

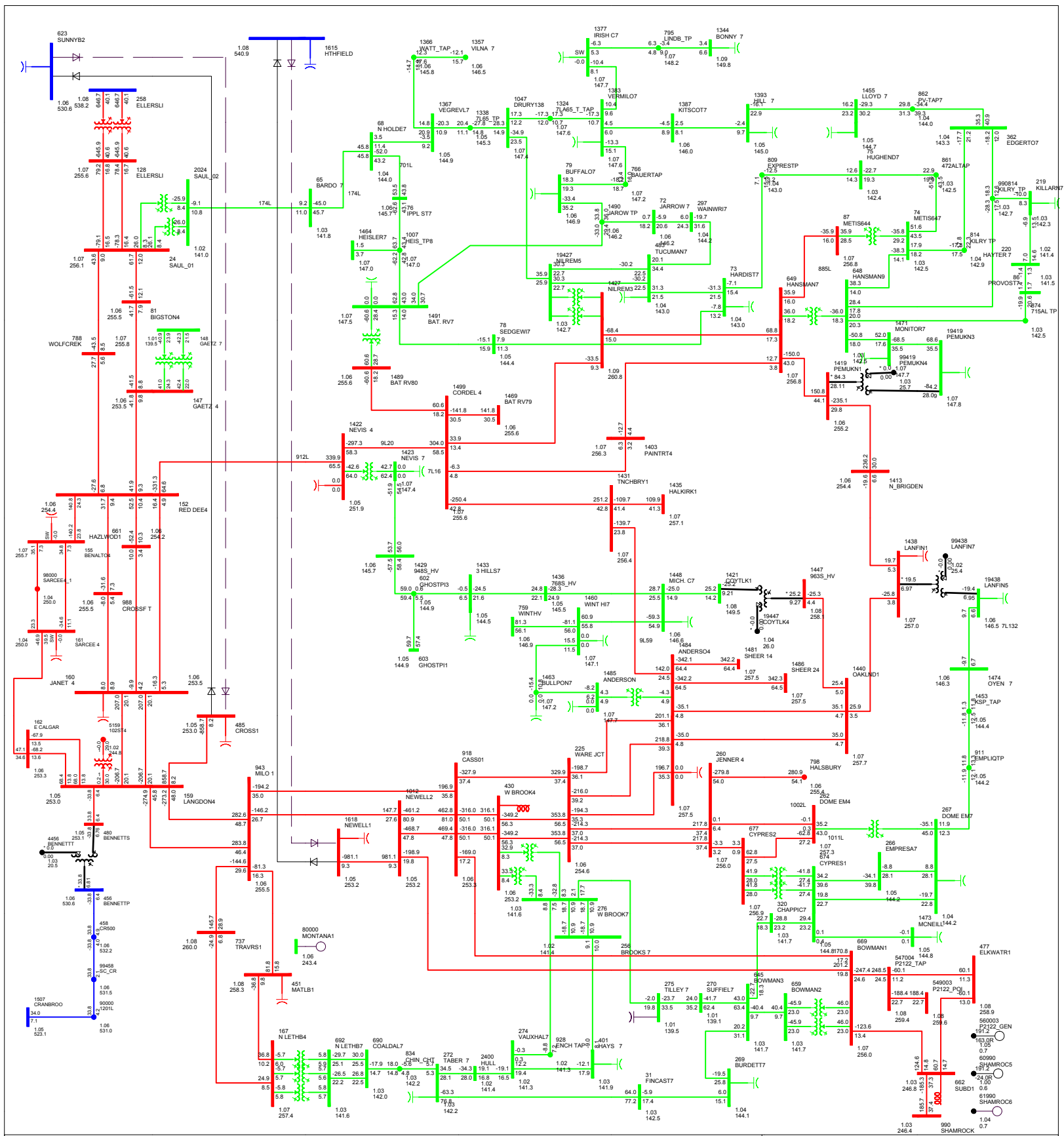
Attachment A: Power Flow SLDs – Pre- Development 2023

Attachment A Summary

No.	Capability Category	Scenario	Option	Case	Type	Contingency	Figure Number
1	B	1	Pre Development	M4	Maximize	Base	Fig. A-1
2	B	1	Pre Development	M4	Maximize	EATL	Fig. A-2
3	B	1	Pre Development	M4	Maximize	1088L	Fig. A-3
4	B	1	Pre Development	M4	Maximize	1035L	Fig. A-4
5	B	1	Pre Development	M5	Maximize	Base	Fig. A-5
6	B	1	Pre Development	M5	Maximize	766S901T	Fig. A-6
7	B	1	Pre Development	M5	Maximize	EATL	Fig. A-7
8	B	1	Pre Development	M5	Maximize	935L	Fig. A-8
9	B	1	Pre Development	M5	Maximize	912L	Fig. A-9
10	B	1	Pre Development	M5	Maximize	1035L	Fig. A-10
11	B	1	Pre Development	M4	Equalize	Base	Fig. A-11
12	B	1	Pre Development	M4	Equalize	EATL	Fig. A-12
13	B	1	Pre Development	M4	Equalize	1035L	Fig. A-13
14	B	1	Pre Development	M5	Equalize	Base	Fig. A-14
15	B	1	Pre Development	M5	Equalize	EATL	Fig. A-15
16	B	1	Pre Development	M5	Equalize	1035L	Fig. A-16
17	B	1	Pre Development	M4	CE	Base	Fig. A-17
18	B	1	Pre Development	M4	CE	EATL	Fig. A-18
19	B	1	Pre Development	M4	CE	9L24	Fig. A-19
20	B	1	Pre Development	M5	CE	Base	Fig. A-20
21	B	1	Pre Development	M5	CE	EATL	Fig. A-21
22	B	1	Pre Development	M3	CE	Base	Fig. A-22
23	B	1	Pre Development	M3	CE	9L24	Fig. A-23
24	B	1	Pre Development	M1	CE	Base	Fig. A-24
25	B	1	Pre Development	M1	CE	9L24	Fig. A-25
26	B	1	Pre Development	M4	SE	Base	Fig. A-26
27	B	1	Pre Development	M4	SE	EATL	Fig. A-27
28	B	1	Pre Development	M4	SE	1035L	Fig. A-28
29	B	1	Pre Development	M5	SE	Base	Fig. A-29
30	B	1	Pre Development	M5	SE	EATL	Fig. A-30
31	B	1	Pre Development	M5	SE	923L	Fig. A-31
32	B	1	Pre Development	M5	SE	935L	Fig. A-32
33	B	1	Pre Development	M5	SE	1035L	Fig. A-33
34	B	2	Pre Development	H2	Maximize	Base	Fig. A-34
35	B	2	Pre Development	H2	Maximize	EATL	Fig. A-35
36	B	2	Pre Development	H2	Equalize	Base	Fig. A-36
37	B	2	Pre Development	H2	Equalize	EATL	Fig. A-37
38	B	2	Pre Development	H2	CE	Base	Fig. A-38
39	B	2	Pre Development	H2	CE	EATL	Fig. A-39
40	B	2	Pre Development	H2	SE	Base	Fig. A-40
41	B	2	Pre Development	H2	SE	EATL	Fig. A-41
42	A	1	Pre Development	M5	Maximize	Base	Fig. A-42
43.01	A	1	Pre Development	M5	Maximize	912L	Fig. A-43.01

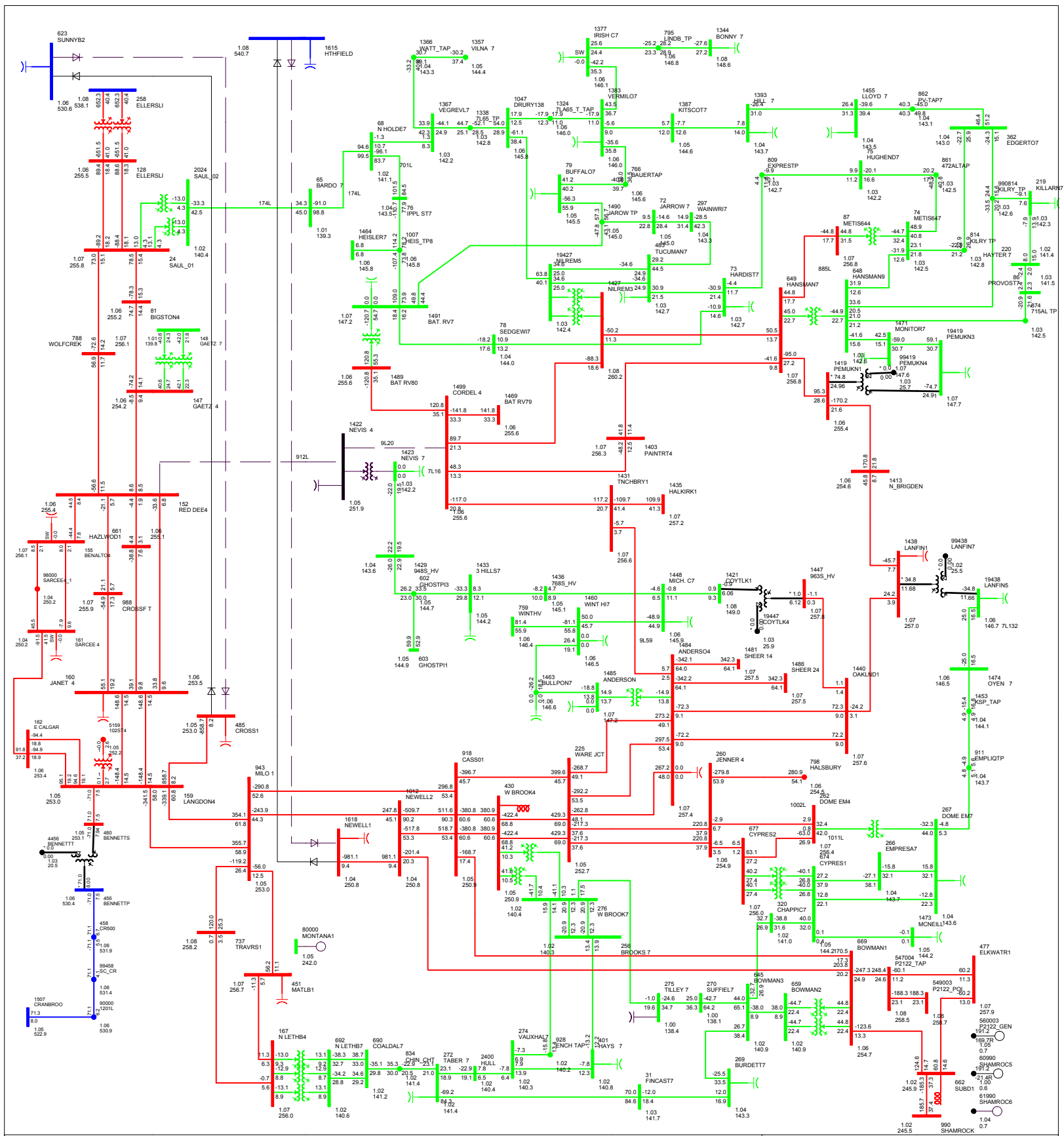
No.	Capability Category	Scenario	Option	Case	Type	Contingency	Figure Number
43.02	A	1	Pre Development	M5	Maximize	912L	Fig. A-43.02
44.01	A	1	Pre Development	M5	Maximize	EATL	Fig. A-44.01
44.02	A	1	Pre Development	M5	Maximize	EATL	Fig. A-44.02
45	A	1	Pre Development	M4	Equalize	Base	Fig. A-45
46.01	A	1	Pre Development	M4	Equalize	EATL	Fig. A-46.01
46.02	A	1	Pre Development	M4	Equalize	EATL	Fig. A-46.02
47	A	1	Pre Development	M5	Equalize	Base	Fig. A-47
48.01	A	1	Pre Development	M5	Equalize	766S901T	Fig. A-48.01
48.02	A	1	Pre Development	M5	Equalize	766S901T	Fig. A-48.02
49	A	1	Pre Development	M5	CE	Base	Fig. A-49
50.01	A	1	Pre Development	M5	CE	912L	Fig. A-50.01
50.02	A	1	Pre Development	M5	CE	912L	Fig. A-50.02
51.01	A	1	Pre Development	M5	CE	766S901T	Fig. A-51.01
51.02	A	1	Pre Development	M5	CE	766S901T	Fig. A-51.02
52.01	A	1	Pre Development	M5	CE	EATL	Fig. A-52.01
52.02	A	1	Pre Development	M5	CE	EATL	Fig. A-52.02
53	A	1	Pre Development	M4	SE	Base	Fig. A-53
54.01	A	1	Pre Development	M4	SE	912L	Fig. A-54.01
54.02	A	1	Pre Development	M4	SE	912L	Fig. A-54.02
55.01	A	1	Pre Development	M4	SE	766S901T	Fig. A-55.01
55.02	A	1	Pre Development	M4	SE	766S901T	Fig. A-55.02
56	A	1	Pre Development	M5	SE	Base	Fig. A-56
57.01	A	1	Pre Development	M5	SE	912L	Fig. A-57.01
57.02	A	1	Pre Development	M5	SE	912L	Fig. A-57.02
58.01	A	1	Pre Development	M5	SE	766S901T	Fig. A-58.01
58.02	A	1	Pre Development	M5	SE	766S901T	Fig. A-58.02
59.01	A	1	Pre Development	M5	SE	RAS-EATL-923L	Fig. A-59.01
59.02	A	1	Pre Development	M5	SE	RAS-EATL-923L	Fig. A-59.02
60	A	2	Pre Development	H2	Maximize	Base	Fig. A-60
61.01	A	2	Pre Development	H2	Maximize	EATL	Fig. A-61.01
61.02	A	2	Pre Development	H2	Maximize	EATL	Fig. A-61.02
62	A	2	Pre Development	H5	Maximize	Base	Fig. A-62
63.01	A	2	Pre Development	H5	Maximize	EATL	Fig. A-63.01
63.02	A	2	Pre Development	H5	Maximize	EATL	Fig. A-63.02
64	A	2	Pre Development	H2	Equalize	Base	Fig. A-64
65.01	A	2	Pre Development	H2	Equalize	EATL	Fig. A-65.01
65.02	A	2	Pre Development	H2	Equalize	EATL	Fig. A-65.02
66	A	2	Pre Development	H2	CE	Base	Fig. A-66
67.01	A	2	Pre Development	H2	CE	EATL	Fig. A-67.01
67.02	A	2	Pre Development	H2	CE	EATL	Fig. A-67.02
68	A	2	Pre Development	H2	SE	Base	Fig. A-68
69.01	A	2	Pre Development	H2	SE	EATL	Fig. A-69.01
69.02	A	2	Pre Development	H2	SE	EATL	Fig. A-69.02

For Category A Single Line Diagrams: The XX.01 extension represent the post contingency conditions and the XX.02 extension represents the post-contingency and post-generation curtailment conditions.



