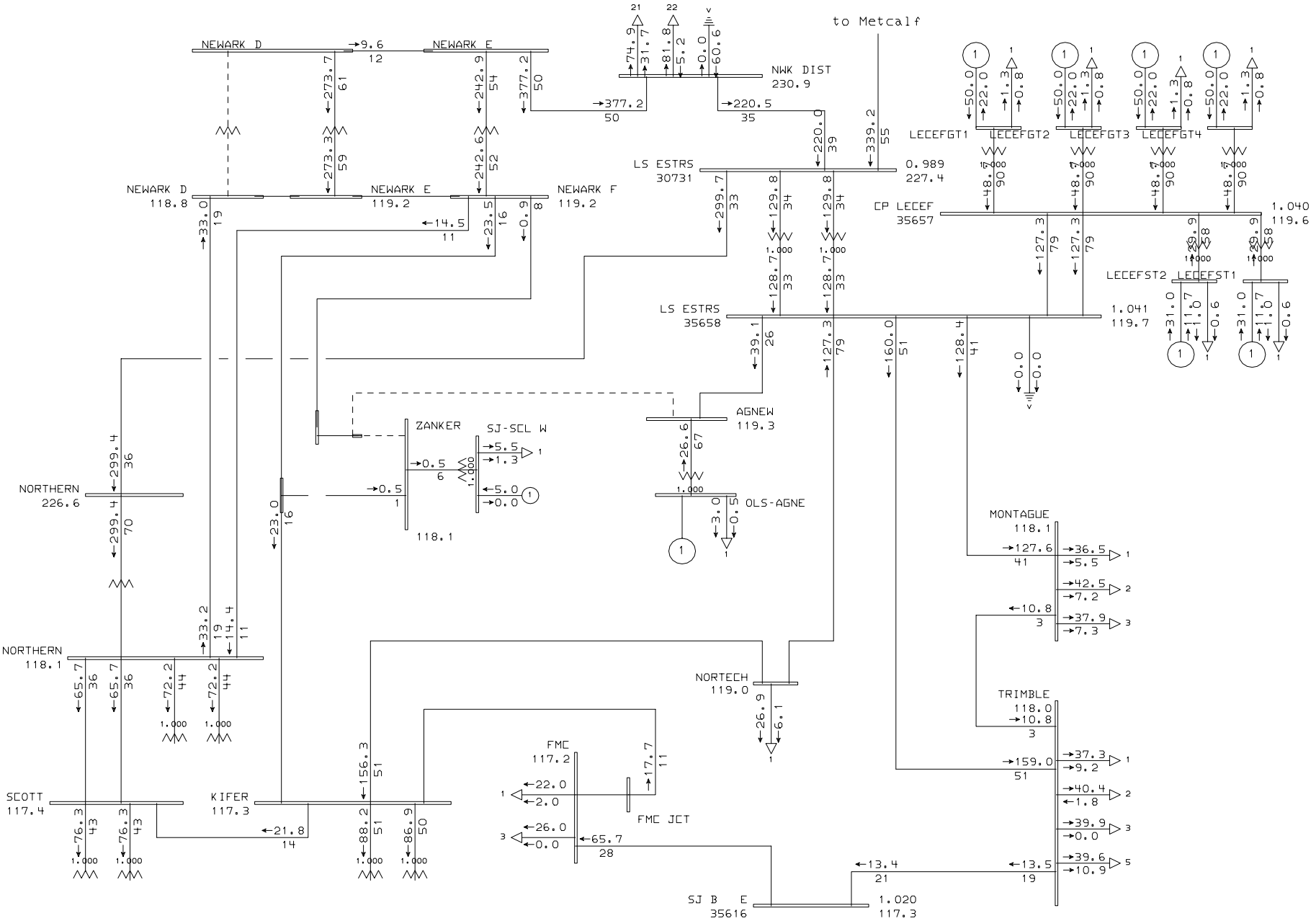
hs04_pico_pstB_tap.sav
Rating = 2


to Metcalf
NEWARK D
NEWARK E
NEWARK F
NWK DIST
231.2
LS ESTRS
30731
0.995
228.9
CP LECEF
35657
1.045
120.2
LECEFGT1
LECEFGT2
LECEFGT3
LECEFGT4
LECEFST1
LECEFST2
LS ESTRS
35658
1.046
120.3
AGNEW
119.8
ZANKER
116.6
SJ-SCL W
OLS-AGNE
MONTAGUE
118.2
TRIMBLE
117.9
NORTECH
119.0
NORTHERN
115.6
SCOTT
115.4
KIFER
115.5
FMC
116.5
FMC JCT
SJ B E
35616
1.016
116.9


NEWARK D
121.0
NEWARK E
119.2
NEWARK F
119.2
NWK DIST
232.2
to Metcalf
LS ESTRS
30731
0.999
229.8
LECEFGT1
LECEFGT2
LECEFGT3
LECEFGT4
CP LECEF
35657
1.046
120.3
LECEFST2
LECEFST1
LS ESTRS
35658
1.046
120.3
ZANKER
118.0
SJ-SCL W
AGNEW
119.9
OLS-AGNE
MONTAGUE
118.6
TRIMBLE
118.5
NORTECH
119.4
NORTHERN
117.2
SCOTT
117.1
KIFER
117.1
FMC
117.6
FMC JCT
PICO
117.1
PICOCT1
36863
1.050
14.49
PICOCT2
36864
1.050
14.49
PICOST1A
PICOST1B
SJ B E
35616
1.024
117.8
SJ B F
35619
1.024
117.8



General Electric International, Inc. PSLF Program MW/Pct Mon Sep 16 12:41:22 2002

PG&E 2002 TRANSMISSION ASSESSMENT STUDY: 2004 SUMMER PEAK AREA 7/8 FL CASE
PATH15=1441MW (S-N) PATH26=2960MW (N-S) PDCI=3132MW (N-S) COI=3751NW (N-S)
PICO POWER PLANT (150 MW) - 2004 SUMMER PEAK PRE-PROJECT CASE

Los Esteros - Northern 230 kV line modeled (hs04_pico_preA.sav)
Newark 230/115 kV Bank 9

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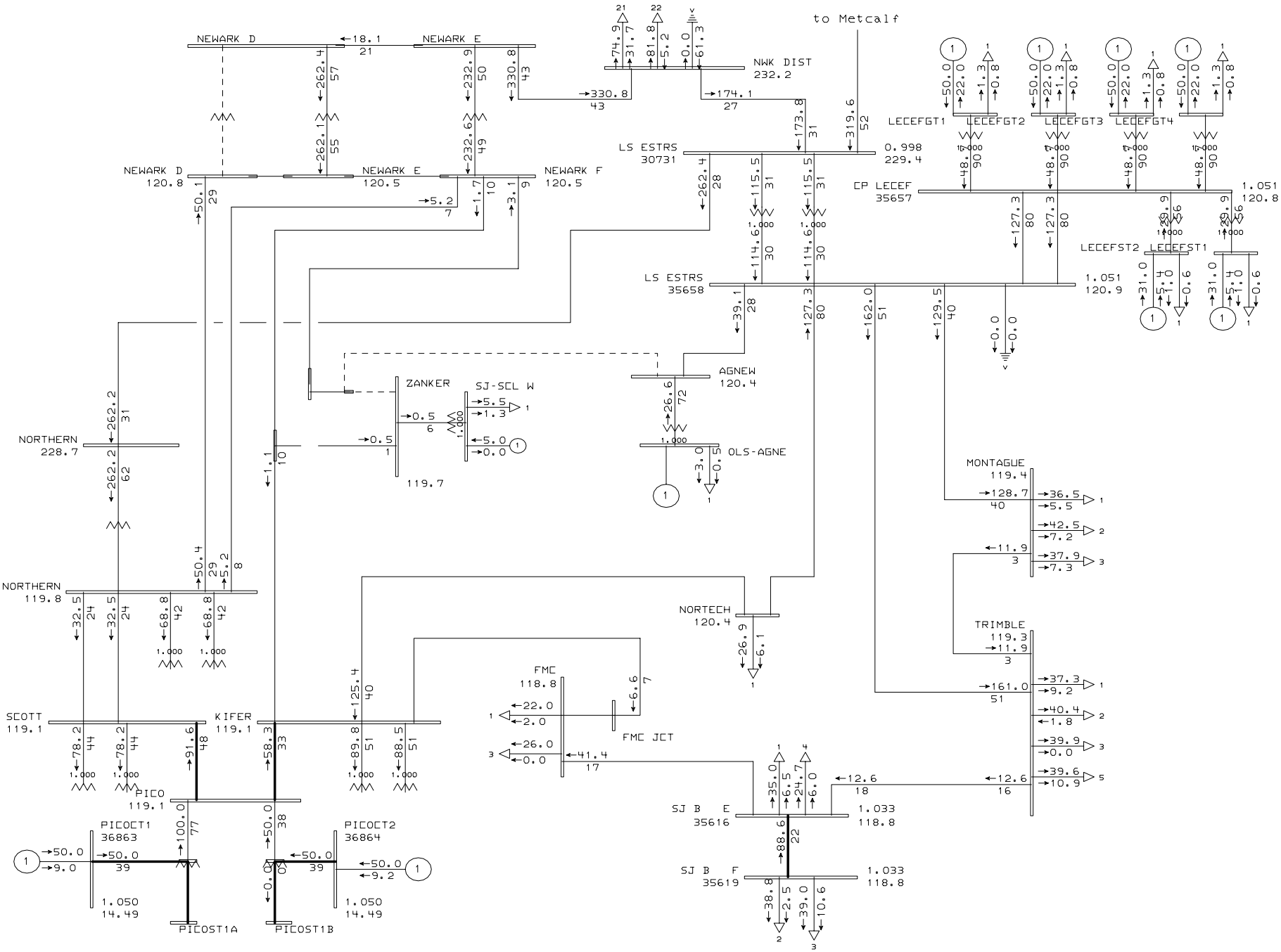
hs04_pico_preA_tap.sav
Rating = 2

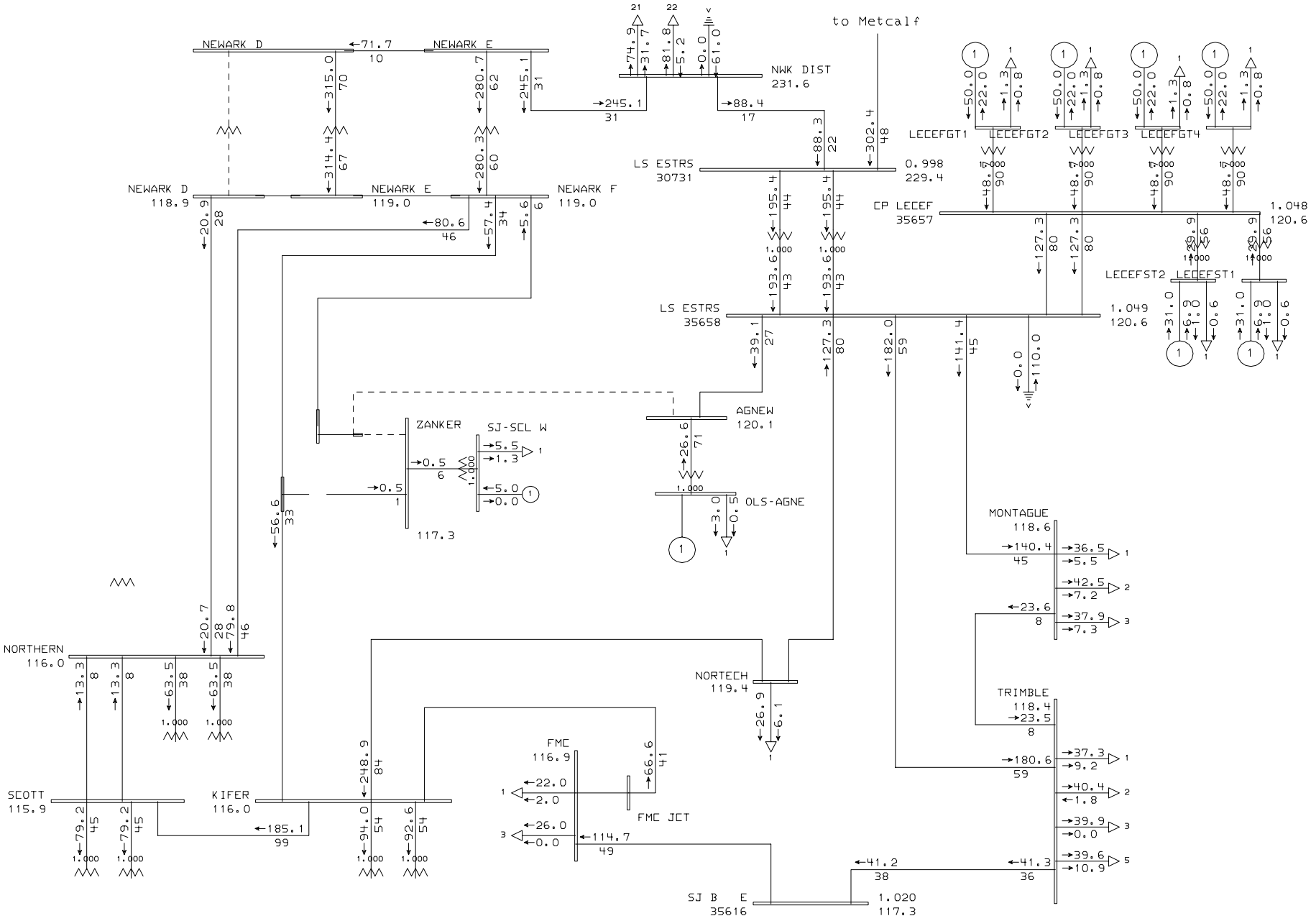


General Electric International, Inc. PSLF Program MW/Pct Mon Sep 16 12:41:27 2002

PG&E 2002 TRANSMISSION ASSESSMENT STUDY: 2004 SUMMER PEAK AREA 7/8 FL CASE
PATH15=1441MW (S-N) PATH26=2960MW (N-S) PDCI=3132MW (N-S) COI=3751NW (N-S)
PICO POWER PLANT (150 MW) - 2004 SUMMER PEAK POST-PROJECT CASE

Los Esteros - Northern 230 kV line modeled (hs04_pico_pstA.sav)
Newark 230/115 kV Bank 9

svp_115pst.drw
hs04_pico_pstA_tap.sav
Rating = 2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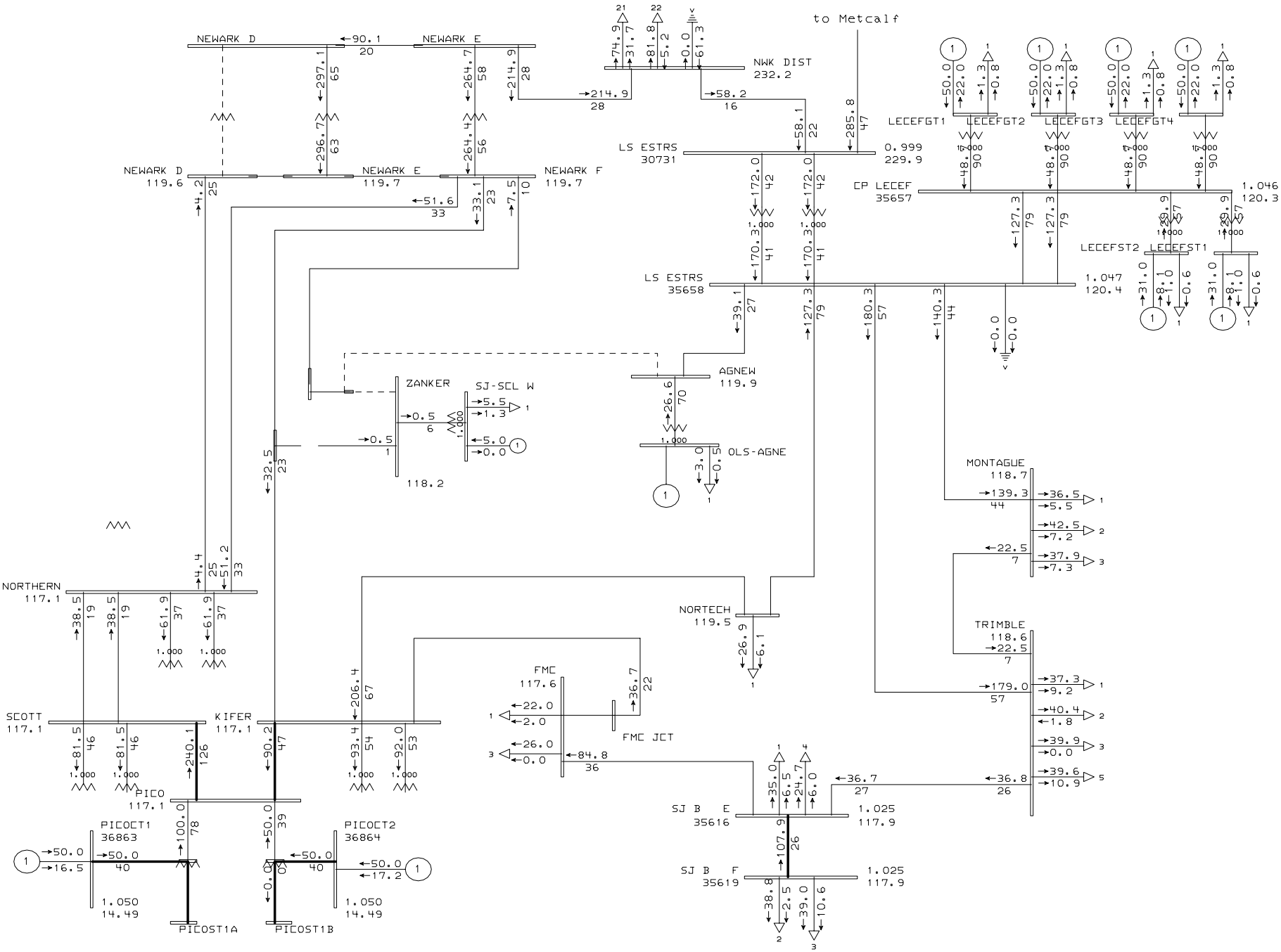
NEWARK D
NEWARK E
NEWARK F
NWK DIST
231.6
LS ESTRS
30731
0.998
229.4
LECEFGT1
LECEFGT2
LECEFGT3
LECEFGT4
CP LECEF
35657
1.048
120.6
LECEFST2
LECEFST1
LS ESTRS
35658
1.049
120.6
AGNEW
120.1
ZANKER
SJ-SCL W
OLS-AGNE
117.3
MONTAGUE
118.6
NORTHERN
116.0
NORTECH
119.4
TRIMBLE
118.4
SCOTT
115.9
KIFER
116.0
FMC
116.9
FMC JCT
SJ B E
35616
1.020
117.3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119.6
NEWARK E
119.7
NEWARK F
119.7
NWK DIST
232.2
to Metcalf
LS ESTRS
30731
0.999
229.9
CP LECEF
35657
1.046
120.3
LECEFGT1
LECEFGT2
LECEFGT3
LECEFGT4
LECEFST1
LECEFST2
LS ESTRS
35658
1.047
120.4
AGNEW
119.9
ZANKER
118.2
SJ-SCL W
OLS-AGNE
MONTAGUE
118.7
TRIMBLE
118.6
NORTECH
119.5
NORTHERN
117.1
SCOTT
117.1
KIFER
117.1
PICO
117.1
FMC
117.6
FMC JCT
SJ B E
35616
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35619
1.025
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1.050
14.49
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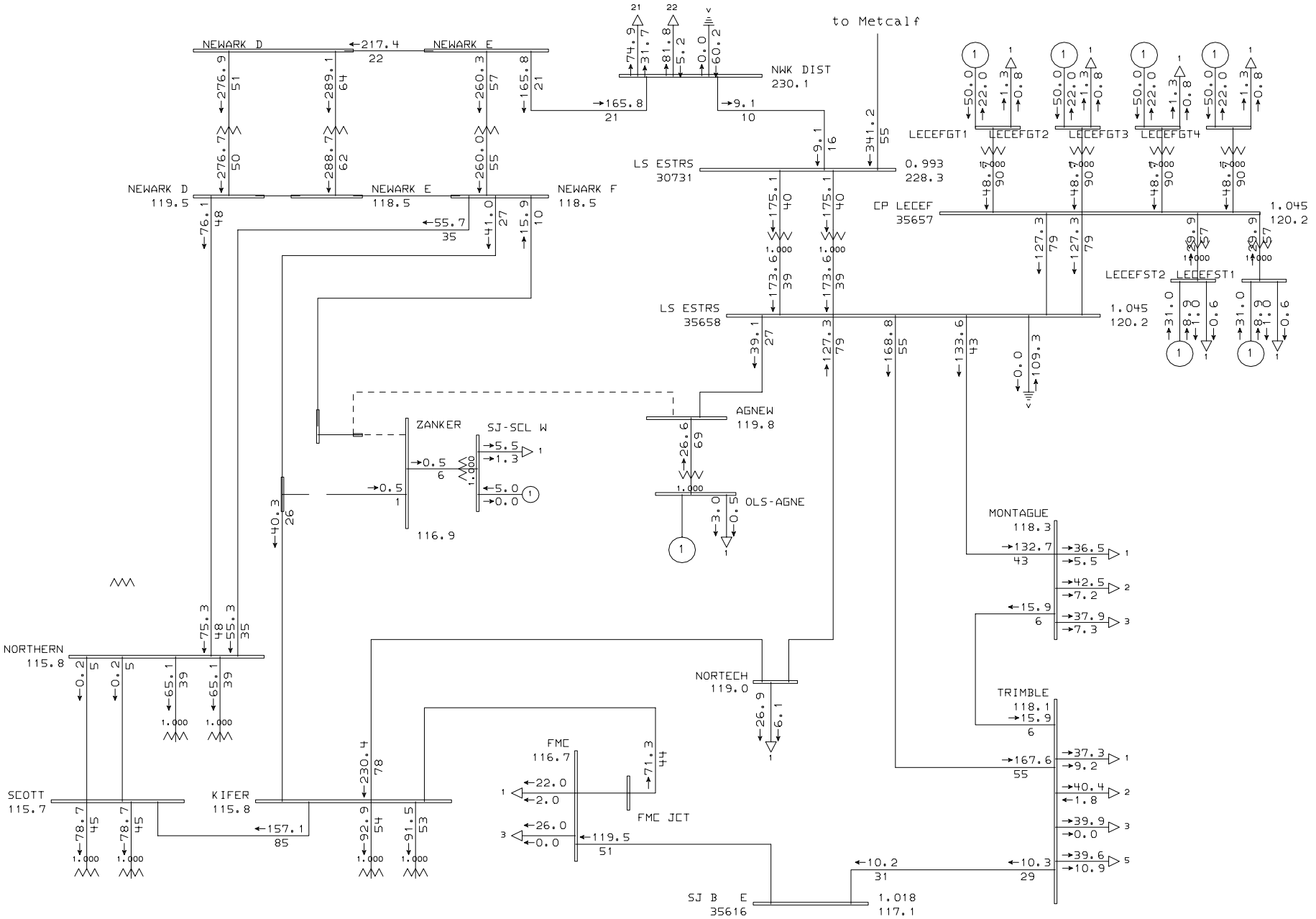
PICOST1B


to Metcalf
NEWARK D
119.5
NEWARK E
118.5
NEWARK F
118.5
NWK DIST
230.1
LS ESTRS
30731
0.993
228.3
CP LECEF
35657
1.045
120.2
LECEFGT1
LECEFGT2
LECEFGT3
LECEFGT4
LECEFST1
LECEFST2
LS ESTRS
35658
1.045
120.2
AGNEW
119.8
ZANKER
116.9
SJ-SCL W
OLS-AGNE
MONTAGUE
118.3
TRIMBLE
118.1
NORTECH
119.0
NORTHERN
115.8
SCOTT
115.7
KIFER
115.8
FMC
116.7
FMC JCT
SJ B E
35616
1.018
117.1

General Electric International, Inc. PSLF Program MW/Pct Mon Sep 16 12:20:07 2002

PG&E 2002 TRANSMISSION ASSESSMENT STUDY: 2004 SUMMER PEAK AREA 7/8 FL CASE
PATH15=1441MW (S-N) PATH26=2960MW (N-S) PDCI=3132MW (N-S) COI=3751NW (N-S)
PICO POWER PLANT (150 MW) - 2004 SUMMER PEAK POST-PROJECT CASE

Los Esteros - Northern 230 kV line NOT modeled (hs04_pico_pstB.sav)
Swift - Metcalf 60 kV

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C:\PSLF_work\Projects\Pico\hs0
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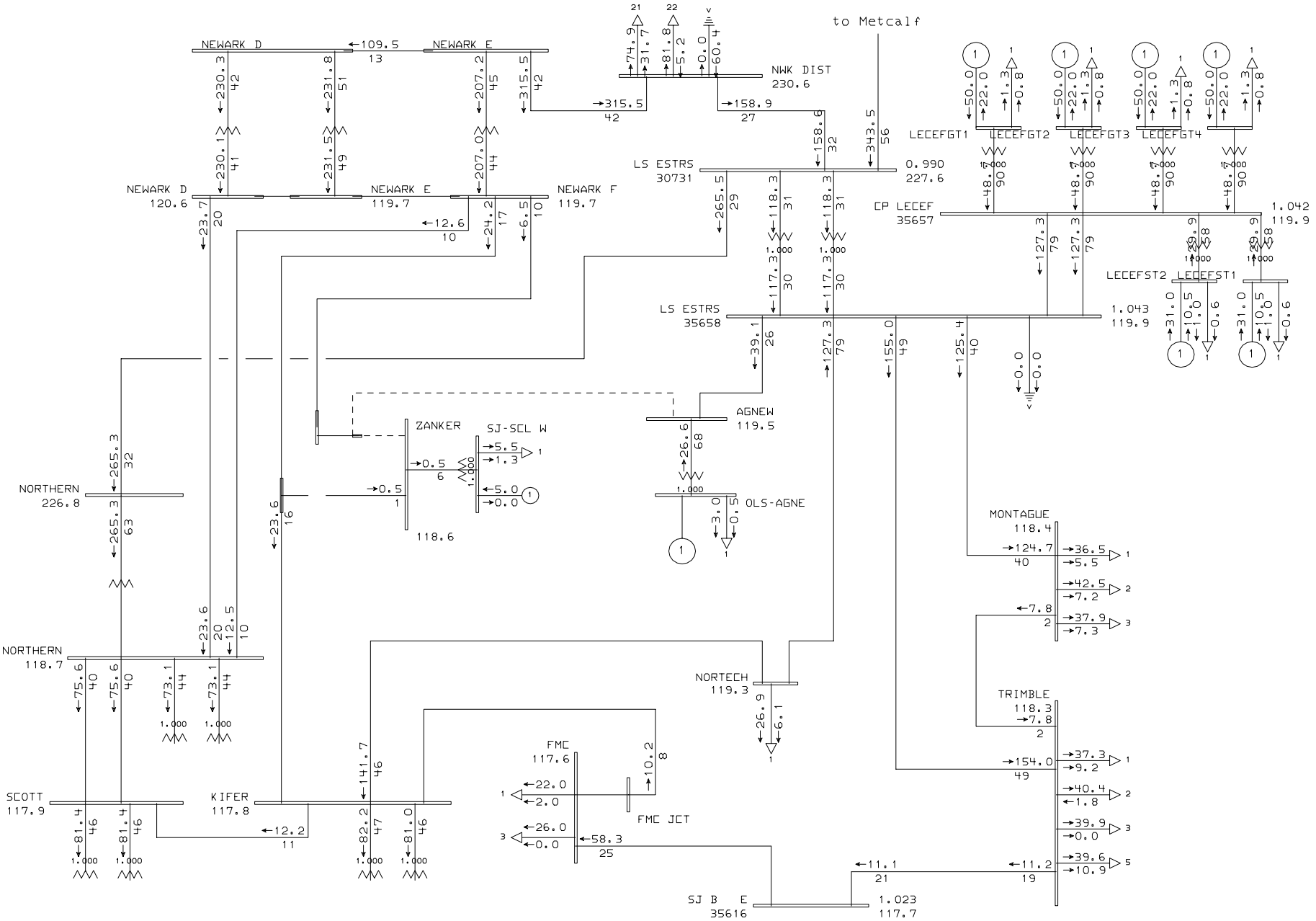
NEWARK D
120.6
NEWARK E
119.7
NEWARK F
119.7
NWK DIST
230.6
to Metcalf
LS ESTRS
30731
0.990
227.6
LECEFGT1
LECEFGT2
LECEFGT3
LECEFGT4
CP LECEF
35657
1.042
119.9
LECEFST2
LECEFST1
LS ESTRS
35658
1.043
119.9
AGNEW
119.5
ZANKER
118.6
SJ-SCL W
OLS-AGNE
NORTHERN
226.8
NORTHERN
118.7
SCOTT
117.9
KIFER
117.8
NORTECH
119.3
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FMC JCT
MONTAGUE
118.4
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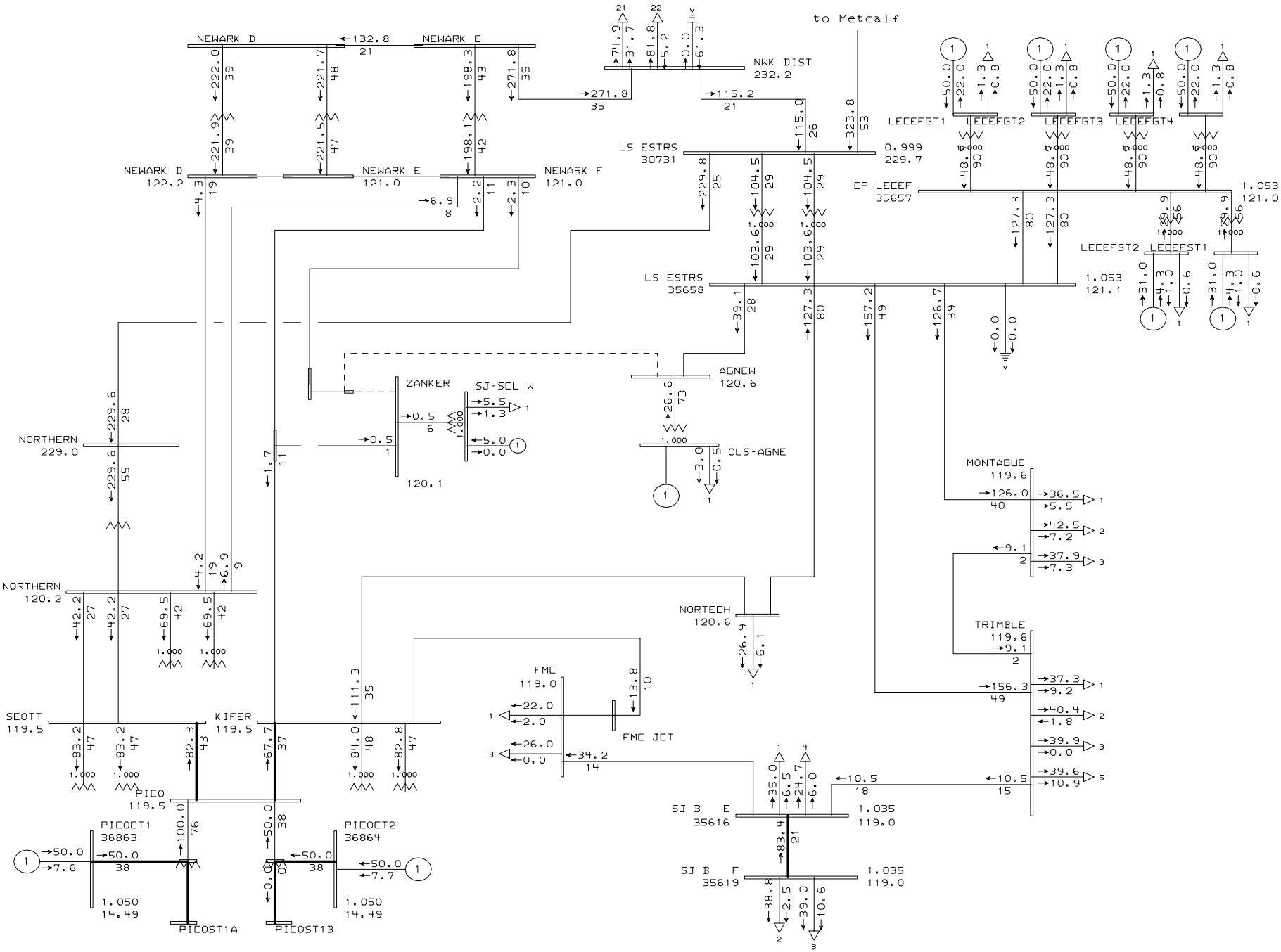
118.3
SJ B E
35616
1.023
117.7



General Electric International, Inc. PSLF Program MW/Pct Mon Sep 16 12:22:02 2002

PG&E 2002 TRANSMISSION ASSESSMENT STUDY: 2004 SUMMER PEAK AREA 7/8 FL CASE
PATH15=1441MW (S-N) PATH26=2960MW (N-S) PDCI=3132MW (N-S) COI=3751NW (N-S)
PICO POWER PLANT (150 MW) - 2004 SUMMER PEAK POST-PROJECT CASE

Los Esteros - Northern 230 kV line modeled (hs04_pico_pstA.sav)
Walsh - Uranium 60 kV

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C:\PSLF_work\Projects\Pico\hs0
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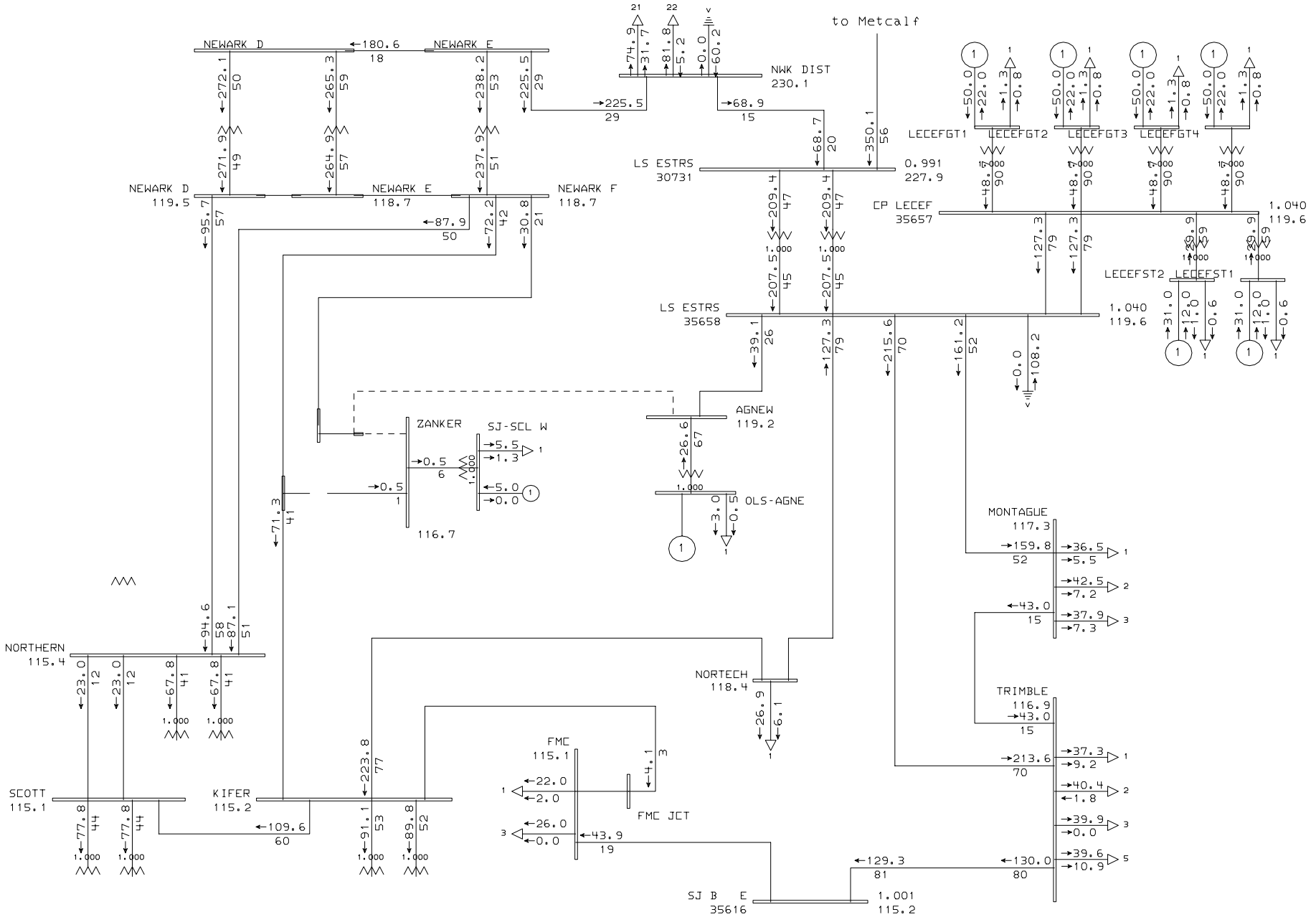
Appendix III

Table 2 Outage Plots



General Electric International, Inc. PSLF Program MW/Pct Mon Sep 16 12:22:22 2002

PG&E 2002 TRANSMISSION ASSESSMENT STUDY: 2004 SUMMER PEAK AREA 7/8 FL CASE
PATH15=1441MW (S-N) PATH26=2960MW (N-S) PDCI=3132MW (N-S) COI=3751NW (N-S)
PICO POWER PLANT (150 MW) - 2004 SUMMER PEAK PRE-PROJECT CASE

Los Esteros - Northern 230 kV line NOT modeled (hs04_pico_preB.sav)
Los Esteros - Trimble and Montague 115 kV DLO