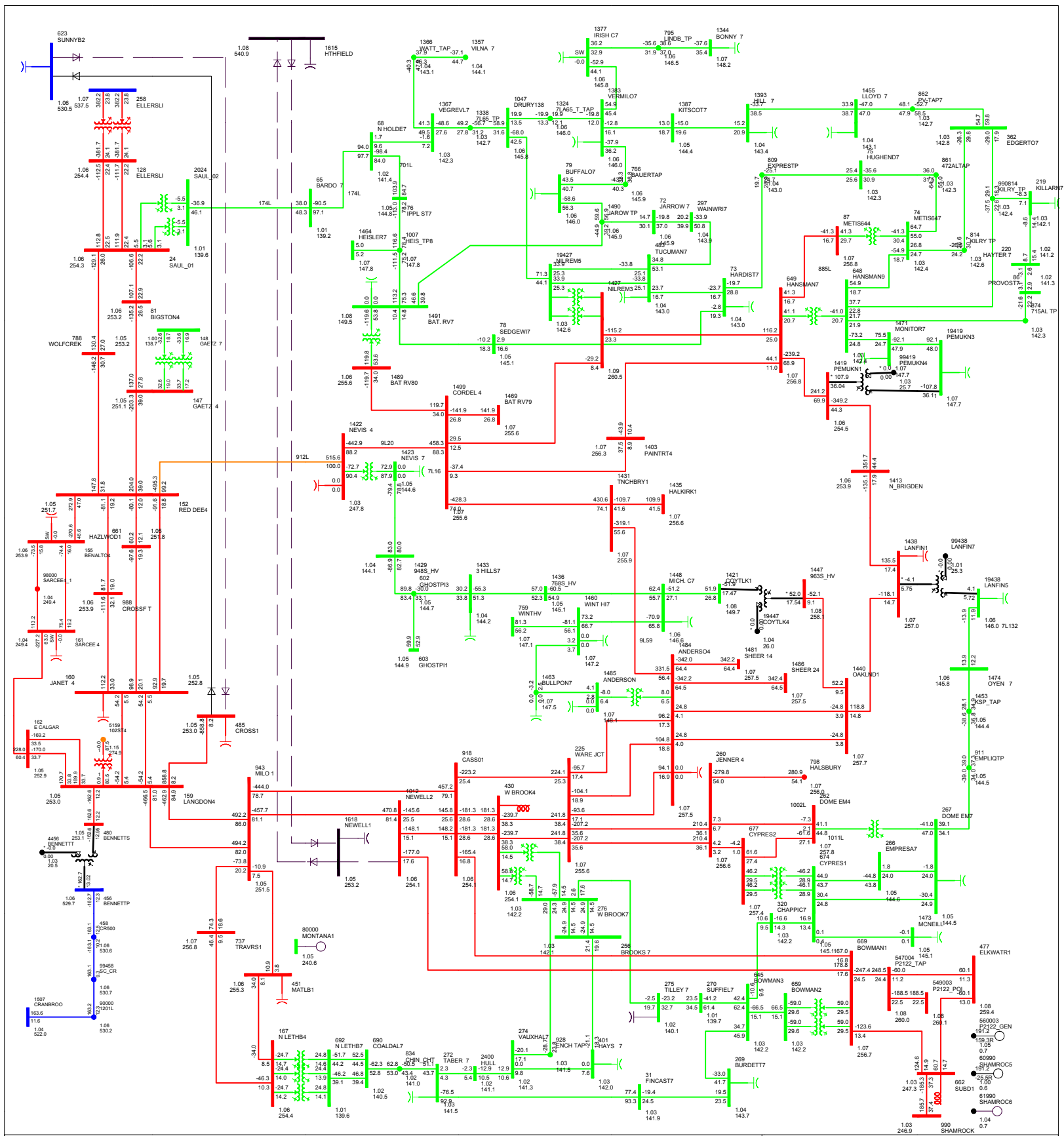
P7001 Central East Transfer Out Transmission Development
 New Generation in Study Area and SW Sub-region
 South East: 538.0 MW Central East: 34.0 MW South West: 336.4 MW
 FIG. A-5 - VR2020SL CASE: M5_GEN SCH 1
 PROJECT: PRE PROJECT (NO CDRS DR GETO)
 CAP: MAXIMIZE
 SUN JUL 12 2020 23:03
 Contingency: Base, Trip Action: None

Branch Loading: >=100.0%
 kV: <=25.000 <=99.000 <=138.000 <=240.000 <=500.000
 Bus - Voltage (kV/pu) Branch - MW/Loading
 Equipment - MW/Loading



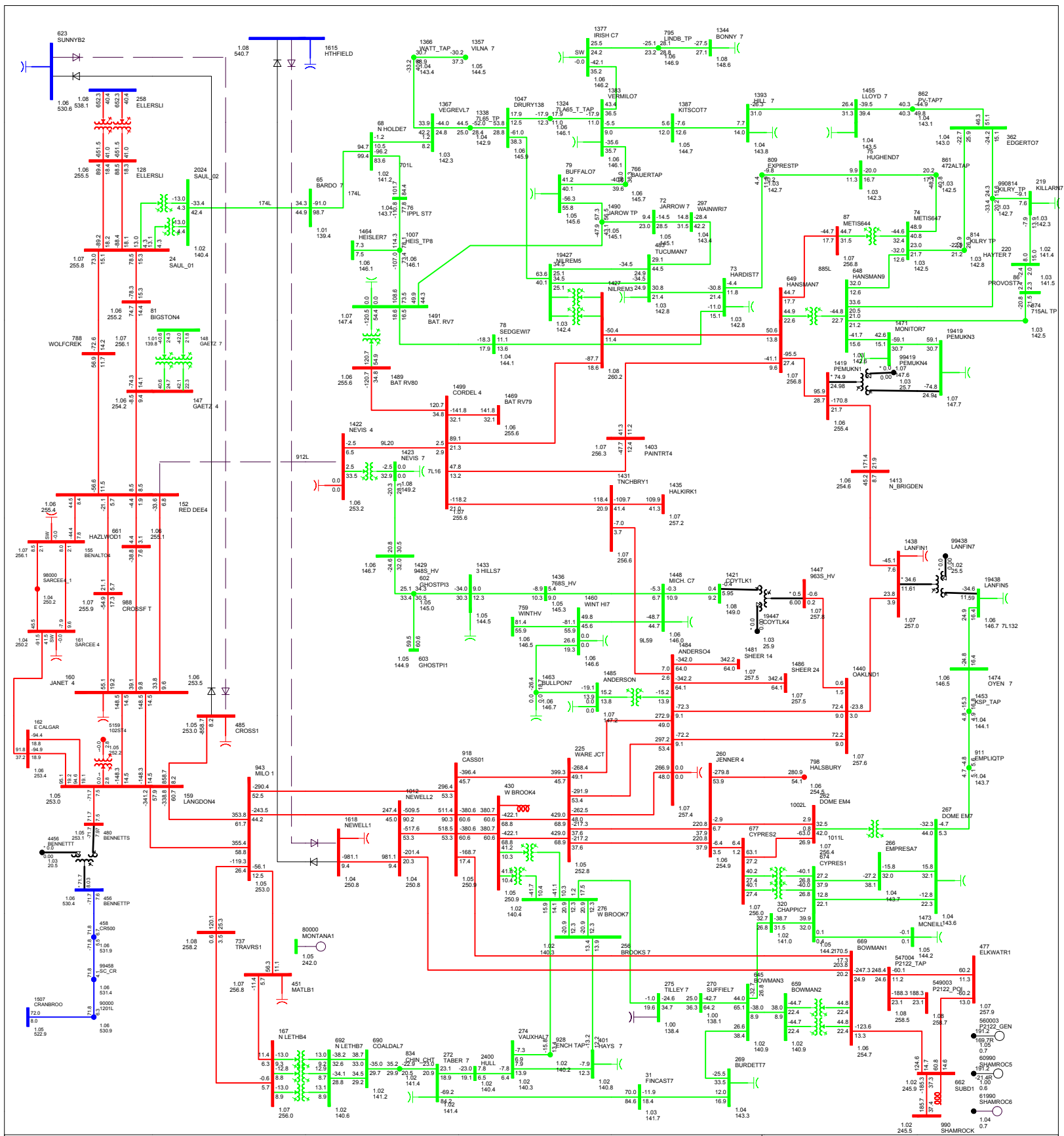
P7001 Central East Transfer Out Transmission Development
 New Generation in Study Area and SW Sub-region
 South East: 538.0 MW Central East: 34.0 MW South West: 336.4 MW
 FIG. A-6 - VR2020SLI_CASE: M5_GEN SCH 1
 PROJECT: PRE PROJECT (NO CDRS OR GETO)
 CAP: MAXIMIZE
 SUN: JUL 12 2020 23:03
 Contingency: 7685901T; Trip Action: None

Branch Loading: >=100.0%
 kV: <=25.00 <=69.00 <=138.00 <=240.00 <=500.00
 Bus - Voltage (kV/pu)
 Branch - MW/Loading
 Equipment - MW/Loading



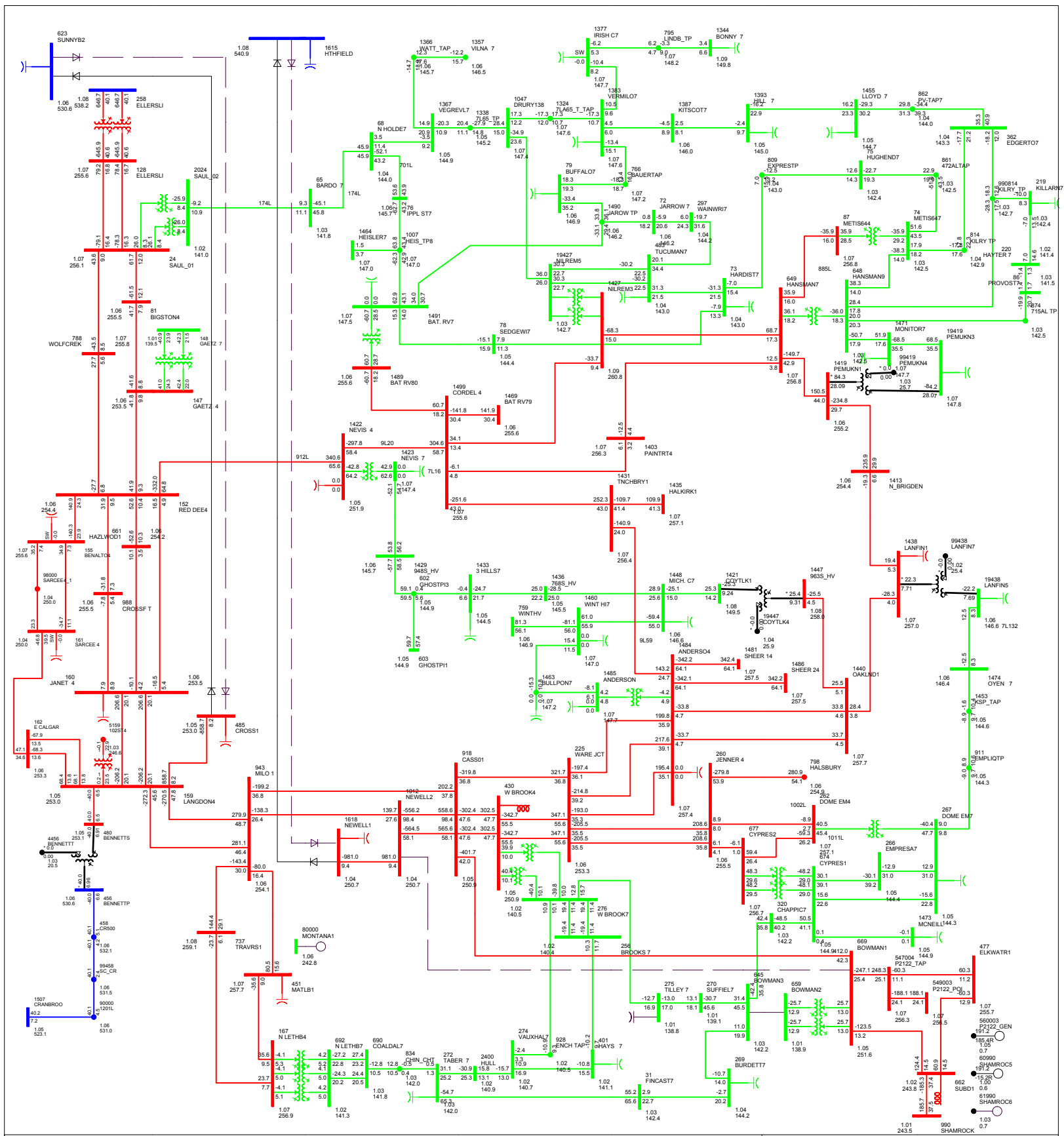
P7001 Central East Transfer Out Transmission Development
 New Generation in Study Area and SW Sub-region
 South East: 538.0 MW Central East: 34.0 MW South West: 336.4 MW
 FIG. A-7: W-202305: CASE: M5_GEN SCH 1
 PROJECT: PRE PROJECT (NO CDRS OR GETO)
 CAP: MAXIMIZE
 SUN: JUL 12 2023 23:03
 Contingency: EATL; Trip Action: L274 BC 1388V Tie

Branch Loading: **>=100.0%**
 kV: <=25.000 <=69.000 <=138.000 <=240.000 <=500.000
 Bus - Voltage (kV/pu) Branch - MW/Loading Equipment - MW/Loading



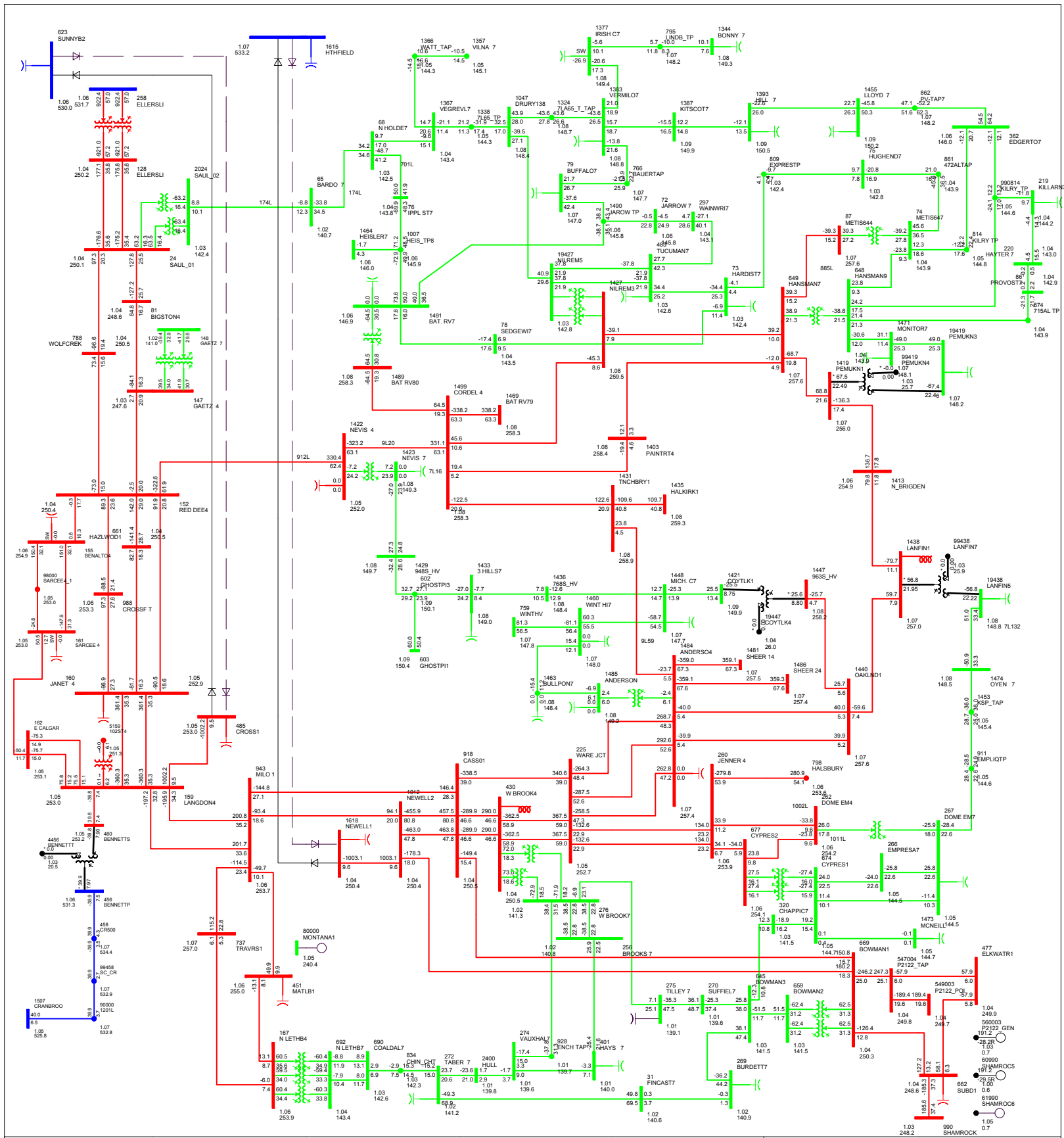
P7001 Central East Transfer Out Transmission Development
 New Generation in Study Area and SW Sub-region
 South East: 538.0 MW Central East: 34.0 MW South West: 336.4 MW
 FIG. A-9 - VR2020SL; CASE: M56_GEN SCH 1
 PROJECT: PRE PROJECT (NO CDRS OR GETO)
 CAP: MAXIMIZE
 RUN: JUL 12 2020 23:03
 Contingency: 912L; Trip Action: None

Branch Loading: >=100.0%
 kV: <=25.000 <=69.000 <=138.000 <=240.000 <=500.000
 Bus - Voltage (kV/pu)
 Branch - MW/Loading
 Equipment - MW/Loading



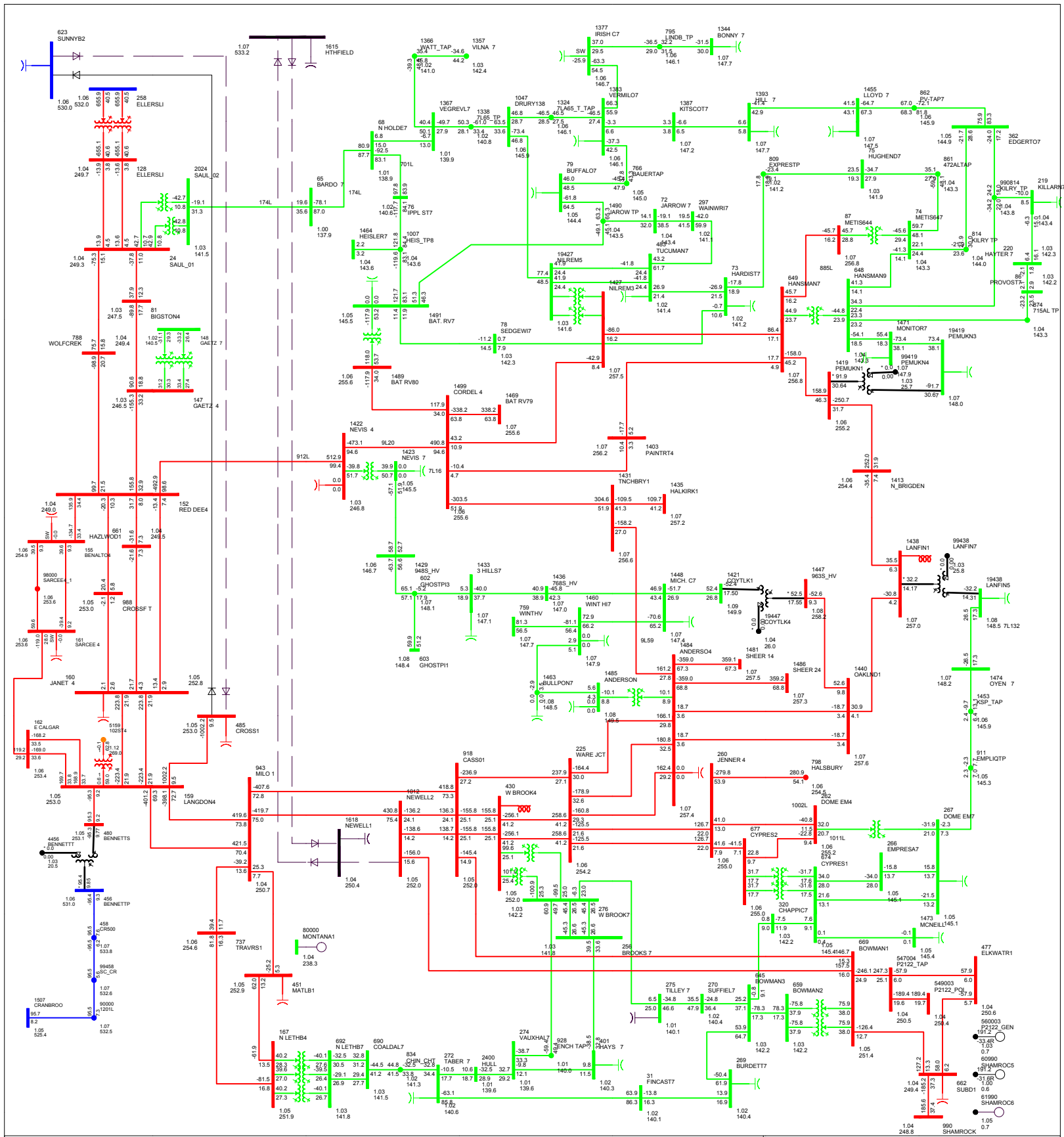
P7001 Central East Transfer Out Transmission Development
 New Generation in Study Area and SW Sub-region
 South East: 538.0 MW Central East: 34.0 MW South West: 336.4 MW
 FIG. A-10-VR-202305-CASE-ME-GEN SVN 1
 PROJECT PRE PROJECT (NO CDRK OR GETO)
 CAP: MAXIMIZE
 RUN: JUL 12 2023 23:03
 Contingency: 1035L; Trip Action: Bowman204/139V split

Branch Loading: >=100.0%
 kV: <=25.00 <=69.00 <=138.00 <=240.00 <=500.00
 Bus - Voltage (kV/pu)
 Branch - MW/Loading
 Equipment - MW/Loading



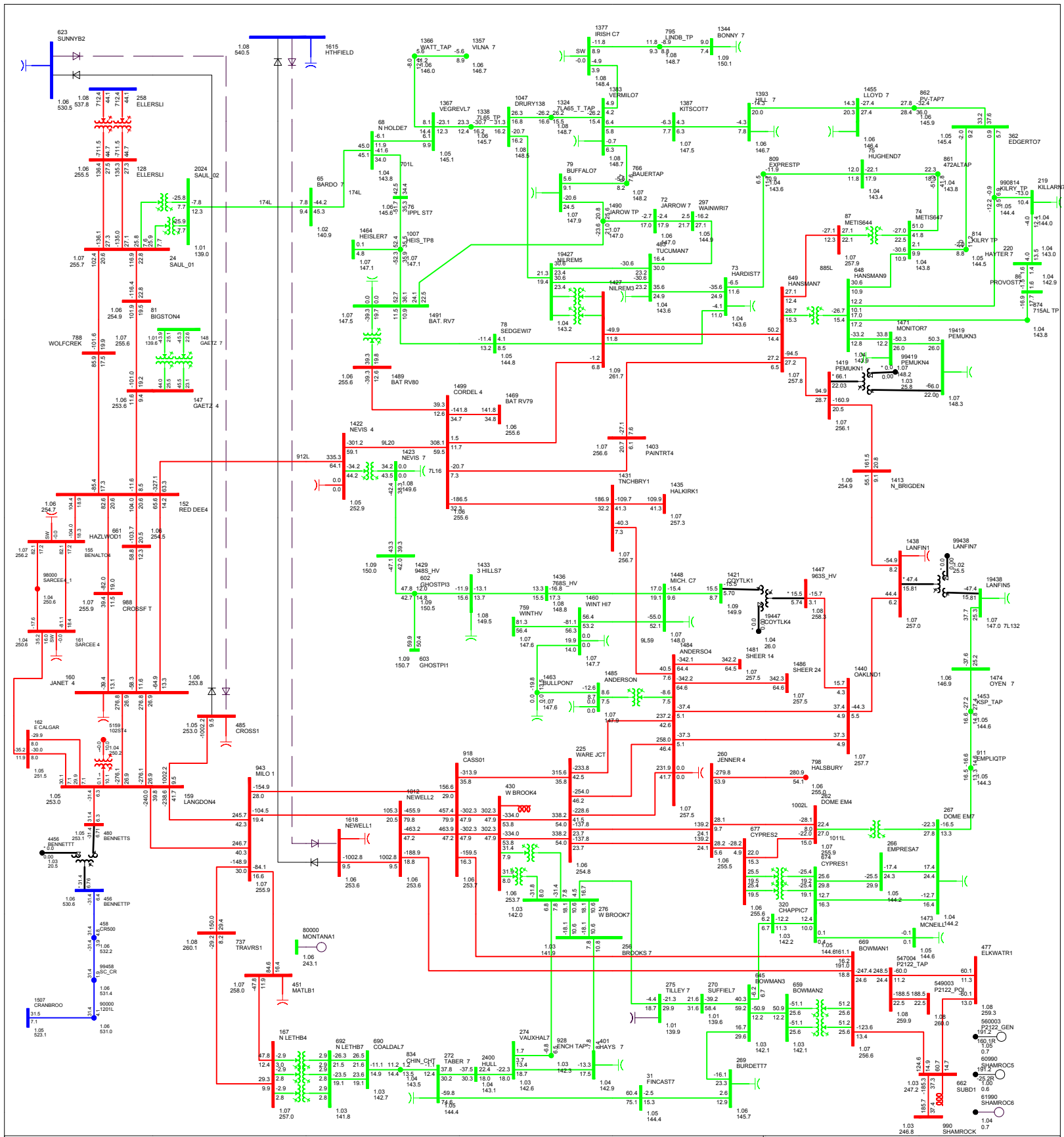
P7001 Central East Transfer Out Transmission Development
 New Generation in Study Area and SW Sub-region
 South East: 247.3 MW Central East: 222.8 MW South West: 267.4 MW
 FIG. A-11: YR-2023SP-CASE: MA: GEN: SEN 1
 PROJECT: P7001 (NO: OPRK DR: SETO)
 CAP: EQUALIZE
 RUN: JUL 12 2023 23:09
 Contingency: Base, Trip Action: None

Branch Loading: >=100.0%
 kV: <=25.00 <=69.00 <=138.00 <=240.00 <=500.00
 Bus - Voltage (kV/pu) Branch - MW/Loading
 Equipment - MW/Loading



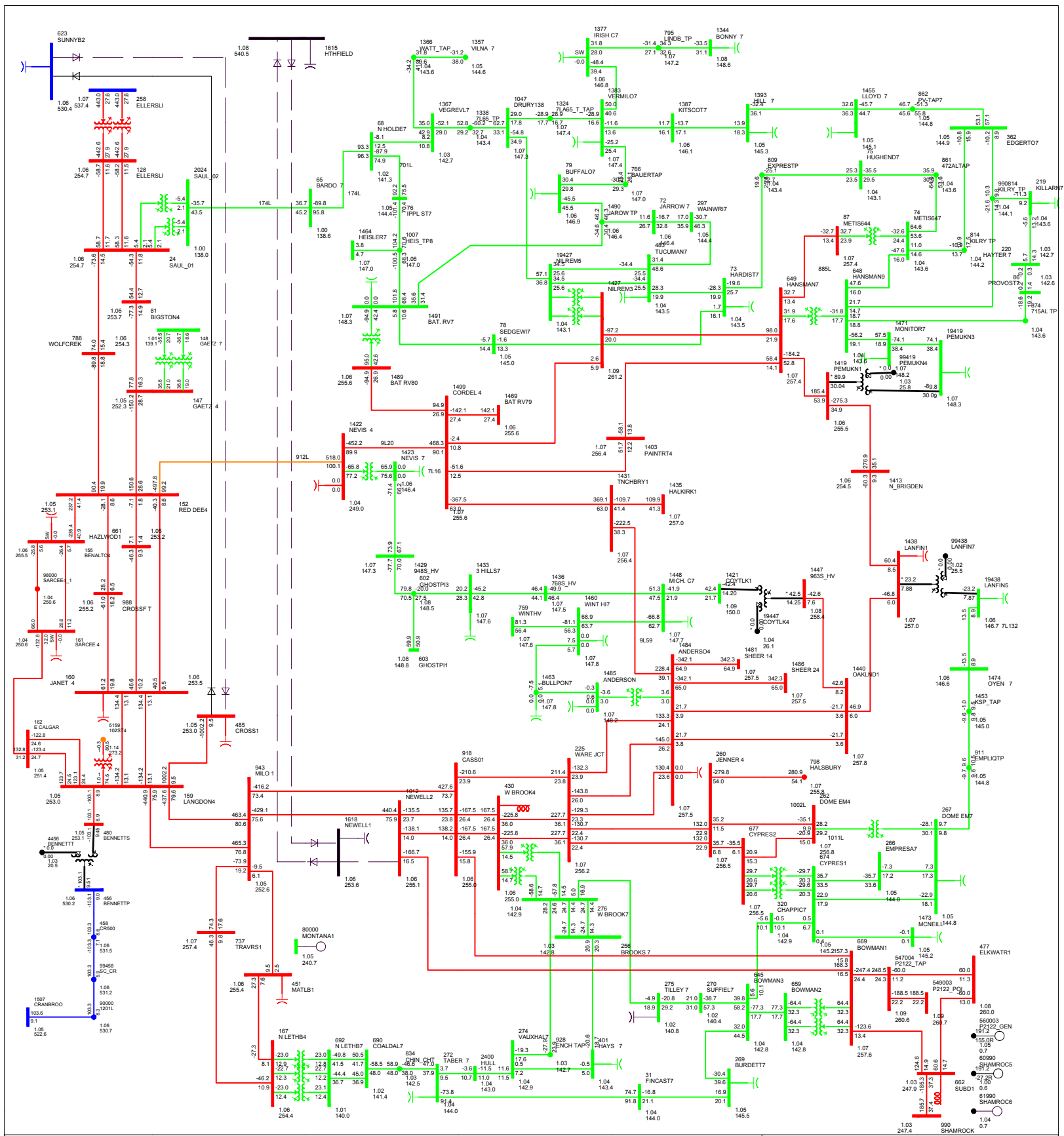
P7001 Central East Transfer Out Transmission Development
 New Generation in Study Area and SW Sub-region
 South East: 247.3 MW Central East: 222.8 MW South West: 267.4 MW
 FIG. A-12, VR-2023SP-CASE, MA, GEN SEN 3.1
 PROJECT PRELIMINARY PROJECT (NO. 0386 DR SET1)
 CAP. EQUALISE
 SUN, JUL 12 2023 23:09
 Contingency: EATL, Trip Action: None

Branch Loading: >=100.0%
 kV: <=250.0 <=99.0 <=138.0 <=240.0 <=500.0
 Bus - Voltage (kV/pu) Branch - MW/Loading Equipment - MW/Loading



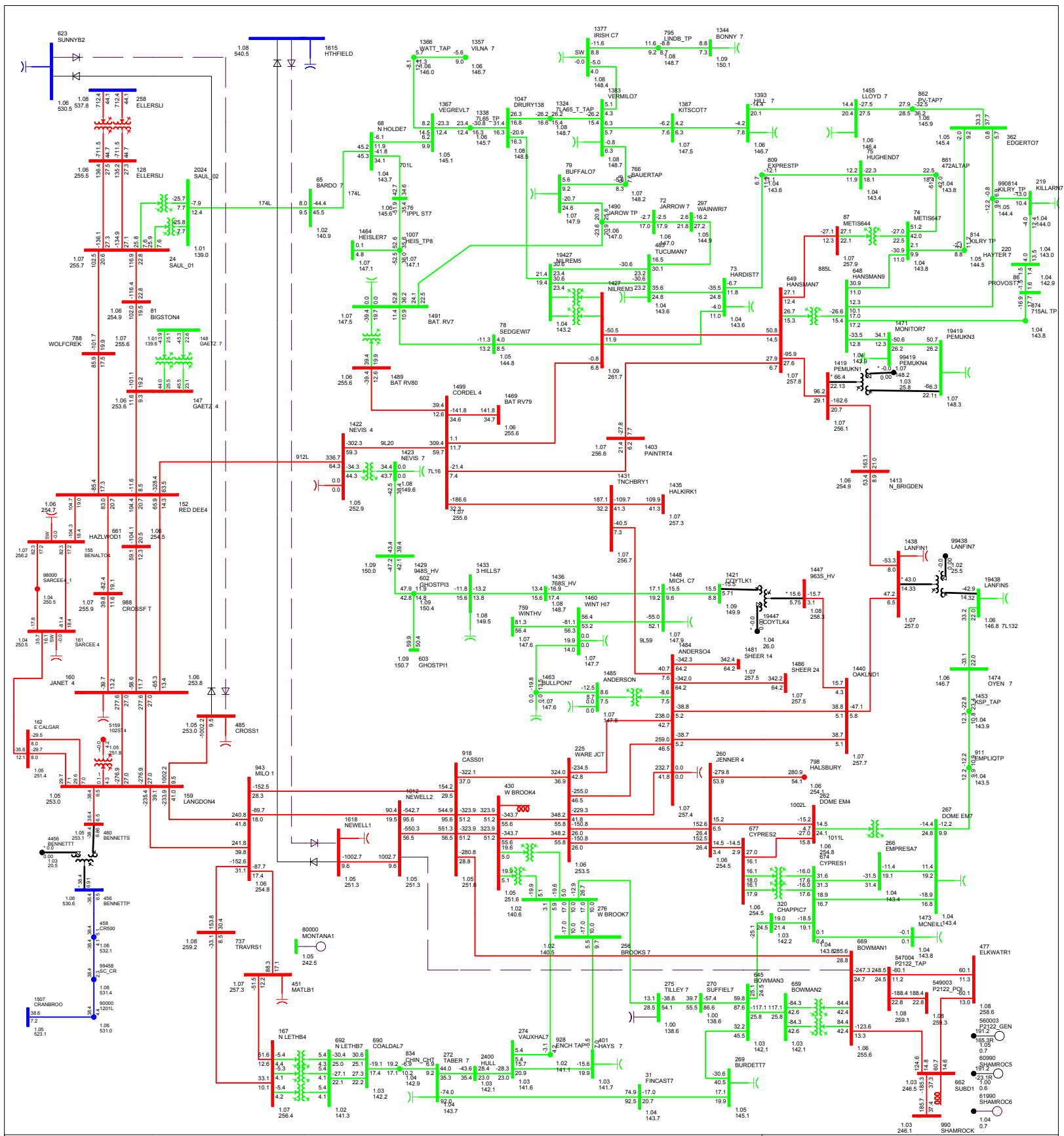
P7001 Central East Transfer Out Transmission Development
 New Generation in Study Area and SW Sub-region
 South East: 247.3 MW Central East: 222.8 MW South West: 267.4 MW
 FIG. A-14_YR2023L2_CASE_MW_GEN_SON V
 PROJECT: PSE PROJECT (NO. CDRK DR CETO)
 CAP. EQUALIZE
 SUN JUL 12 2023 23:09
 Contingency: Base, Trip Action: None

Branch Loading: **>=100.0%**
 kV: <=25.000 <=69.000 <=138.000 <=240.000 <=500.000
 Bus - Voltage (kV/pu) Branch - MW/Loading Equipment - MW/Loading