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C:\PSLF_work\Projects\Pico\hs0
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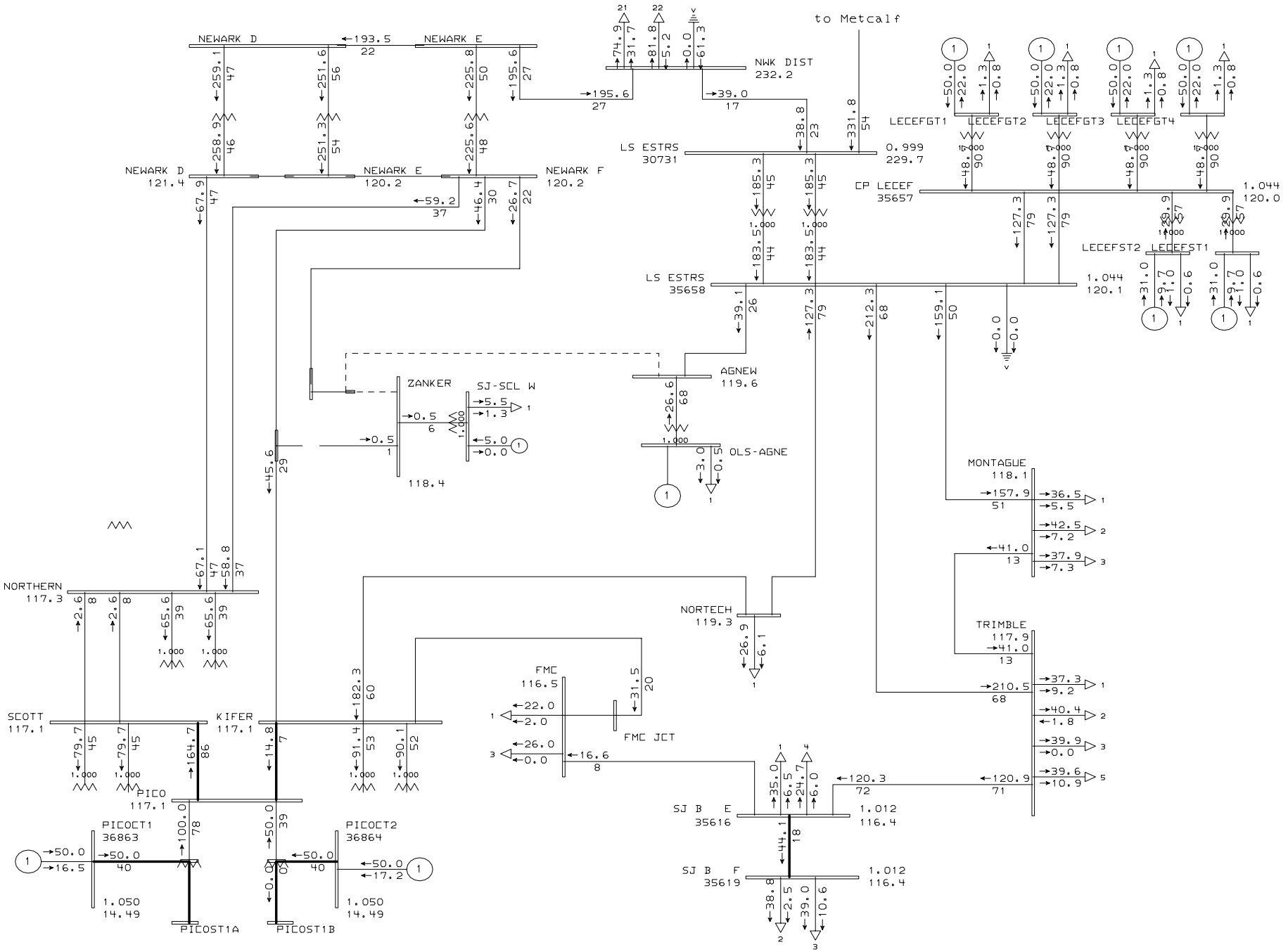

General Electric International, Inc. PSLF Program MW/Pct Mon Sep 16 12:22:27 2002

PG&E 2002 TRANSMISSION ASSESSMENT STUDY: 2004 SUMMER PEAK AREA 7/8 FL CASE
PATH15=1441MW (S-N) PATH26=2960MW (N-S) PDCI=3132MW (N-S) COI=3751NW (N-S)
PICO POWER PLANT (150 MW) - 2004 SUMMER PEAK POST-PROJECT CASE

Los Esteros - Northern 230 kV line NOT modeled (hs04_pico_pstB.sav)
Los Esteros - Trimble and Montague 115 kV DLO

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C:\PSLF_work\Projects\Pico\hs0
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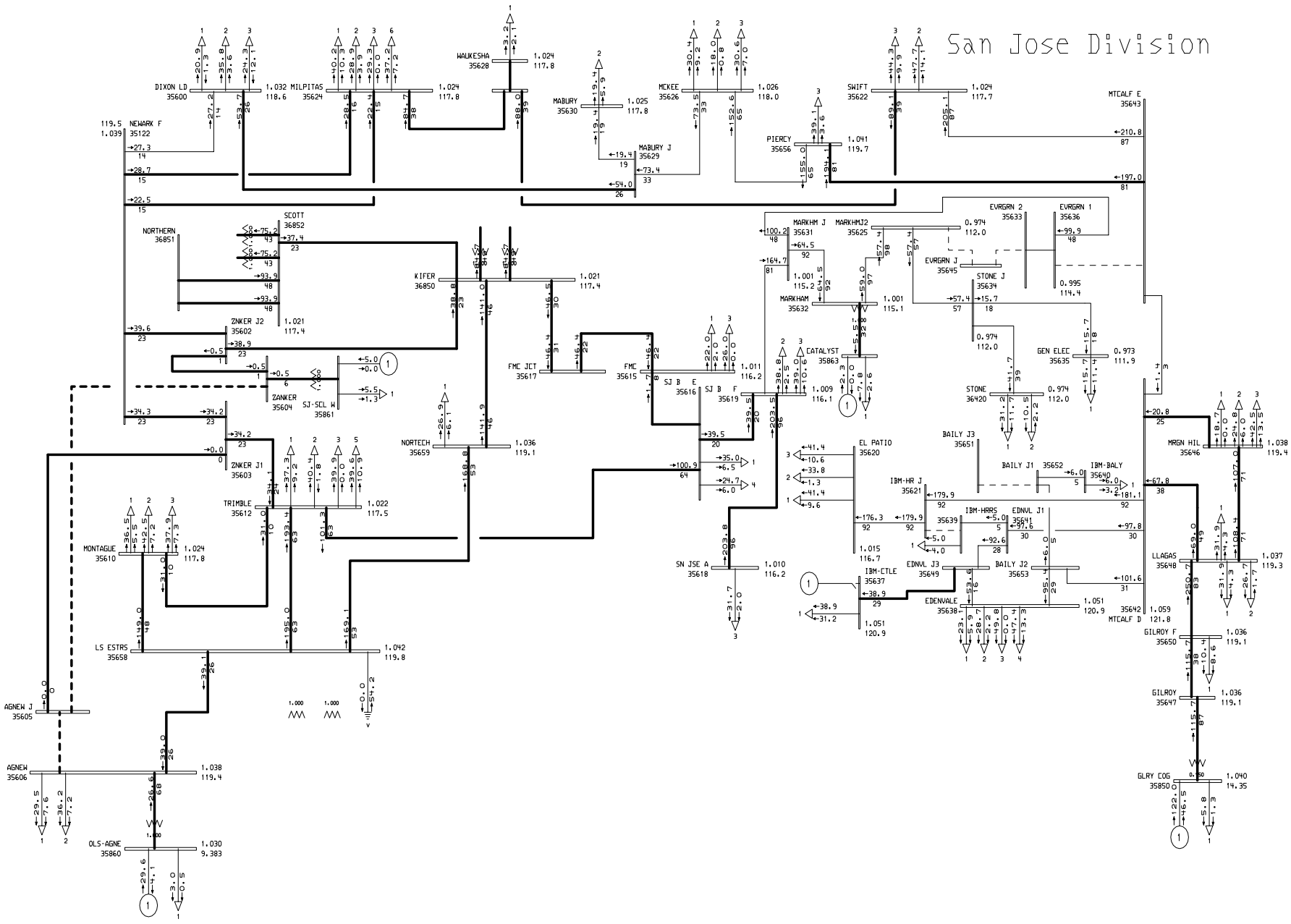

General Electric International, Inc. PSLF Program MW/Pct Mon Sep 16 12:08:38 2002

PG&E 2002 TRANSMISSION ASSESSMENT STUDY: 2004 SUMMER PEAK AREA 7/8 FL CASE
PATH15=1441MW (S-N) PATH26=2960MW (N-S) PDCI=3132MW (N-S) COI=3751NW (N-S)
PICO POWER PLANT (150 MW) - 2004 SUMMER PEAK PRE-PROJECT CASE

Los Esteros - Northern 230 kV line modeled (hs04_pico_preA.sav)
Metcalf-Evergreen #1 and #2 115 kV DLO

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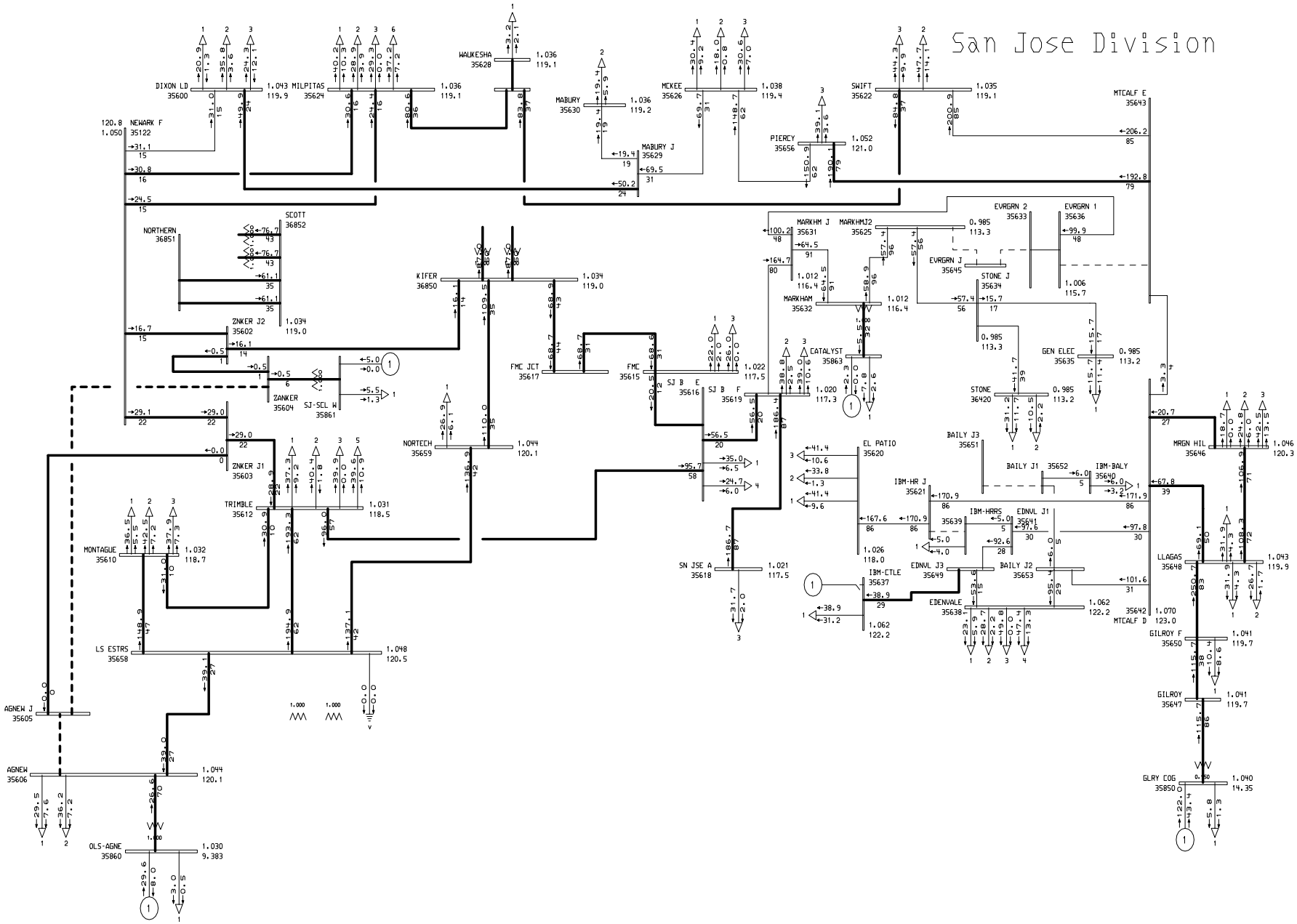
C:\PSLF_work\Projects\Pico\hs0
Rating = 2



General Electric International, Inc. PSLF Program MW/Pct Mon Sep 16 12:08:44 2002

PG&E 2002 TRANSMISSION ASSESSMENT STUDY: 2004 SUMMER PEAK AREA 7/8 FL CASE
PATH15=1441MW (S-N) PATH26=2960MW (N-S) PDCI=3132MW (N-S) COI=3751NW (N-S)
PICO POWER PLANT (150 MW) - 2004 SUMMER PEAK POST-PROJECT CASE

Los Esteros - Northern 230 kV line modeled (hs04_pico_pstA.sav)
Metcalf-Evergreen #1 and #2 115 kV DLO

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C:\PSLF_work\Projects\Pico\hs0
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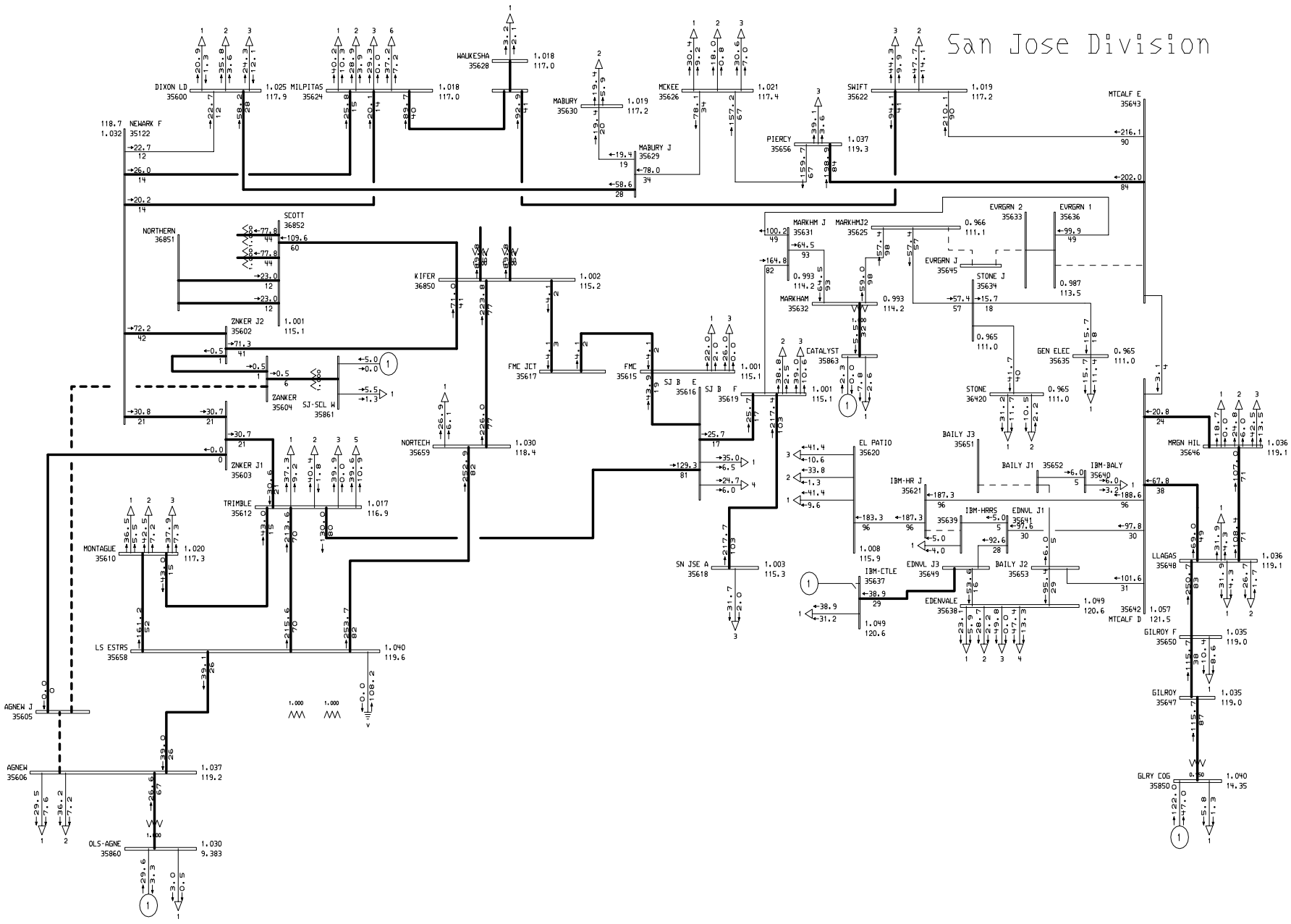
San Jose Division
DIXON LD 35600
MILPITAS 35624
WALKESHA 35628
MABURY 35630
MABURY J 35629
MCKEE 35626
PIERCY 35656
SWIFT 35622
MTCALF E 35643
NEWARK F 35122
SCOTT 36852
NORTHERN 36851
KIFER 36850
ZNKER J2 35602
ZANKER 35604
SJ-SCL W 35861
FMC JCT 35617
FMC 35615
SJ B E 35616
SJ B F 35619
CATALYST 35863
MARKHM J 35631
MARKHMJ2 35625
MARKHAM 35632
EVRGRN 2 35633
EVRGRN 1 35636
EVRGRN J 35645
STONE J 35634
STONE 36420
GEN ELEC 35635
ZNKER J1 35603
NORTECH 35659
TRIMBLE 35612
MONTAGUE 35610
EL PATIO 35620
IBM-HR J 35621
BAILY J3 35651
BAILY J1 35652
IBM-BALY 35640
IBM-HRRS 35639
EDNVL J1 35641
EDNVL J3 35649
BAILY J2 35653
IBM-CTLE 35637
EDENVALE 35638
SN JSE A 35618
LS ESTRS 35658
AGNEW J 35605
AGNEW 35606
OLS-AGNE 35860
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LLAGAS 35648
GILROY F 35650
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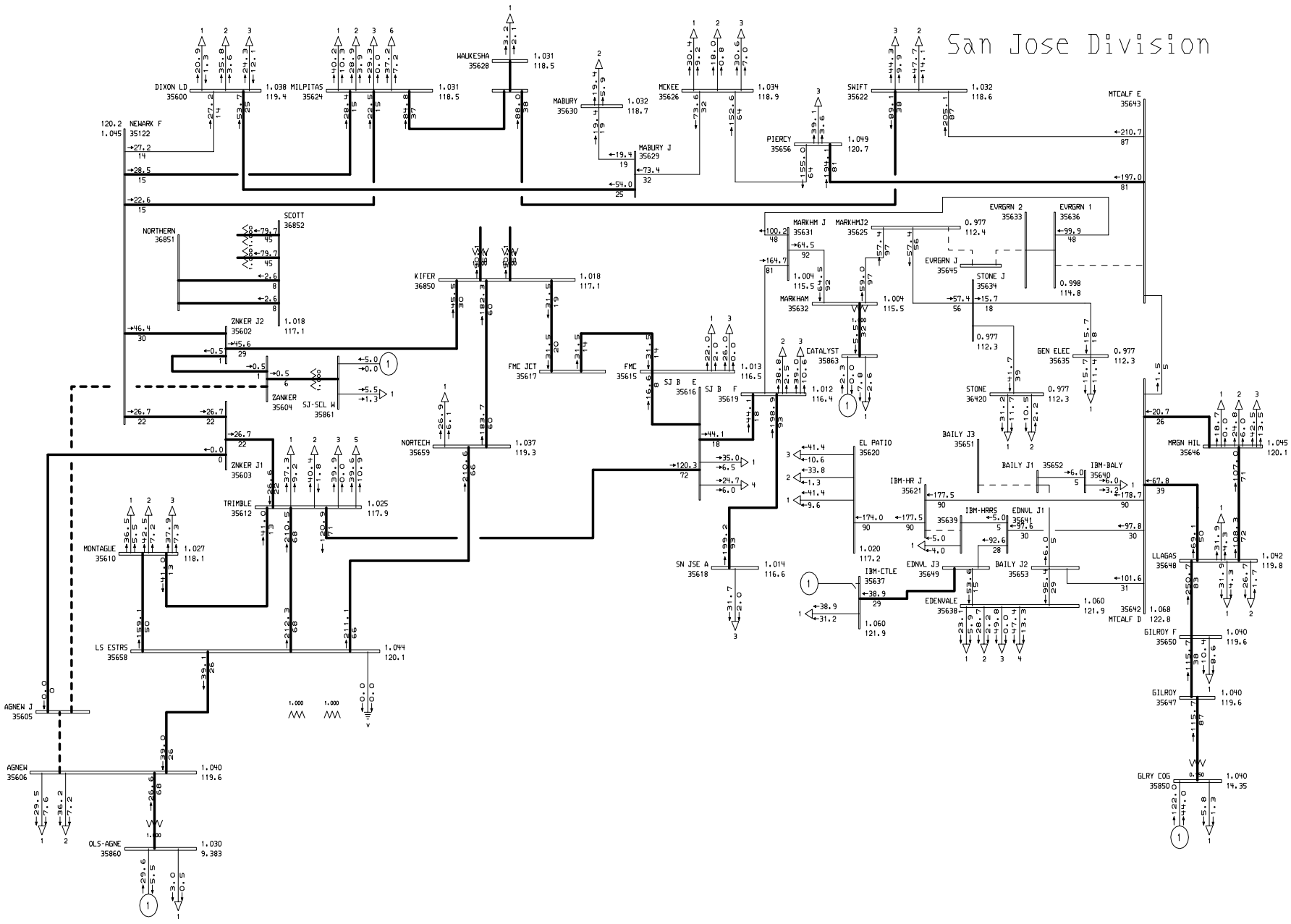
MTCALF D 35642



General Electric International, Inc. PSLF Program MW/Pct Mon Sep 16 12:23:46 2002

PG&E 2002 TRANSMISSION ASSESSMENT STUDY: 2004 SUMMER PEAK AREA 7/8 FL CASE
PATH15=1441MW (S-N) PATH26=2960MW (N-S) PDCI=3132MW (N-S) COI=3751NW (N-S)
PICO POWER PLANT (150 MW) - 2004 SUMMER PEAK POST-PROJECT CASE

Los Esteros - Northern 230 kV line NOT modeled (hs04_pico_pstB.sav)
Metcalf-Evergreen #1 and #2 115 kV DLO

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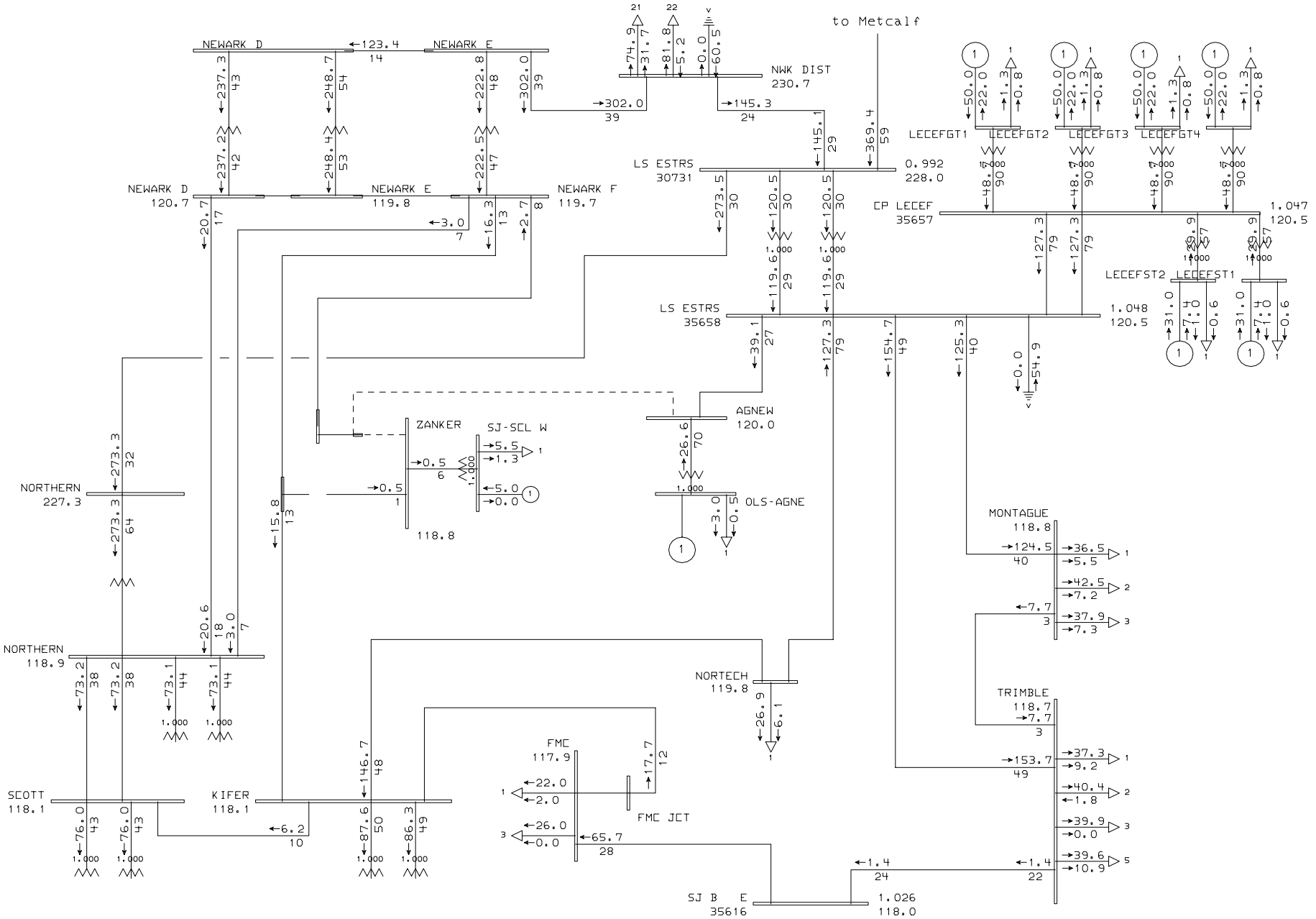

General Electric International, Inc. PSLF Program MW/Pct Mon Sep 16 12:08:53 2002

PG&E 2002 TRANSMISSION ASSESSMENT STUDY: 2004 SUMMER PEAK AREA 7/8 FL CASE
PATH15=1441MW (S-N) PATH26=2960MW (N-S) PDCI=3132MW (N-S) COI=3751NW (N-S)
PICO POWER PLANT (150 MW) - 2004 SUMMER PEAK PRE-PROJECT CASE

Los Esteros - Northern 230 kV line modeled (hs04_pico_preA.sav)
Metcalf-Monta Vista and MEC 230 kV DLO

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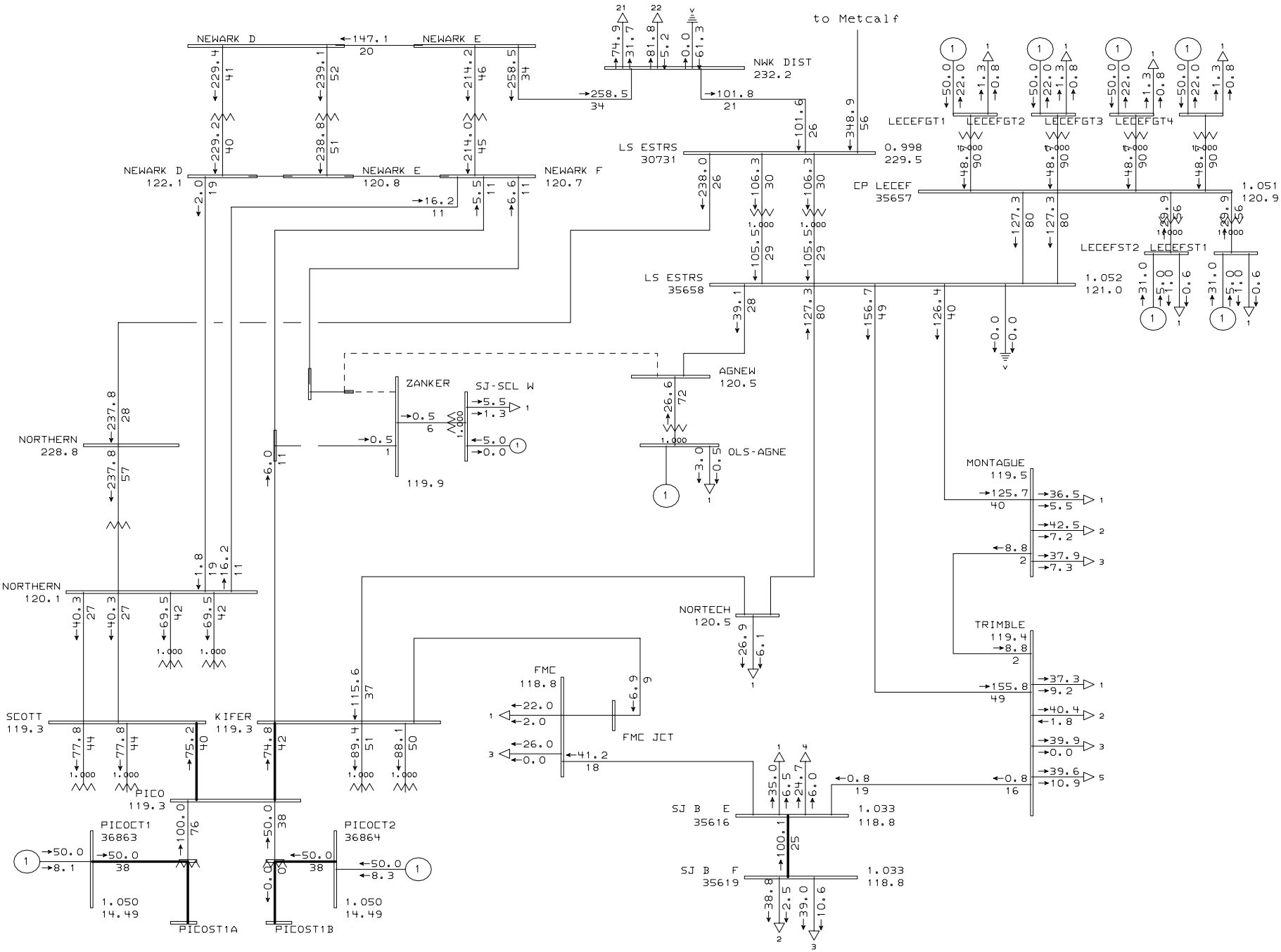
NEWARK D
122.1
NEWARK E
120.8
NEWARK F
120.7
147.1
20
NWK DIST
232.2
to Metcalf
LS ESTRS
30731
0.998
229.5
LECEFGT1
LECEFGT2
LECEFGT3
LECEFGT4
CP LECEF
35657
1.051
120.9
LECEFST2
LECEFST1
LS ESTRS
35658
1.052
121.0
ZANKER
119.9
SJ-SCL W
AGNEW
120.5
OLS-AGNE
NORTHERN
228.8
NORTHERN
120.1
MONTAGUE
119.5
TRIMBLE
119.4
NORTECH
120.5
FMC
118.8
FMC JCT
SCOTT
119.3
KIFER
119.3
PICO
119.3
PICOCT1
36863
PICOCT2
36864
1.050
14.49
PICOST1A
PICOST1B
SJ B E
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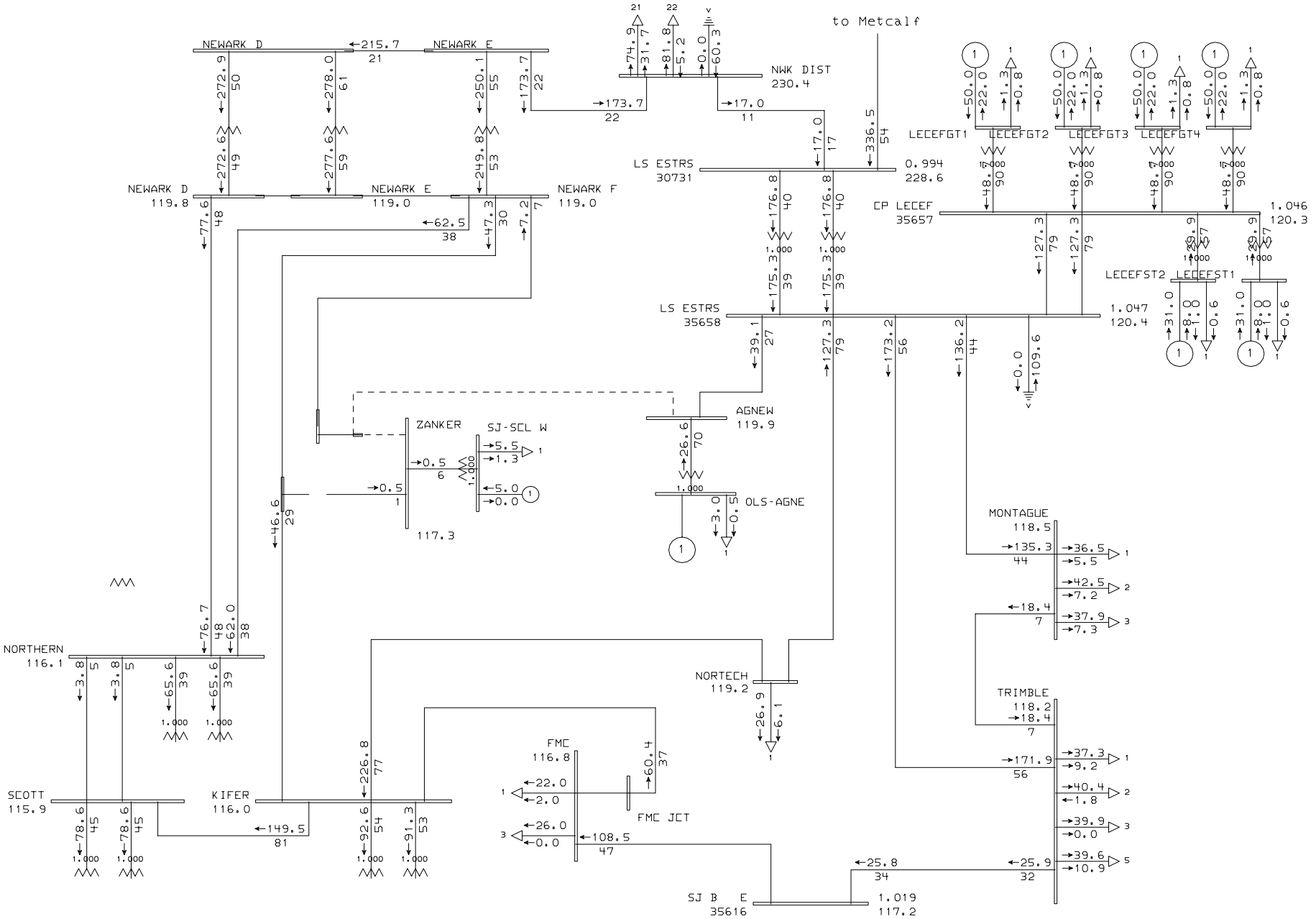
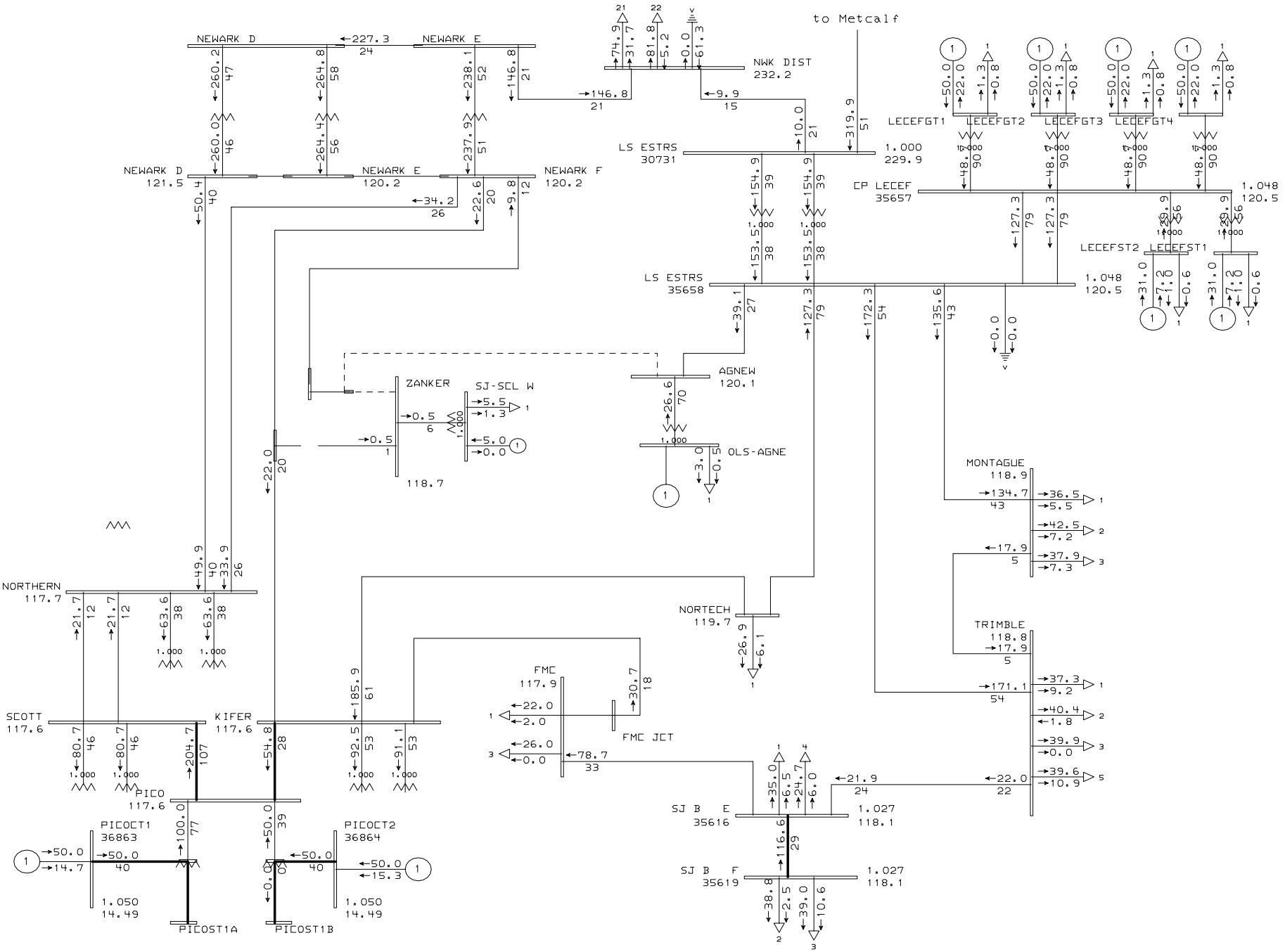
1.033
118.8
SJ B F
35619
1.033
118.8


to Metcalf
NEWARK D
NEWARK E
NEWARK F
NWK DIST
230.4
LS ESTRS
30731
0.994
228.6
LECEFGT1
LECEFGT2
LECEFGT3
LECEFGT4
CP LECEF
35657
1.046
120.3
LECEFST1
LECEFST2
LS ESTRS
35658
1.047
120.4
AGNEW
119.9
ZANKER
SJ-SCL W
OLS-AGNE
117.3
MONTAGUE
118.5
TRIMBLE
118.2
NORTECH
119.2
NORTHERN
116.1
SCOTT
115.9
KIFER
116.0
FMC
116.8
FMC JCT
SJ B E
35616
1.019
117.2



General Electric International, Inc. PSLF Program MW/Pct Mon Sep 16 12:23:59 2002

PG&E 2002 TRANSMISSION ASSESSMENT STUDY: 2004 SUMMER PEAK AREA 7/8 FL CASE
PATH15=1441MW (S-N) PATH26=2960MW (N-S) PDCI=3132MW (N-S) COI=3751NW (N-S)
PICO POWER PLANT (150 MW) - 2004 SUMMER PEAK POST-PROJECT CASE

Los Esteros - Northern 230 kV line NOT modeled (hs04_pico_pstB.sav)
Metcalf-Monta Vista and MEC 230 kV DLO

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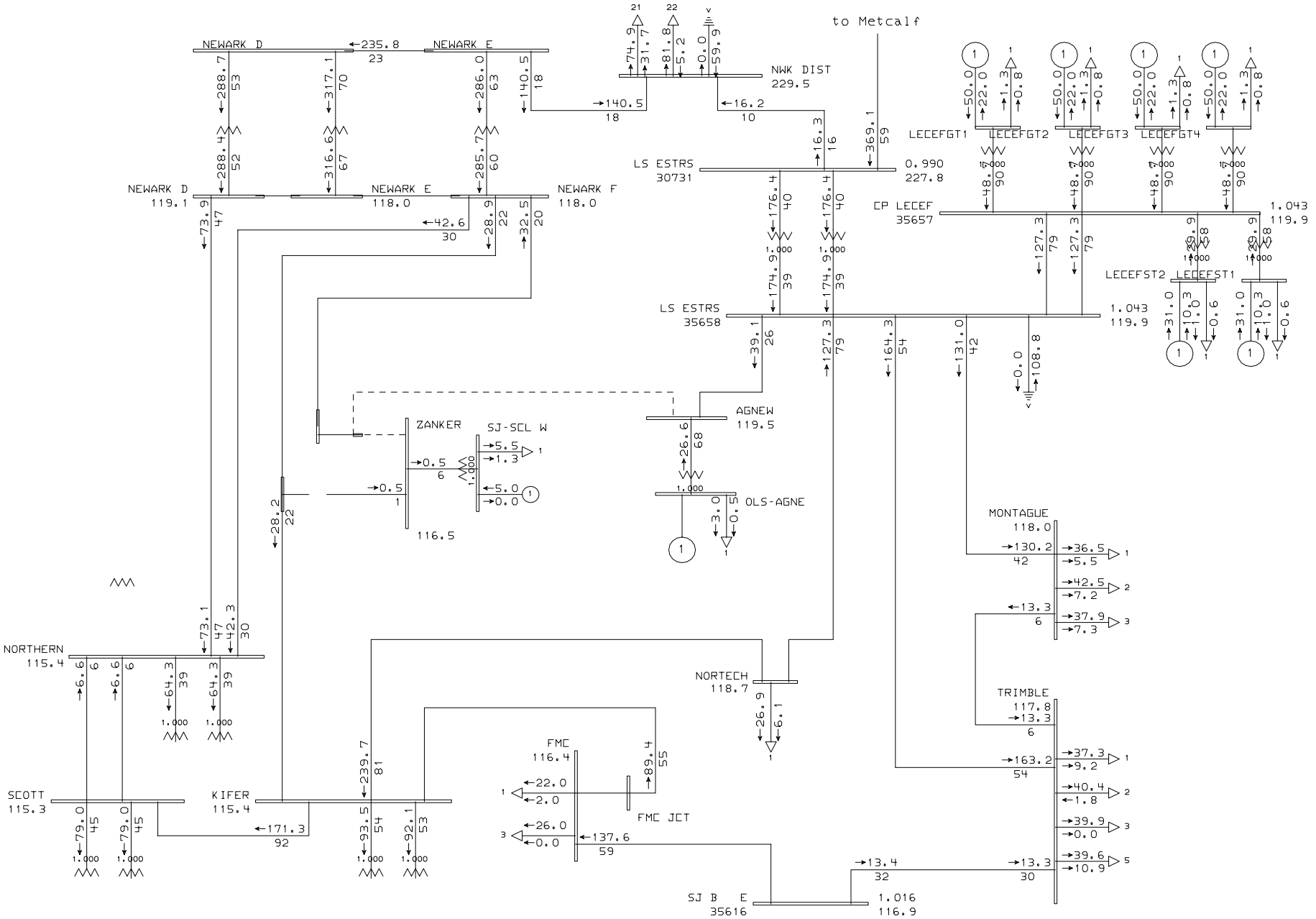
Rating = 2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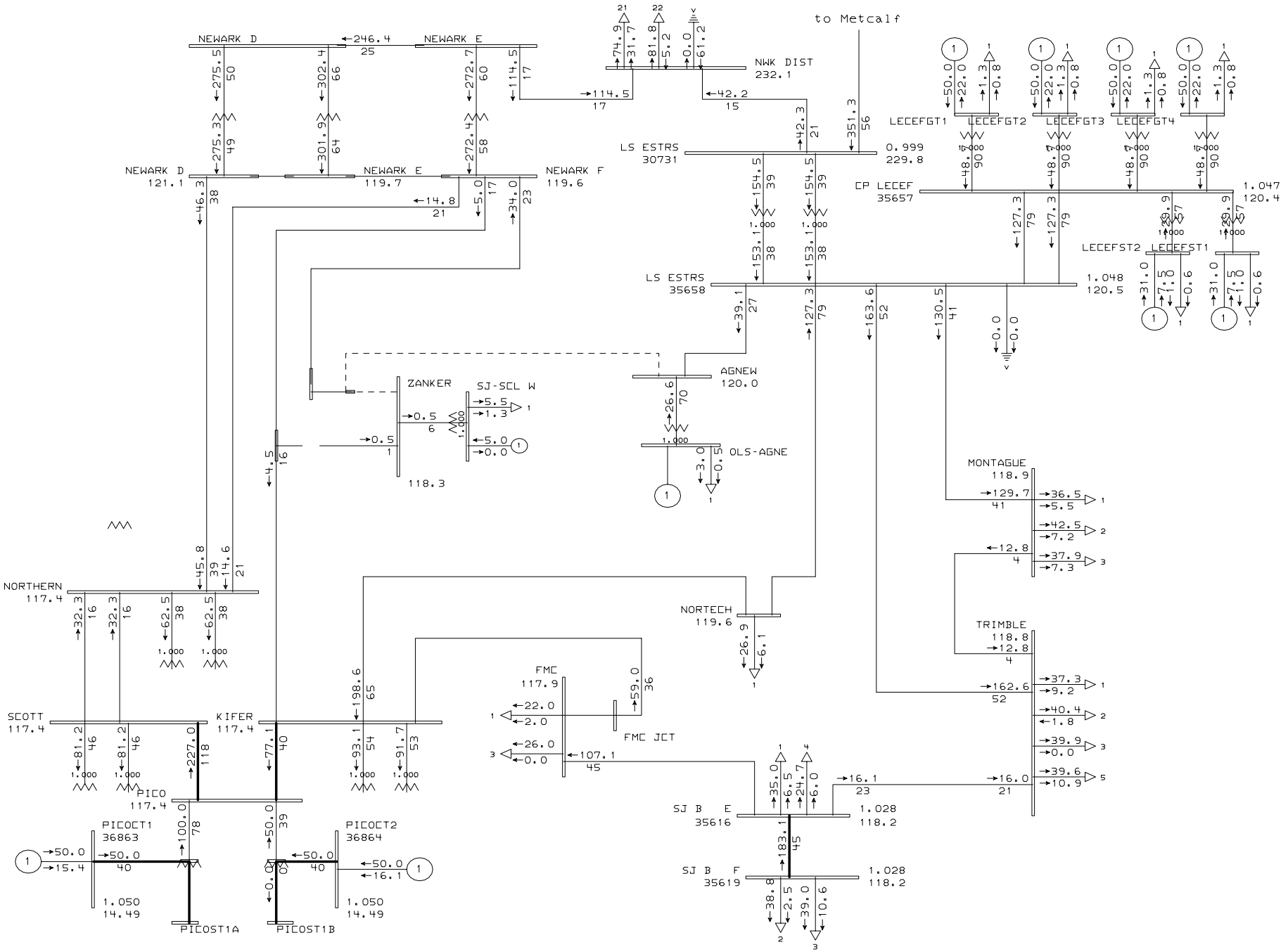
235.8
23
NEWARK E
NEWARK D
119.1
NEWARK E
118.0
NEWARK F
118.0
NWK DIST
229.5
to Metcalf
LS ESTRS
30731
0.990
227.8
LECEFGT1
LECEFGT2
LECEFGT3
LECEFGT4
CP LECEF
35657
1.043
119.9
LECEFST2
LECEFST1
LS ESTRS
35658
1.043
119.9
ZANKER
116.5
SJ-SCL W
AGNEW
119.5
OLS-AGNE
MONTAGUE
118.0
NORTHERN
115.4
NORTECH
118.7
TRIMBLE
117.8
SCOTT
115.3
KIFER
115.4
FMC
116.4
FMC JCT
SJ B E
35616
1.016
116.9

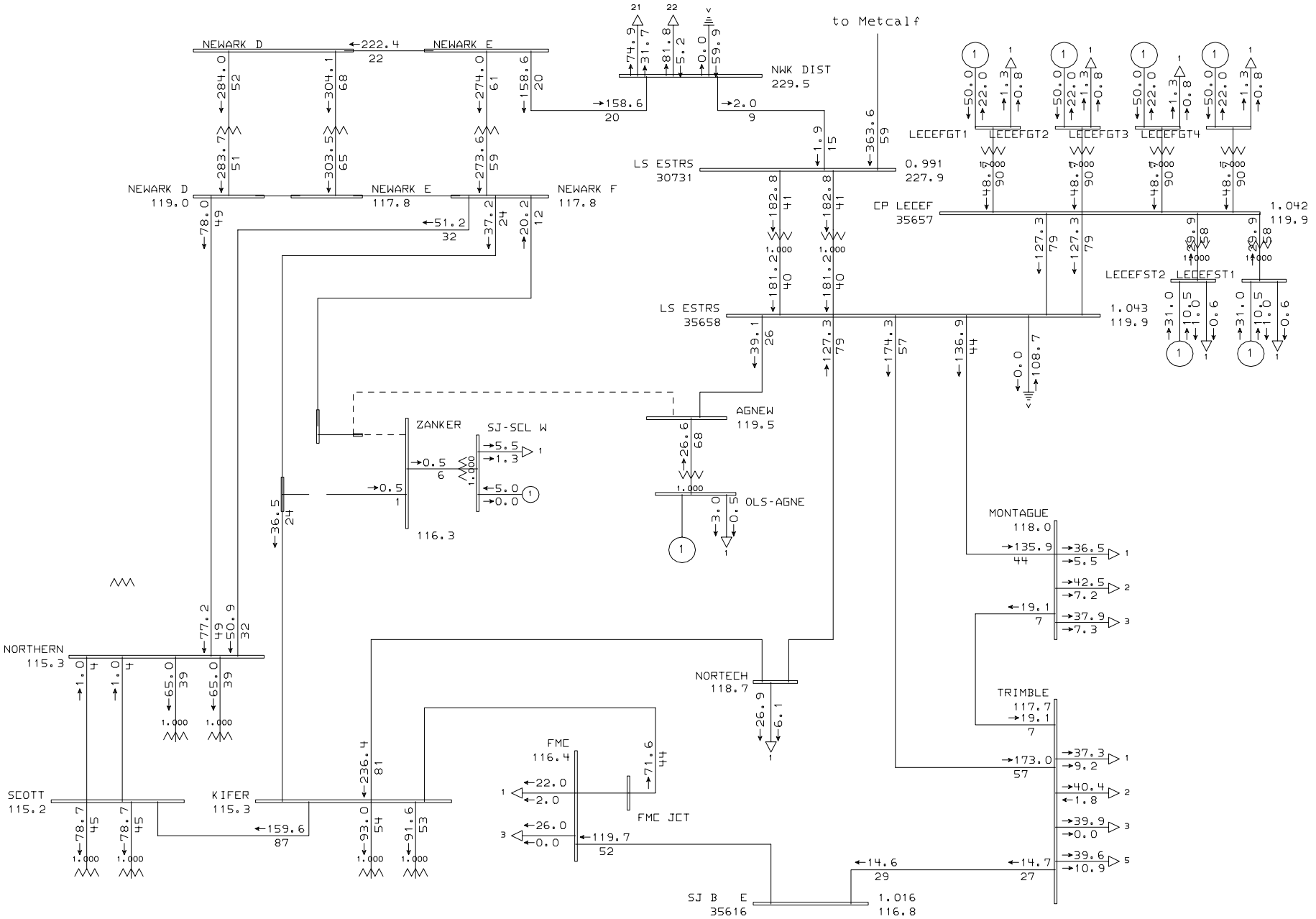


General Electric International, Inc. PSLF Program MW/Pct Mon Sep 16 12:23:05 2002

PG&E 2002 TRANSMISSION ASSESSMENT STUDY: 2004 SUMMER PEAK AREA 7/8 FL CASE
PATH15=1441MW (S-N) PATH26=2960MW (N-S) PDCI=3132MW (N-S) COI=3751NW (N-S)
PICO POWER PLANT (150 MW) - 2004 SUMMER PEAK POST-PROJECT CASE

Los Esteros - Northern 230 kV line NOT modeled (hs04_pico_pstB.sav)
Metcalf - Piercy and Swift 115 kV DLO

C:\PSLF_work\Projects\Pico\svp
C:\PSLF_work\Projects\Pico\hs0
Rating = 2



General Electric International, Inc. PSLF Program MW/Pct Mon Sep 16 12:23:19 2002

PG&E 2002 TRANSMISSION ASSESSMENT STUDY: 2004 SUMMER PEAK AREA 7/8 FL CASE
PATH15=1441MW (S-N) PATH26=2960MW (N-S) PDCI=3132MW (N-S) COI=3751NW (N-S)
PICO POWER PLANT (150 MW) - 2004 SUMMER PEAK PRE-PROJECT CASE

Los Esteros - Northern 230 kV line NOT modeled (hs04_pico_preB.sav)
Monta Vista - Lawrence and Britton 115 kV DLO

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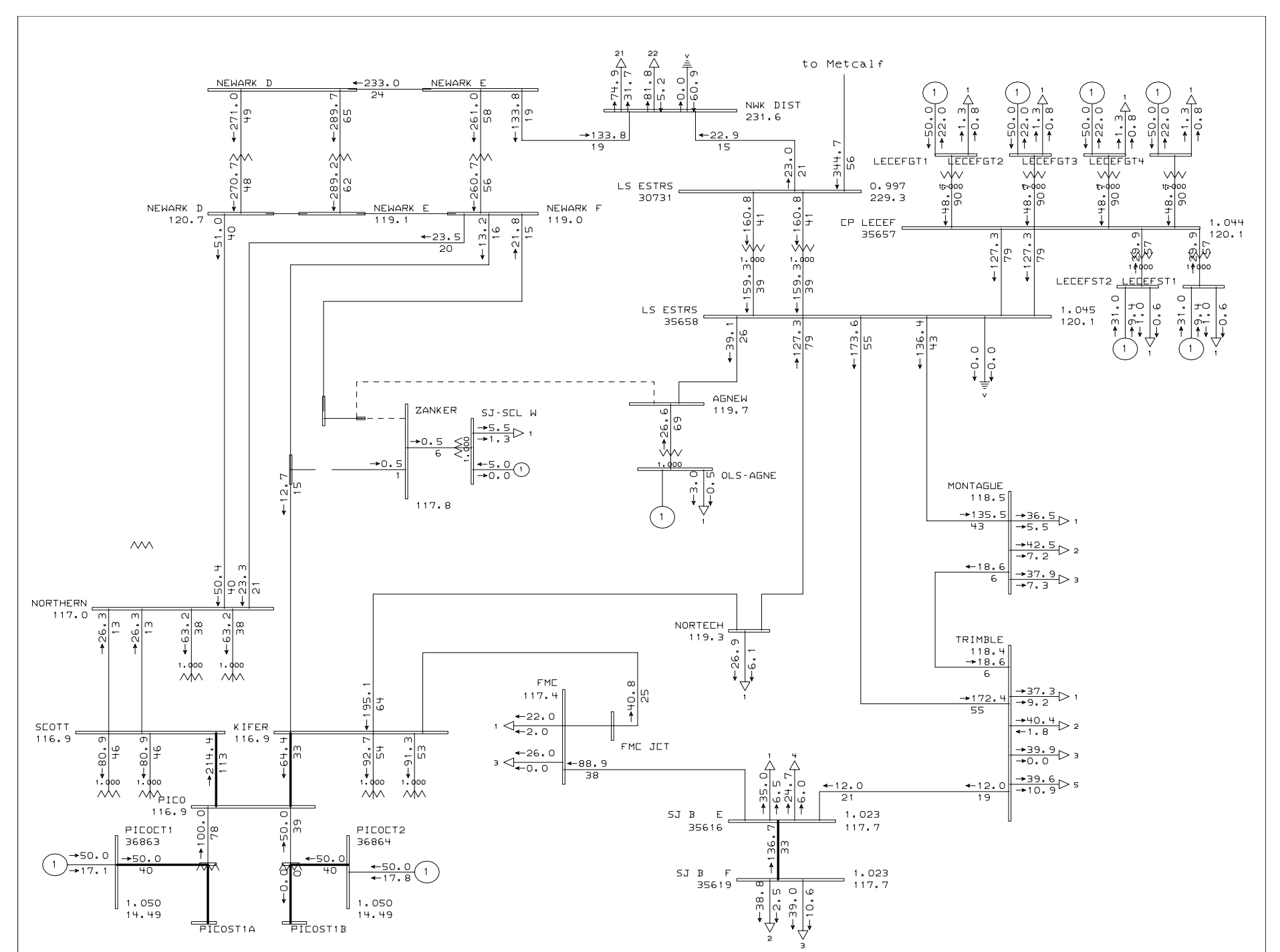
C:\PSLF_work\Projects\Pico\hs0
Rating = 2

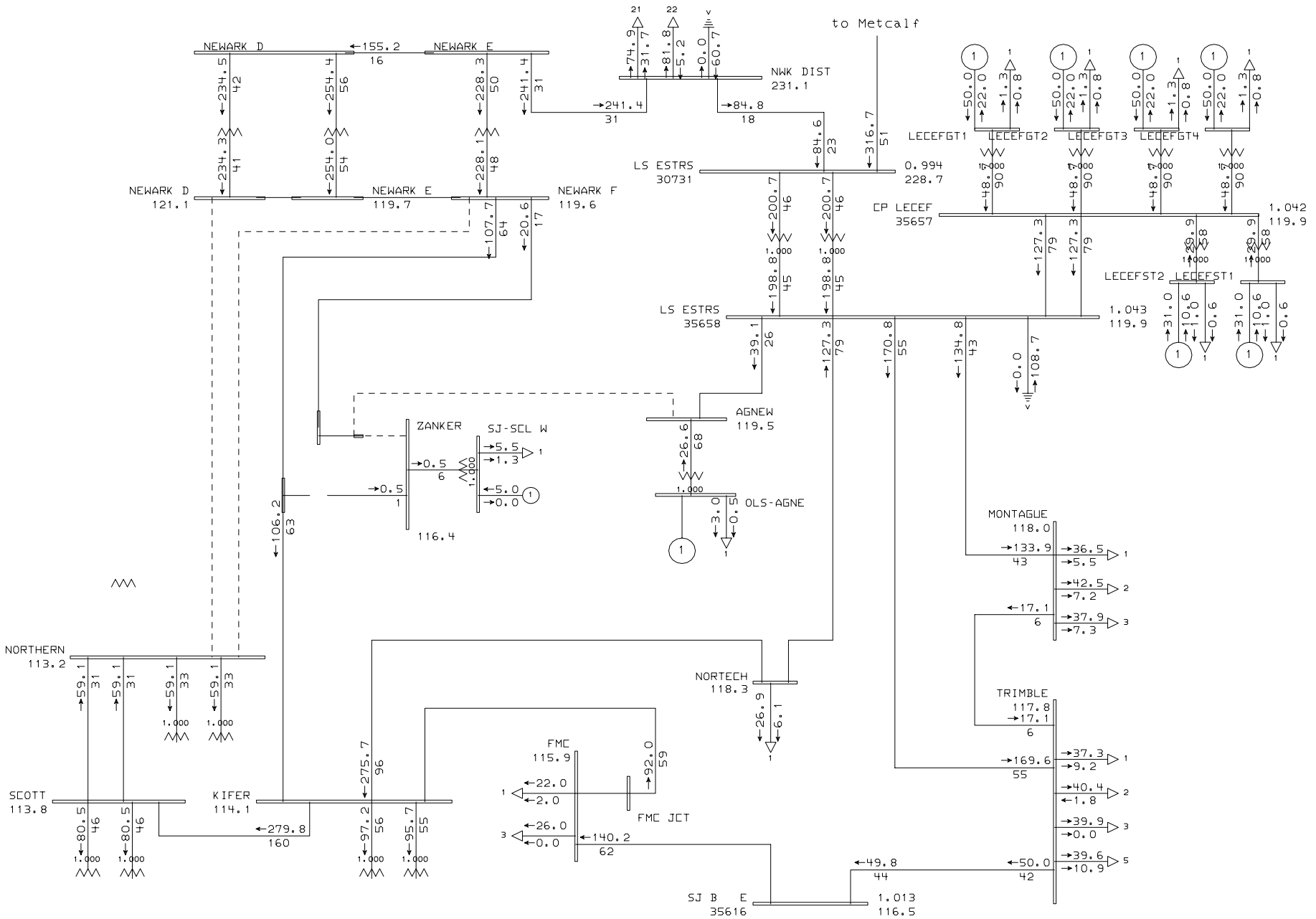


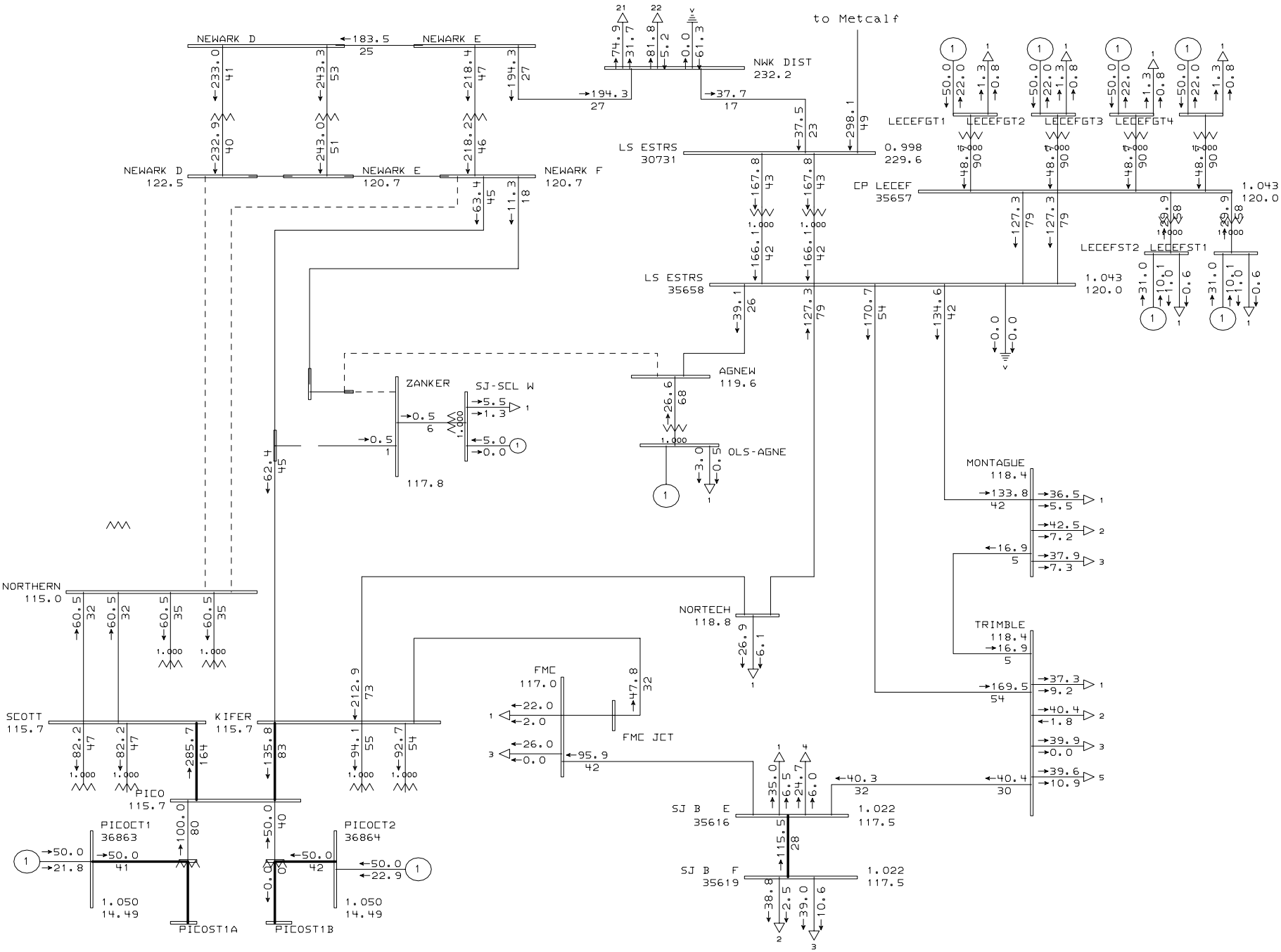
General Electric International, Inc. PSLF Program MW/Pct Mon Sep 16 12:23:28 2002

PG&E 2002 TRANSMISSION ASSESSMENT STUDY: 2004 SUMMER PEAK AREA 7/8 FL CASE
PATH15=1441MW (S-N) PATH26=2960MW (N-S) PDCI=3132MW (N-S) COI=3751NW (N-S)
PICO POWER PLANT (150 MW) - 2004 SUMMER PEAK POST-PROJECT CASE

Los Esteros - Northern 230 kV line NOT modeled (hs04_pico_pstB.sav)
Monta Vista - Lawrence and Britton 115 kV DLO

C:\PSLF_work\Projects\Pico\svp
C:\PSLF_work\Projects\Pico\hs0
Rating = 2


NEWARK D
NEWARK E
NEWARK F
NEWARK D
121.1
NEWARK E
119.7
NEWARK F
119.6
NWK DIST
231.1
to Metcalf
LS ESTRS
30731
0.994
228.7
CP LECEF
35657
1.042
119.9
LECEFGT1
LECEFGT2
LECEFGT3
LECEFGT4
LECEFST1
LECEFST2
LS ESTRS
35658
1.043
119.9
AGNEW
119.5
ZANKER
SJ-SCL W
OLS-AGNE
116.4
MONTAGUE
118.0
TRIMBLE
117.8
NORTECH
118.3
NORTHERN
113.2
SCOTT
113.8
KIFER
114.1
FMC
115.9
FMC JCT
SJ B E
35616
1.013
116.5



General Electric International, Inc. PSLF Program MW/Pct Mon Sep 16 12:22:41 2002

PG&E 2002 TRANSMISSION ASSESSMENT STUDY: 2004 SUMMER PEAK AREA 7/8 FL CASE
PATH15=1441MW (S-N) PATH26=2960MW (N-S) PDCI=3132MW (N-S) COI=3751NW (N-S)
PICO POWER PLANT (150 MW) - 2004 SUMMER PEAK POST-PROJECT CASE

Los Esteros - Northern 230 kV line NOT modeled (hs04_pico_pstB.sav)
Newark - Northern #1 and #2 115 kV DLO

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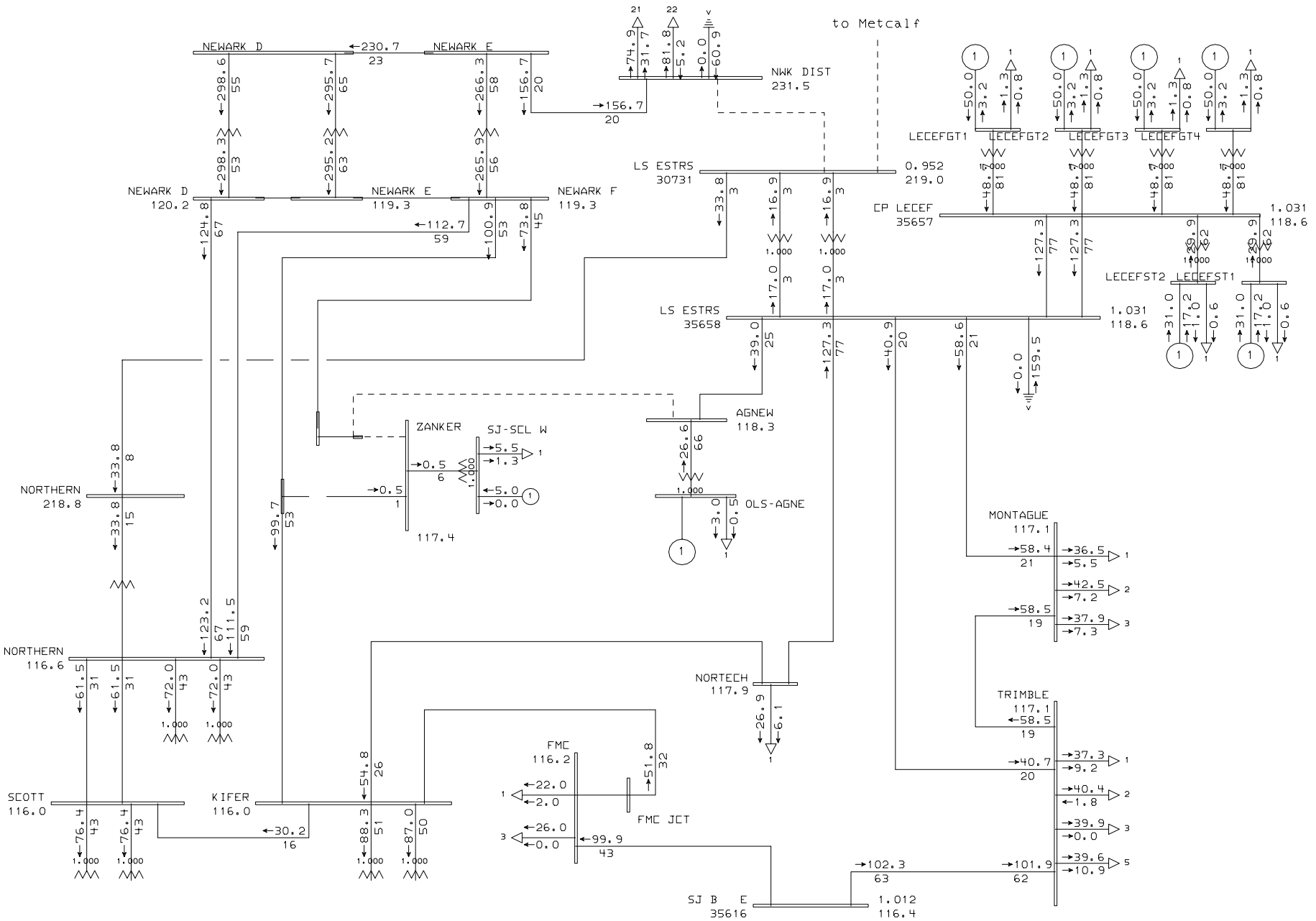
C:\PSLF_work\Projects\Pico\hs0
Rating = 2



General Electric International, Inc. PSLF Program MW/Pct Mon Sep 16 12:09:04 2002

PG&E 2002 TRANSMISSION ASSESSMENT STUDY: 2004 SUMMER PEAK AREA 7/8 FL CASE
PATH15=1441MW (S-N) PATH26=2960MW (N-S) PDCI=3132MW (N-S) COI=3751NW (N-S)
PICO POWER PLANT (150 MW) - 2004 SUMMER PEAK PRE-PROJECT CASE

Los Esteros - Northern 230 kV line modeled (hs04_pico_preA.sav)
Los Esteros - Metcalf and Newark Dist 230 kV DLO

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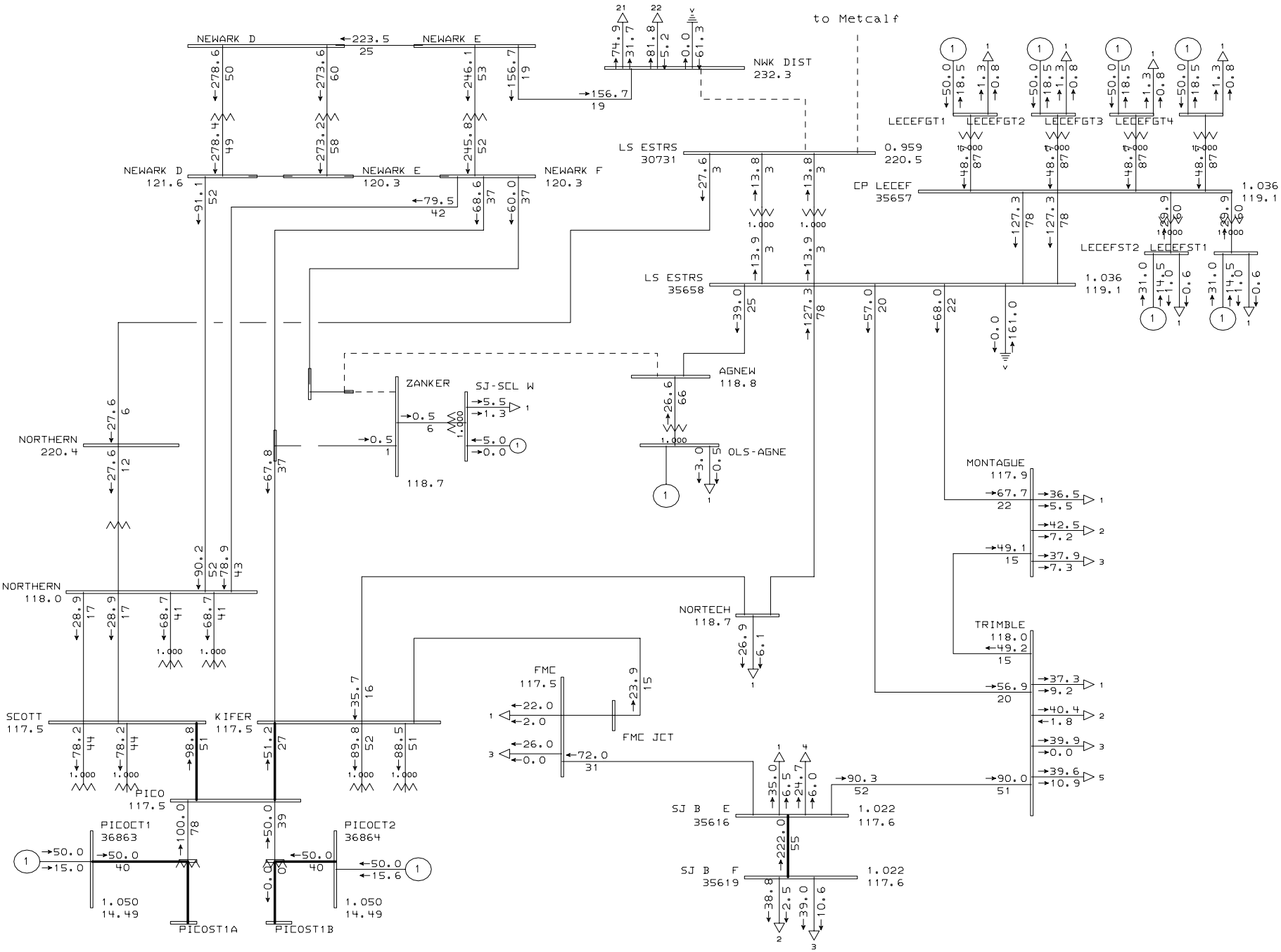
C:\PSLF_work\Projects\Pico\hs0
Rating = 2


to Metcalf
NEWARK D
NEWARK E
NEWARK F
NWK DIST
232.3
LS ESTRS
30731
0.959
220.5
LECEFGT1
LECEFGT2
LECEFGT3
LECEFGT4
CP LECEF
35657
1.036
119.1
LECEFST2
LECEFST1
LS ESTRS
35658
1.036
119.1
ZANKER
SJ-SCL W
AGNEW
118.8
OLS-AGNE
NORTHERN
220.4
NORTHERN
118.0
118.7
MONTAGUE
117.9
NORTECH
118.7
TRIMBLE
118.0
FMC
117.5
FMC JCT
SCOTT
117.5
KIFER
117.5
PICO
117.5
PICOCT1
36863
PICOCT2
36864
1.050
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SJ B E
35616
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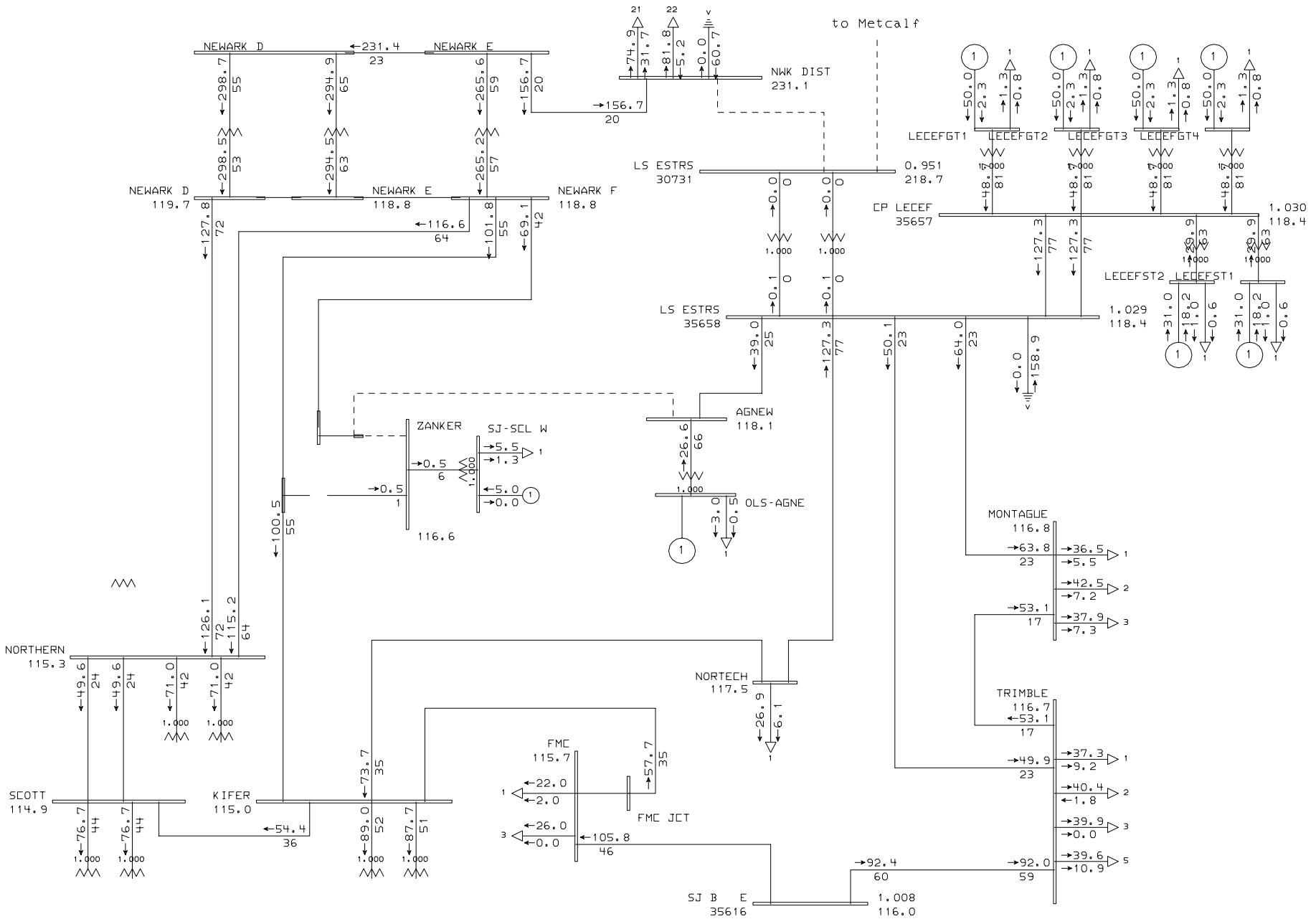
117.6
SJ B F
35619
1.022
117.6



General Electric International, Inc. PSLF Program MW/Pct Mon Sep 16 12:24:37 2002

PG&E 2002 TRANSMISSION ASSESSMENT STUDY: 2004 SUMMER PEAK AREA 7/8 FL CASE
PATH15=1441MW (S-N) PATH26=2960MW (N-S) PDCI=3132MW (N-S) COI=3751NW (N-S)
PICO POWER PLANT (150 MW) - 2004 SUMMER PEAK PRE-PROJECT CASE