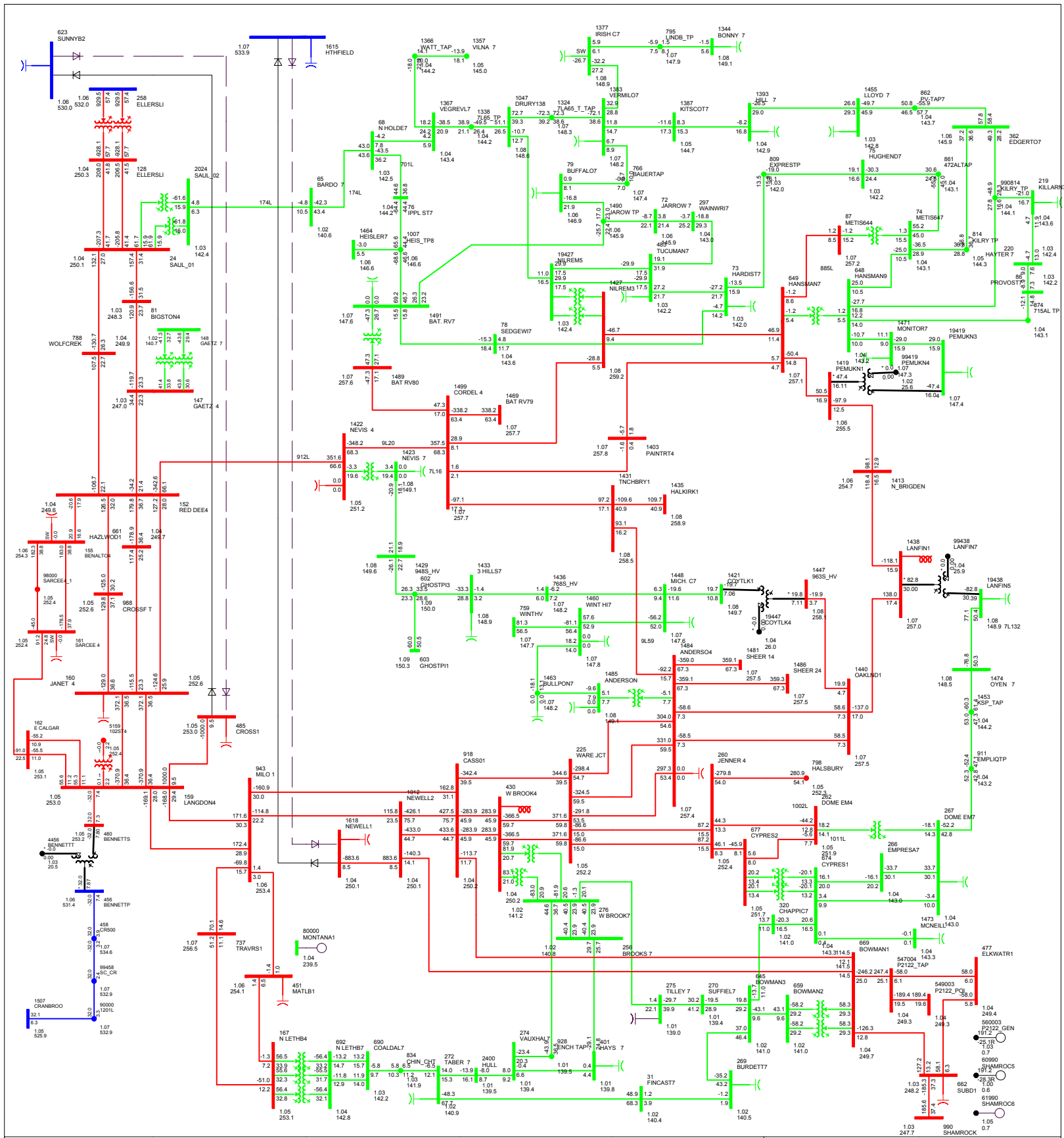
P7001 Central East Transfer Out Transmission Development
 New Generation in Study Area and SW Sub-region
 South East: 247.3 MW Central East: 222.8 MW South West: 267.4 MW
 FIG. A-15: 1R-2023SL-CASE: MW: GEN: SW: 1
 PROJECT: PRE: PROJECT (NO: CRIC: DR: CETO)
 CAP: EQUALIZE
 SW: JUL: 12: 2023: 23:09
 Contingency: EATL: Trip Action: None

Branch Loading: >=100.0%
 kV: <=25.000 <=69.000 <=138.000 <=240.000 <=500.000 Bus - Voltage (kV/pu)
 Branch - MW/Loading
 Equipment - MW/Loading



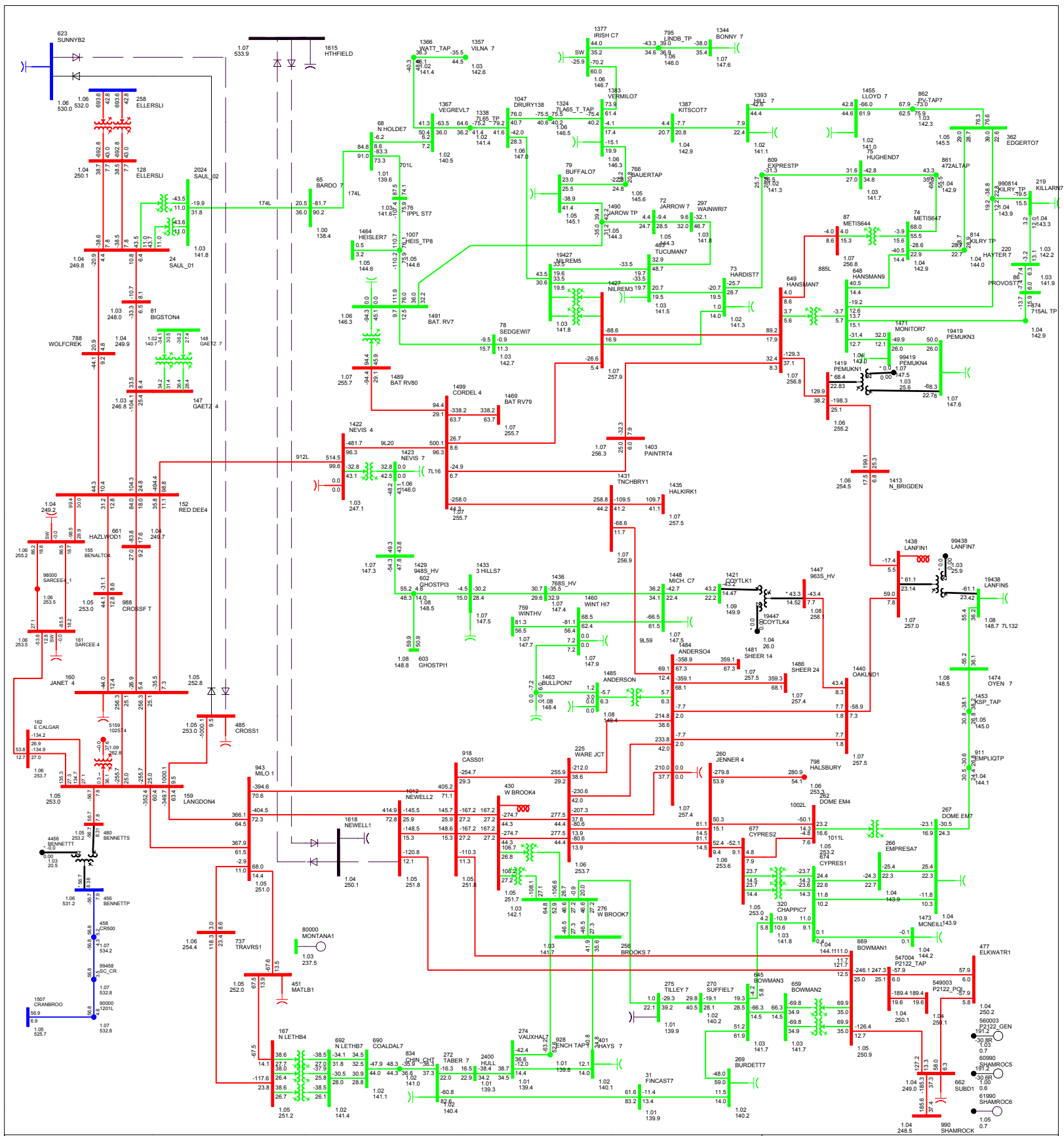
P7001 Central East Transfer Out Transmission Development
 New Generation in Study Area and SW Sub-region
 South East: 247.3 MW Central East: 222.8 MW South West: 267.4 MW
 FIG. A-16 - YR-2023SL - CASE: M5 - GEN SVC 1
 PROJECT: PRE PROJECT (NO CDRG OR CETO)
 CAP: EQUALIZE
 RUN: JUL 12 2023 23:09
 Contingency: 103SL; Trip Action: None

Branch Loading: **>=100.0%**
>=99.0% **>=98.0%** **>=97.0%** **>=96.0%**
 kV: <=25.000 <=69.000 <=138.000 <=240.000 <=500.000
 Bus - Voltage (kV/pu) Branch - MW/Loading Equipment - MW/Loading



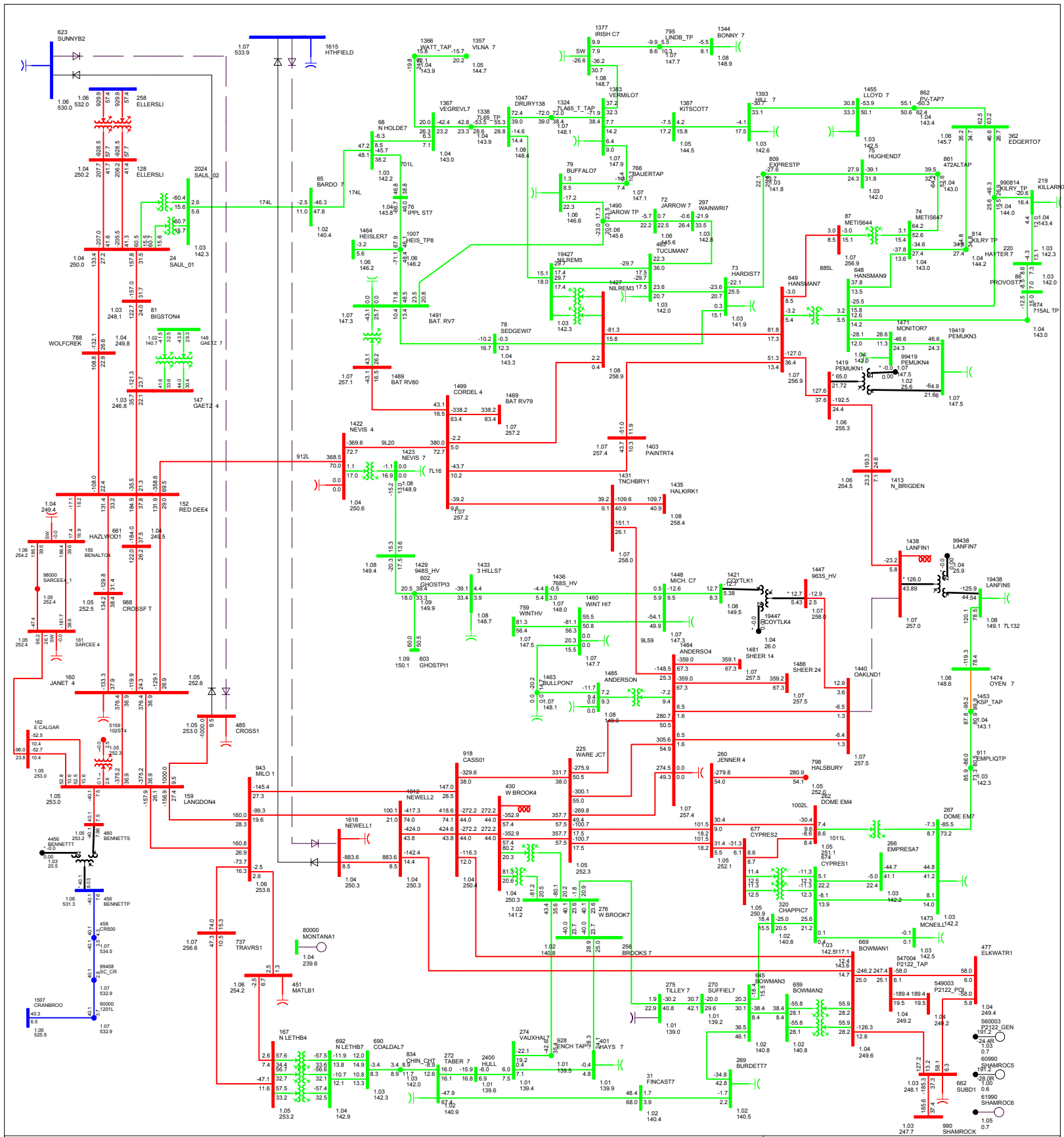
P7001 Central East Transfer Out Transmission Development
 New Generation in Study Area and SW Sub-region
 South East: 0.0 MW Central East: 452.1 MW South West: 0.0 MW
 FIG. A-17-VR-2023SP-CASE: MA: GEN: SEN 1
 PROJECT: PRE PROJECT (NO: CDRK DR SETO)
 CAP: CE
 SUN: JUL 12 2020 23:04
 Contingency: Base: Trip Action: None

Branch Loading: >=100.0%
 kV: <=25.00V <=69.00V <=138.00V <=240.00V <=500.00V
 Bus - Voltage (kV/pu)
 Branch - MW/Loading
 Equipment - MW%/Loading



P7001 Central East Transfer Out Transmission Development
 New Generation in Study Area and SW Sub-region
 South East: 0.0 MW Central East: 452.1 MW South West: 0.0 MW
 FIG. A-18 - YR2023SP - CASE: MA: GEN SCH 1
 PROJECT: PRE PROJECT (NO: CRK-DR-LET1)
 CAP: CE
 SUN: JUL 12 2020 23:04
 Contingency: EATL; Trip Action: None

Branch Loading: >=100.0%
 kV: <=25.00 <=69.00 <=138.00 <=240.00 <=500.00
 Bus - Voltage (kV/pu)
 Branch - MW/Loading
 Equipment - MW/Loading



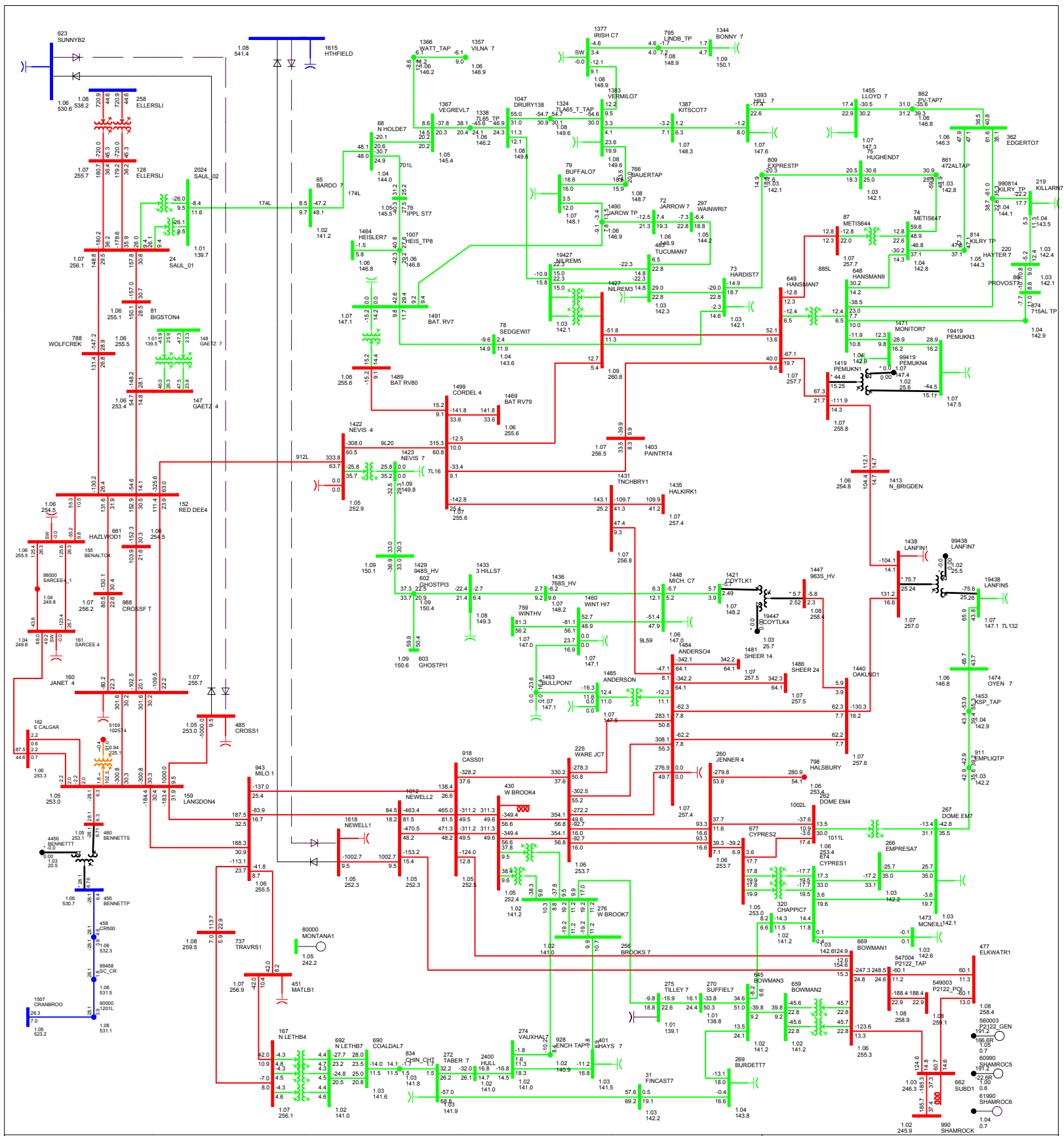
P7001 Central East Transfer Out Transmission Development