Los Esteros - Northern 230 kV line NOT modeled (hs04_pico_preB.sav)
Los Esteros - Metcalf and Newark Dist 230 kV DLO

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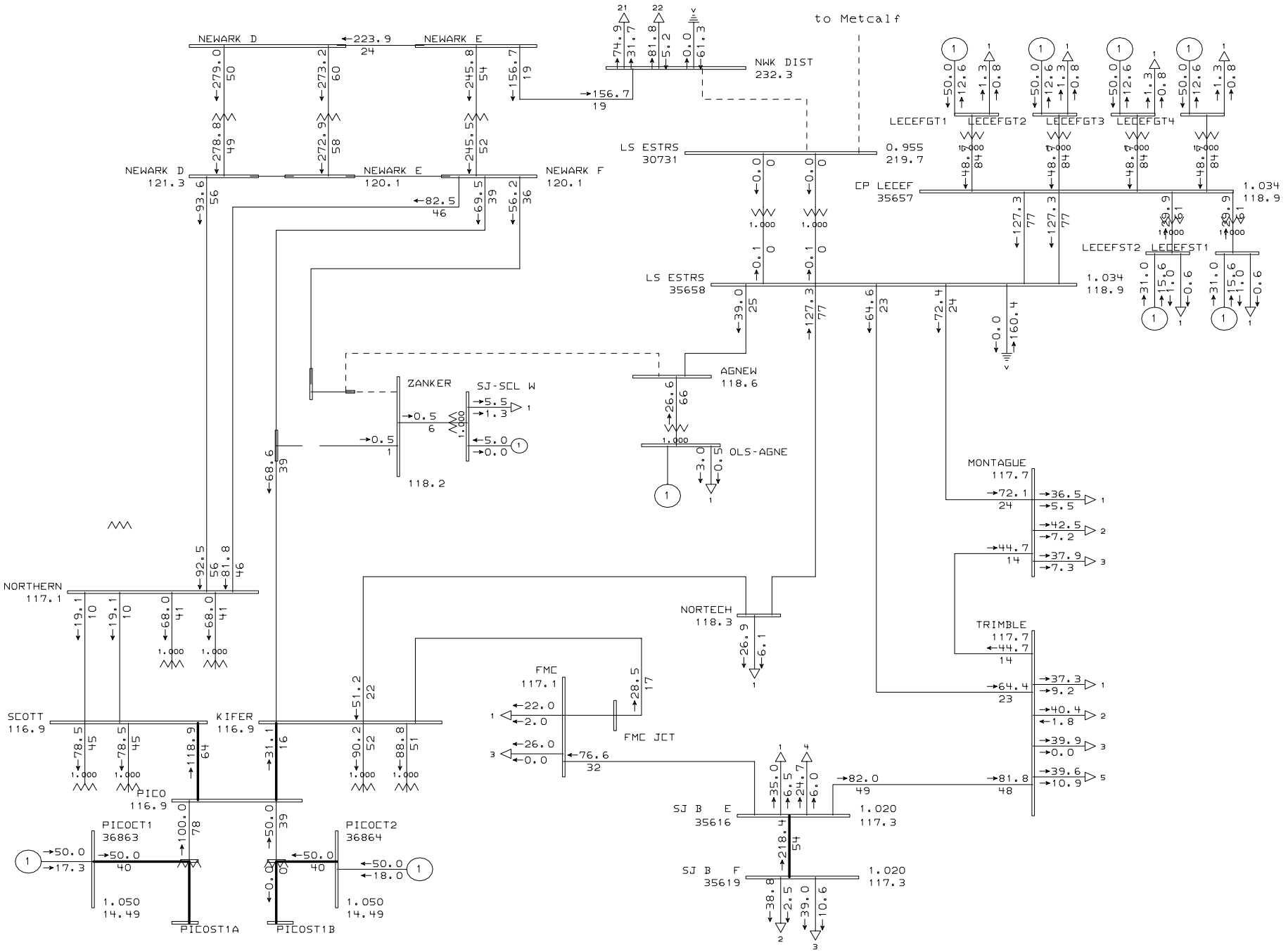
Rating = 2



General Electric International, Inc. PSLF Program MW/Pct Mon Sep 16 12:24:54 2002

PG&E 2002 TRANSMISSION ASSESSMENT STUDY: 2004 SUMMER PEAK AREA 7/8 FL CASE
PATH15=1441MW (S-N) PATH26=2960MW (N-S) PDCI=3132MW (N-S) COI=3751NW (N-S)
PICO POWER PLANT (150 MW) - 2004 SUMMER PEAK POST-PROJECT CASE

Los Esteros - Northern 230 kV line NOT modeled (hs04_pico_pstB.sav)
Los Esteros - Metcalf and Newark Dist 230 kV DLO

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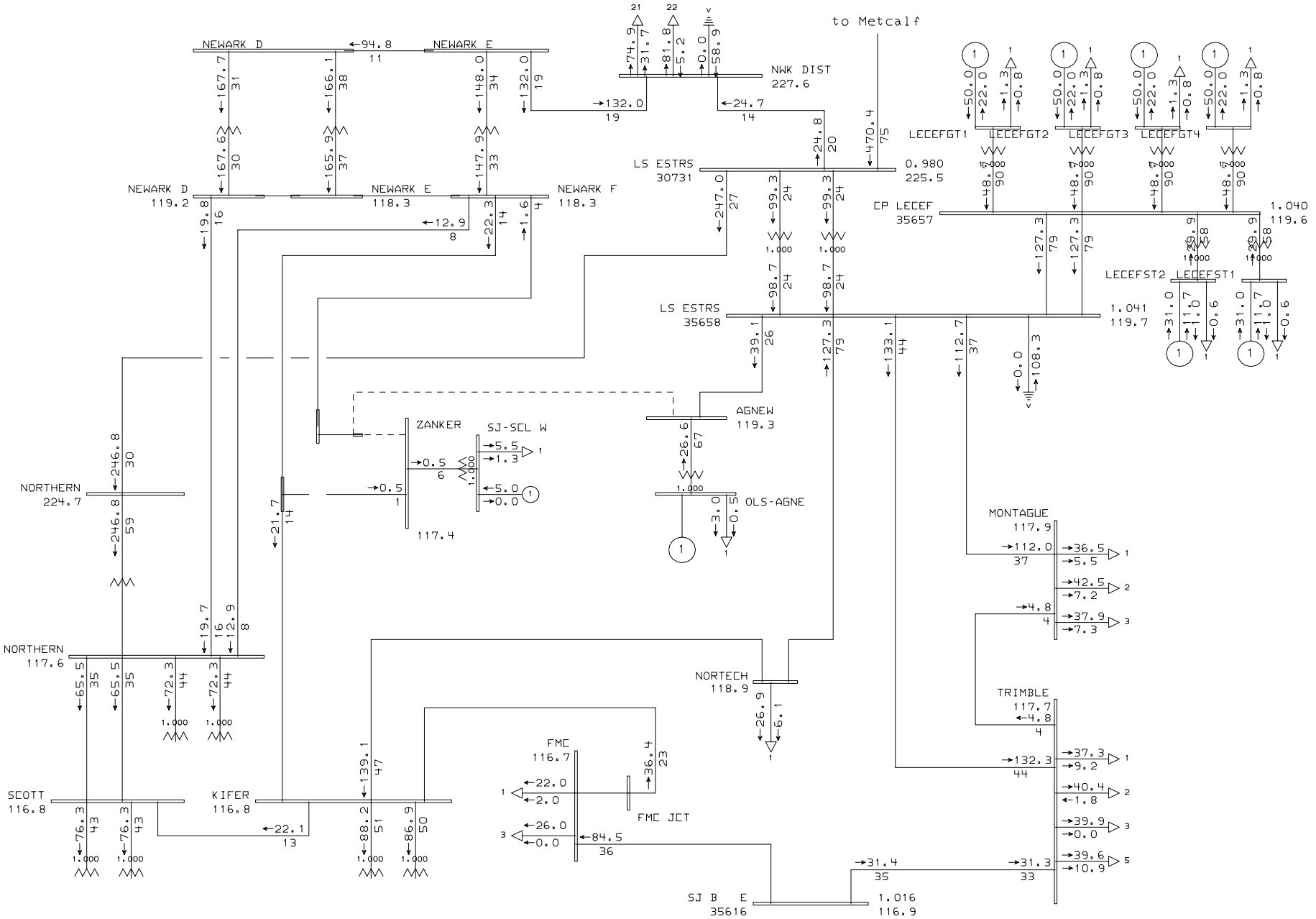

General Electric International, Inc. PSLF Program MW/Pct Mon Sep 16 12:09:34 2002

PG&E 2002 TRANSMISSION ASSESSMENT STUDY: 2004 SUMMER PEAK AREA 7/8 FL CASE
PATH15=1441MW (S-N) PATH26=2960MW (N-S) PDCI=3132MW (N-S) COI=3751NW (N-S)
PICO POWER PLANT (150 MW) - 2004 SUMMER PEAK PRE-PROJECT CASE

Los Esteros - Northern 230 kV line modeled (hs04_pico_preA.sav)
Tesla - Newark #1 and #2 230 kV DLO

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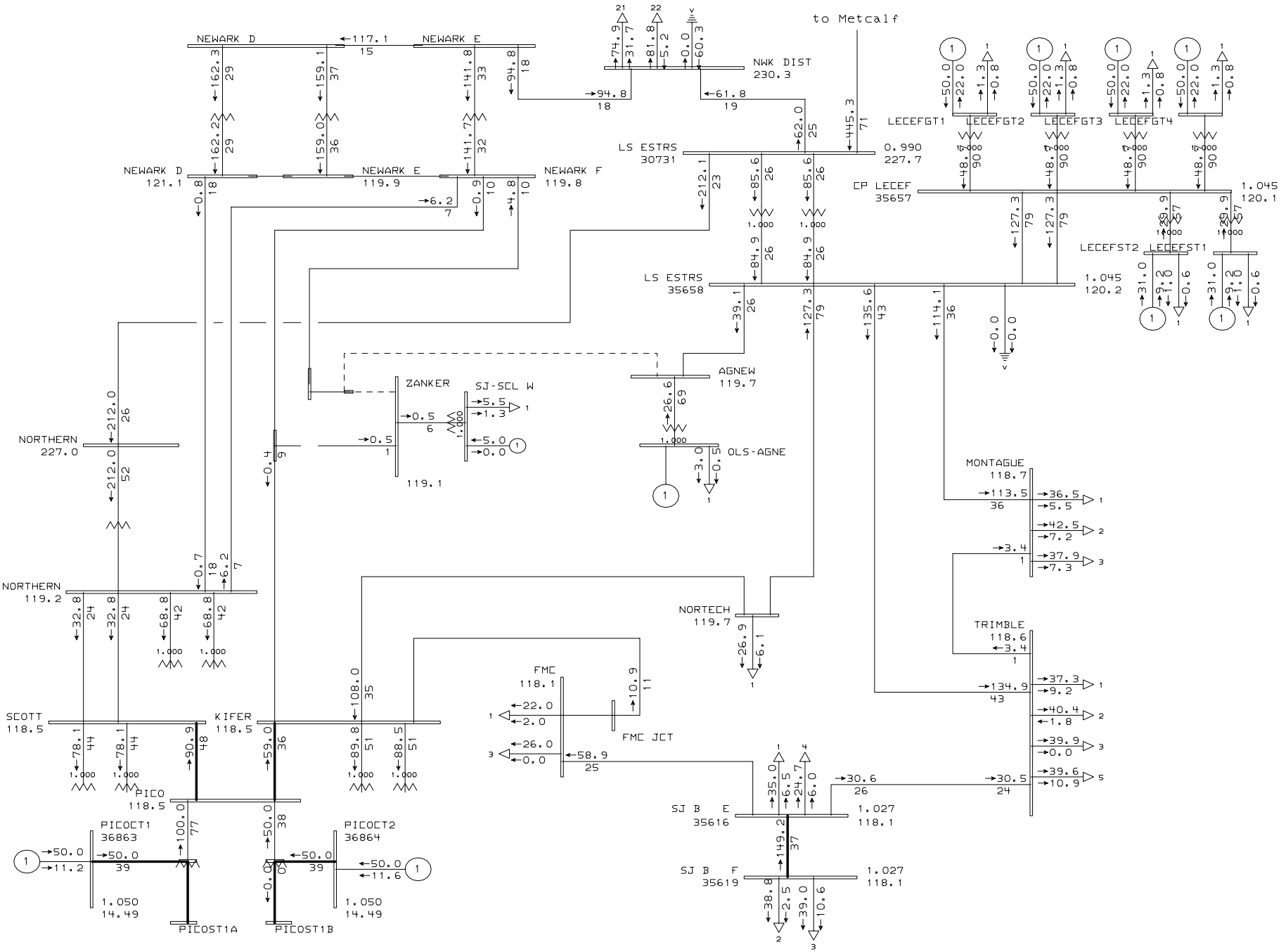

General Electric International, Inc. PSLF Program MW/Pct Mon Sep 16 12:09:42 2002

PG&E 2002 TRANSMISSION ASSESSMENT STUDY: 2004 SUMMER PEAK AREA 7/8 FL CASE
PATH15=1441MW (S-N) PATH26=2960MW (N-S) PDCI=3132MW (N-S) COI=3751NW (N-S)
PICO POWER PLANT (150 MW) - 2004 SUMMER PEAK POST-PROJECT CASE

Los Esteros - Northern 230 kV line modeled (hs04_pico_pstA.sav)
Tesla - Newark #1 and #2 230 kV DLO

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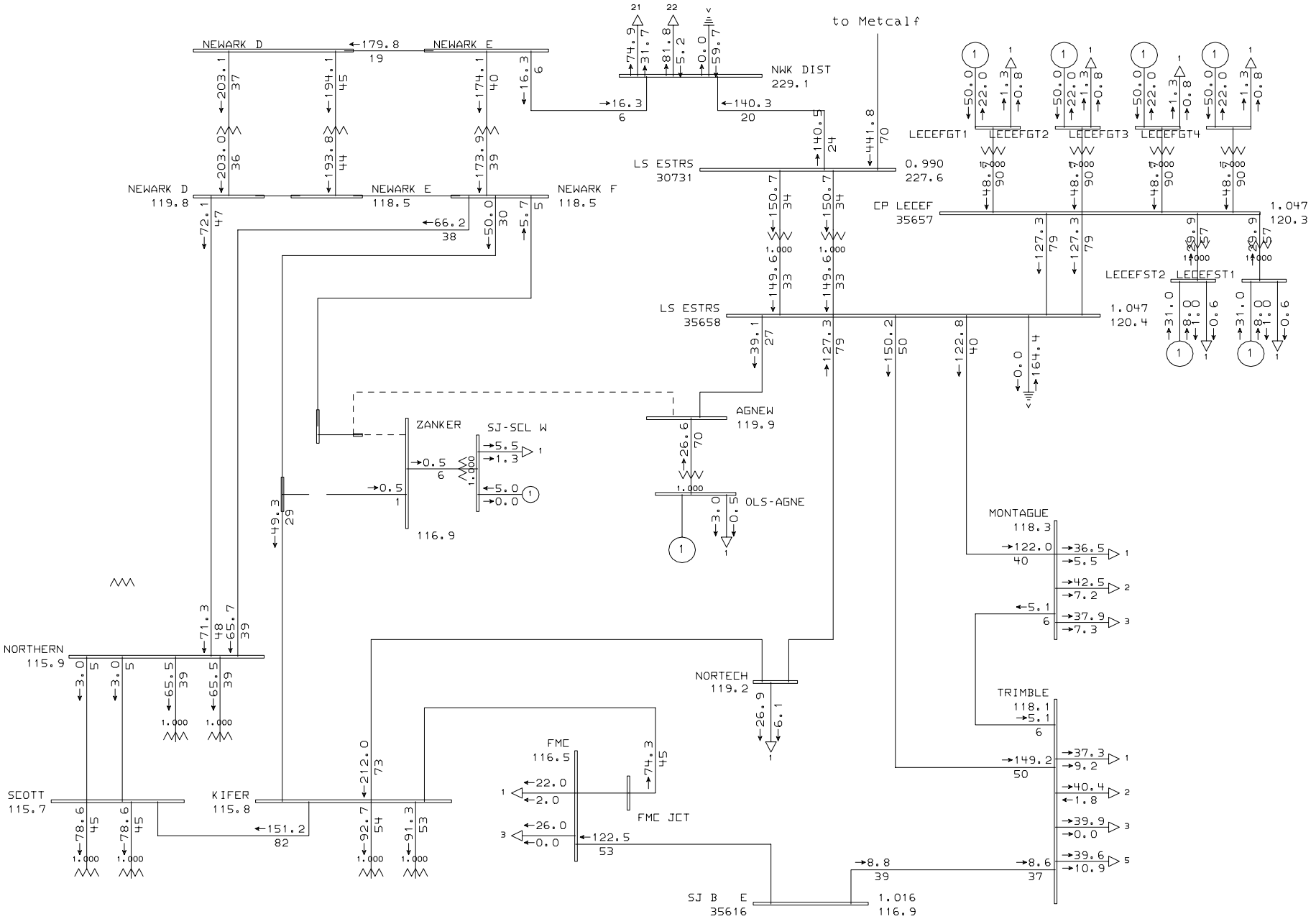
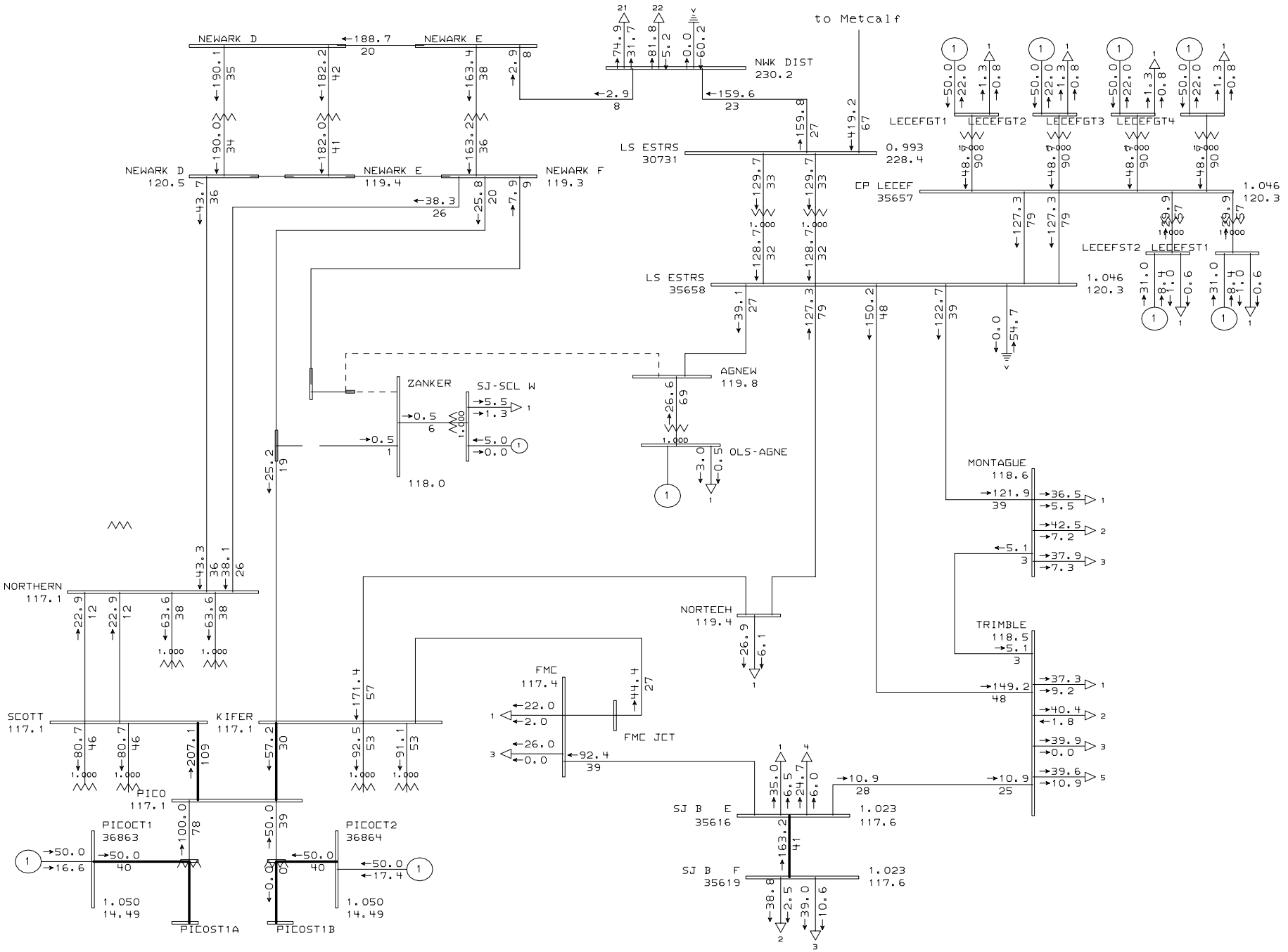
Rating = 2


to Metcalf
NEWARK D
179.8
19
NEWARK E
NEWARK D
119.8
NEWARK E
118.5
NEWARK F
118.5
NWK DIST
229.1
LS ESTRS
30731
0.990
227.6
LECEFGT1
LECEFGT2
LECEFGT3
LECEFGT4
CP LECEF
35657
1.047
120.3
LECEFST2
LECEFST1
LS ESTRS
35658
1.047
120.4
ZANKER
116.9
SJ-SCL W
AGNEW
119.9
OLS-AGNE
MONTAGUE
118.3
NORTHERN
115.9
NORTECH
119.2
TRIMBLE
118.1
SCOTT
115.7
KIFER
115.8
FMC
116.5
FMC JCT
SJ B E
35616
1.016
116.9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120.5
NEWARK E
119.4
NEWARK F
119.3
NWK DIST
230.2
to Metcalf
LS ESTRS
30731
0.993
228.4
LECEFGT1
LECEFGT2
LECEFGT3
LECEFGT4
CP LECEF
35657
1.046
120.3
LECEFST2
LECEFST1
LS ESTRS
35658
1.046
120.3
ZANKER
118.0
SJ-SCL W
AGNEW
119.8
OLS-AGNE
MONTAGUE
118.6
TRIMBLE
118.5
NORTHERN
117.1
NORTECH
119.4
FMC
117.4
FMC JCT
SCOTT
117.1
KIFER
117.1
PICO
117.1
PICOCT1
36863
PICOCT2
36864
PICOST1A
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14.49
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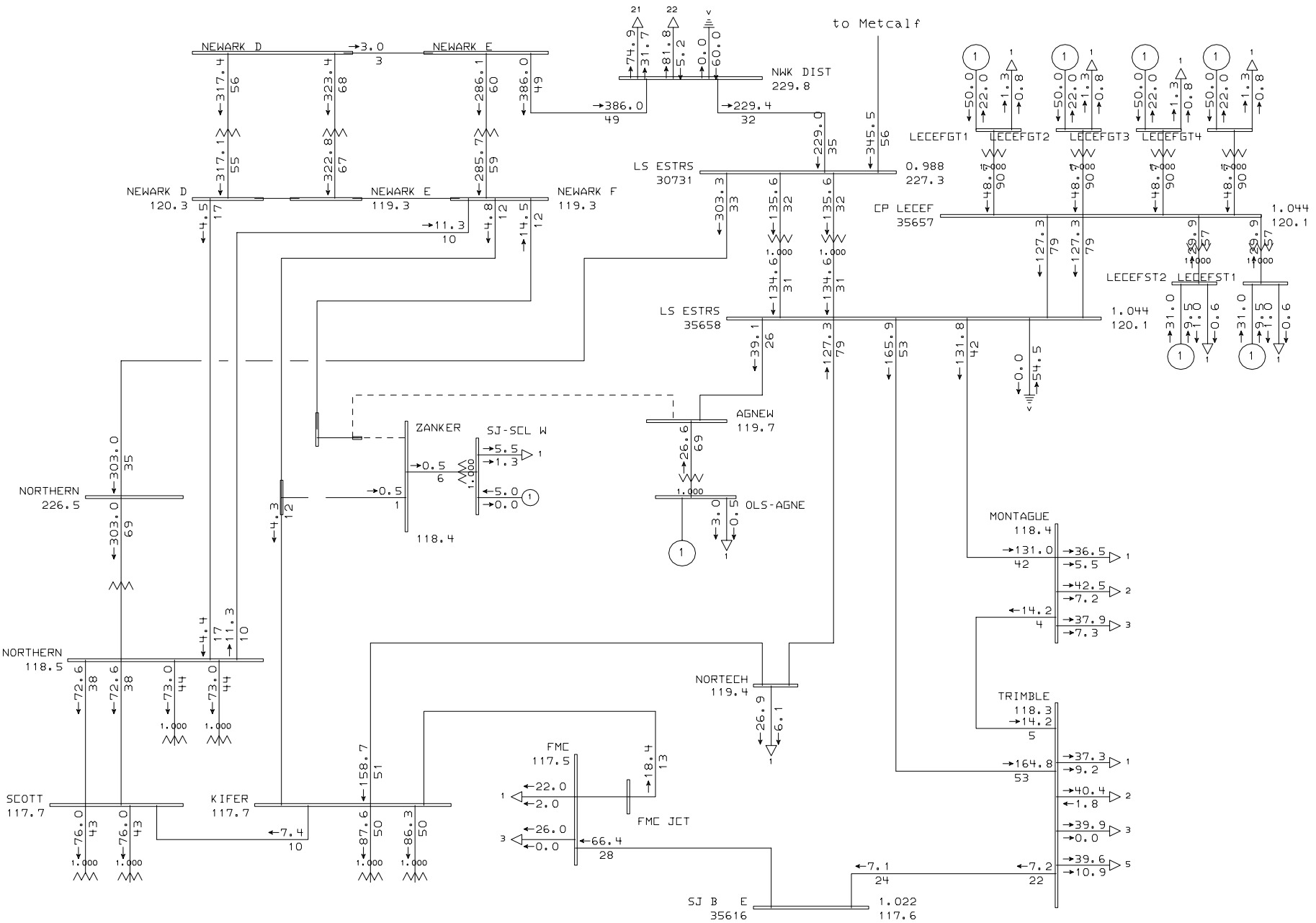
117.6
SJ B F
35619
1.023
117.6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NEWARK E
119.3
NEWARK F
119.3
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229.8
to Metcalf
LS ESTRS
30731
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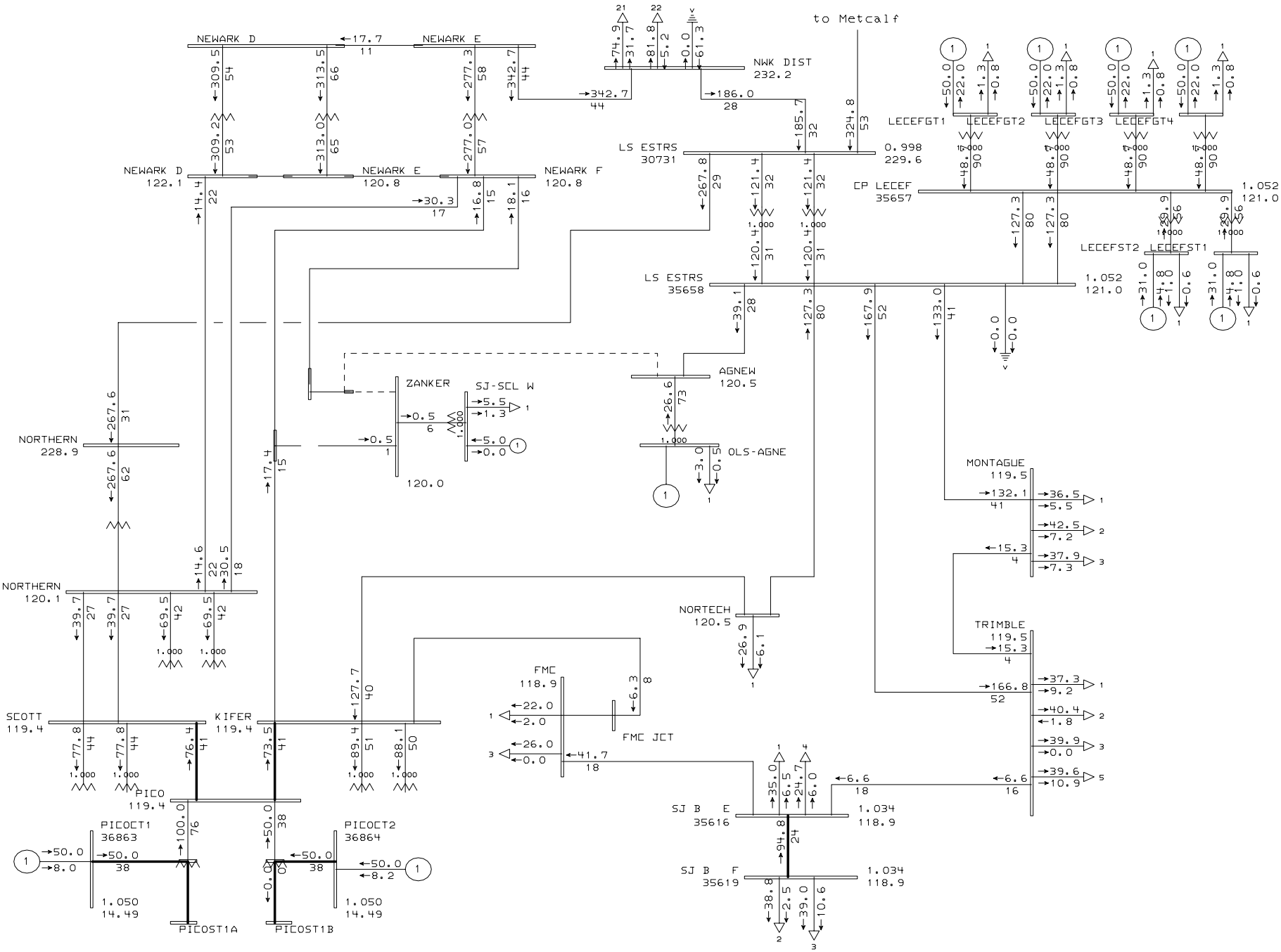
227.3
LECEFGT1
LECEFGT2
LECEFGT3
LECEFGT4
CP LECEF
35657
1.044
120.1
LECEFST2
LECEFST1
LS ESTRS
35658
1.044
120.1
AGNEW
119.7
ZANKER
118.4
SJ-SCL W
OLS-AGNE
NORTHERN
226.5
NORTHERN
118.5
SCOTT
117.7
KIFER
117.7
NORTECH
119.4
FMC
117.5
FMC JCT
MONTAGUE
118.4
TRIMBLE
118.3
SJ B E
35616
1.022
117.6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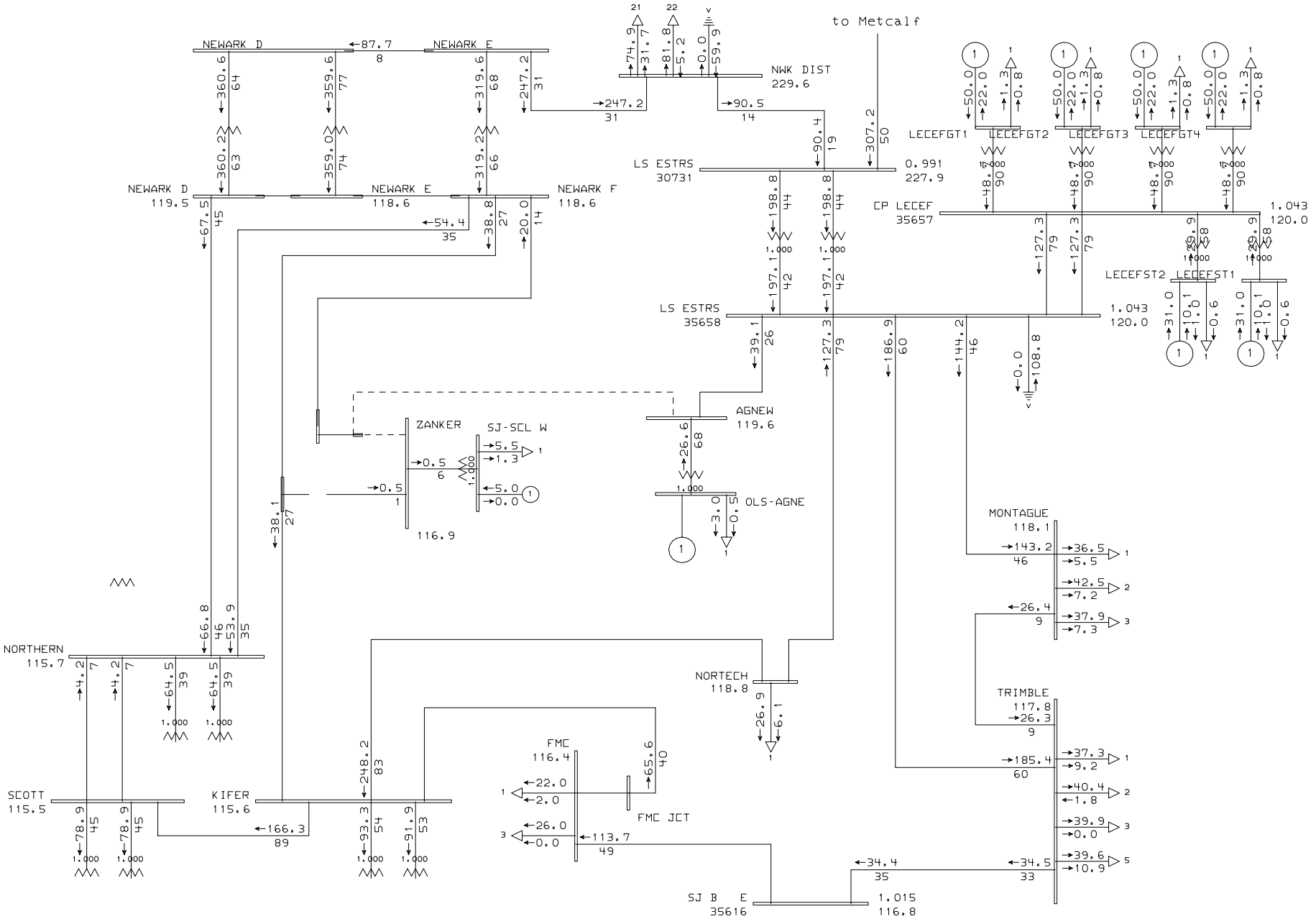
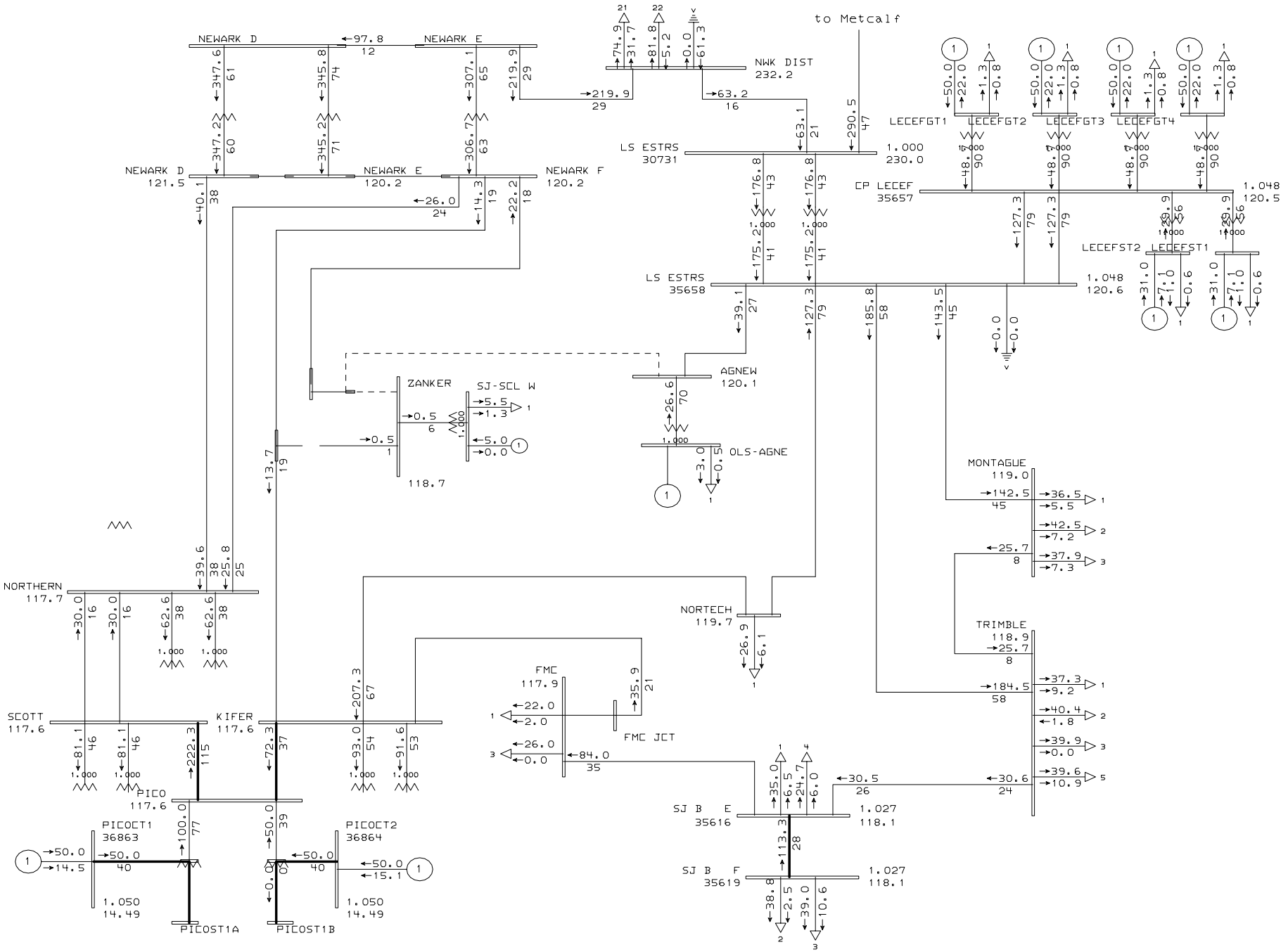
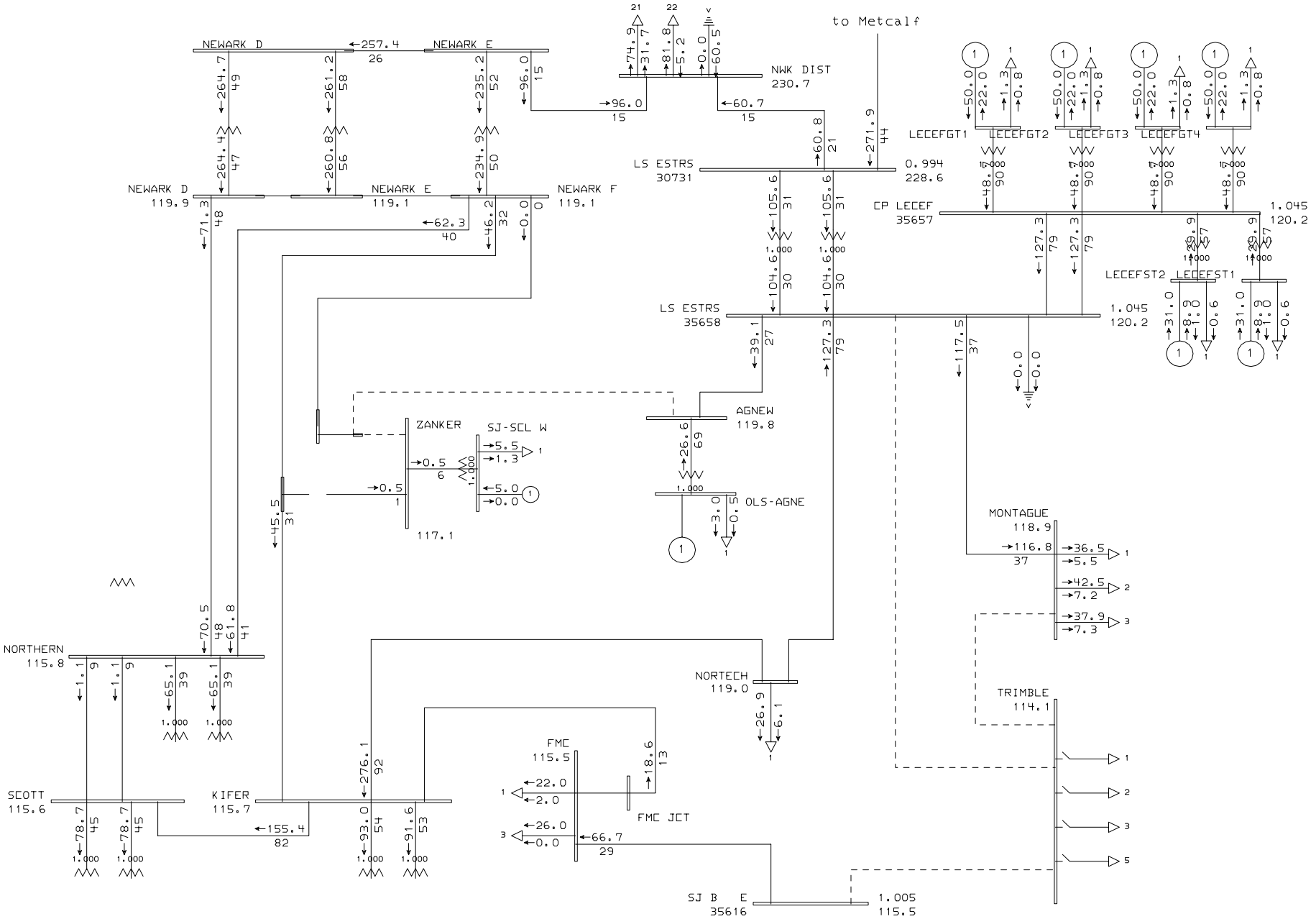
NEWARK E
NEWARK D
122.1
NEWARK E
120.8
NEWARK F
120.8
NWK DIST
232.2
to Metcalf
LS ESTRS
30731
0.998
229.6
LECEFGT1
LECEFGT2
LECEFGT3
LECEFGT4
CP LECEF
35657
1.052
121.0
LECEFST2
LECEFST1
LS ESTRS
35658
1.052
121.0
ZANKER
SJ-SCL W
120.0
AGNEW
120.5
OLS-AGNE
NORTHERN
228.9
NORTHERN
120.1
MONTAGUE
119.5
TRIMBLE
119.5
NORTECH
120.5
FMC
118.9
FMC JCT
SCOTT
119.4
KIFER
119.4
PICO
119.4
PICOCT1
36863
PICOCT2
36864
1.050
14.49
PICOST1A
PICOST1B
SJ B E
35616
1.034
118.9
SJ B F
35619
1.034
118.9