New Generation in Study Area and SW Sub-region
 South East: 0.0 MW Central East: 452.1 MW South West: 0.0 MW

FIG. A-19-VR-2023SP-CASE-MA-GEN-SEN-1
 PROJECT PRE PROJECT (NO-CRDC DR SETO)
 CAP. CT
 SUN JUL 12 2020 23:05
 Contingency: SL24; Trip Action: None

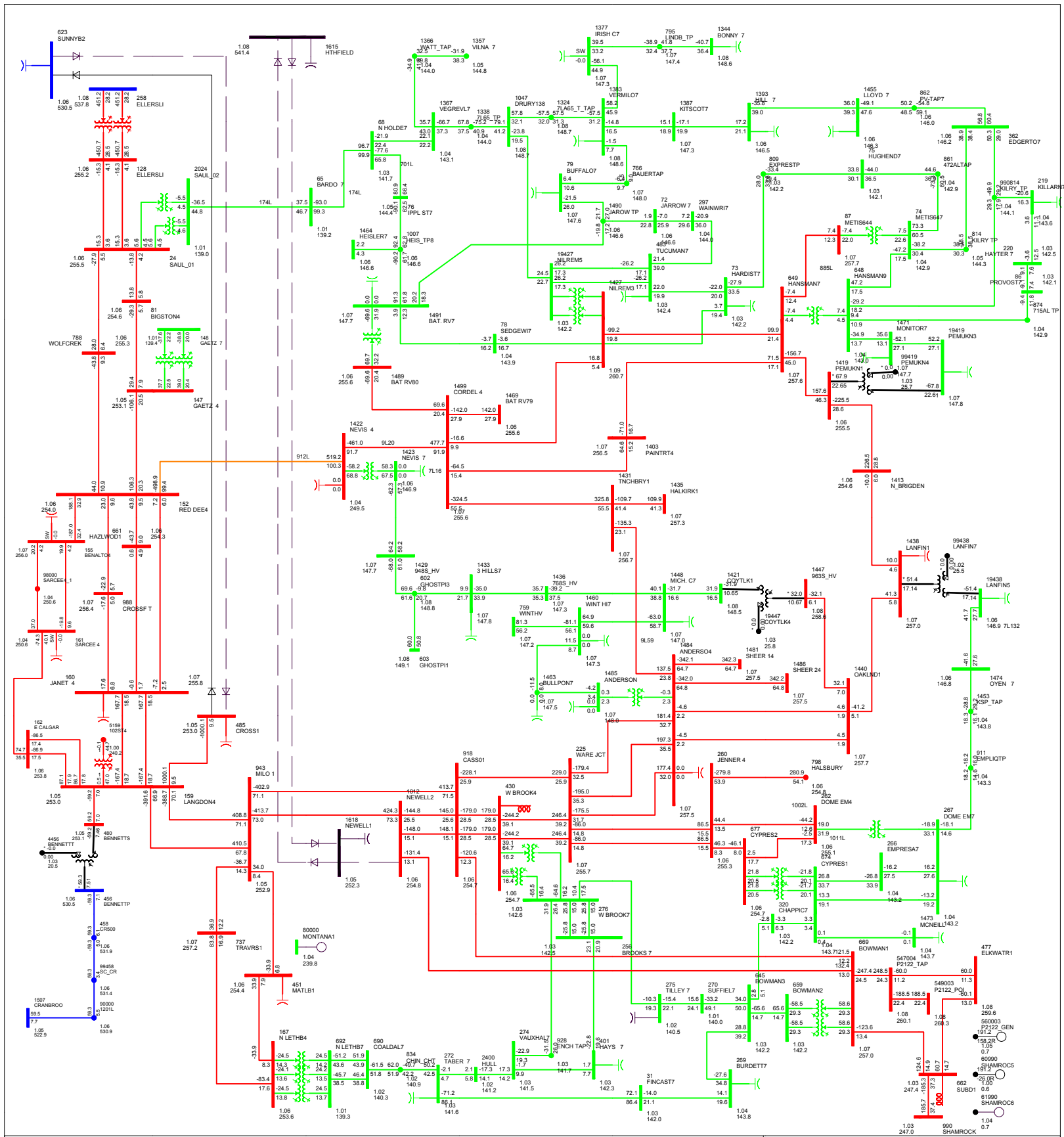
Branch Loading: >=100.0%
 kV: <=25.00 <=9.00 <=138.00 <=240.00 <=500.00

Bus - Voltage (kV/pu)
 Branch - MW%/Loading
 Equipment - MW%/Loading



P7001 Central East Transfer Out Transmission Development
 New Generation in Study Area and SW Sub-region
 South East: 0.0 MW Central East: 452.1 MW South West: 0.0 MW
 FIG. A-20_YR2023SL_CASE_ML_GEN_SCV1
 PROJECT: PRE PROJECT (NO CDRK DR CETO)
 CAP. CE
 SUN JUL 12 2020 23:05
 Contingency: Base, Trip Action: None

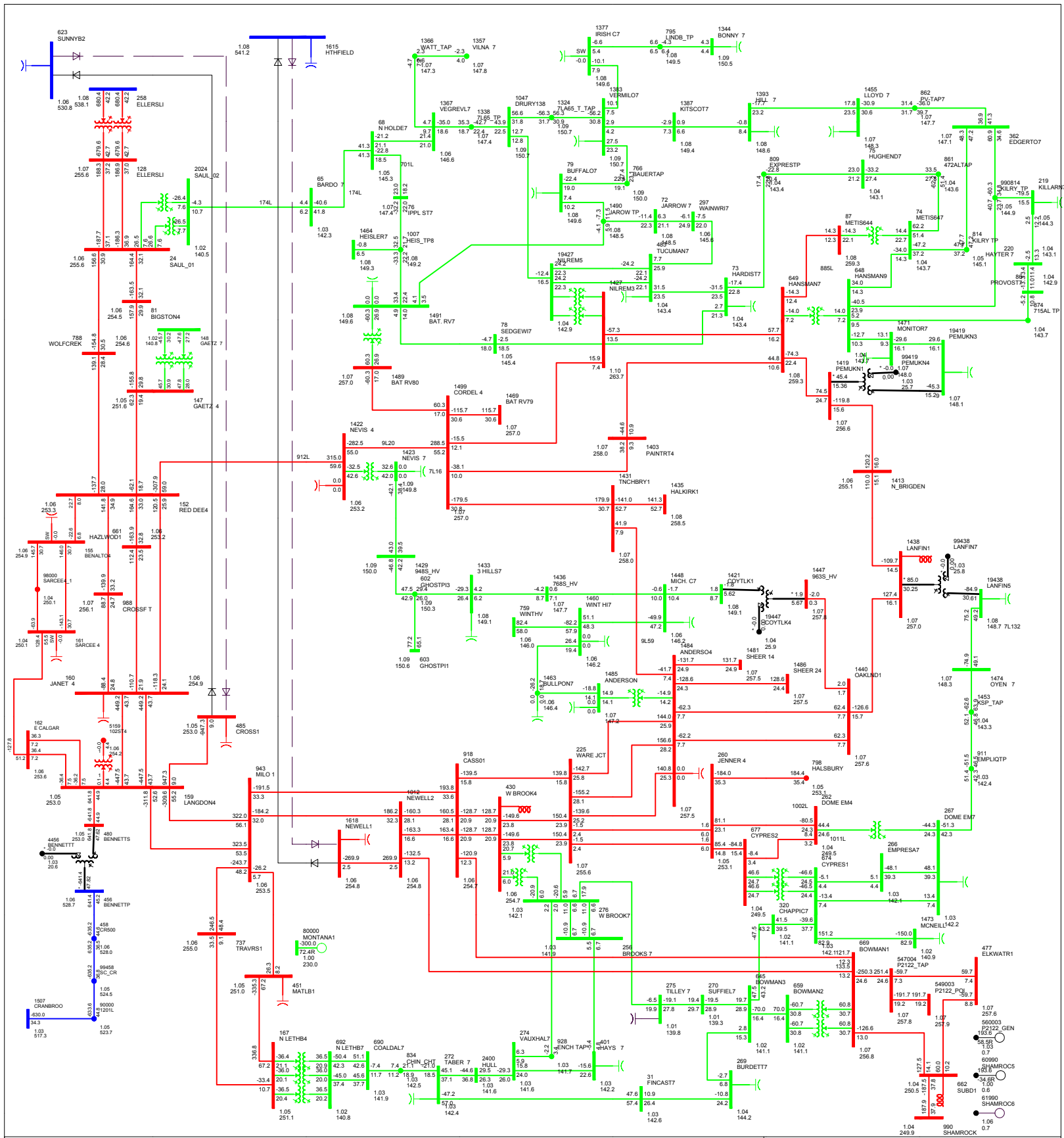
Branch Loading: >=100.0% >=90.0% >=80.0% >=70.0% <=60.0%
 kV: <=25.00V <=69.00V <=138.00V <=240.00V <=500.00V
 Bus - Voltage (kV/pu) Branch - MW/Loading Equipment - MW%/Loading



P7001 Central East Transfer Out Transmission Development
 New Generation in Study Area and SW Sub-region
 South East: 0.0 MW Central East: 452.1 MW South West: 0.0 MW
 FIG. A-21-VR-2023SL-CASE: MW_GEN_SCN 1
 PROJECT: PRE PROJECT (NO CSCB OR CETO)
 CAP. CE
 SUN JUL 12 2020 23:04
 Contingency: EATL1, Trip Action: None

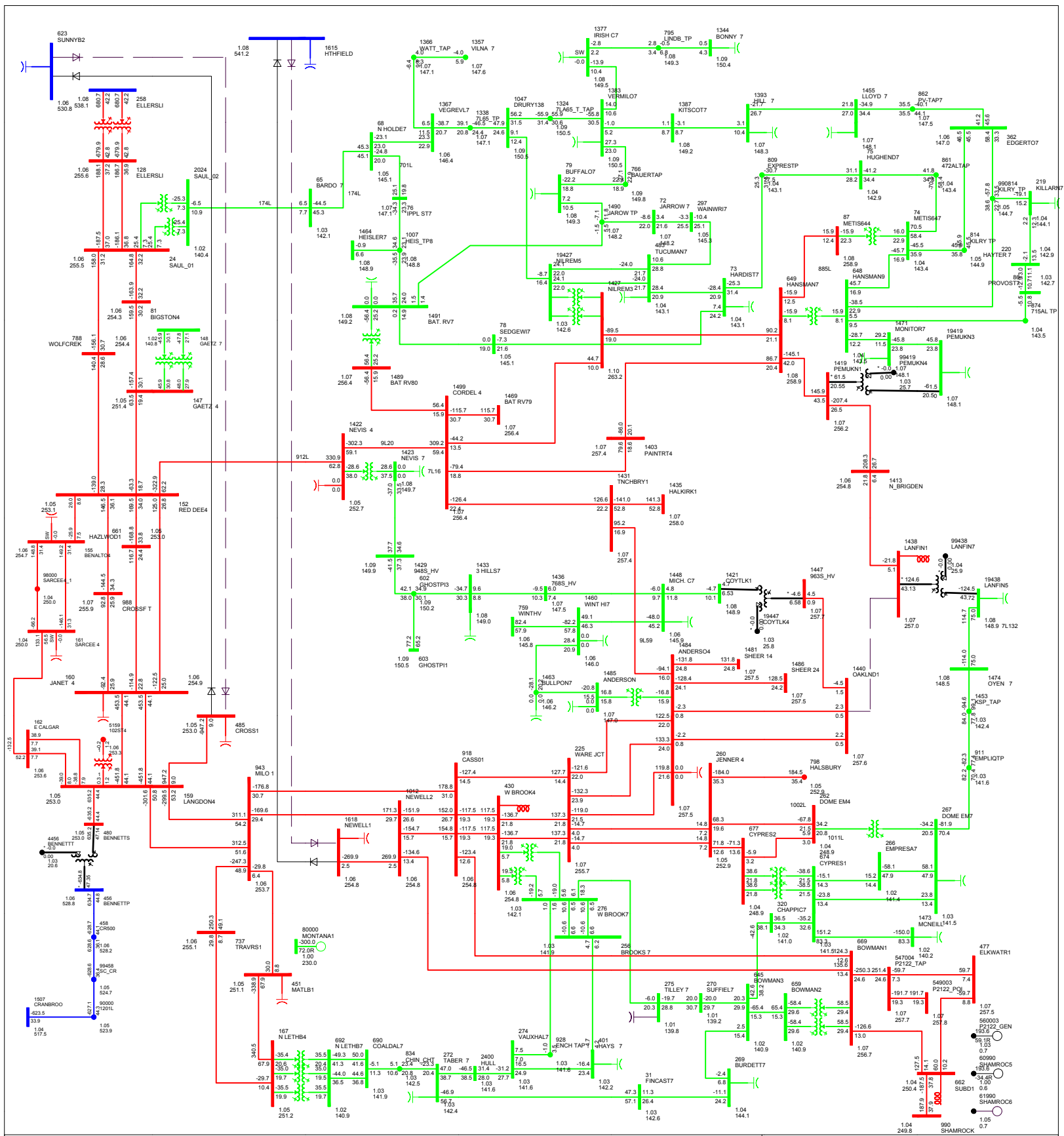
Branch Loading: >=100.0%
 kV: <=25.00 <=99.99 <=138.00 <=240.00 <=500.00

Bus - Voltage (kV/pu) Branch - MW/Loading
 Equipment - MW/Loading



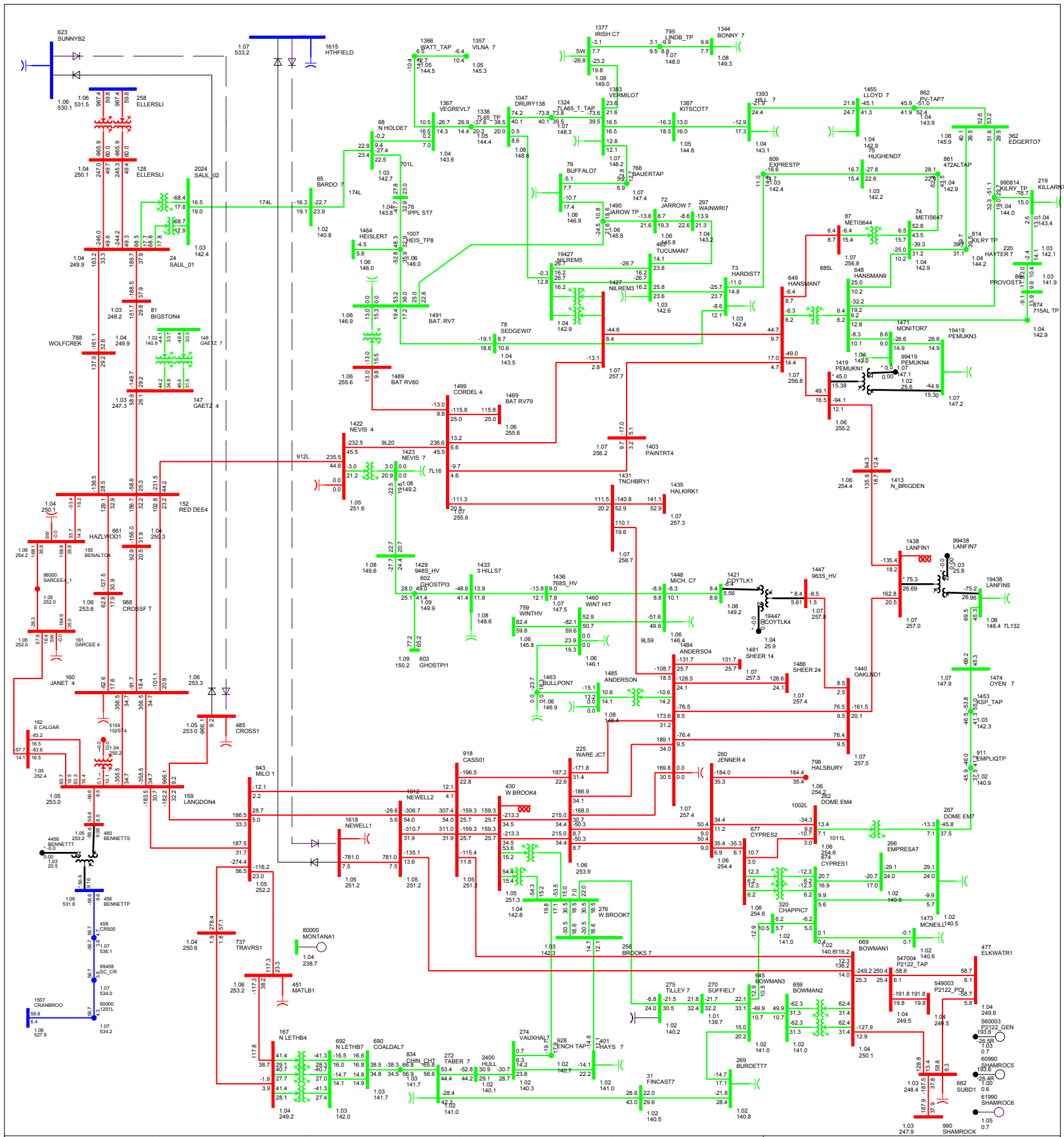
P7001 Central East Transfer Out Transmission Development
 New Generation in Study Area and SW Sub-region
 South East: 0.0 MW Central East: 452.1 MW South West: 0.0 MW
 FIG. A-22: YR2023SL-CASE: M3- GEN SVN 1
 PROJECT: PRE PROJECT (NO CDRK DR CETO)
 CAP. CE
 SUN JUL 12 2020 23:04
 Contingency: Base, Trip Action: None

Branch Loading: >=100.0%
 kV: <=25.000 <=69.000 <=138.000 <=240.000 <=500.000
 Bus - Voltage (kV/pu) Branch - MW/Loading Equipment - MW%/Loading



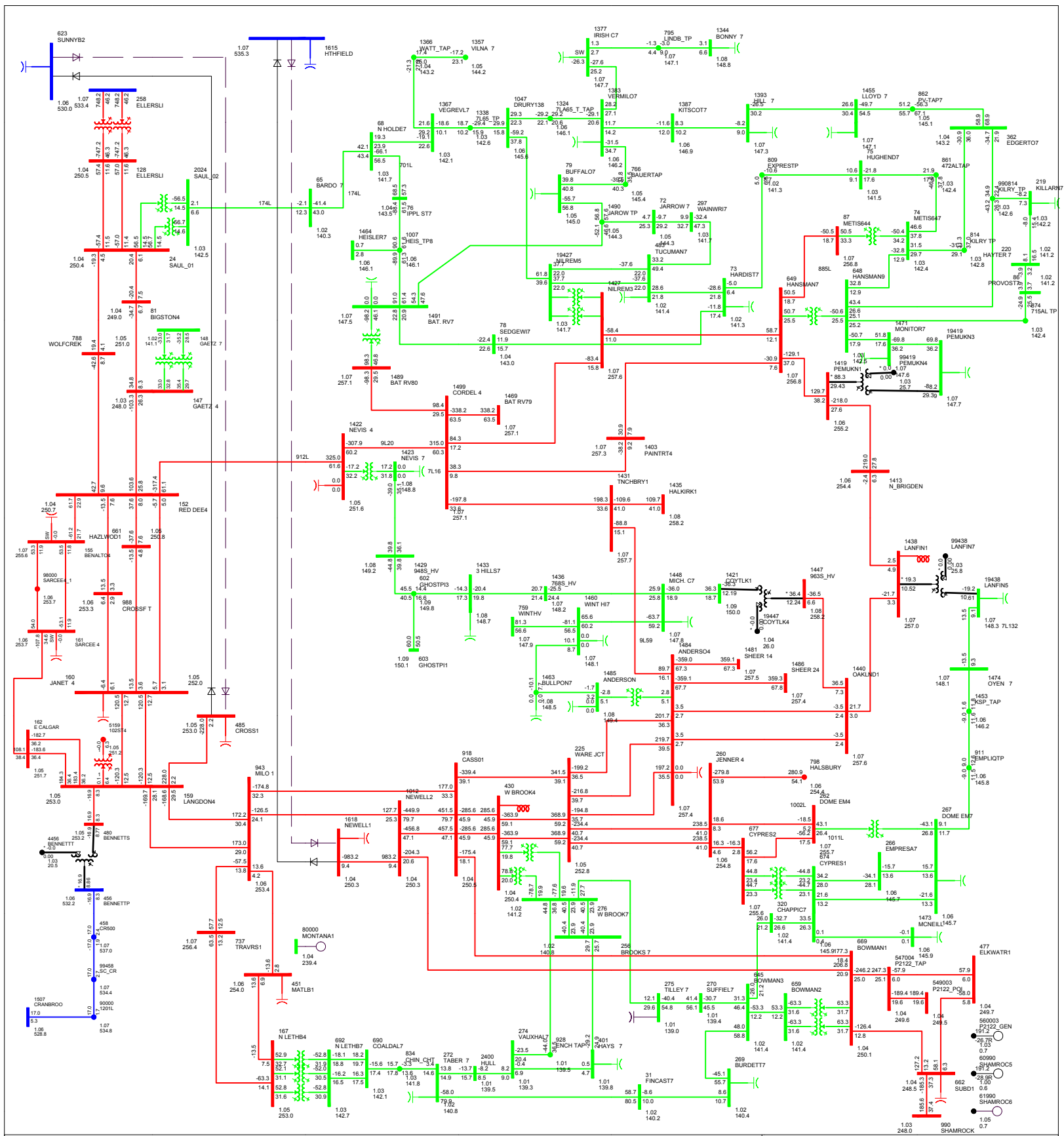
P7001 Central East Transfer Out Transmission Development
 New Generation in Study Area and SW Sub-region
 South East: 0.0 MW Central East: 452.1 MW South West: 0.0 MW
 FIG. A-23_VR-2023SL-CASE_M3_GEN_SCH_V1
 PROJECT PRE PROJECT (NO CIRC DR SET)
 CAP_CE
 SUN JUL 12 2020 23:04
 Contingency: SL24; Trip Action: None

Branch Loading: >=100.0% >=90.0% >=80.0% <=70.0% <=60.0%
 kV: <=25.000 <=69.000 <=138.000 <=240.000 <=500.000
 Bus - Voltage (kV/pu) Branch - MW/Loading Equipment - MW/Loading



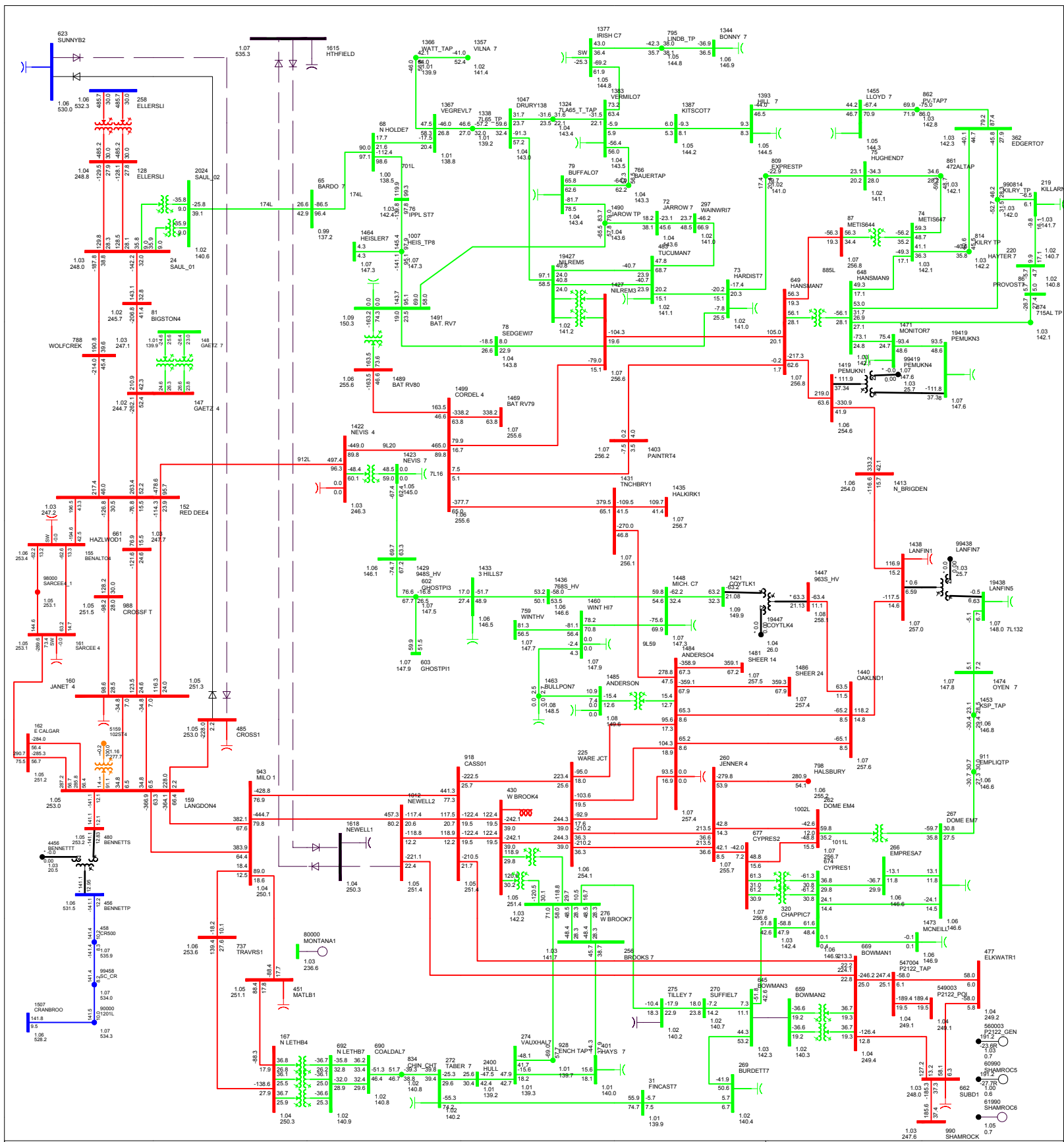
P7001 Central East Transfer Out Transmission Development
 New Generation in Study Area and SW Sub-region
 South East: 0.0 MW Central East: 452.1 MW South West: 0.0 MW
 FIG. A-24_VR2023SP_CASE: M1_GEN SCH 1
 PROJECT: PPS PROJECT (NO. CDRK DR SETO)
 CAP. CE
 SUN JUL 12 2020 23:04
 Contingency: Base, Trip Action: None

Branch Loading: **>=100.0%**
 kV: <=25.000 <=69.000 <=138.000 <=240.000 <=500.000
 Bus - Voltage (kV/pu) Branch - MW/Loading Equipment - MW/Loading



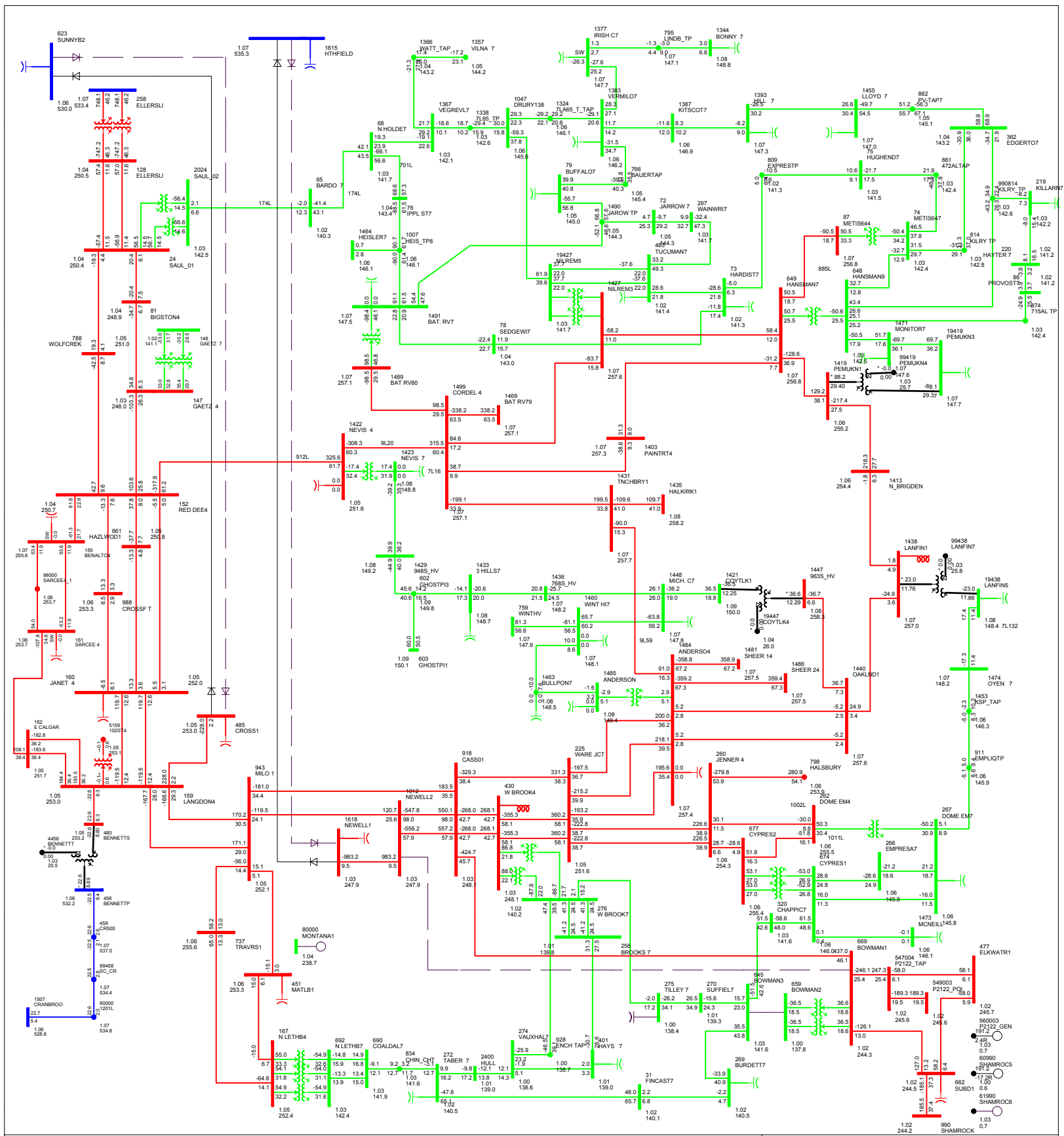
P7001 Central East Transfer Out Transmission Development
 New Generation in Study Area and SW Sub-region
 South East: 572.0 MW Central East: 0.0 MW South West: 0.0 MW
 FIG. A-26 - YR2023SP - CASE: MA: GEN SEN 1
 PROJECT: PPS PROJECT (NO: OBRK DR LETO)
 CAP: SE
 SUN JUL 12 2020 22:59
 Contingency: Base, Trip Action: None

Branch Loading: >=100.0%
 kV: <=25.000 <=69.000 <=138.000 <=240.000 <=500.000 Bus - Voltage (kV/pu)
 Branch - MW/Loading Equipment - MW/Loading