NEWARK D
NEWARK E
NEWARK F
NEWARK D
119.5
NEWARK E
118.6
NEWARK F
118.6
NWK DIST
229.6
to Metcalf
LS ESTRS
30731
0.991
227.9
LECEFGT1
LECEFGT2
LECEFGT3
LECEFGT4
CP LECEF
35657
1.043
120.0
LECEFST2
LECEFST1
LS ESTRS
35658
1.043
120.0
AGNEW
119.6
ZANKER
SJ-SCL W
116.9
OLS-AGNE
MONTAGUE
118.1
NORTHERN
115.7
NORTECH
118.8
TRIMBLE
117.8
SCOTT
115.5
KIFER
115.6
FMC
116.4
FMC JCT
SJ B E
35616
1.015
116.8


NEWARK D
NEWARK E
NEWARK F
NEWARK D
121.5
NEWARK E
120.2
NEWARK F
120.2
NWK DIST
232.2
to Metcalf
LS ESTRS
30731
1.000
230.0
LECEFGT1
LECEFGT2
LECEFGT3
LECEFGT4
CP LECEF
35657
1.048
120.5
LECEFST2
LECEFST1
LS ESTRS
35658
1.048
120.6
AGNEW
120.1
ZANKER
118.7
SJ-SCL W
OLS-AGNE
MONTAGUE
119.0
TRIMBLE
118.9
NORTHERN
117.7
NORTECH
119.7
SCOTT
117.6
KIFER
117.6
FMC
117.9
FMC JCT
PICO
117.6
PICOCT1
36863
PICOCT2
36864
1.050
14.49
PICOST1A
PICOST1B
SJ B E
35616
1.027
118.1
SJ B F
35619
1.027
118.1

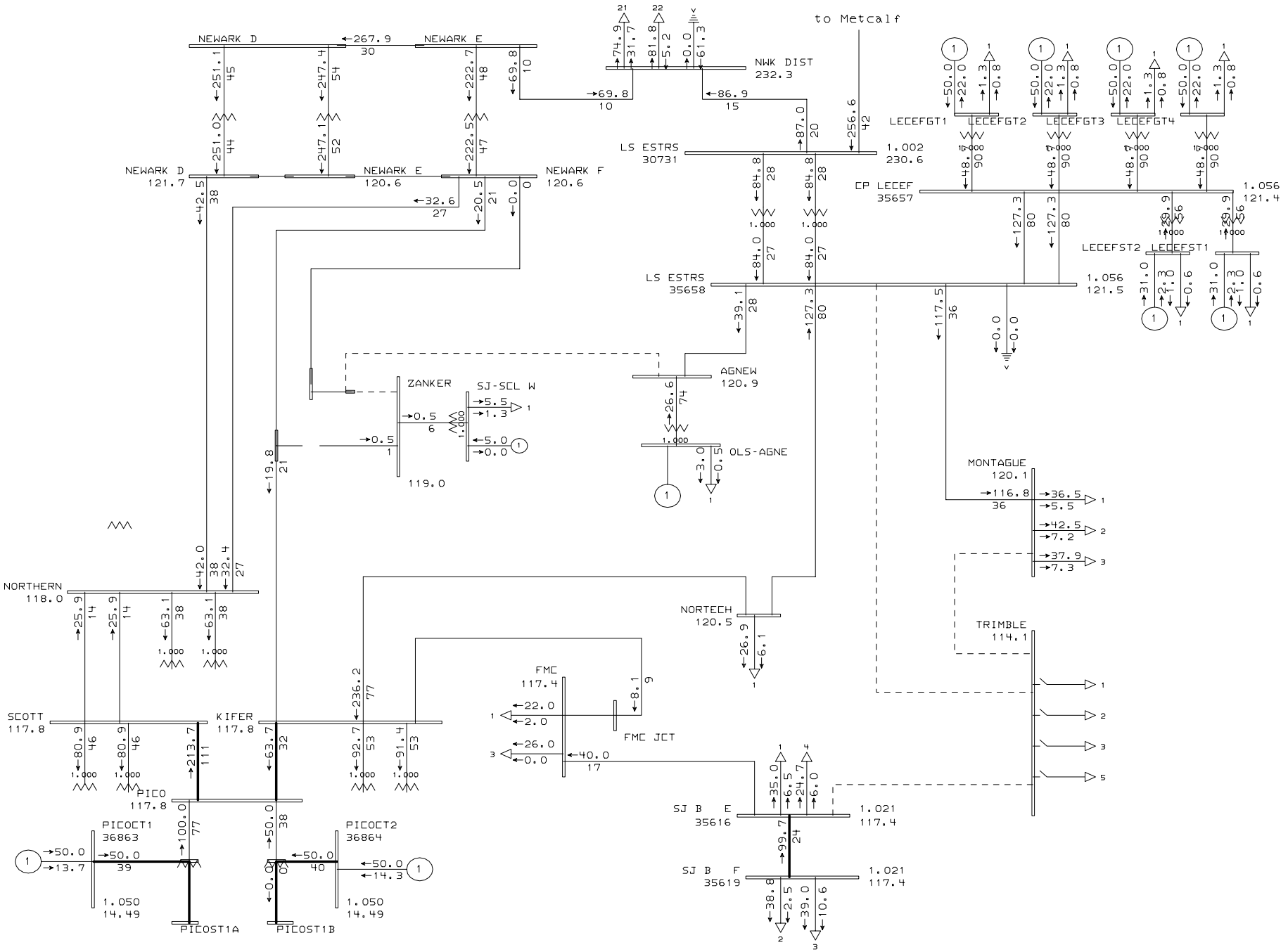


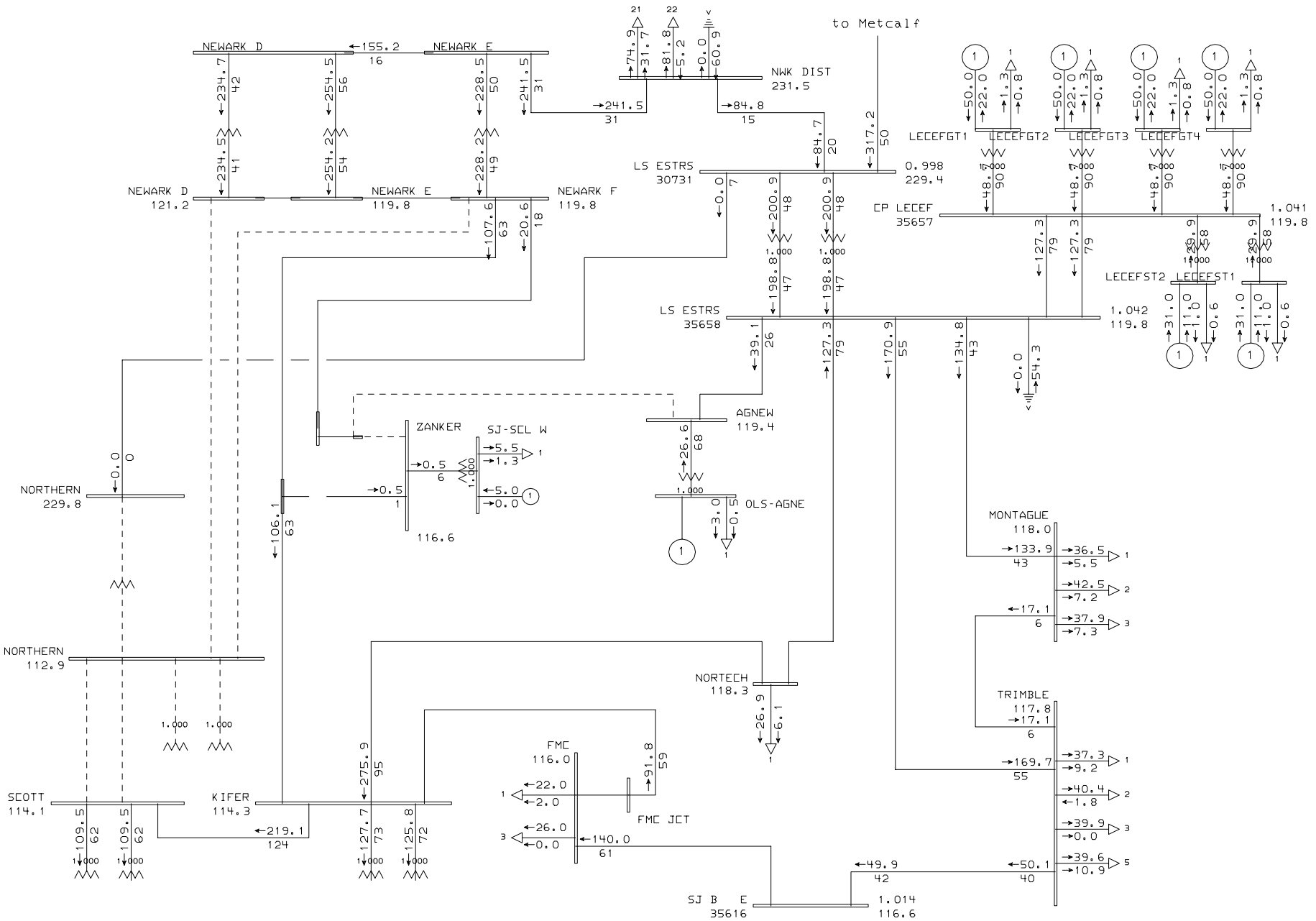
General Electric International, Inc. PSLF Program MW/Pct Mon Sep 16 12:30:55 2002

PG&E 2002 TRANSMISSION ASSESSMENT STUDY: 2004 SUMMER PEAK AREA 7/8 FL CASE
PATH15=1441MW (S-N) PATH26=2960MW (N-S) PDCI=3132MW (N-S) COI=3751NW (N-S)
PICO POWER PLANT (150 MW) - 2004 SUMMER PEAK PRE-PROJECT CASE

Los Esteros - Northern 230 kV line NOT modeled (hs04_pico_preB.sav)
Trimble 115 kV Bus Fault

C:\PSLF_work\Projects\Pico\svp
C:\PSLF_work\Projects\Pico\hs0
Rating = 2


NEWARK D
NEWARK E
NEWARK F
NEWARK D
121.7
NEWARK E
120.6
NEWARK F
120.6
NWK DIST
232.3
to Metcalf
LS ESTRS
30731
1.002
230.6
LECEFGT1
LECEFGT2
LECEFGT3
LECEFGT4
CP LECEF
35657
1.056
121.4
LECEFST2
LECEFST1
LS ESTRS
35658
1.056
121.5
AGNEW
120.9
ZANKER
119.0
SJ-SCL W
OLS-AGNE
MONTAGUE
120.1
NORTHERN
118.0
NORTECH
120.5
TRIMBLE
114.1
SCOTT
117.8
KIFER
117.8
FMC
117.4
FMC JCT
PICO
117.8
PICOCT1
36863
PICOCT2
36864
1.050
14.49
PICOST1A
PICOST1B
SJ B E
35616
1.021
117.4
SJ B F
35619
1.021
117.4

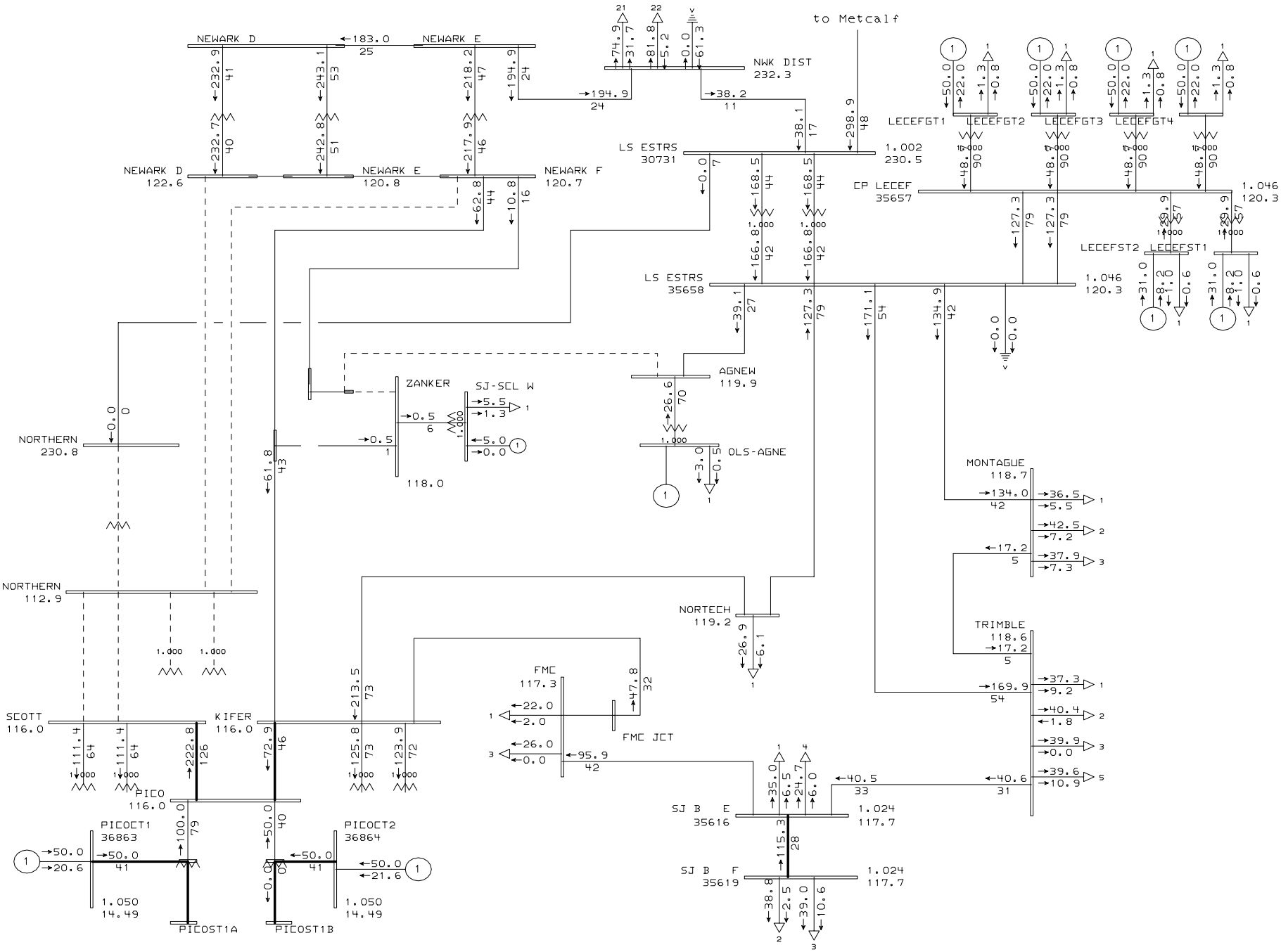


General Electric International, Inc. PSLF Program MW/Pct Mon Sep 16 12:11:20 2002

PG&E 2002 TRANSMISSION ASSESSMENT STUDY: 2004 SUMMER PEAK AREA 7/8 FL CASE
PATH15=1441MW (S-N) PATH26=2960MW (N-S) PDCI=3132MW (N-S) COI=3751NW (N-S)
PICO POWER PLANT (150 MW) - 2004 SUMMER PEAK PRE-PROJECT CASE

Los Esteros - Northern 230 kV line modeled (hs04_pico_preA.sav)
Northern 115 kV Bus Fault

C:\PSLF_work\Projects\Pico\svp
C:\PSLF_work\Projects\Pico\hs0
Rating = 2

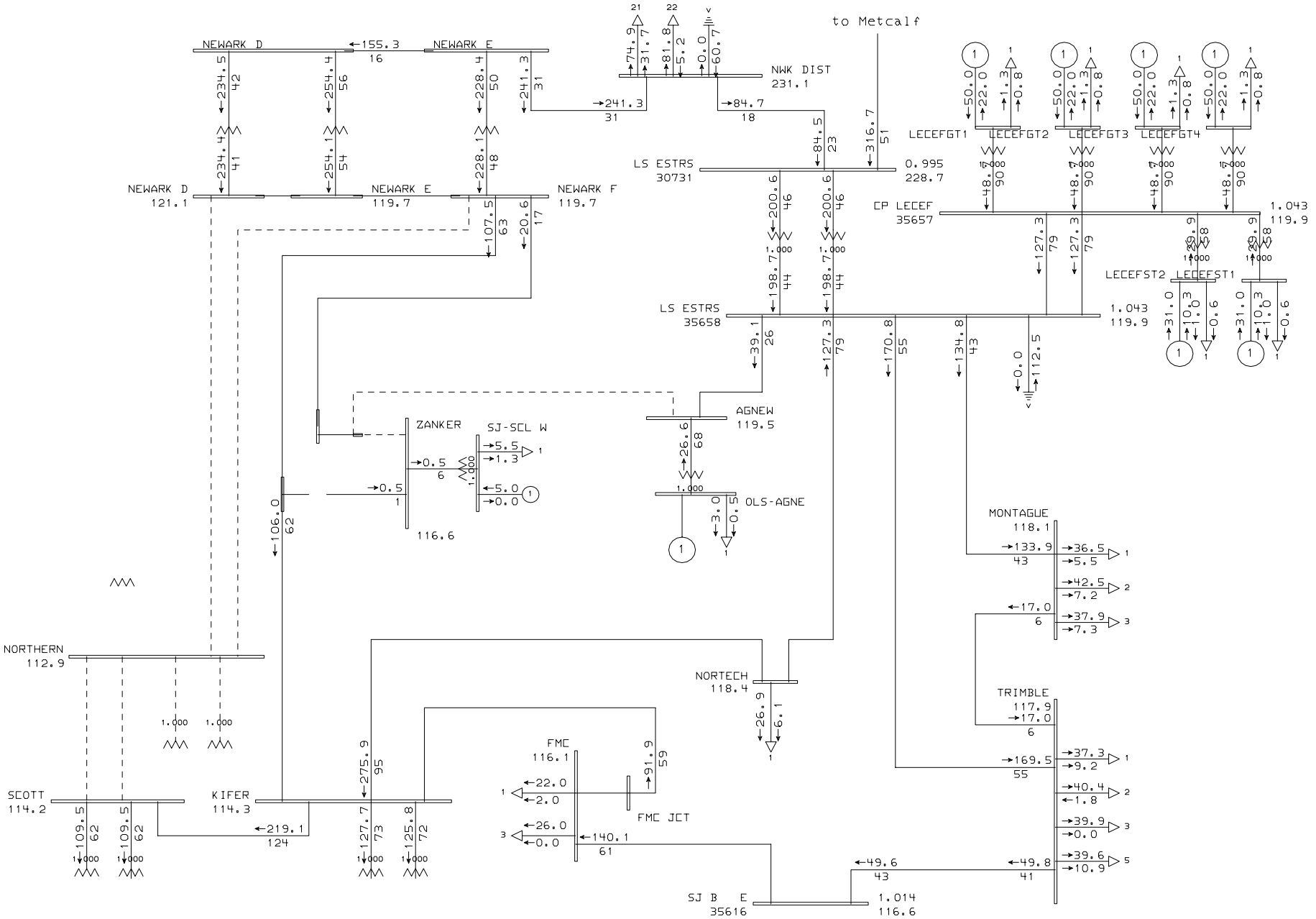


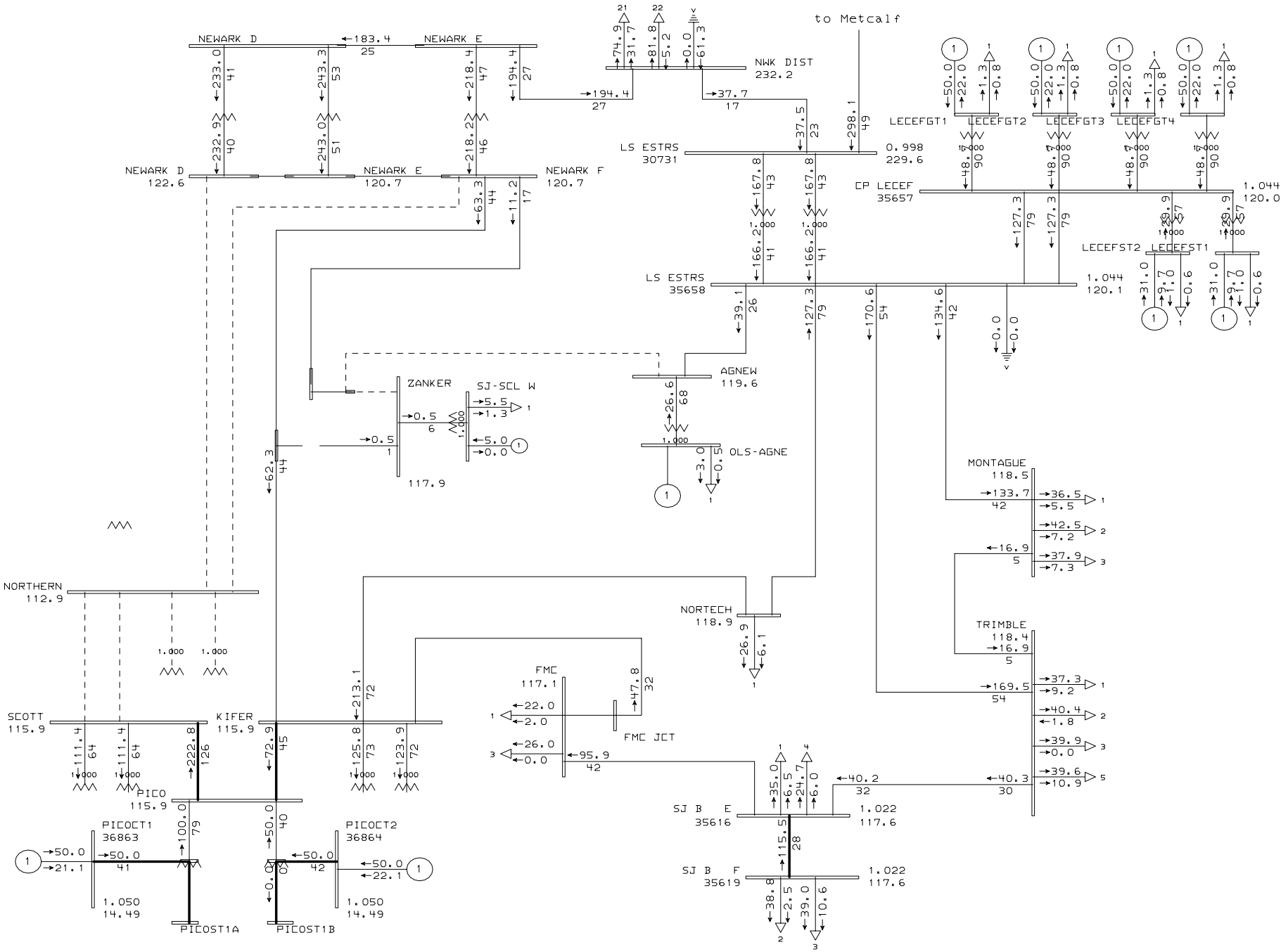
General Electric International, Inc. PSLF Program MW/Pct Mon Sep 16 12:12:17 2002

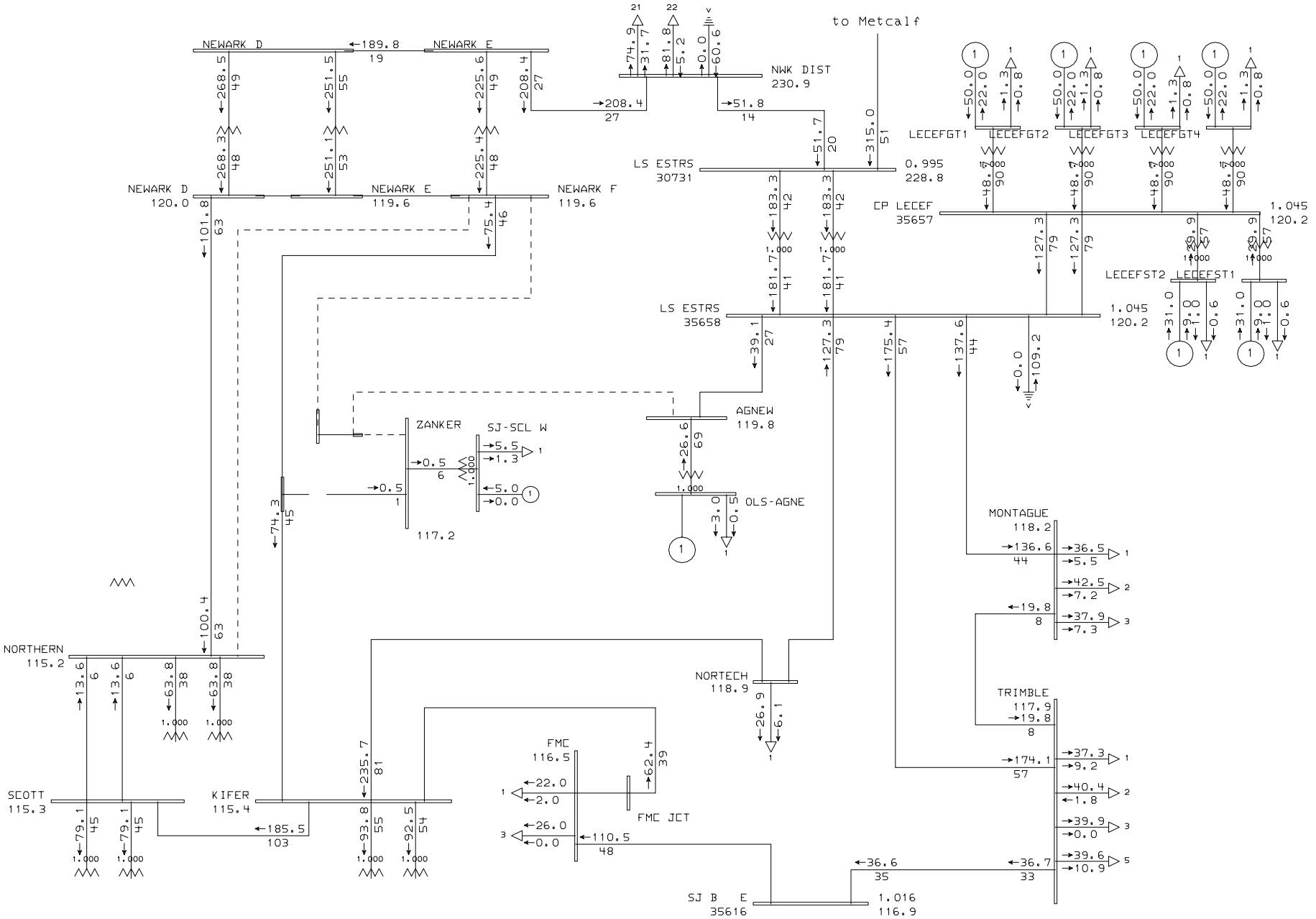
PG&E 2002 TRANSMISSION ASSESSMENT STUDY: 2004 SUMMER PEAK AREA 7/8 FL CASE
PATH15=1441MW (S-N) PATH26=2960MW (N-S) PDCI=3132MW (N-S) COI=3751NW (N-S)
PICO POWER PLANT (150 MW) - 2004 SUMMER PEAK POST-PROJECT CASE

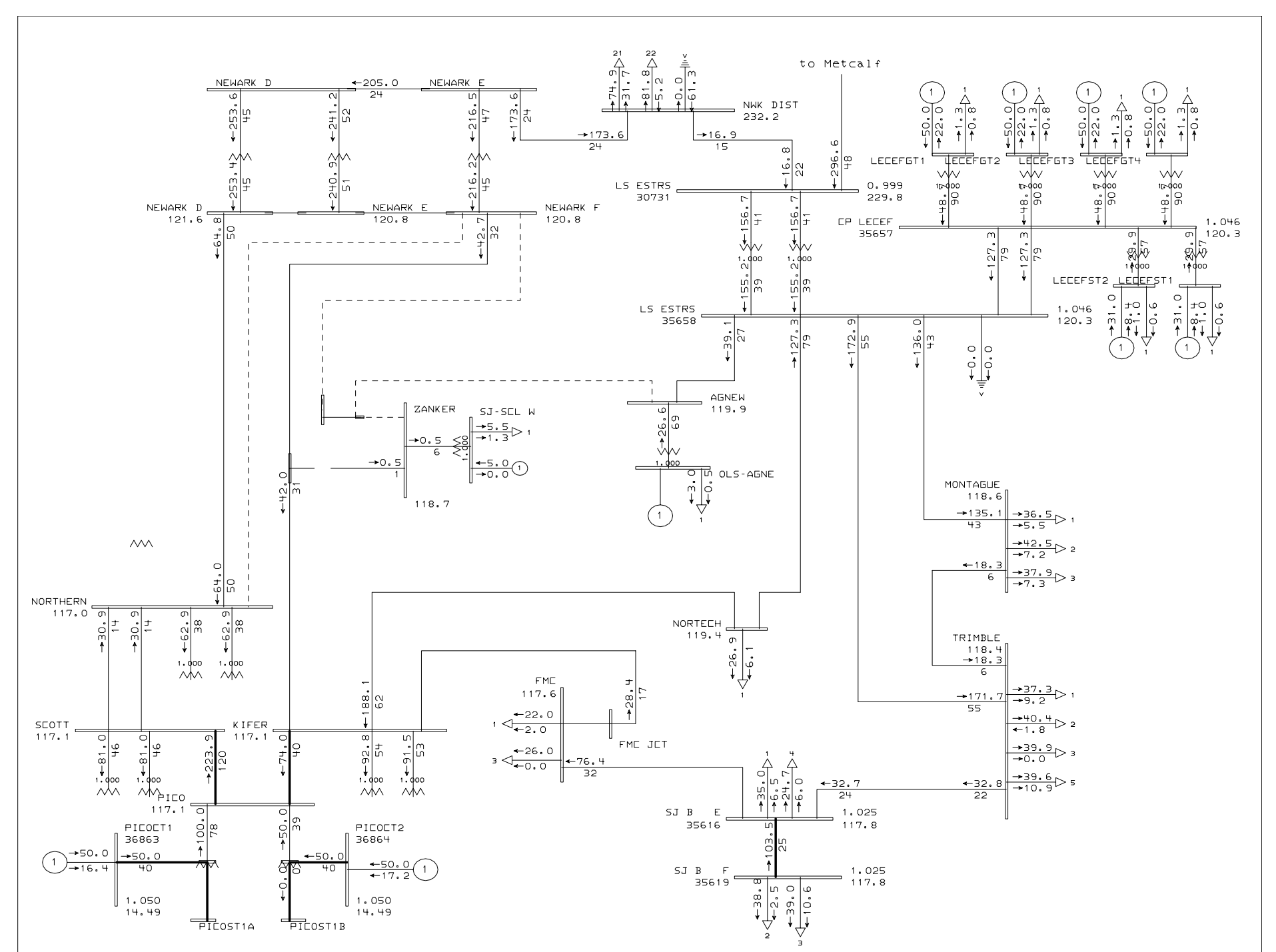
Los Esteros - Northern 230 kV line modeled (hs04_pico_pstA.sav)
Northern 115 kV Bus Fault

C:\PSLF_work\Projects\Pico\svp
C:\PSLF_work\Projects\Pico\hs0
Rating = 2


NEWARK D
121.1
NEWARK E
119.7
NEWARK F
119.7
155.3
16
234.5 42
234.4 41
254.4 56
254.1 54
228.4 50
228.1 48
241.3 31
107.5 63
20.6 17
106.0 62
NWK DIST
231.1
74.9 31.7
81.8 5.2
0.0 60.7
241.3 31
84.7 18
84.5 23
316.7 51
to Metcalf
LS ESTRS
30731
0.995
228.7
200.6 46
198.7 44
1.000
CP LECEF
35657
1.043
119.9
127.3 79
29.9 58
LECEFGT1
LECEFGT2
LECEFGT3
LECEFGT4
50.0
22.0
1.3
0.8
48.7 90
LECEFST1
LECEFST2
31.0
10.3
1.0
0.6
LS ESTRS
35658
1.043
119.9
39.1 26
127.3 79
170.8 55
134.8 43
0.0
112.5
AGNEW
119.5
26.6 68
OLS-AGNE
3.0
0.5
ZANKER
116.6
SJ-SCL W
0.5 6
0.5 1
5.5
1.3
5.0
0.0
MONTAGUE
118.1
133.9 43
36.5
5.5
42.5
7.2
17.0 6
37.9
7.3
NORTHERN
112.9
NORTECH
118.4
26.9
6.1
TRIMBLE
117.9
17.0 6
169.5 55
37.3
9.2
40.4
1.8
39.9
0.0
39.6
10.9
49.8 41
49.6 43
SCOTT
114.2
KIFER
114.3
109.5 62
219.1 124
275.9 95
127.7 73
125.8 72
FMC
116.1
91.9 59
22.0
2.0
26.0
0.0
140.1 61
FMC JCT
SJ B E
35616
1.014
116.6


NEWARK D
122.6
NEWARK E
120.7
NEWARK F
120.7
NWK DIST
232.2
to Metcalf
LS ESTRS
30731
0.998
229.6
CP LECEF
35657
1.044
120.0
LECEFGT1
LECEFGT2
LECEFGT3
LECEFGT4
LECEFST1
LECEFST2
LS ESTRS
35658
1.044
120.1
AGNEW
119.6
ZANKER
117.9
SJ-SCL W
OLS-AGNE
MONTAGUE
118.5
TRIMBLE
118.4
NORTECH
118.9
NORTHERN
112.9
SCOTT
115.9
KIFER
115.9
PICO
115.9
FMC
117.1
FMC JCT
SJ B E
35616
1.022
117.6
SJ B F
35619
1.022
117.6
PICOCT1
36863
1.050
14.49
PICOCT2
36864
1.050
14.49
PICOST1A
PICOST1B


to Metcalf
NEWARK D
120.0
NEWARK E
119.6
NEWARK F
119.6
NWK DIST
230.9
LS ESTRS
30731
0.995
228.8
CP LECEF
35657
1.045
120.2
LECEFGT1
LECEFGT2
LECEFGT3
LECEFGT4
LECEFST1
LECEFST2
LS ESTRS
35658
1.045
120.2
AGNEW
119.8
ZANKER
117.2
SJ-SCL W
OLS-AGNE
MONTAGUE
118.2
TRIMBLE
117.9
NORTECH
118.9
NORTHERN
115.2
SCOTT
115.3
KIFER
115.4
FMC
116.5
FMC JCT
SJ B E
35616
1.016
116.9