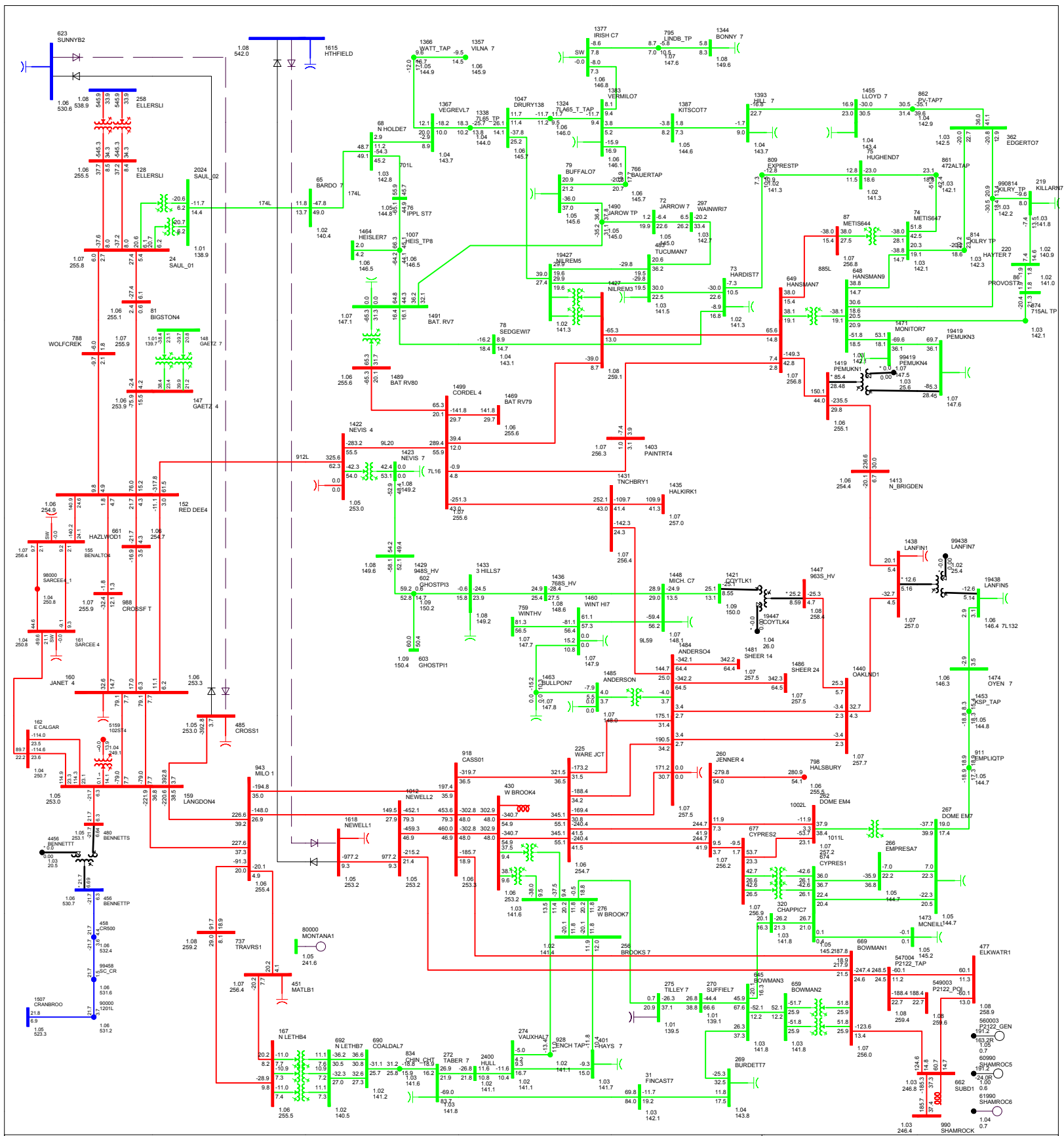
P7001 Central East Transfer Out Transmission Development
 New Generation in Study Area and SW Sub-region
 South East: 572.0 MW Central East: 0.0 MW South West: 0.0 MW
 FIG. A-27-1R-2023SP-CASE: MA: GEN SEN GEN 1
 PROJECT: PRE PROJECT (NO: CDRK DR LETO)
 CAP: SE
 SUN JUL 12 2020 22:58
 Contingency: EATL1, Trip Action: Bowman2014/38KV split

Branch Loading: **>=100.0%**
 kV: <=25.00 <=9.00 <=138.00 <=240.00 <=500.00
 Bus - Voltage (kV/pu) Branch - MW/Loading Equipment - MW/Loading



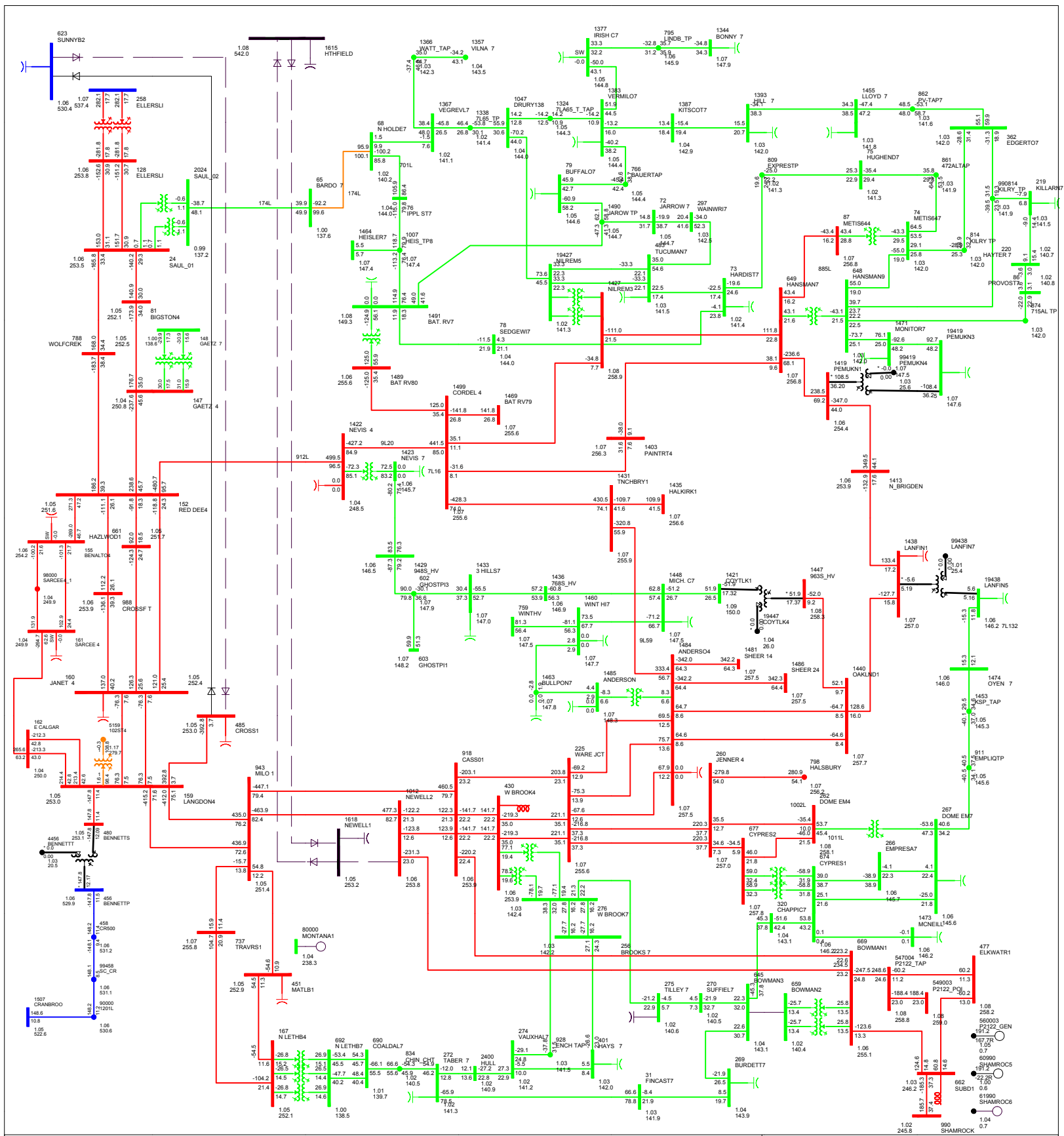
P7001 Central East Transfer Out Transmission Development
 New Generation in Study Area and SW Sub-region
 South East: 572.0 MW Central East: 0.0 MW South West: 0.0 MW
 FIG. A-29 - YR2023SP - CASE: MA - GEN SCH 1
 PROJECT: PPS PROJECT (NO OBRK DR LETO)
 CAP: SE
 SUN JUL 12 2020 22:59
 Contingency: 1035L; Trip Action: Bowman2 240/139kV split

Branch Loading: >=100.0%
<=250.0 <=138.0 <=99.0 <=25.0 Bus - Voltage (kV/pu)
 Branch - MW/Loading
 Equipment - MW/Loading



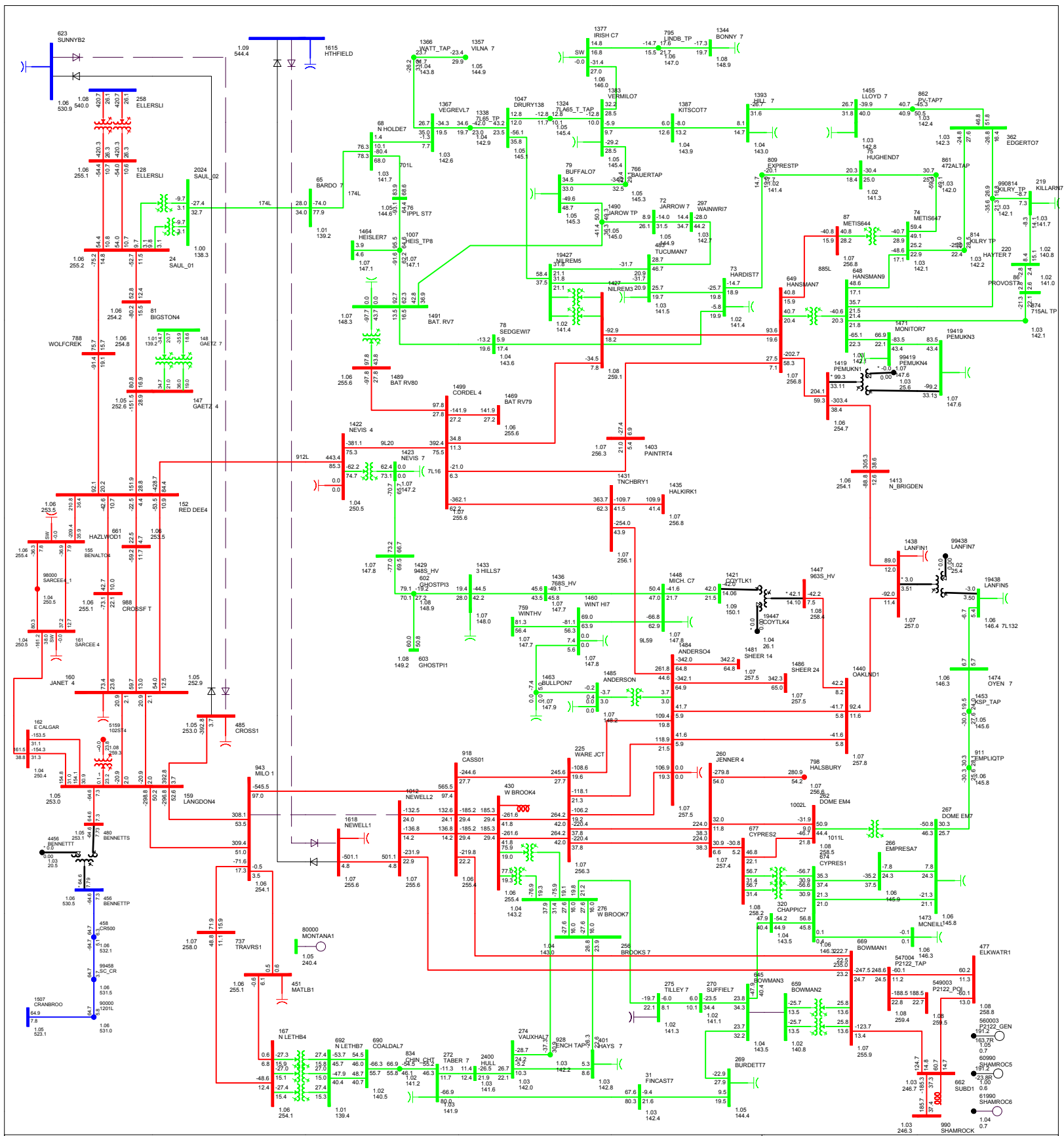
P7001 Central East Transfer Out Transmission Development
 New Generation in Study Area and SW Sub-region
 South East: 572.0 MW Central East: 0.0 MW South West: 0.0 MW
 FIG. A-29-VR-2023SL-CASE-ME-GEN-SCN 1
 PROJECT PRE PROJECT (NO CSCR OR CETO)
 CAP. SE
 SUN JUL 12 2020 22:59
 Contingency: Base, Trip Action: None

Branch Loading: **>=100.0%**
 kV: <=25.000 <=69.000 <=138.000 <=240.000 <=500.000
 Bus - Voltage (kV/pu) Branch - MW/Loading Equipment - MW/Loading



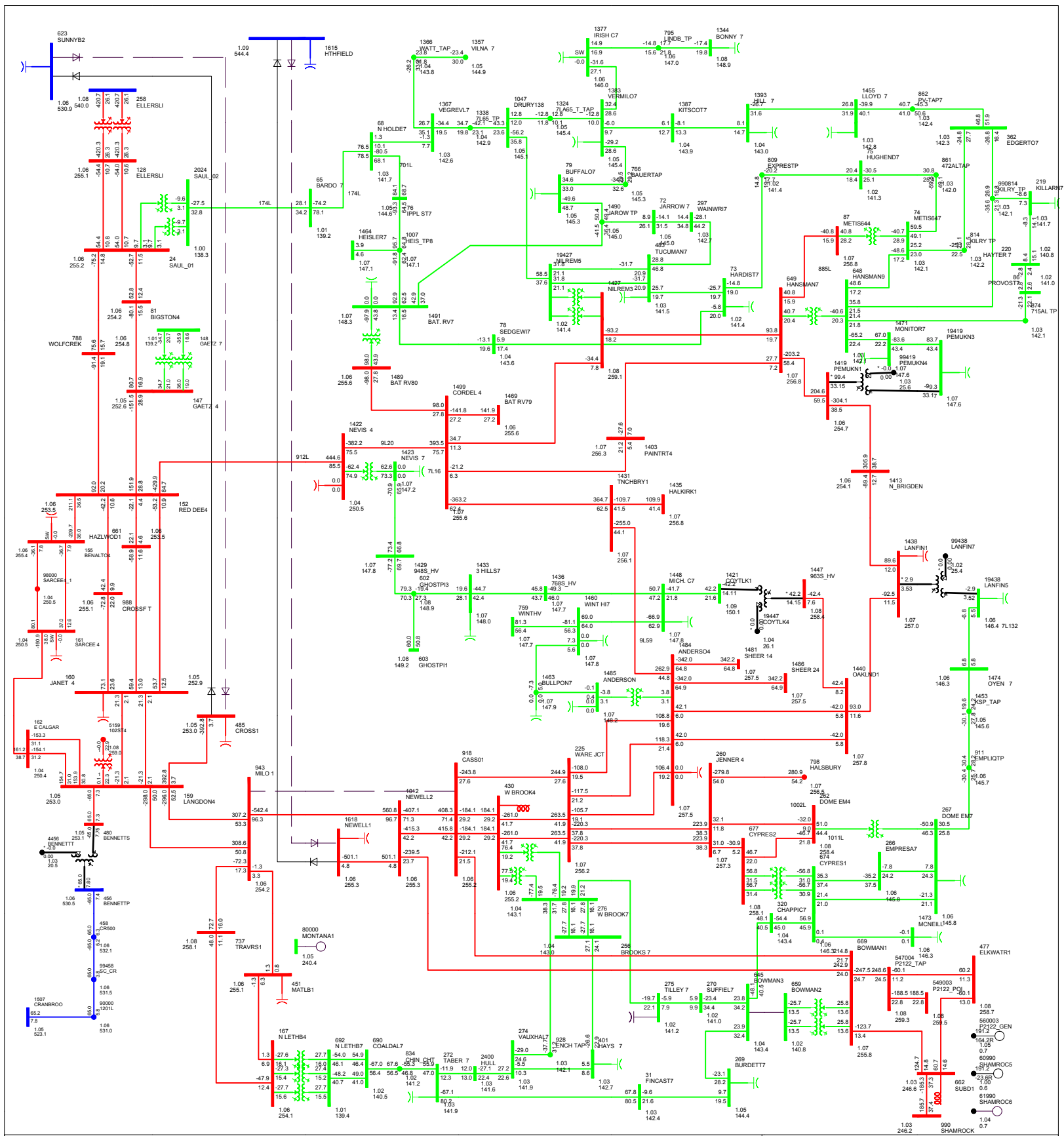
P7001 Central East Transfer Out Transmission Development
 New Generation in Study Area and SW Sub-region
 South East: 572.0 MW Central East: 0.0 MW South West: 0.0 MW
 FIG. A-30-VR-2023SL-CASE: MW_GEN_SCN V1
 PROJECT: PRE PROJECT (NO CDRK OR CETO)
 CAP: SE
 SUN JUL 12 2020 22:59
 Contingency: EATL1, Trip Action; Bowman2/190kV split

Branch Loading: **>=100.0%**
 kV: <=25.000 <=69.000 <=138.000 <=240.000 <=500.000
 Bus - Voltage (kV/pu) Branch - MW/Loading Equipment - MW/Loading