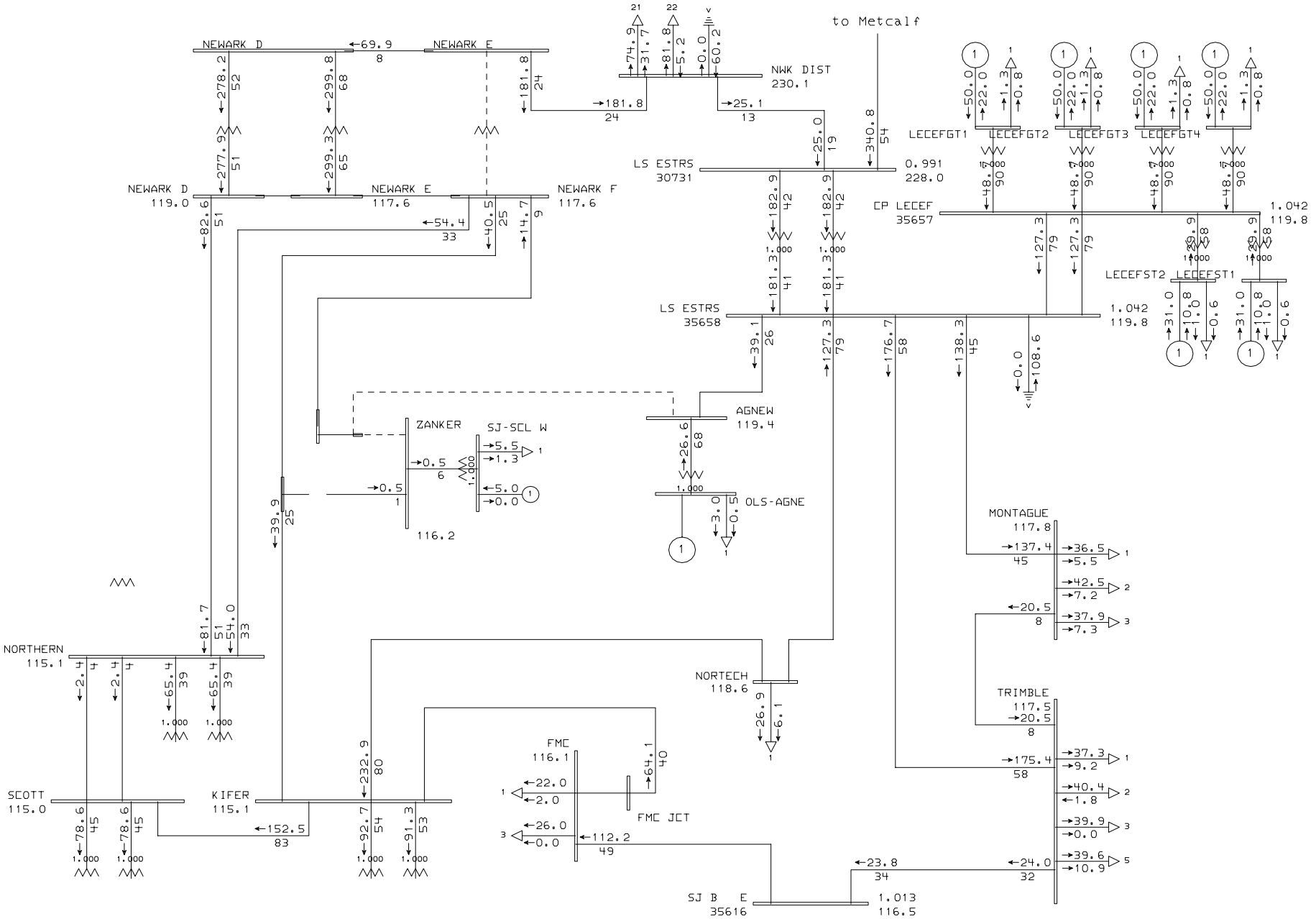


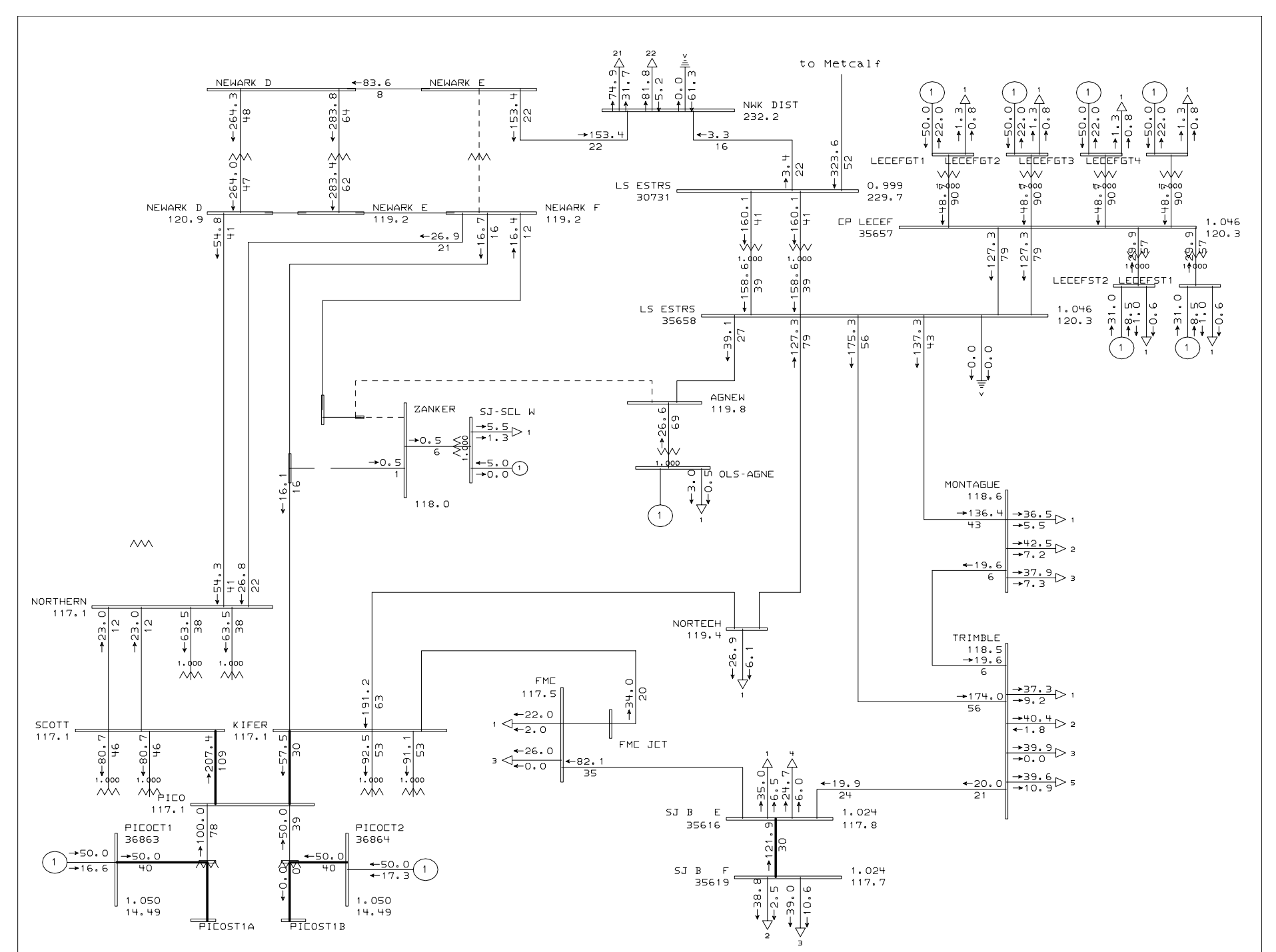
General Electric International, Inc. PSLF Program MW/Pct Mon Sep 16 12:39:45 2002

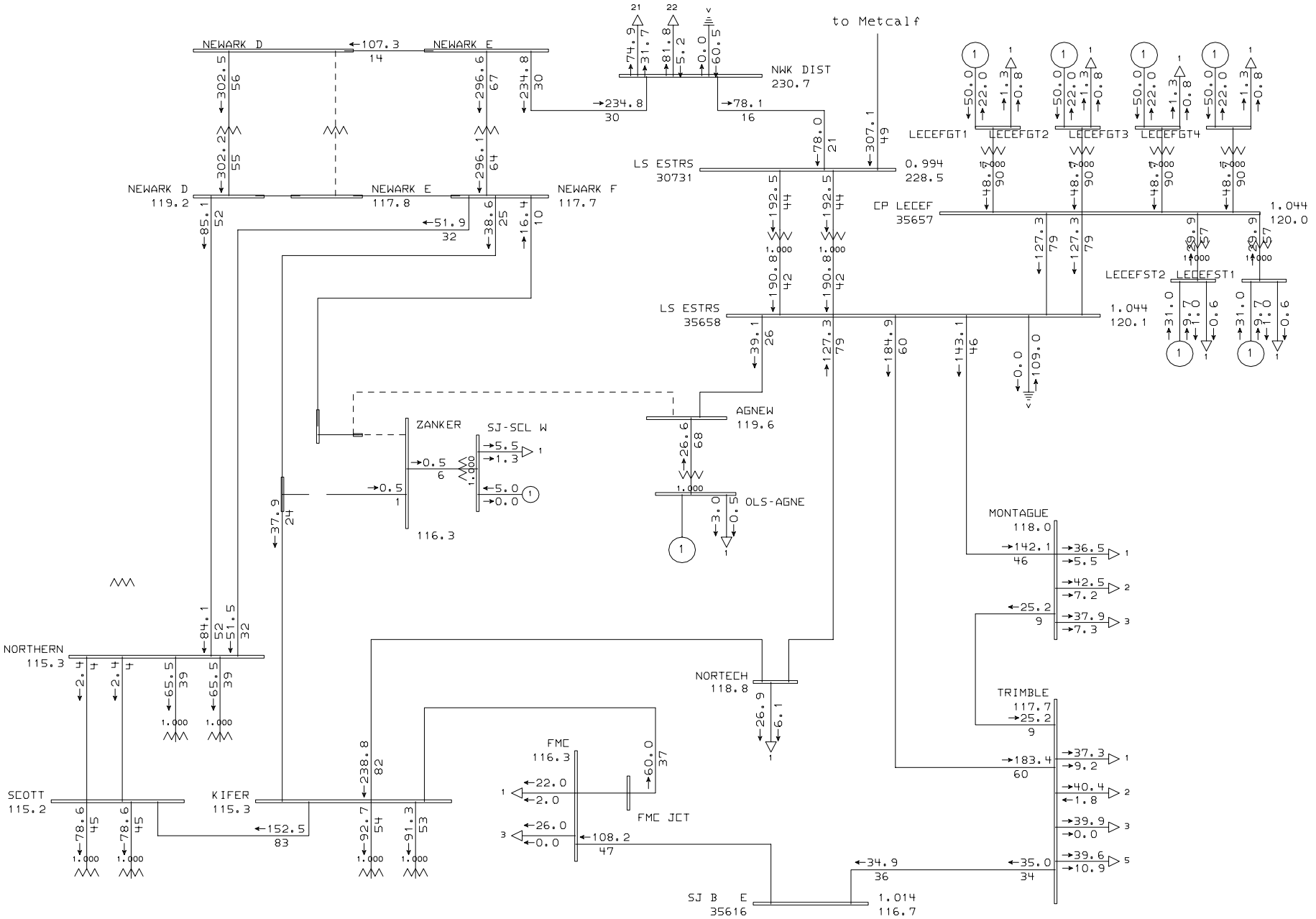
PG&E 2002 TRANSMISSION ASSESSMENT STUDY: 2004 SUMMER PEAK AREA 7/8 FL CASE
PATH15=1441MW (S-N) PATH26=2960MW (N-S) PDCI=3132MW (N-S) COI=3751NW (N-S)
PICO POWER PLANT (150 MW) - 2004 SUMMER PEAK POST-PROJECT CASE

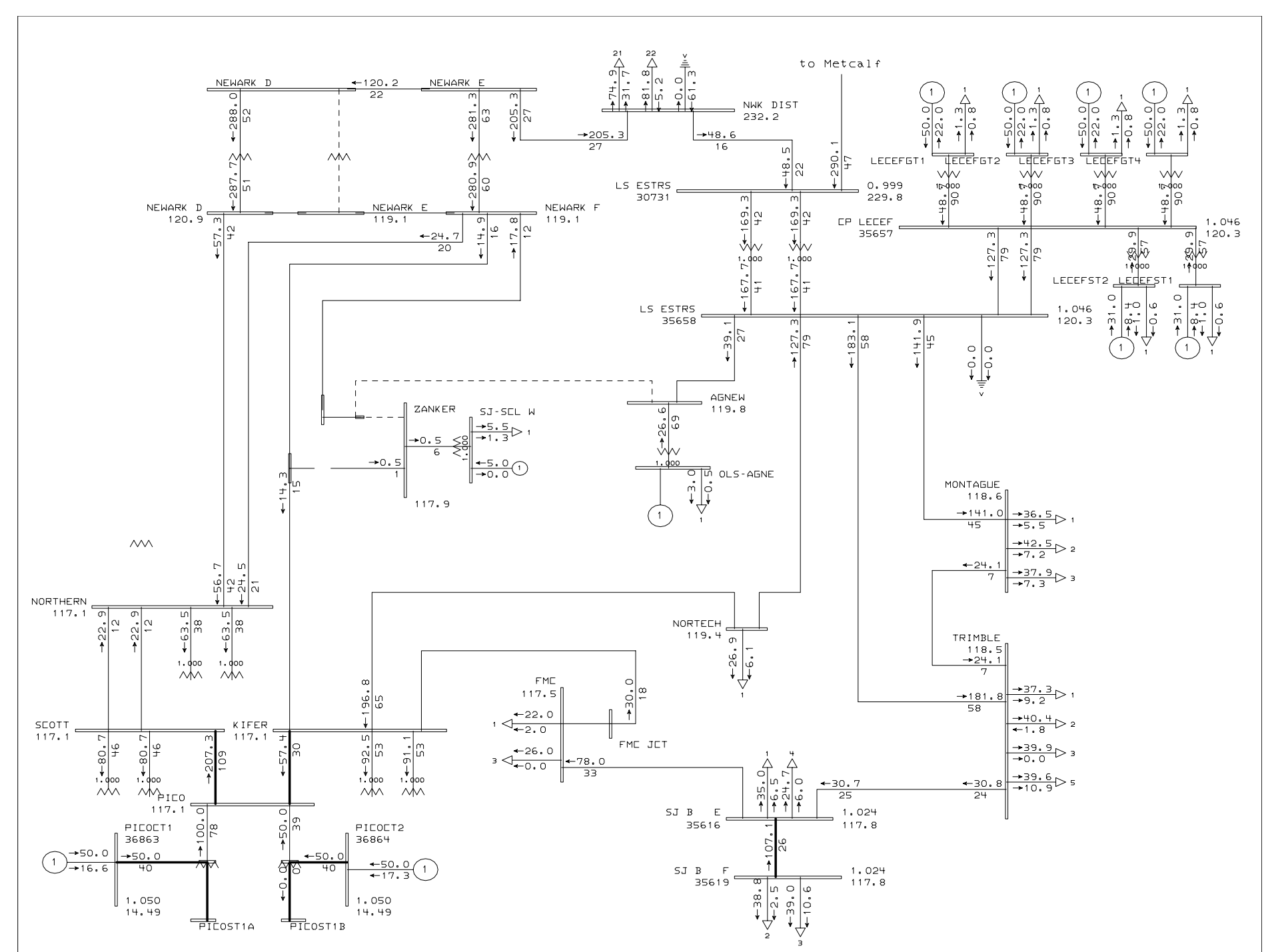
Los Esteros - Northern 230 kV line NOT modeled (hs04_pico_pstB.sav)
Newark F1 115 kV Bus Fault

svp_115pst.drw
hs04_pico_pstB_tap.sav
Rating = 2


NEWARK D
69.9
NEWARK E
NEWARK D
119.0
NEWARK E
117.6
NEWARK F
117.6
NWK DIST
230.1
to Metcalf
LS ESTRS
30731
0.991
228.0
LECEFGT1
LECEFGT2
LECEFGT3
LECEFGT4
CP LECEF
35657
1.042
119.8
LECEFST2
LECEFST1
LS ESTRS
35658
1.042
119.8
AGNEW
119.4
ZANKER
SJ-SCL W
116.2
OLS-AGNE
MONTAGUE
117.8
NORTHERN
115.1
NORTECH
118.6
TRIMBLE
117.5
FMC
116.1
FMC JCT
SCOTT
115.0
KIFER
115.1
SJ B E
35616
1.013
116.5


NEWARK D
NEWARK E
NEWARK F
NEWARK D
120.9
NEWARK E
119.2
NEWARK F
119.2
NWK DIST
232.2
to Metcalf
LS ESTRS
30731
0.999
229.7
LECEFGT1
LECEFGT2
LECEFGT3
LECEFGT4
CP LECEF
35657
1.046
120.3
LECEFST2
LECEFST1
LS ESTRS
35658
1.046
120.3
AGNEW
119.8
ZANKER
118.0
SJ-SCL W
OLS-AGNE
MONTAGUE
118.6
TRIMBLE
118.5
NORTHERN
117.1
NORTECH
119.4
FMC
117.5
FMC JCT
SCOTT
117.1
KIFER
117.1
PICO
117.1
PICOCT1
36863
PICOCT2
36864
PICOST1A
PICOST1B
1.050
14.49
1.050
14.49
SJ B E
35616
1.024
117.8
SJ B F
35619
1.024
117.7


NEWARK D
119.2
NEWARK E
117.8
NEWARK F
117.7
NWK DIST
230.7
to Metcalf
LS ESTRS
30731
0.994
228.5
LECEFGT1
LECEFGT2
LECEFGT3
LECEFGT4
CP LECEF
35657
1.044
120.0
LECEFST2
LECEFST1
LS ESTRS
35658
1.044
120.1
AGNEW
119.6
ZANKER
116.3
SJ-SCL W
OLS-AGNE
MONTAGUE
118.0
NORTHERN
115.3
NORTECH
118.8
TRIMBLE
117.7
SCOTT
115.2
KIFER
115.3
FMC
116.3
FMC JCT
SJ B E
35616
1.014
116.7

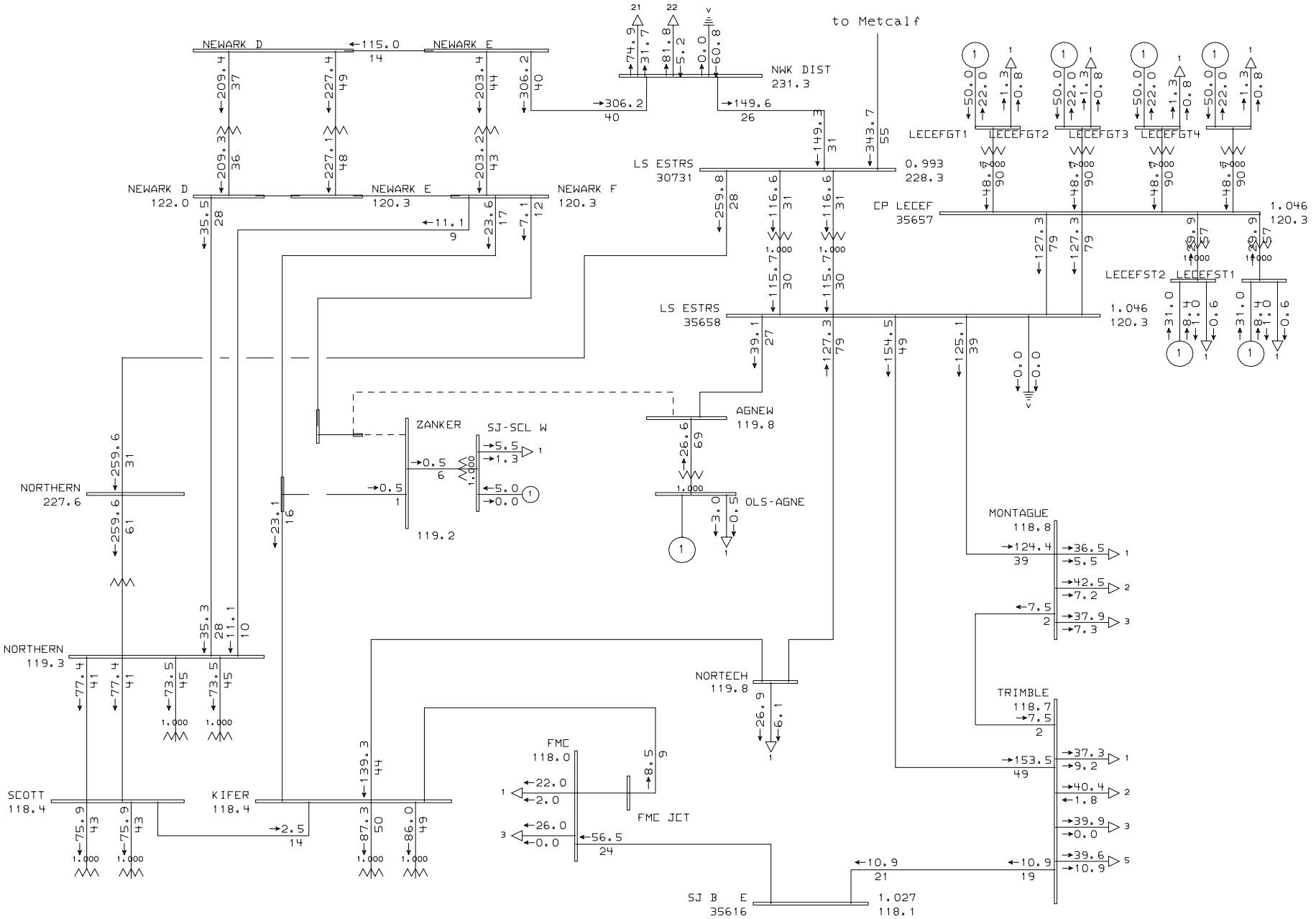


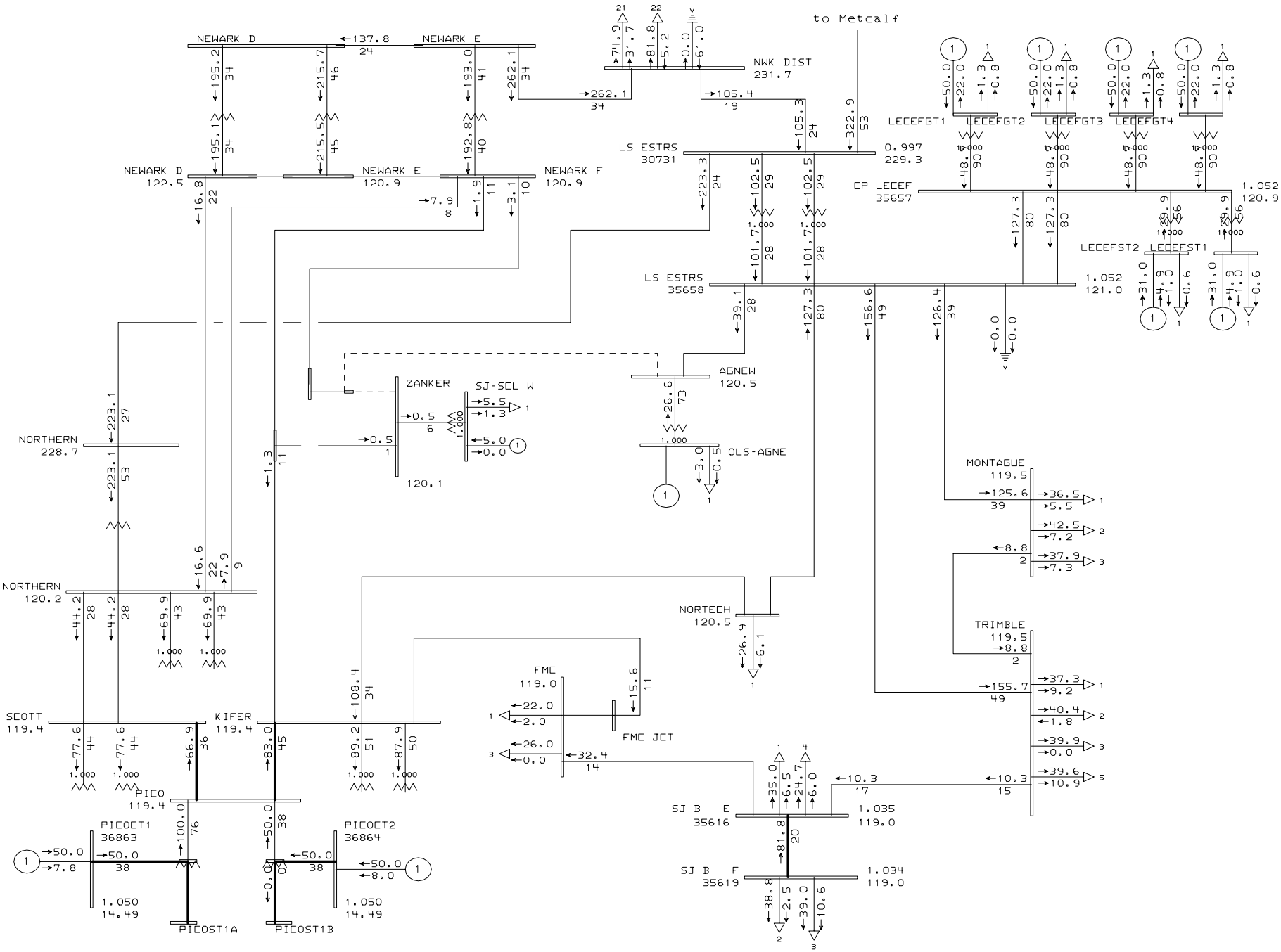
General Electric International, Inc. PSLF Program MW/Pct Mon Sep 16 12:38:52 2002

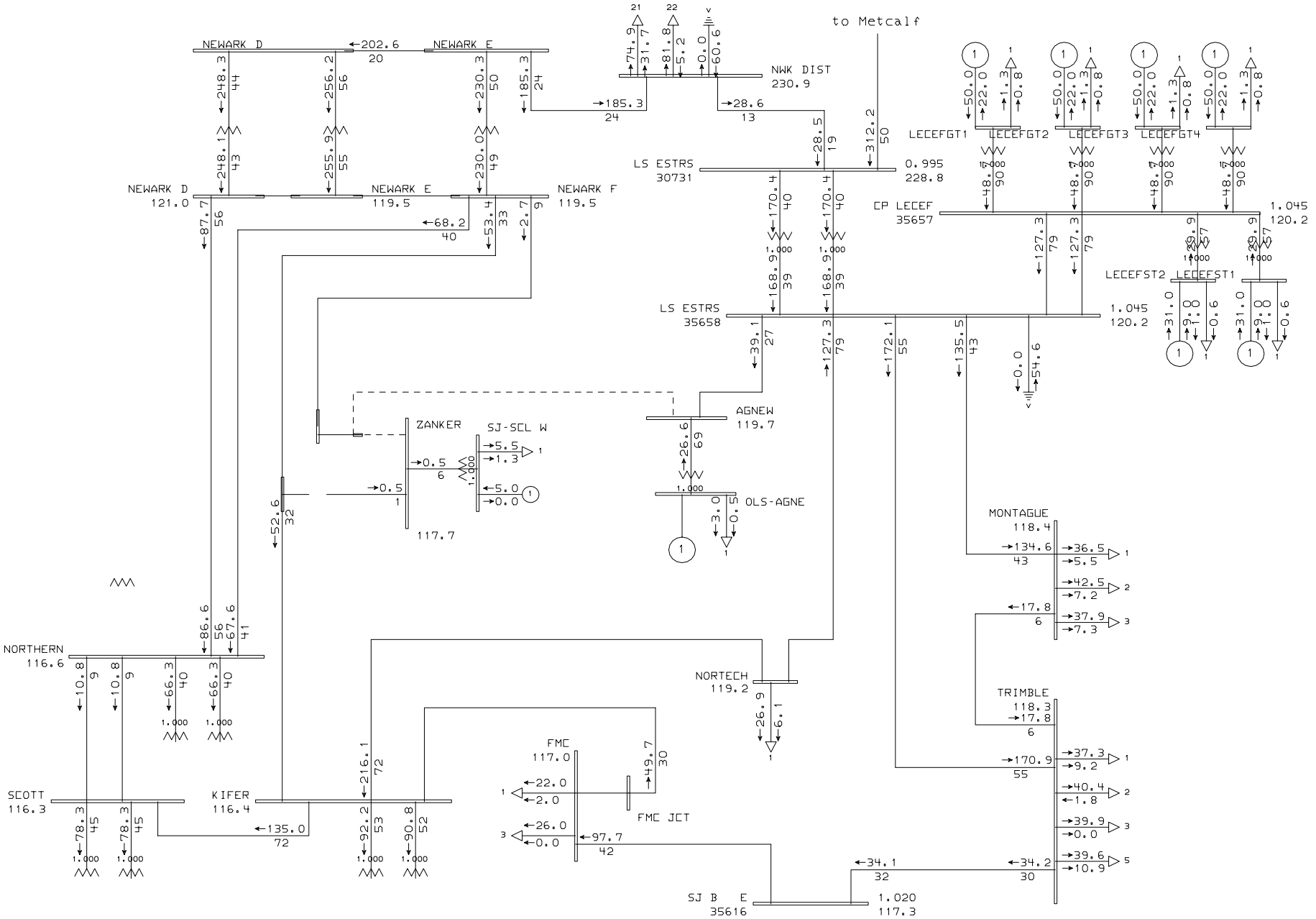
PG&E 2002 TRANSMISSION ASSESSMENT STUDY: 2004 SUMMER PEAK AREA 7/8 FL CASE
PATH15=1441MW (S-N) PATH26=2960MW (N-S) PDCI=3132MW (N-S) COI=3751NW (N-S)
PICO POWER PLANT (150 MW) - 2004 SUMMER PEAK POST-PROJECT CASE

Los Esteros - Northern 230 kV line NOT modeled (hs04_pico_pstB.sav)
Newark D2 230 kV Bus Fault

svp_115pst.drw
hs04_pico_pstB_tap.sav
Rating = 2


NEWARK D
115.0
14
NEWARK E
NEWARK D
122.0
NEWARK E
120.3
NEWARK F
120.3
NWK DIST
231.3
to Metcalf
LS ESTRS
30731
0.993
228.3
LECEFGT1
LECEFGT2
LECEFGT3
LECEFGT4
CP LECEF
35657
1.046
120.3
LECEFST2
LECEFST1
LS ESTRS
35658
1.046
120.3
AGNEW
119.8
ZANKER
119.2
SJ-SCL W
OLS-AGNE
NORTHERN
227.6
NORTHERN
119.3
NORTECH
119.8
MONTAGUE
118.8
TRIMBLE
118.7
SCOTT
118.4
KIFER
118.4
FMC
118.0
FMC JCT
SJ B E
35616
1.027
118.1


NEWARK D
122.5
NEWARK E
120.9
NEWARK F
120.9
NWK DIST
231.7
to Metcalf
LS ESTRS
30731
0.997
229.3
LECEFGT1
LECEFGT2
LECEFGT3
LECEFGT4
CP LECEF
35657
1.052
120.9
LECEFST2
LECEFST1
LS ESTRS
35658
1.052
121.0
ZANKER
120.1
SJ-SCL W
AGNEW
120.5
OLS-AGNE
NORTHERN
228.7
NORTHERN
120.2
NORTECH
120.5
MONTAGUE
119.5
TRIMBLE
119.5
FMC
119.0
FMC JCT
SCOTT
119.4
KIFER
119.4
PICO
119.4
PICOCT1
36863
PICOCT2
36864
PICOST1A
PICOST1B
1.050
14.49
SJ B E
35616
1.035
119.0
SJ B F
35619
1.034
119.0

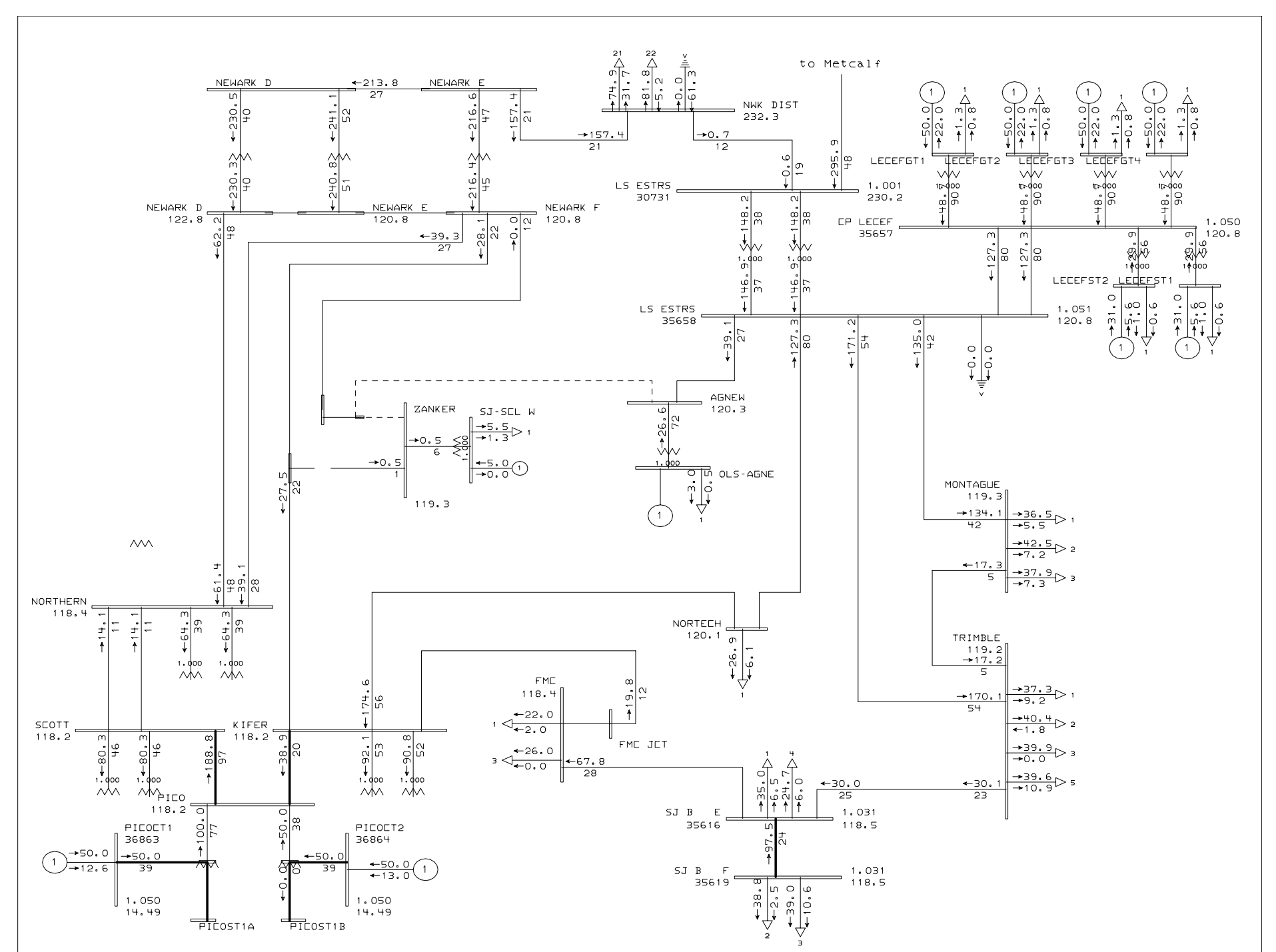


General Electric International, Inc. PSLF Program MW/Pct Mon Sep 16 12:39:29 2002

PG&E 2002 TRANSMISSION ASSESSMENT STUDY: 2004 SUMMER PEAK AREA 7/8 FL CASE
PATH15=1441MW (S-N) PATH26=2960MW (N-S) PDCI=3132MW (N-S) COI=3751NW (N-S)
PICO POWER PLANT (150 MW) - 2004 SUMMER PEAK PRE-PROJECT CASE

Los Esteros - Northern 230 kV line NOT modeled (hs04_pico_preB.sav)
Newark D2 115 kV Bus Fault

svp_115pre.drw
hs04_pico_preB_tap.sav
Rating = 2

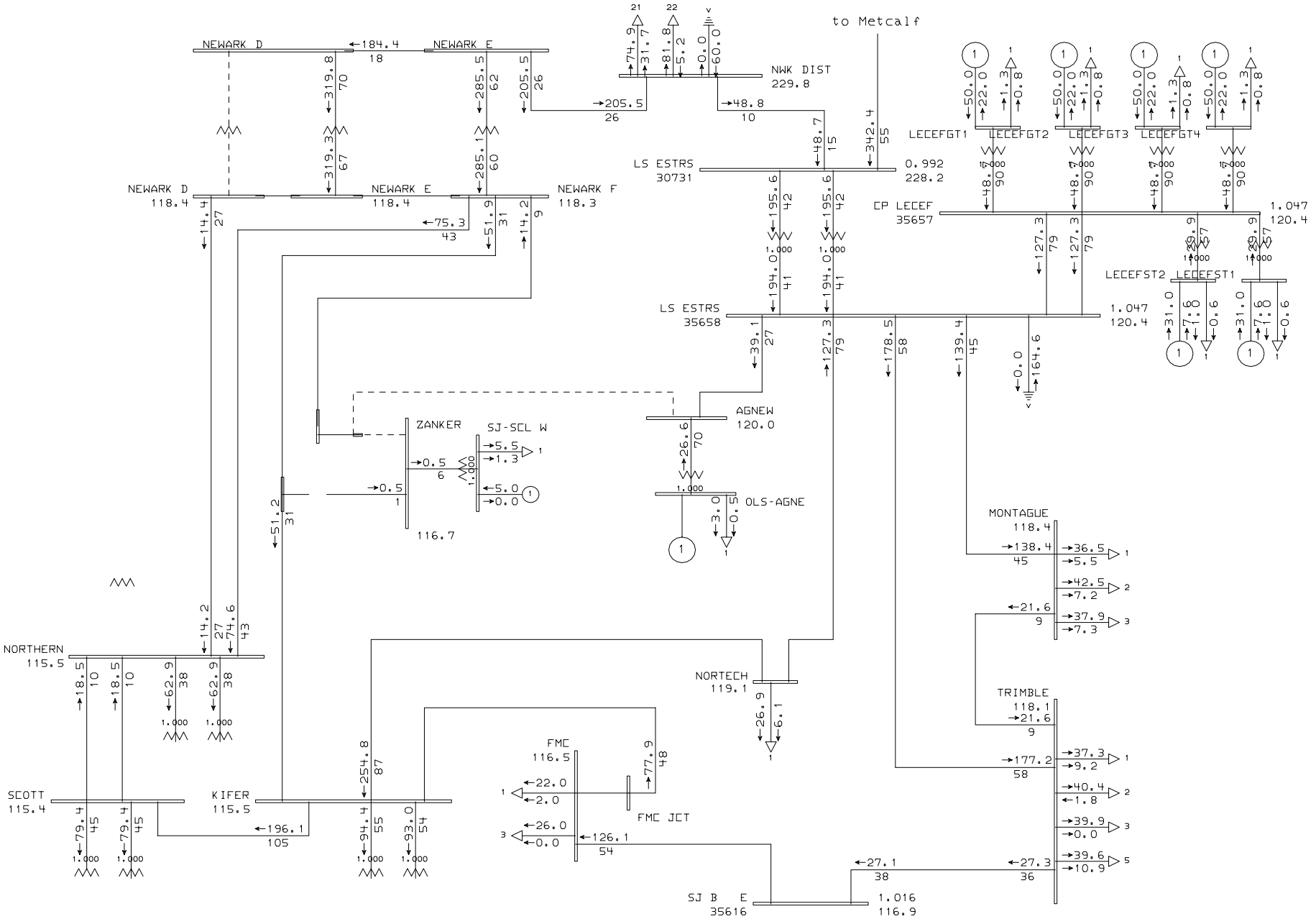


General Electric International, Inc. PSLF Program MW/Pct Mon Sep 16 12:39:33 2002

PG&E 2002 TRANSMISSION ASSESSMENT STUDY: 2004 SUMMER PEAK AREA 7/8 FL CASE
PATH15=1441MW (S-N) PATH26=2960MW (N-S) PDCI=3132MW (N-S) COI=3751NW (N-S)
PICO POWER PLANT (150 MW) - 2004 SUMMER PEAK POST-PROJECT CASE

Los Esteros - Northern 230 kV line NOT modeled (hs04_pico_pstB.sav)
Newark D2 115 kV Bus Fault

svp_115pst.drw
hs04_pico_pstB_tap.sav
Rating = 2


to Metcalf
NEWARK D
NEWARK E
NEWARK F
118.4
118.4
118.3
NWK DIST
229.8
LS ESTRS
30731
0.992
228.2
CP LECEF
35657
1.047
120.4
LECEFGT1
LECEFGT2
LECEFGT3
LECEFGT4
LECEFST1
LECEFST2
LS ESTRS
35658
1.047
120.4
AGNEW
120.0
ZANKER
116.7
SJ-SCL W
OLS-AGNE
MONTAGUE
118.4
TRIMBLE
118.1
NORTECH
119.1
NORTHERN
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FMC
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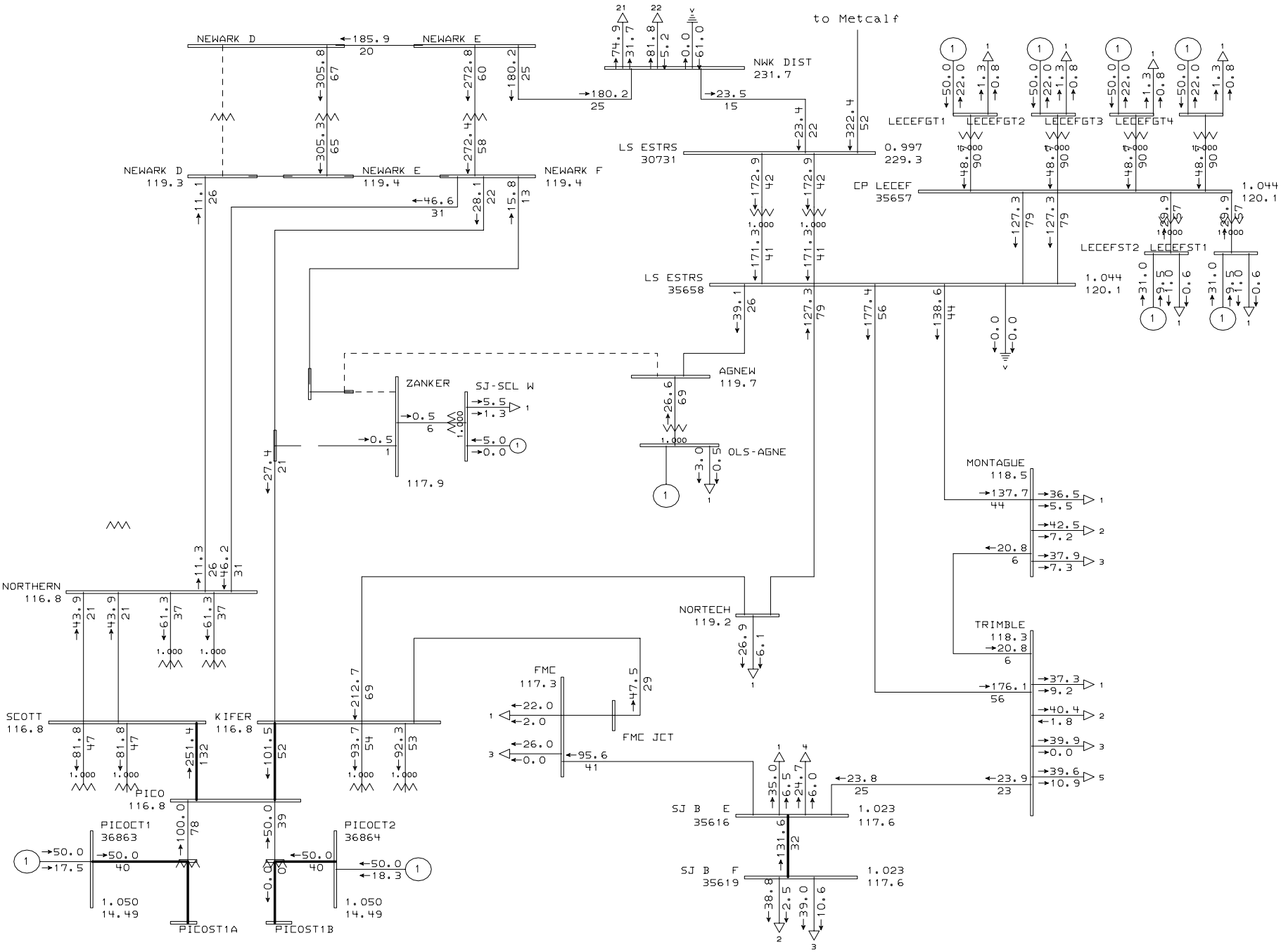
116.9



General Electric International, Inc. PSLF Program MW/Pct Mon Sep 16 12:38:41 2002

PG&E 2002 TRANSMISSION ASSESSMENT STUDY: 2004 SUMMER PEAK AREA 7/8 FL CASE
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PICO POWER PLANT (150 MW) - 2004 SUMMER PEAK POST-PROJECT CASE

Los Esteros - Northern 230 kV line NOT modeled (hs04_pico_pstB.sav)
Newark D1 230 kV Bus Fault

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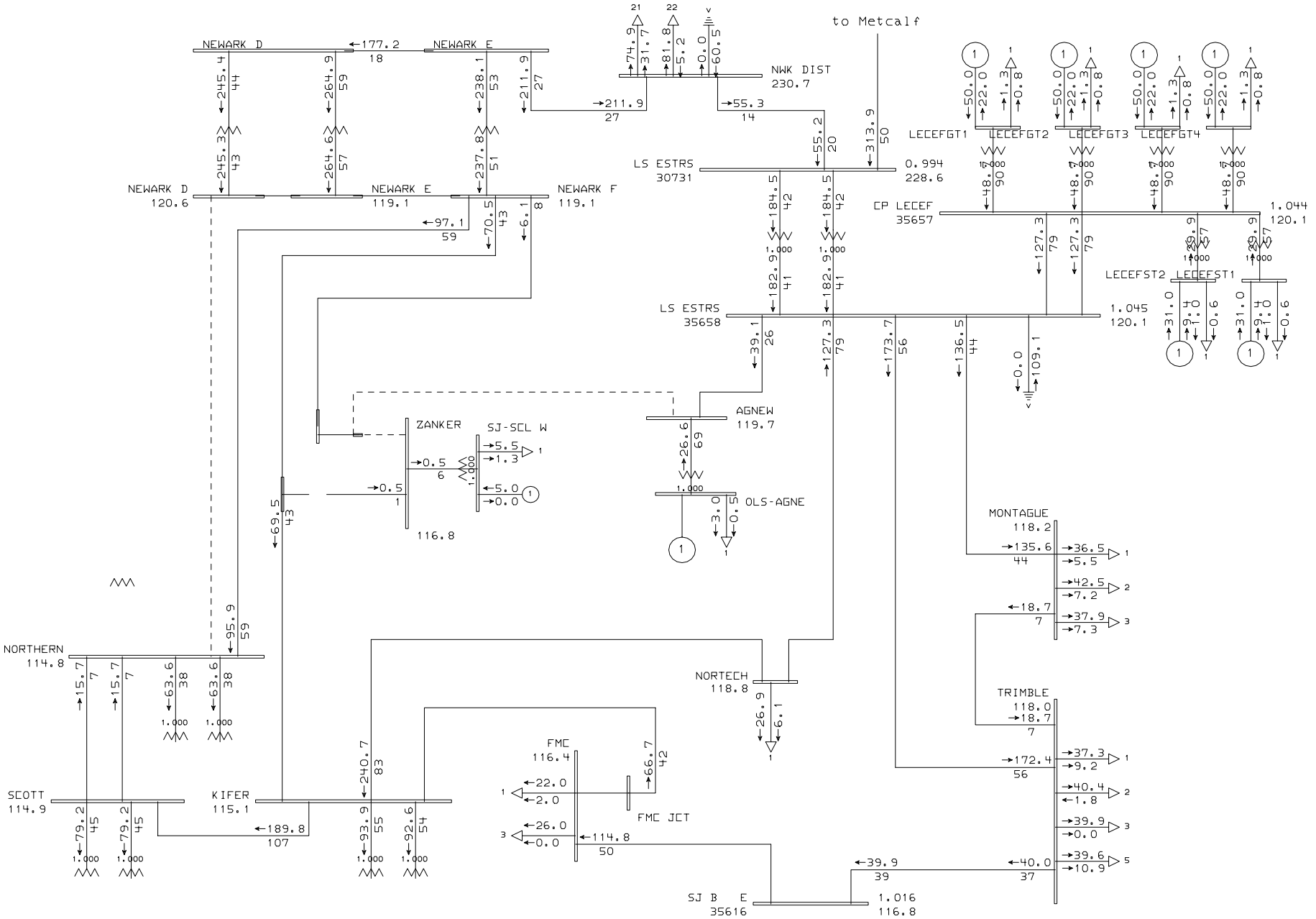

General Electric International, Inc. PSLF Program MW/Pct Mon Sep 16 12:39:18 2002

PG&E 2002 TRANSMISSION ASSESSMENT STUDY: 2004 SUMMER PEAK AREA 7/8 FL CASE
PATH15=1441MW (S-N) PATH26=2960MW (N-S) PDCI=3132MW (N-S) COI=3751NW (N-S)
PICO POWER PLANT (150 MW) - 2004 SUMMER PEAK PRE-PROJECT CASE

Los Esteros - Northern 230 kV line NOT modeled (hs04_pico_preB.sav)
Newark D1 115 kV Bus Fault

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hs04_pico_preB_tap.sav
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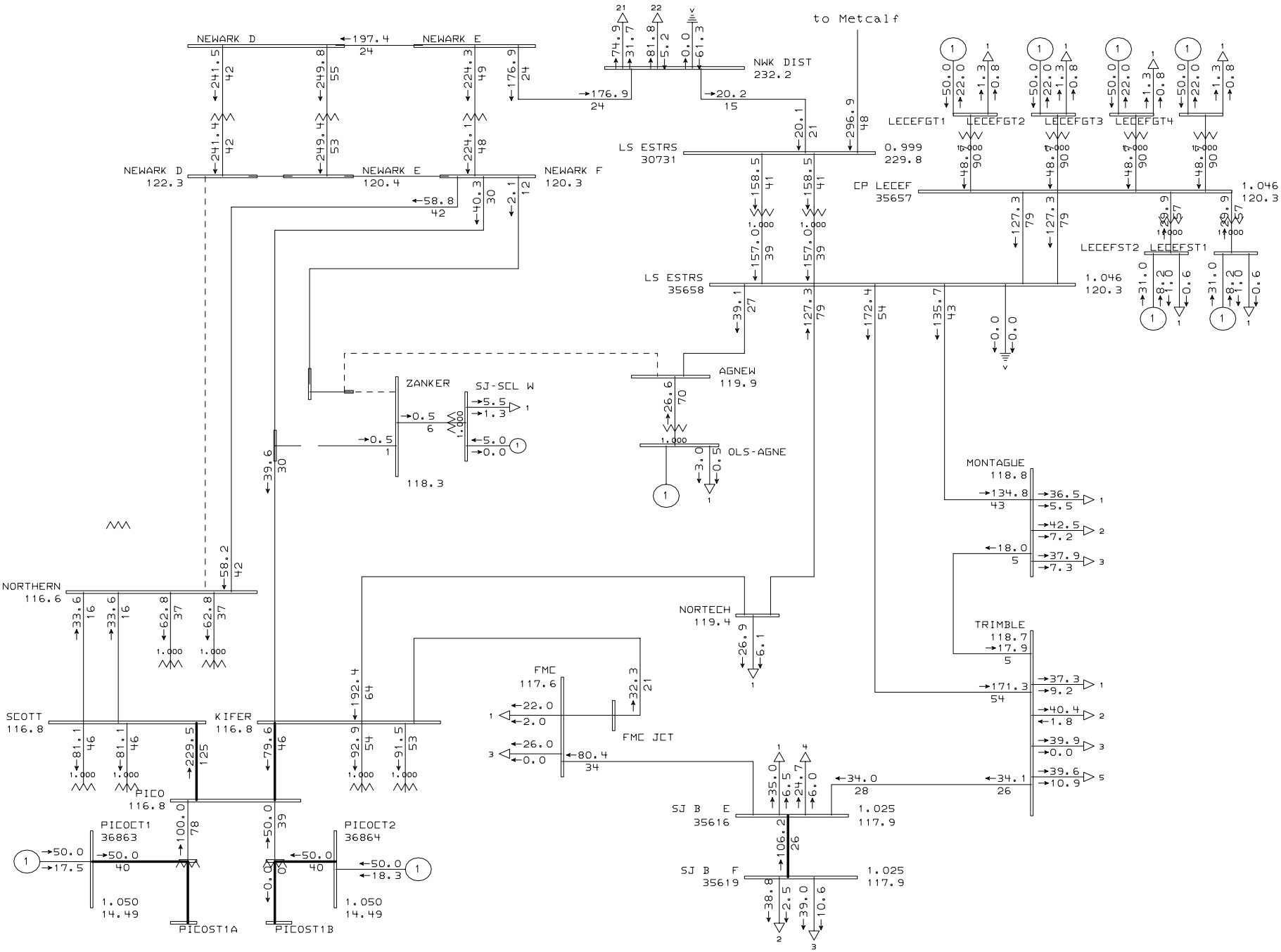
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LECEFGT3
LECEFGT4
LS ESTRS
30731
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35657
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120.3
LECEFST2
LECEFST1
LS ESTRS
35658
1.046
120.3
ZANKER
SJ-SCL W
AGNEW
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OLS-AGNE
118.3
MONTAGUE
118.8
TRIMBLE
118.7
NORTHERN
116.6
NORTECH
119.4
FMC
117.6
FMC JCT
SCOTT
116.8
KIFER
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PICO
116.8
PICOCT1
36863
PICOCT2
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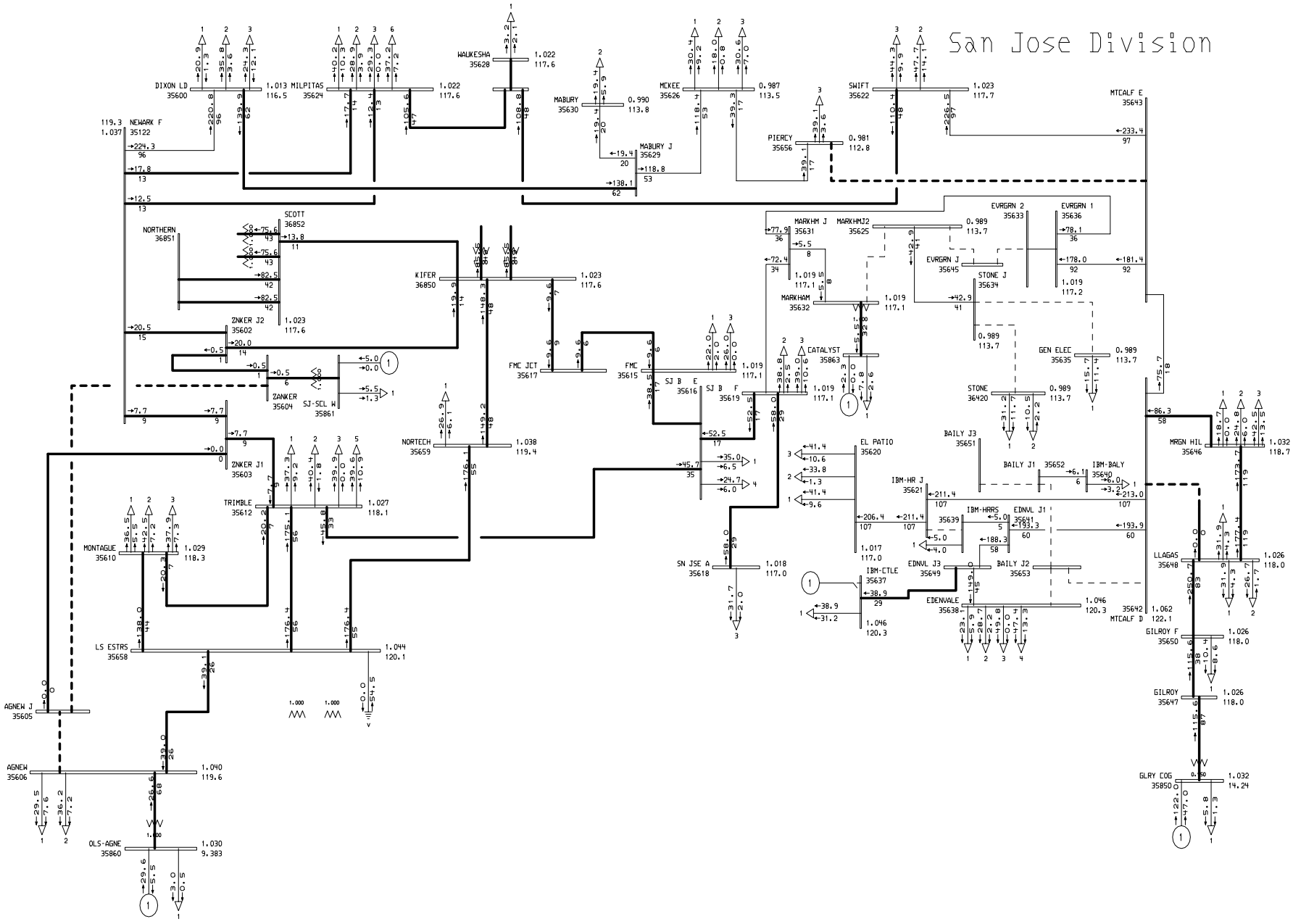
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MCKEE 35626
PIERCY 35656
SWIFT 35622
MTCALF E 35643
NEWARK F 35122
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SCOTT 36852
ZNKER J2 35602
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SJ-SCL W 35861
ZNKER J1 35603
TRIMBLE 35612
MONTAGUE 35610
LS ESTRS 35658
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KIFER 36850
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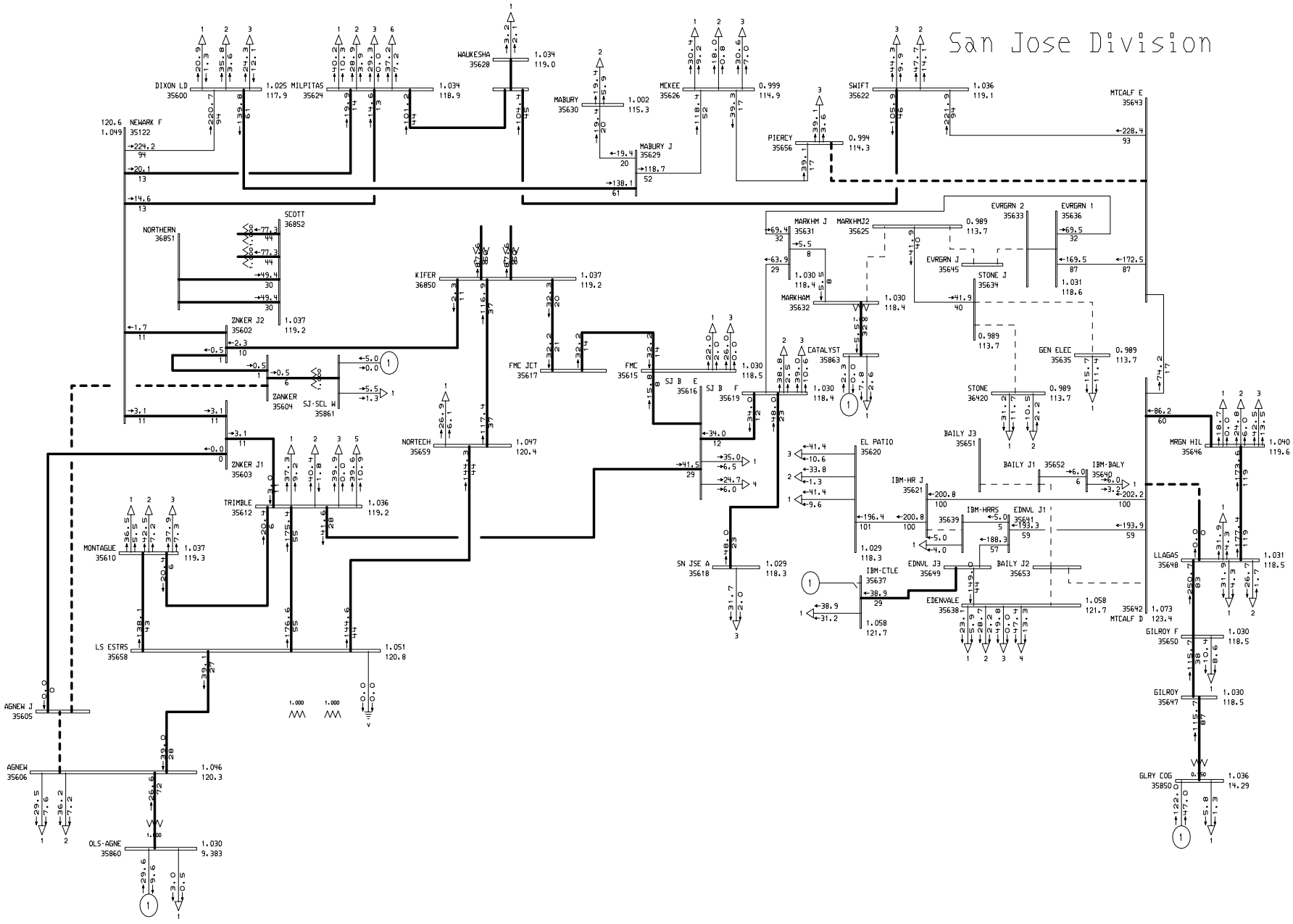
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EVRGRN 1 35636
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OLS-AGNE 35860
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BAILY J1 35652
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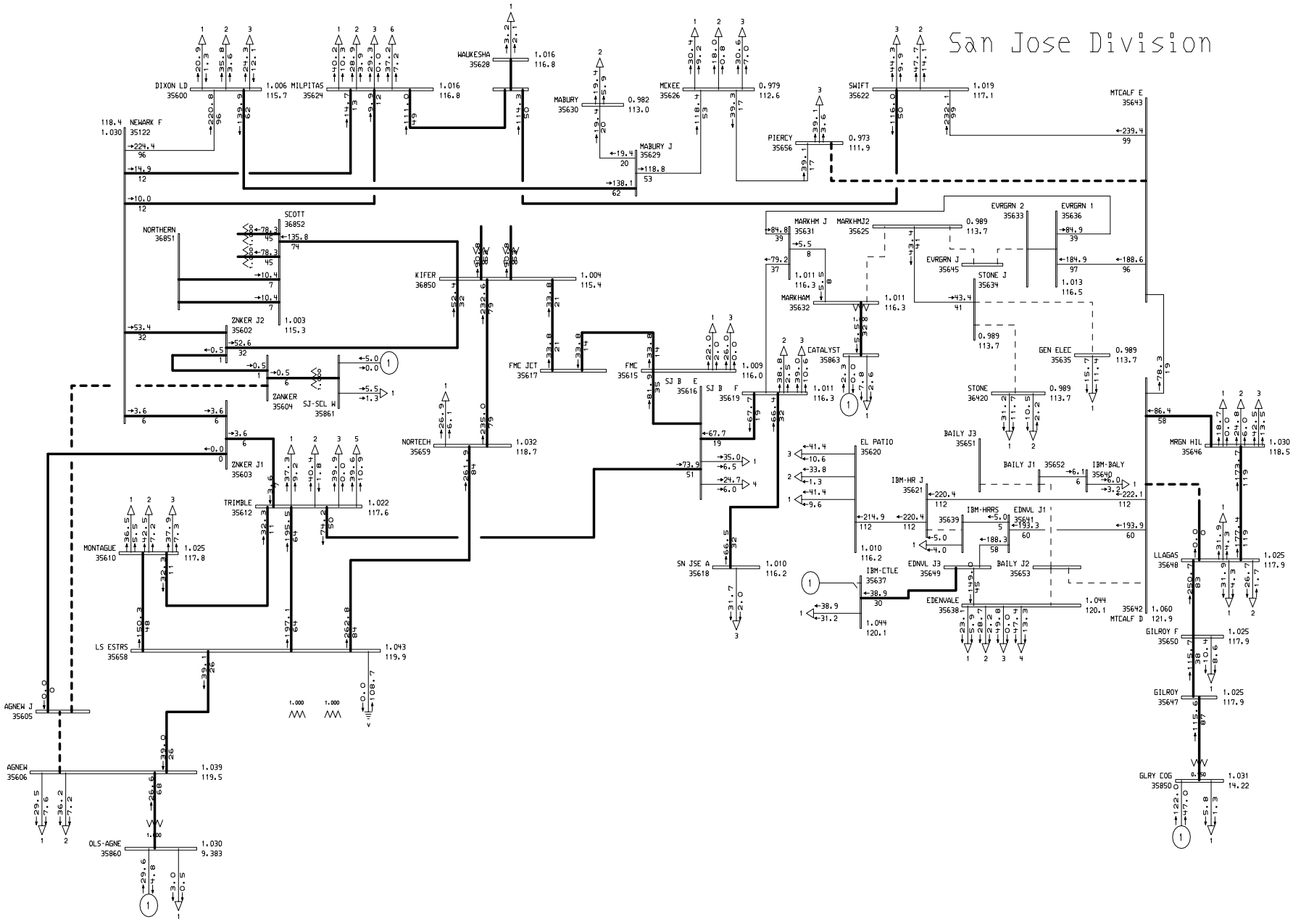

General Electric International, Inc. PSLF Program MW/Pct Mon Sep 16 12:39:55 2002

PG&E 2002 TRANSMISSION ASSESSMENT STUDY: 2004 SUMMER PEAK AREA 7/8 FL CASE
PATH15=1441MW (S-N) PATH26=2960MW (N-S) PDCI=3132MW (N-S) COI=3751NW (N-S)
PICO POWER PLANT (150 MW) - 2004 SUMMER PEAK PRE-PROJECT CASE

Los Esteros - Northern 230 kV line NOT modeled (hs04_pico_preB.sav)
Metcalf D&E1 115 kV Bus Fault

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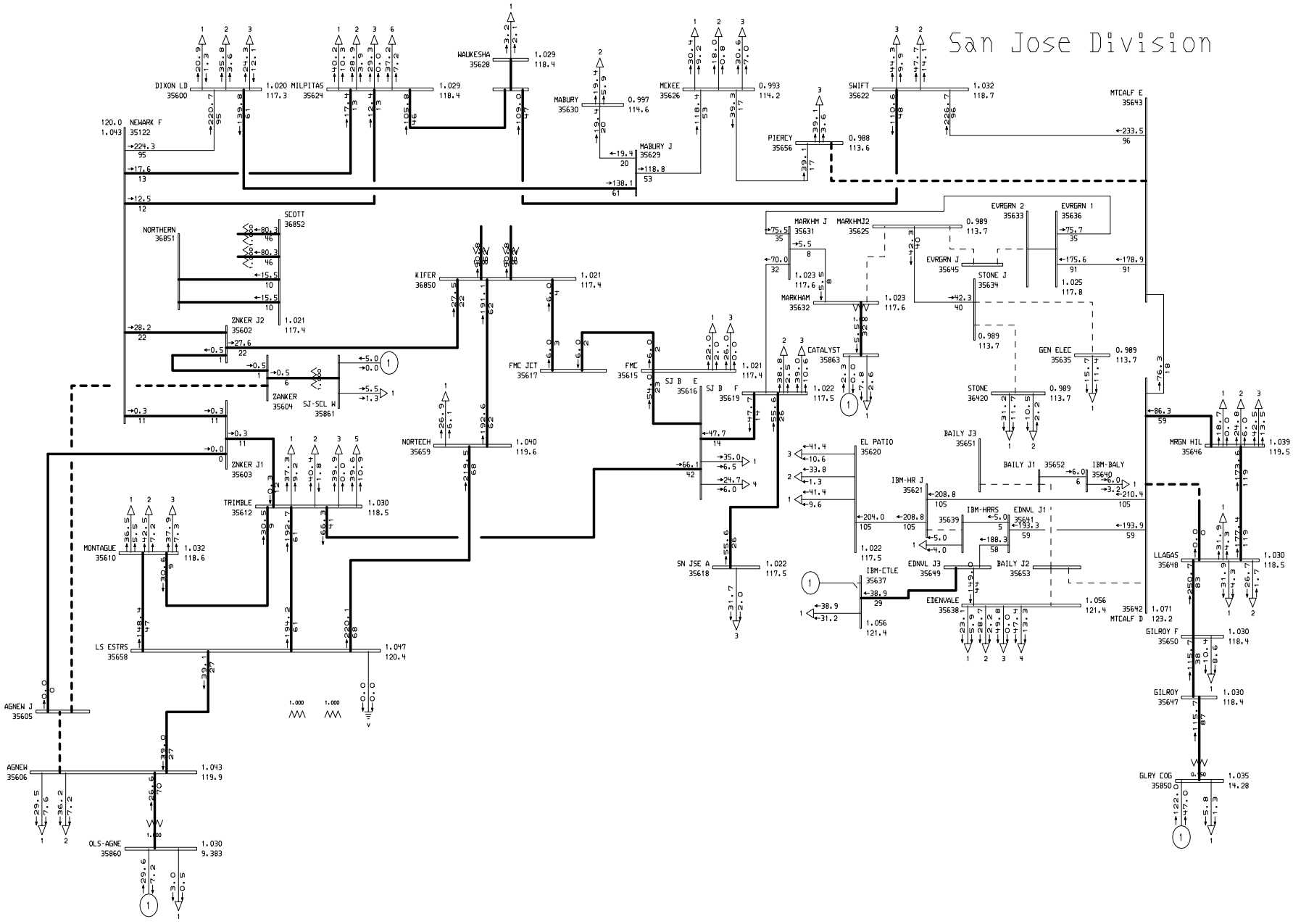
hs04_pico_preB_tap.sav
Rating = 2

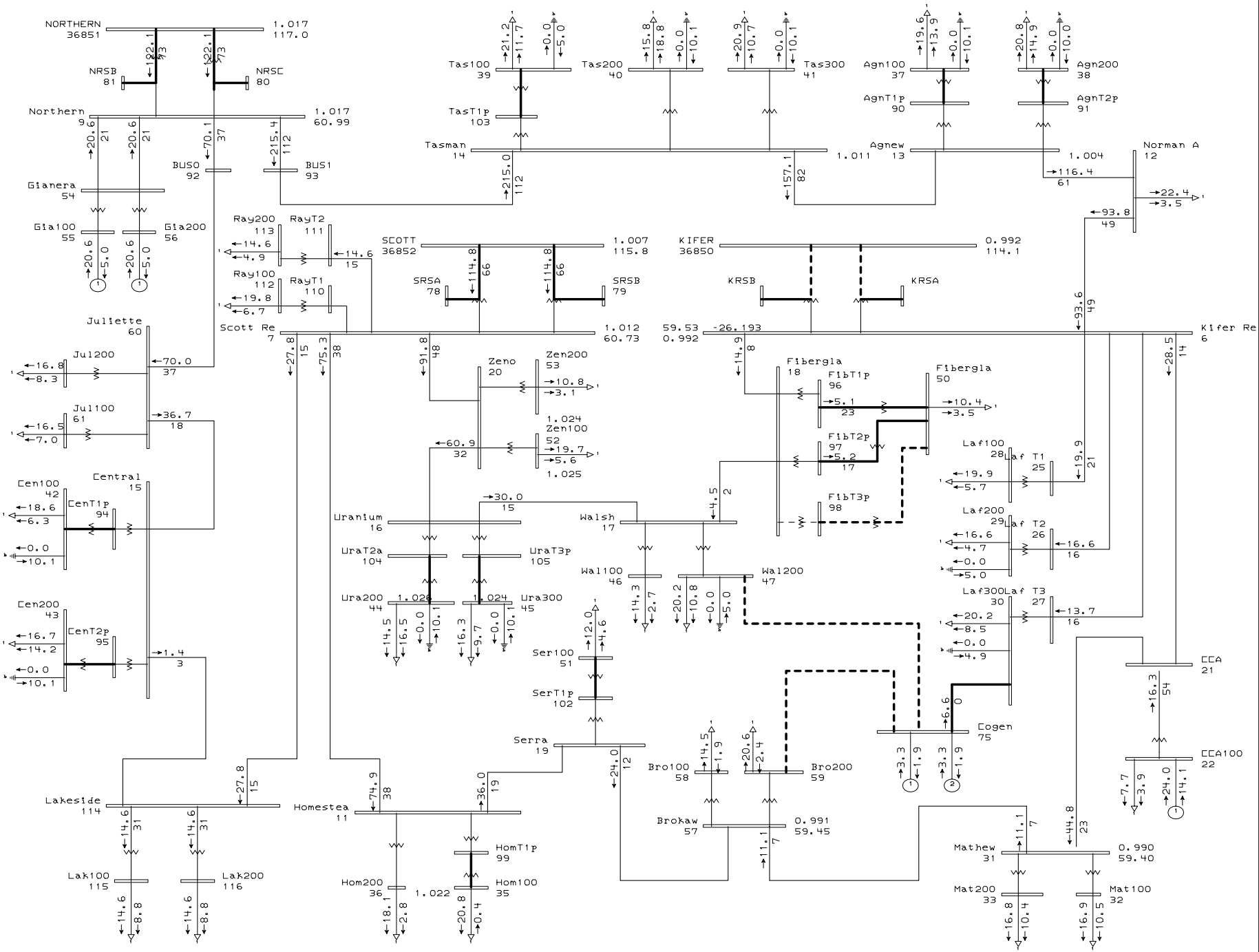


General Electric International, Inc. PSLF Program MW/Pct Mon Sep 16 12:40:02 2002

PG&E 2002 TRANSMISSION ASSESSMENT STUDY: 2004 SUMMER PEAK AREA 7/8 FL CASE
PATH15=1441MW (S-N) PATH26=2960MW (N-S) PDCI=3132MW (N-S) COI=3751NW (N-S)
PICO POWER PLANT (150 MW) - 2004 SUMMER PEAK POST-PROJECT CASE

Los Esteros - Northern 230 kV line NOT modeled (hs04_pico_pstB.sav)
Metcalf D&E1 115 kV Bus Fault

sj_115.drw
hs04_pico_pstB_tap.sav
Rating = 2



General Electric International, Inc. PSLF Program MW/Pct Mon Sep 16 12:13:16 2002

PG&E 2002 TRANSMISSION ASSESSMENT STUDY: 2004 SUMMER PEAK AREA 7/8 FL CASE
PATH15=1441MW (S-N) PATH26=2960MW (N-S) PDCI=3132MW (N-S) COI=3751NW (N-S)
PICO POWER PLANT (150 MW) - 2004 SUMMER PEAK PRE-PROJECT CASE

Los Esteros - Northern 230 kV line modeled (hs04_pico_preA.sav)
Kifer 115 kV Bus Fault

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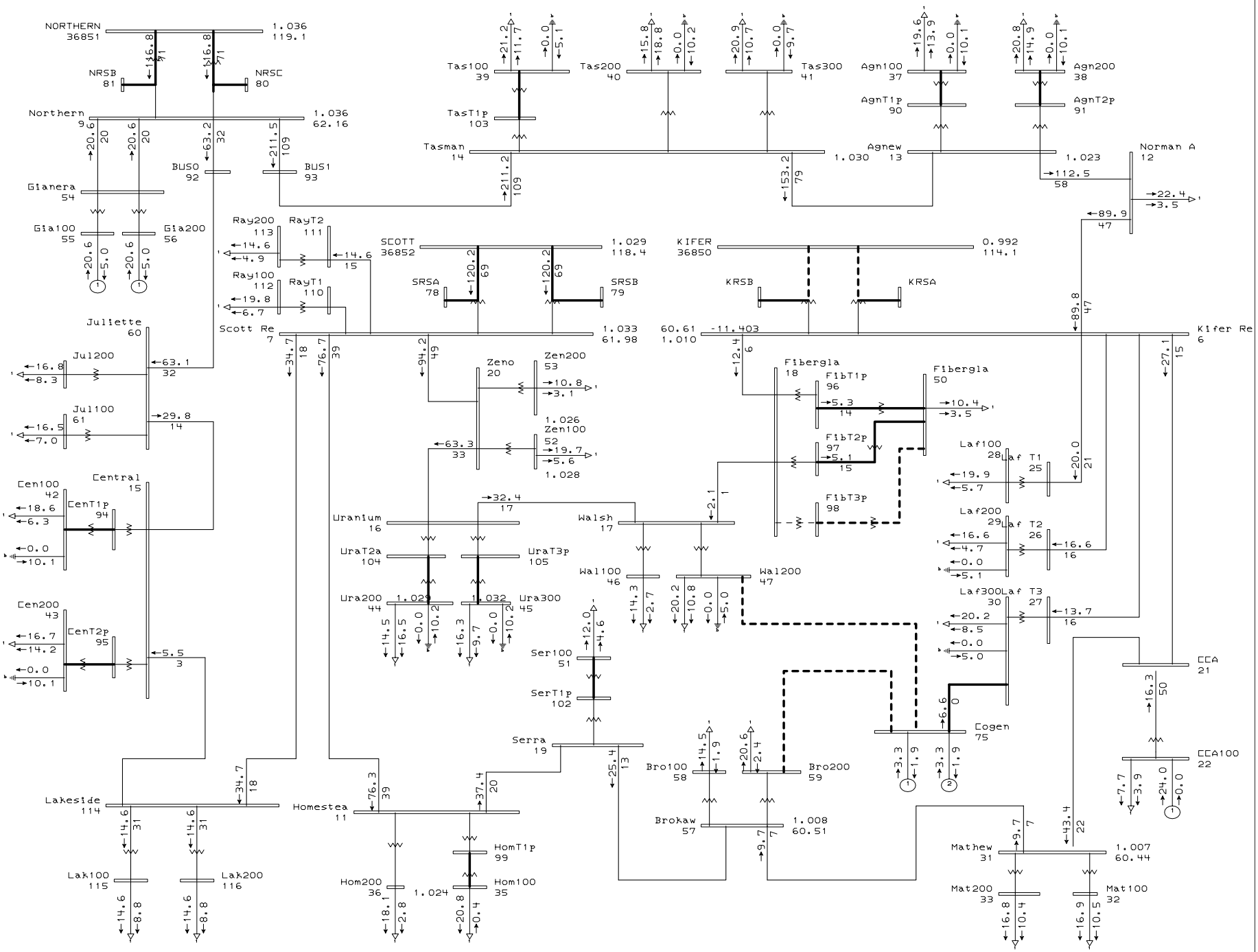

General Electric International, Inc. PSLF Program MW/Pct Mon Sep 16 12:14:16 2002

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PICO POWER PLANT (150 MW) - 2004 SUMMER PEAK POST-PROJECT CASE

Los Esteros - Northern 230 kV line modeled (hs04_pico_pstA.sav)
Kifer 115 kV Bus Fault

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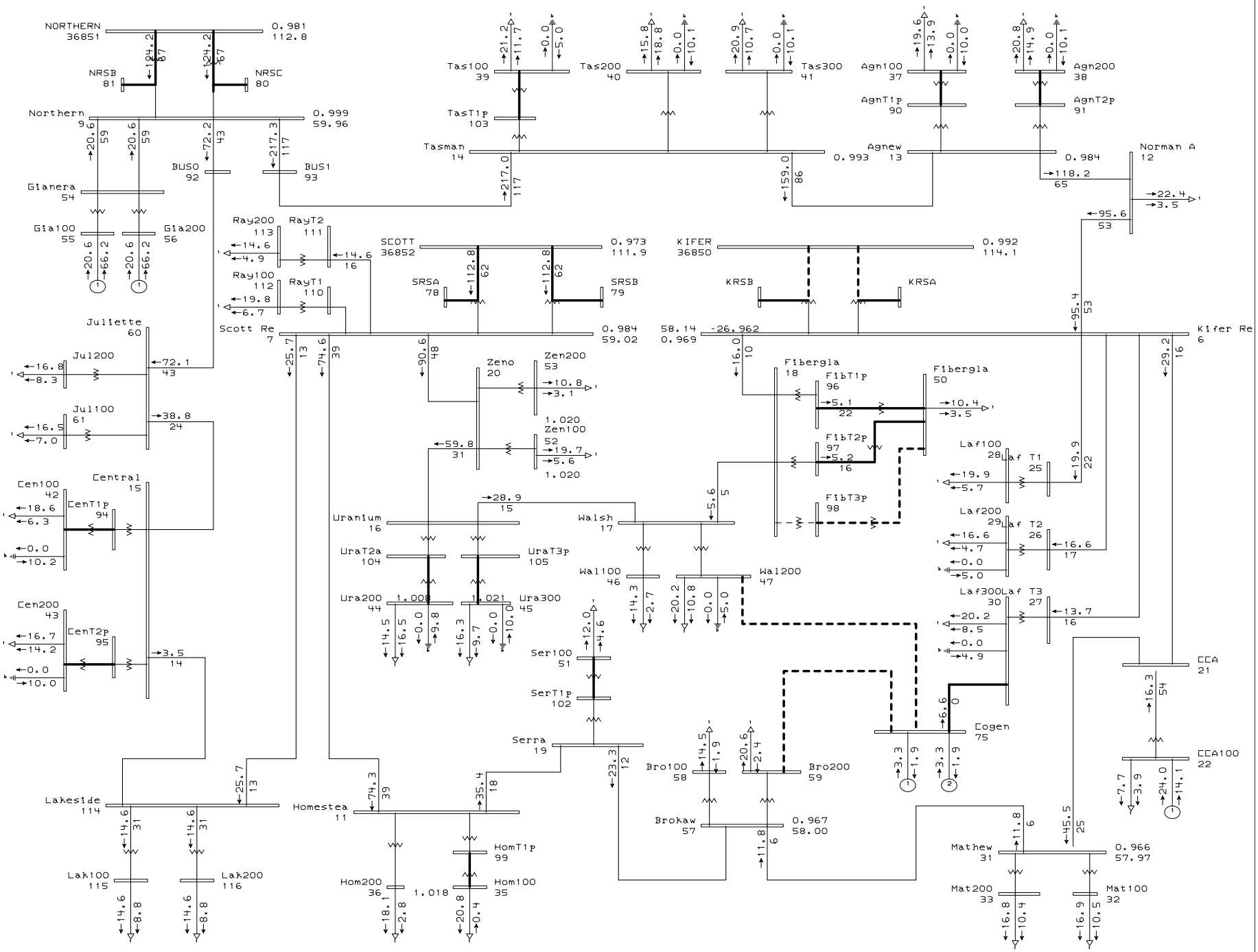

General Electric International, Inc. PSLF Program MW/Pct Mon Sep 16 12:29:00 2002

PG&E 2002 TRANSMISSION ASSESSMENT STUDY: 2004 SUMMER PEAK AREA 7/8 FL CASE
PATH15=1441MW (S-N) PATH26=2960MW (N-S) PDCI=3132MW (N-S) COI=3751NW (N-S)
PICO POWER PLANT (150 MW) - 2004 SUMMER PEAK PRE-PROJECT CASE

Los Esteros - Northern 230 kV line NOT modeled (hs04_pico_preB.sav)
Kifer 115 kV Bus Fault

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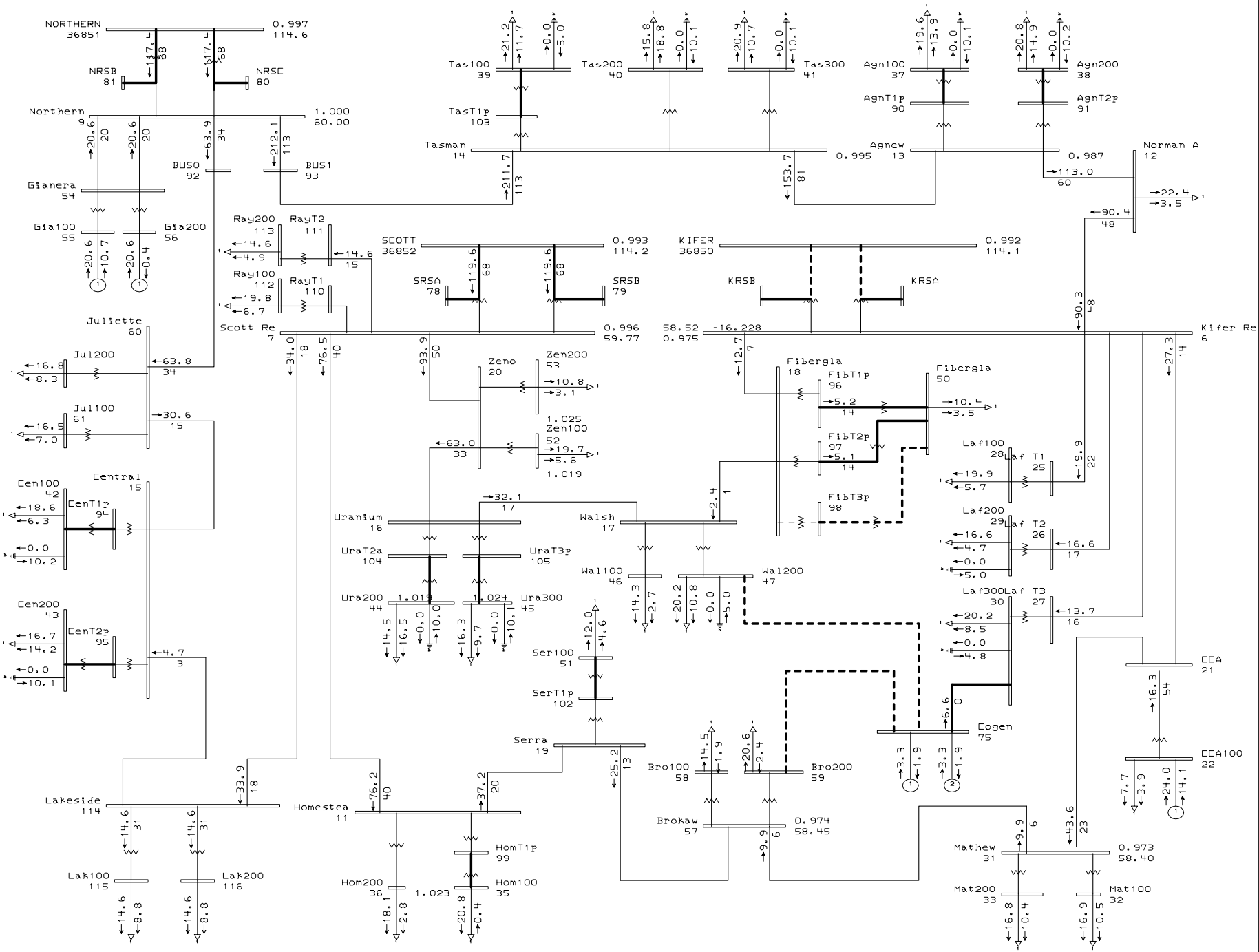

General Electric International, Inc. PSLF Program MW/Pct Mon Sep 16 12:30:00 2002

PG&E 2002 TRANSMISSION ASSESSMENT STUDY: 2004 SUMMER PEAK AREA 7/8 FL CASE
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PICO POWER PLANT (150 MW) - 2004 SUMMER PEAK POST-PROJECT CASE

Los Esteros - Northern 230 kV line NOT modeled (hs04_pico_pstB.sav)
Kifer 115 kV Bus Fault

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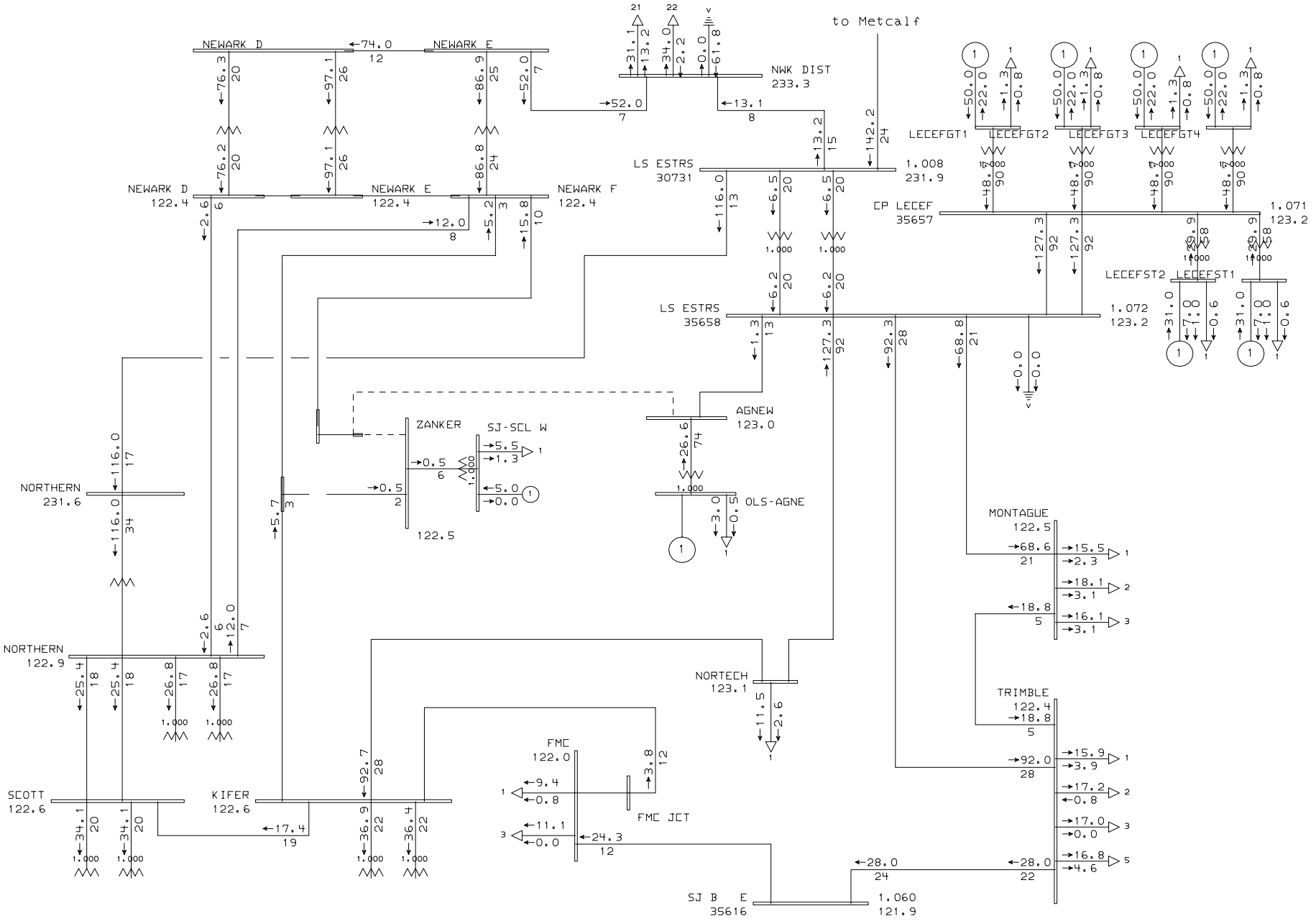
Appendix III

Table 3 Outage Plots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NEWARK E
NEWARK F
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NEWARK E
122.4
NEWARK F
122.4
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233.3
to Metcalf
LS ESTRS
30731
1.008
231.9
LECEFGT1
LECEFGT2
LECEFGT3
LECEFGT4
CP LECEF
35657
1.071
123.2
LECEFST2
LECEFST1
LS ESTRS
35658
1.072
123.2
AGNEW
123.0
ZANKER
122.5
SJ-SCL W
OLS-AGNE
NORTHERN
231.6
NORTHERN
122.9
SCOTT
122.6
KIFER
122.6
NORTECH
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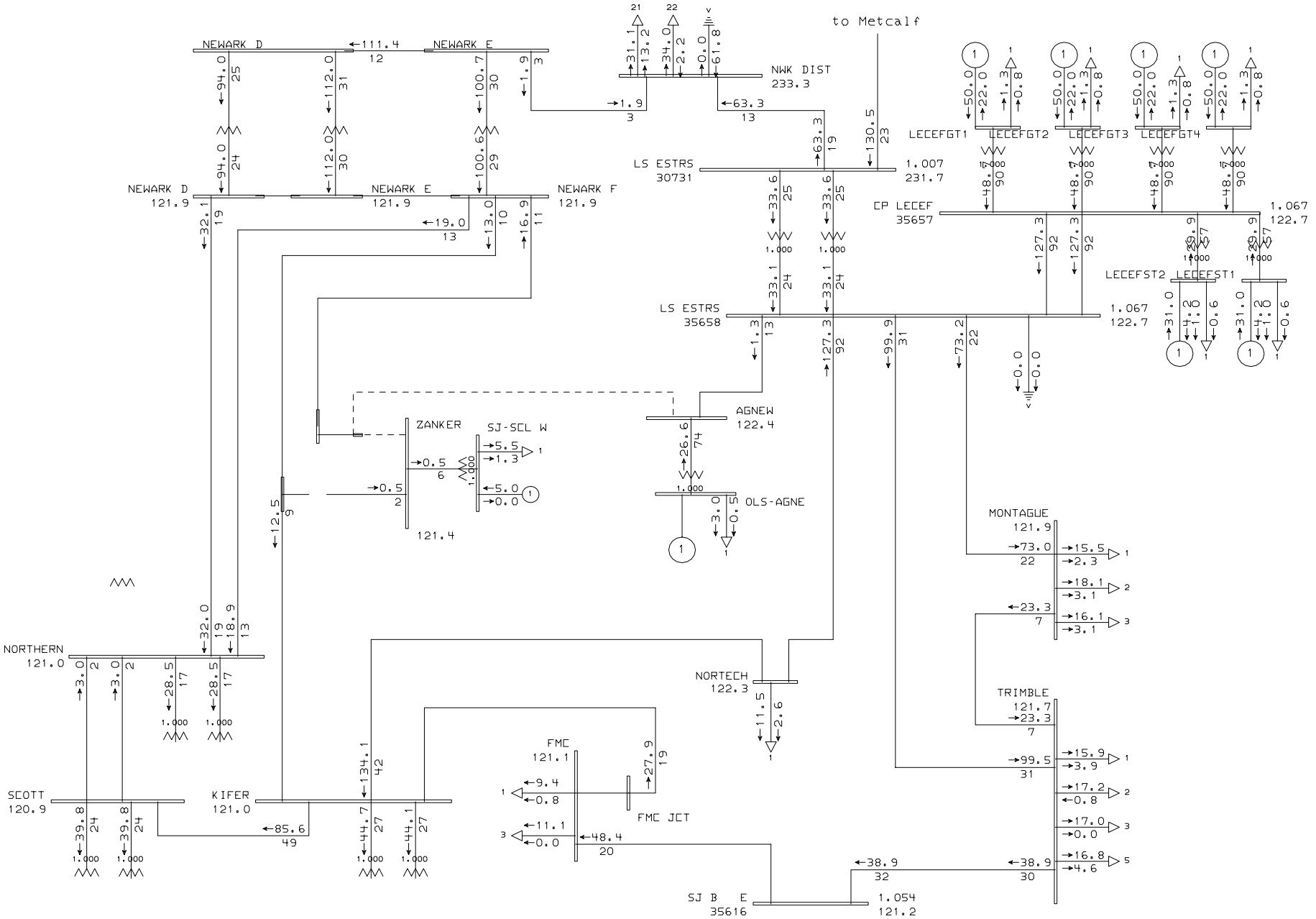
to Metcalf
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1.067
122.7
LECEFGT1
LECEFGT2
LECEFGT3
LECEFGT4
LECEFST1
LECEFST2
LS ESTRS
35658
1.067
122.7
AGNEW
122.4
ZANKER
SJ-SCL W
OLS-AGNE
121.4
MONTAGUE
121.9
TRIMBLE
121.7
NORTHERN
121.0
NORTECH
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KIFER
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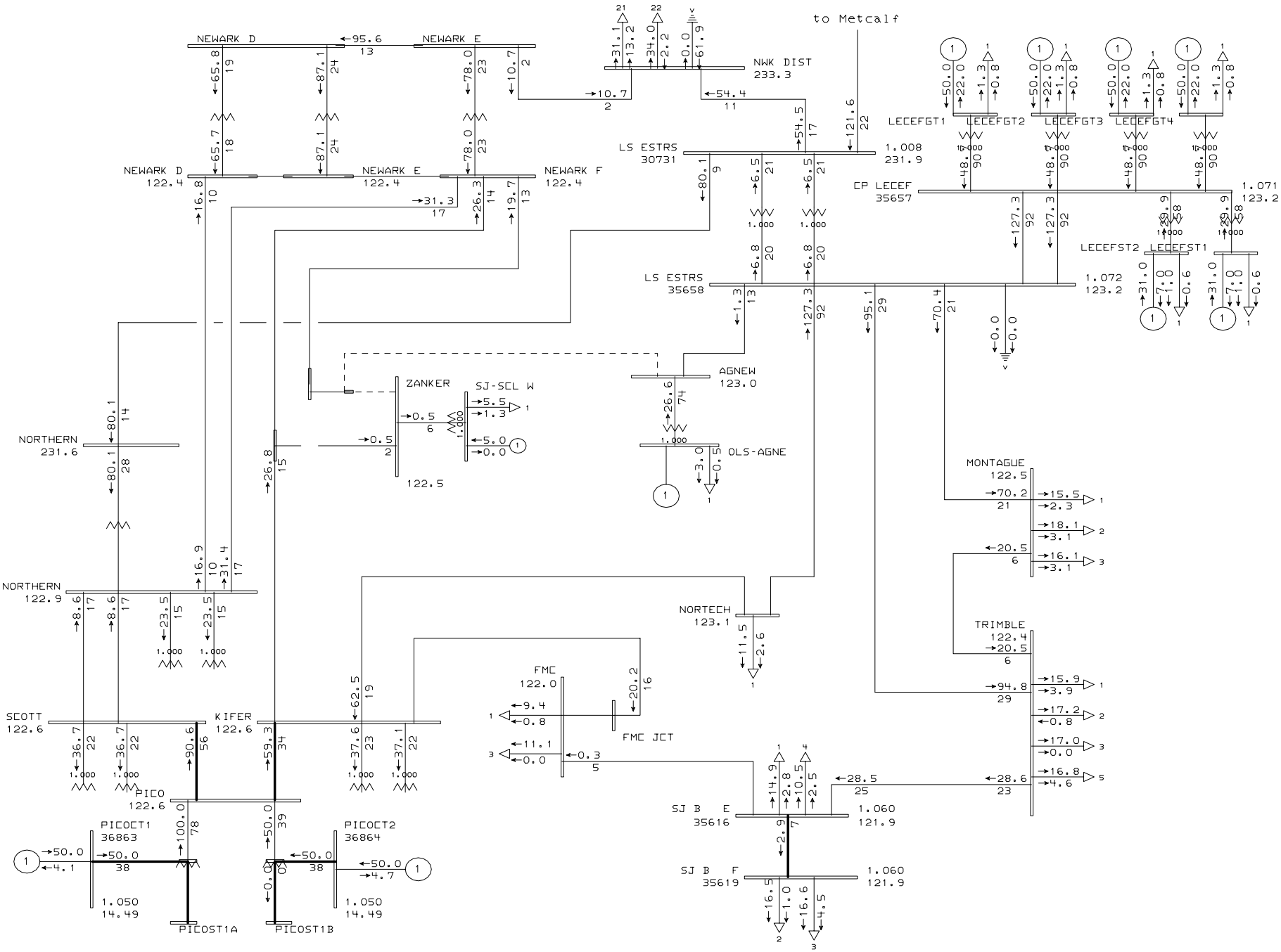
FMC JCT
SJ B E
35616
1.054
121.2



General Electric International, Inc. PSLF Program MW/Pct Mon Sep 16 12:15:17 2002

PG&E 2002 TRANSMISSION ASSESSMENT STUDY: 2004 SUMMER PEAK AREA 7/8 FL CASE
PATH15=1441MW (S-N) PATH26=2960MW (N-S) PDCI=3132MW (N-S) COI=3751NW (N-S)
PICO POWER PLANT (150 MW) - 2004 SUMMER OFF-PEAK POST-PROJECT CASE

Los Esteros - Northern 230 kV line modeled (op04_pico_pstA.sav)
BASE CASE

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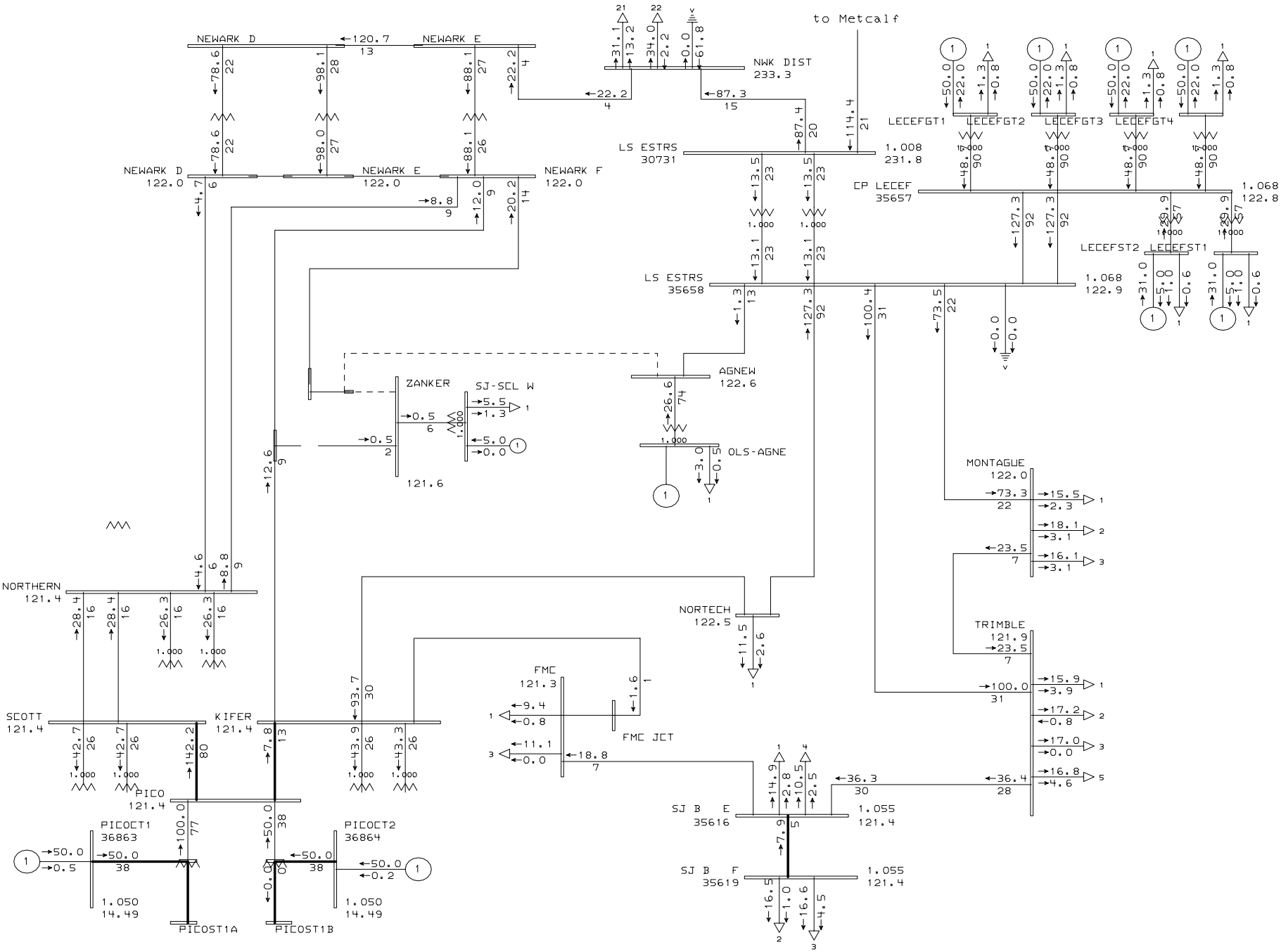
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NEWARK E
NEWARK F
NWK DIST
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to Metcalf
LS ESTRS
30731
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LECEFGT2
LECEFGT3
LECEFGT4
CP LECEF
35657
LECEFST2
LECEFST1
LS ESTRS
35658
ZANKER
SJ-SCL W
AGNEW
122.6
OLS-AGNE
MONTAGUE
122.0
TRIMBLE
121.9
NORTHERN
121.4
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122.5
FMC
121.3
FMC JCT
SCOTT
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KIFER
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PICO
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36863
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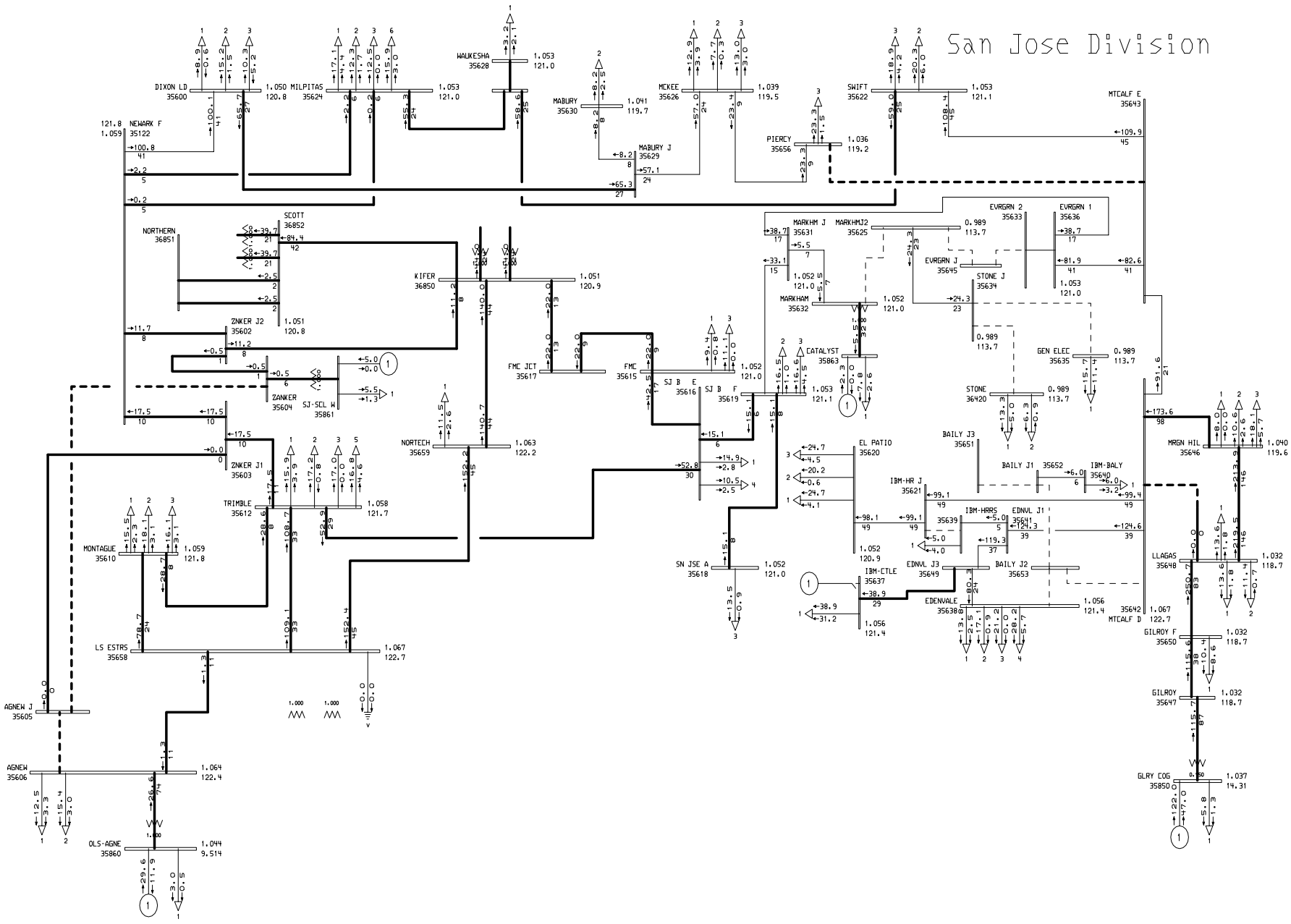
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NORTECH 35659
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TRIMBLE 35612
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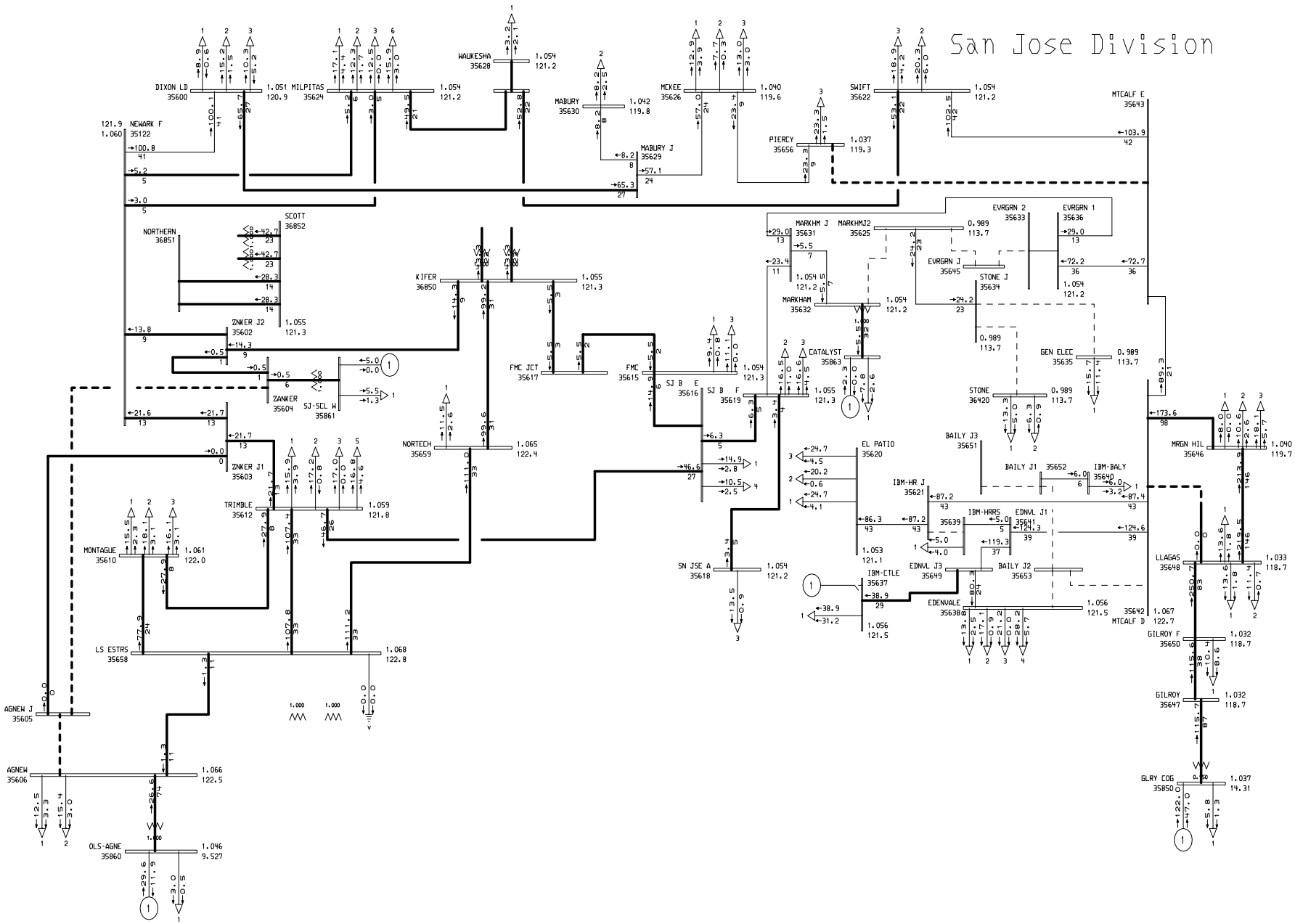

General Electric International, Inc. PSLF Program MW/Pct Mon Sep 16 12:15:38 2002

PG&E 2002 TRANSMISSION ASSESSMENT STUDY: 2004 SUMMER PEAK AREA 7/8 FL CASE
PATH15=1441MW (S-N) PATH26=2960MW (N-S) PDCI=3132MW (N-S) COI=3751NW (N-S)
PICO POWER PLANT (150 MW) - 2004 SUMMER OFF-PEAK POST-PROJECT CASE

Los Esteros - Northern 230 kV line NOT modeled (op04_pico_pstB.sav)
Metcalf D&E1 115 kV Bus Fault

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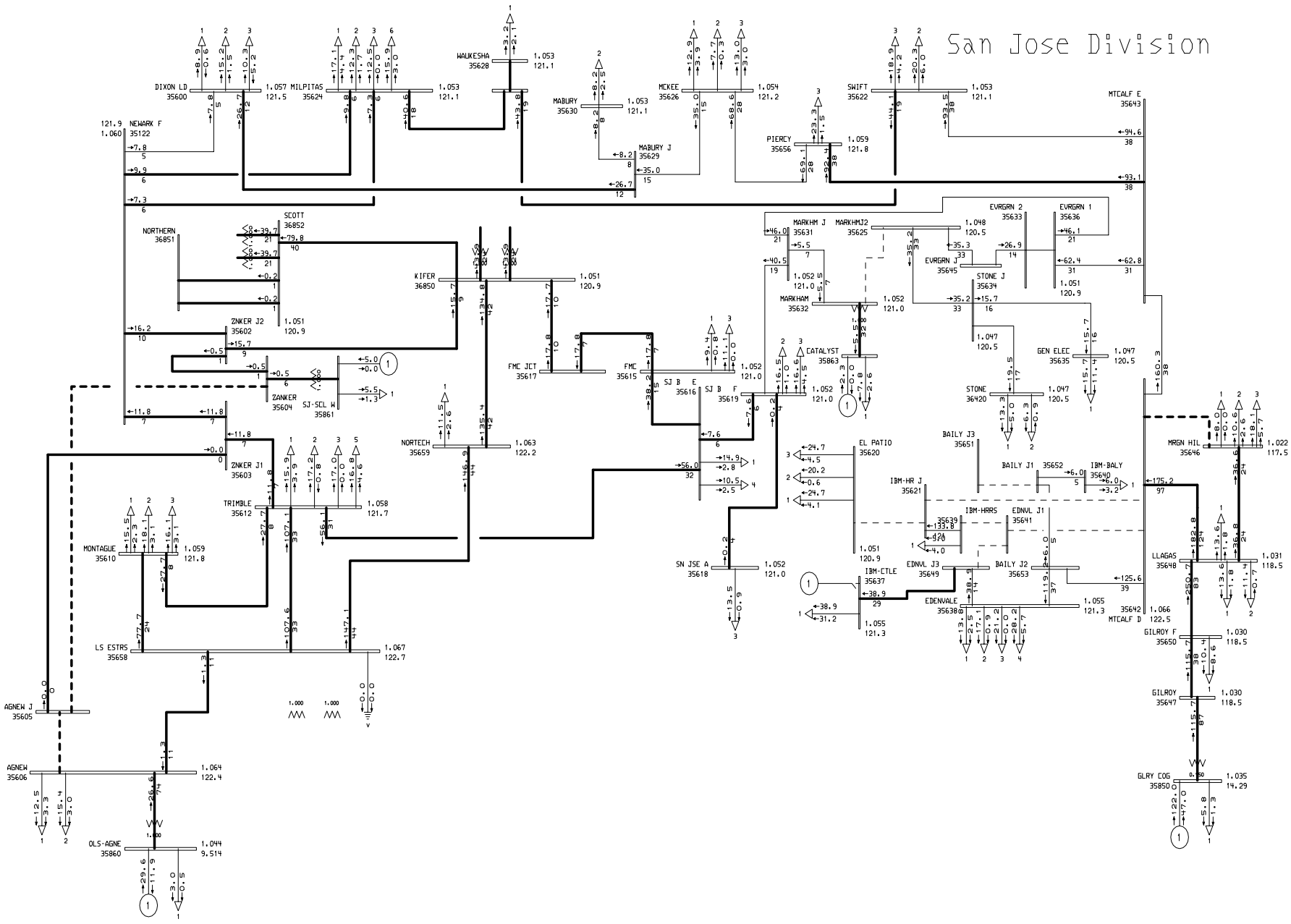
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PIERCY 35656
MTCALF E 35643
NEWARK F 35122
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BAILY J1 35652
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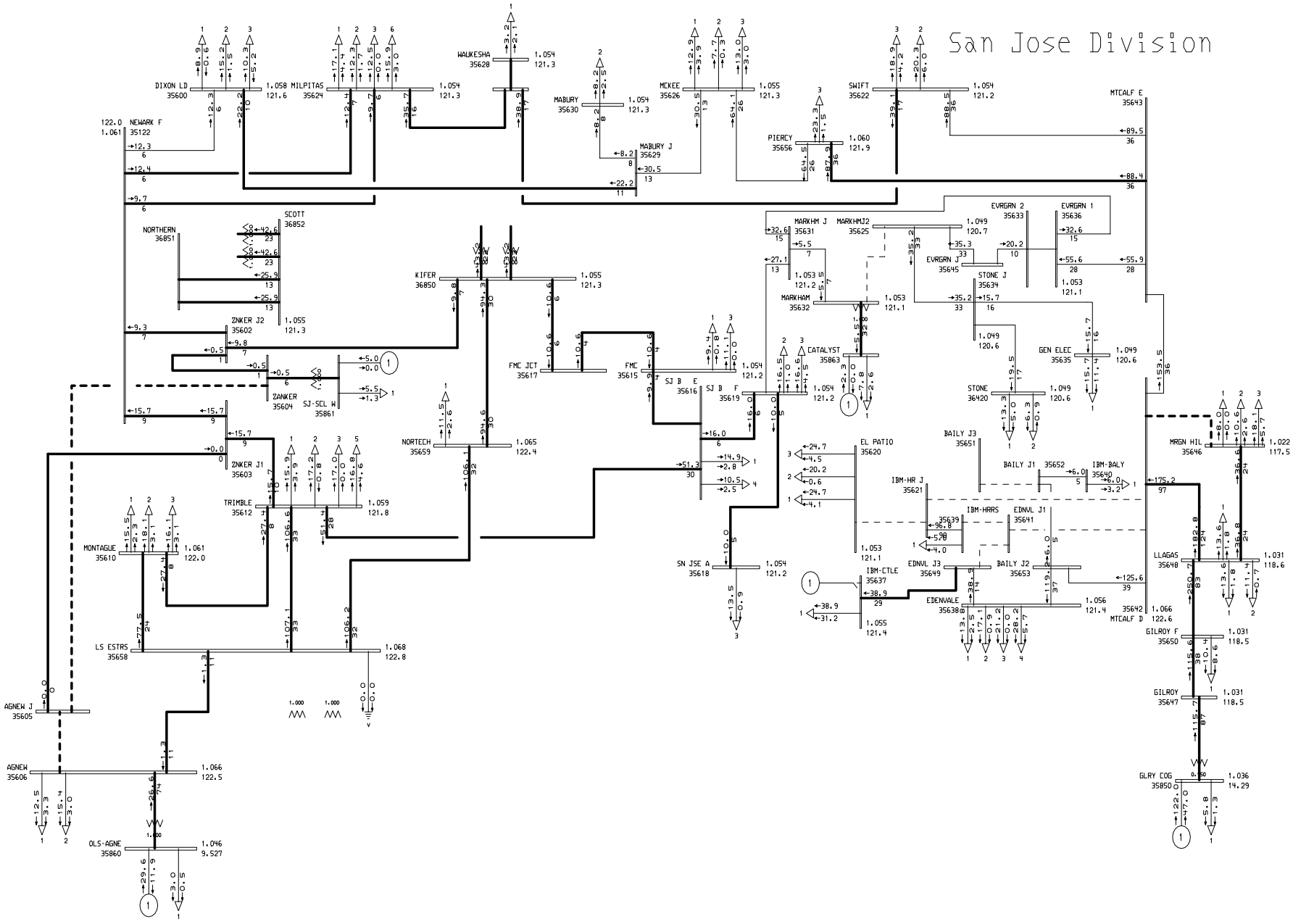
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