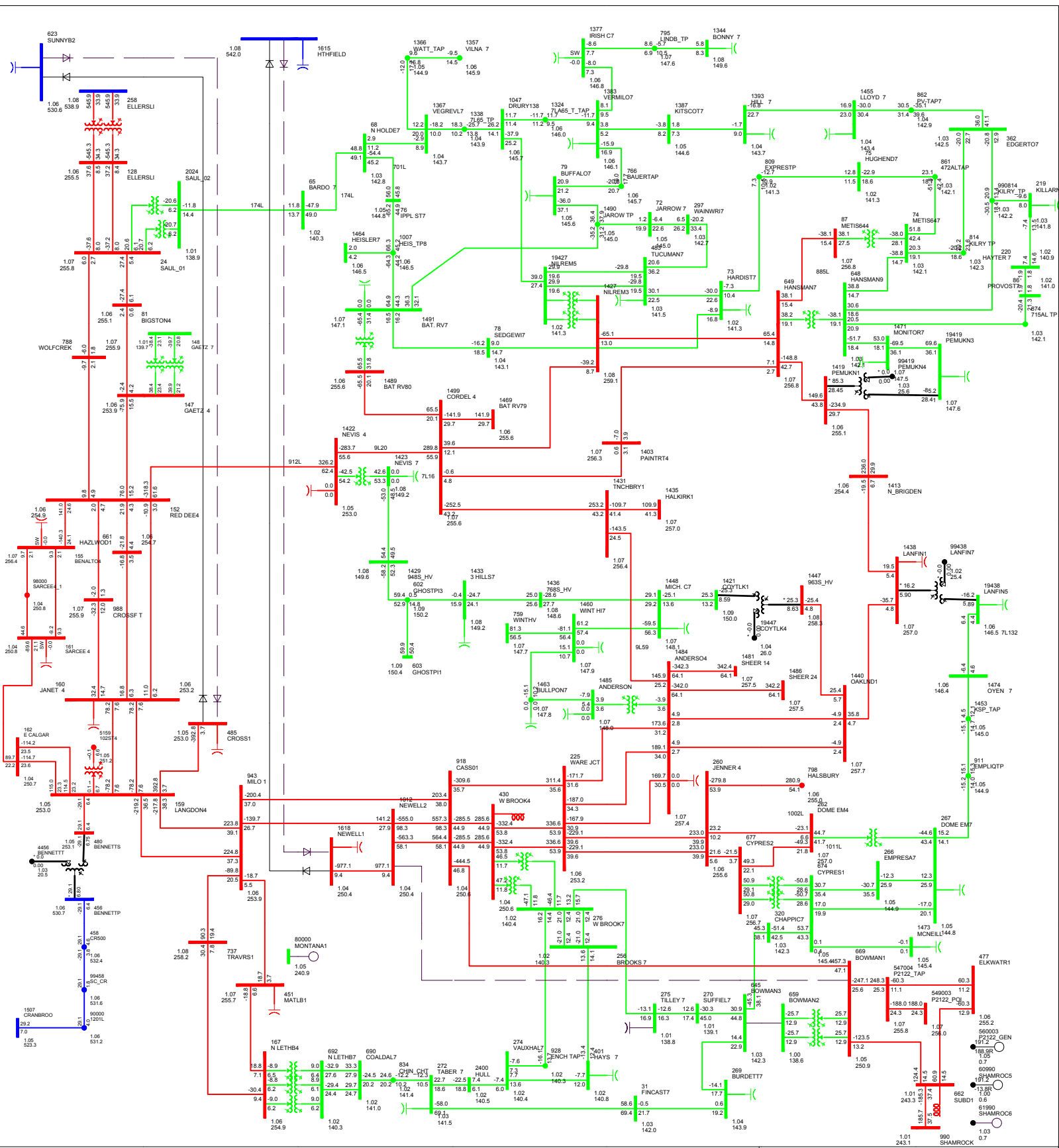
P7001 Central East Transfer Out Transmission Development
 New Generation in Study Area and SW Sub-region
 South East: 572.0 MW Central East: 0.0 MW South West: 0.0 MW
 FIG. A-31-YR2023SL-CASE-ME-GEN-SCV 1
 PROJECT PRE PROJECT (NO CDRK OR CETO)
 CAP. SE
 SUN JUL 12 2020 22:59
 Contingency: 52%; Trip Action: Bowman2 240138WV split

Branch Loading: >=100.0%
 kV: <=25.000 <=69.000 <=138.000 <=240.000 <=500.000
 Bus - Voltage (kV/pu) Branch - MW/Loading Equipment - MW/Loading



P7001 Central East Transfer Out Transmission Development
 New Generation in Study Area and SW Sub-region
 South East: 572.0 MW Central East: 0.0 MW South West: 0.0 MW
 FIG. A-32-VR-2023SL-CASE-ME-GEN SVI
 PROJECT PRE PROJECT (NO CDRK OR CETO)
 CAP. SE
 SUN JUL 12 2020 22:59
 Contingency: 53SL, Trip Action: Bowmanston 240138kW split

Branch Loading: >=100.0%
 kV: <=25.0 MW <=69.0 MW <=138.0 MW <=240.0 MW <=500.0 MW
 Bus - Voltage (kV/pu) Branch - MW/Loading
 Equipment - MW/Loading

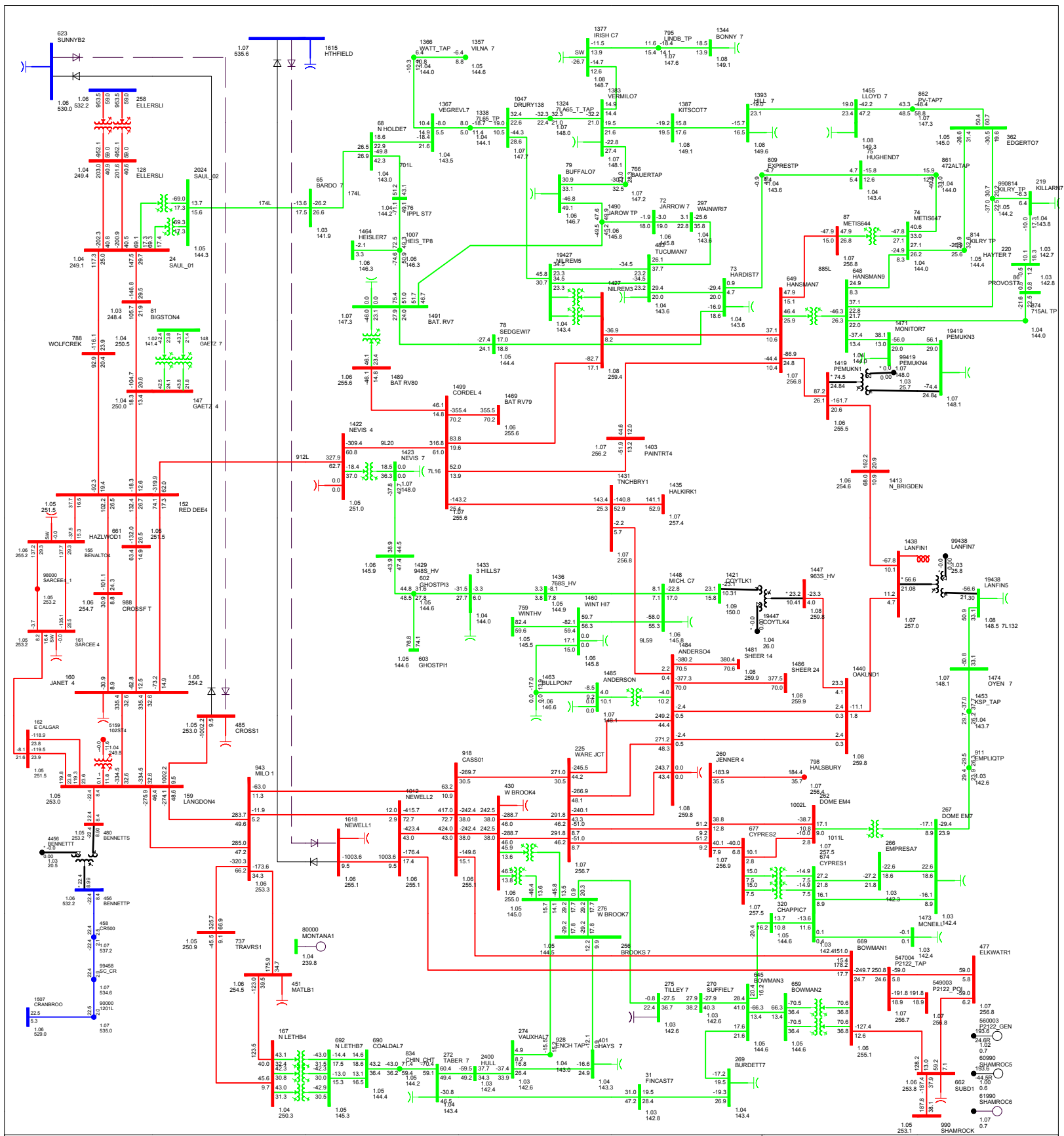


P7001 Central East Transfer Out Transmission Development
 New Generation in Study Area and SW Sub-region
 South East: 572.0 MW Central East: 0.0 MW South West: 0.0 MW

FIG. A-33-YR-2023SL-CASE-ME-GEN SVI
 PROJECT PRE PROJECT (NO CDRP OR CETO)
 CAP. SE
 SUN JUL 12 2020 22:59
 Contingency: 103SL; Trip Action: Bowman2 240/139kV split

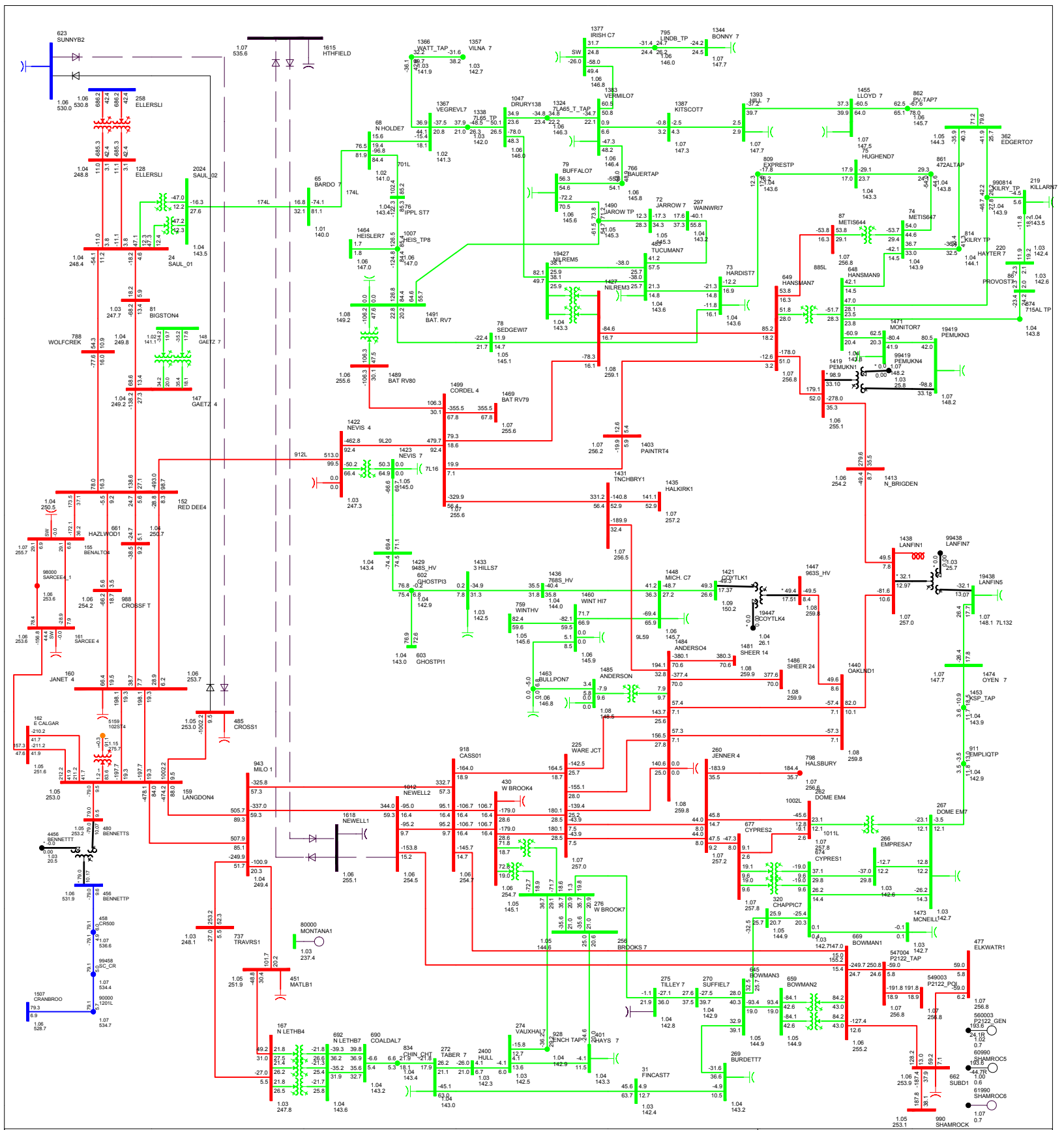
Branch Loading: **>=100.0%**
 kV: <=25.00V <=69.00V <=138.00V <=240.00V <=500.00V

Bus - Voltage (kV/pu)
 Branch - MW/Loading
 Equipment - MW/Loading



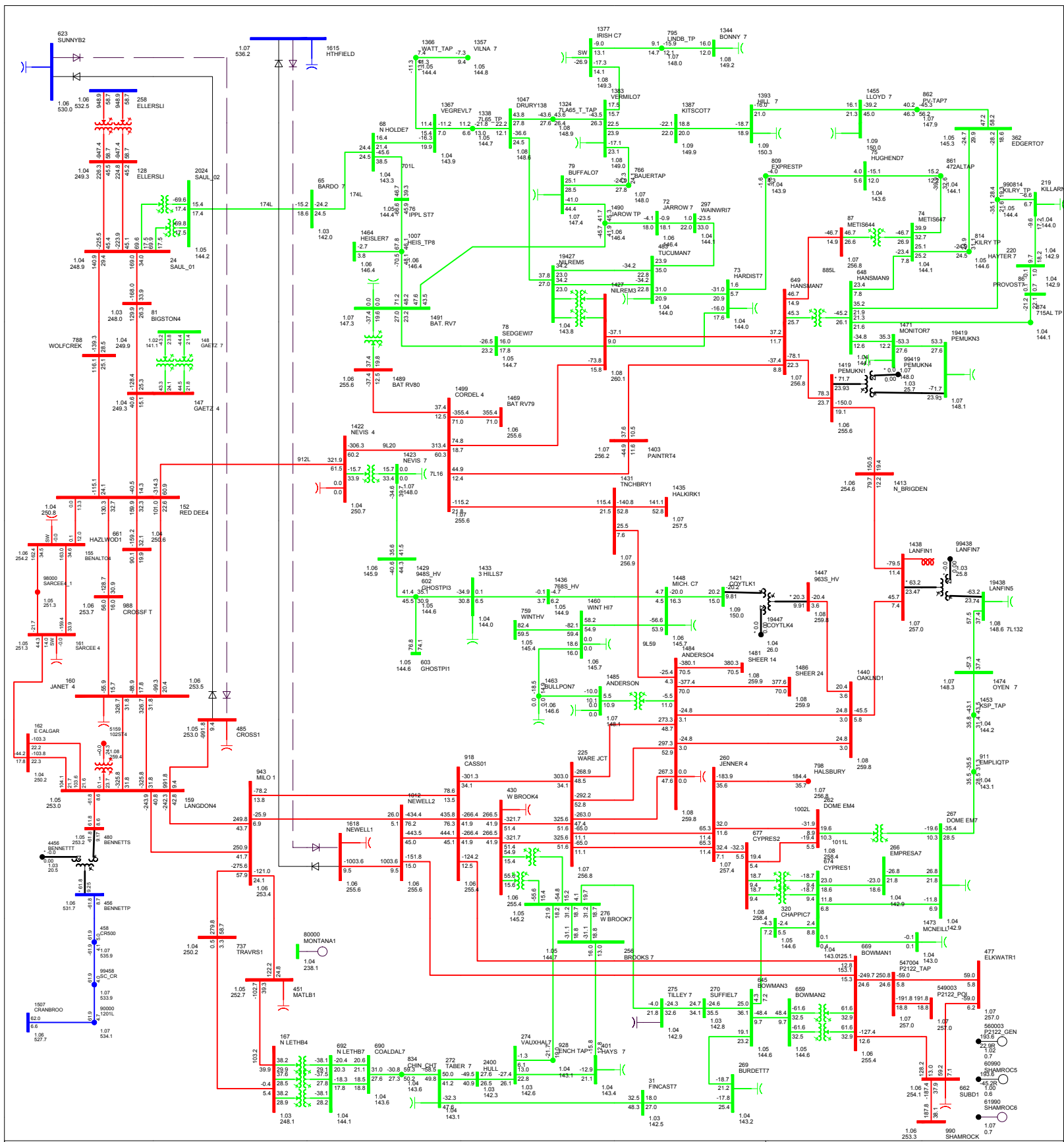
P7001 Central East Transfer Out Transmission Development
 New Generation in Study Area and SW Sub-region
 South East: 122.1 MW Central East: 7.7 MW South West: 335.7 MW
 FIG. A-34 - YR2023SP - CASE: H2 - GEN SCN 2
 PROJECT: P7001 - PROJECT (NO.03RC-DR-DET)
 CAP: MAXIMIZE
 SUN_AJL: 12/20/2023 23:04
 Contingency: Base, Trip Action: None

Branch Loading: **>=100.0%**
 kV: <=250.0 <=90.0 <=138.0 <=240.0 <=500.0
 Bus - Voltage (kV/pu) Branch - MW/Loading
 Equipment - MW/Loading



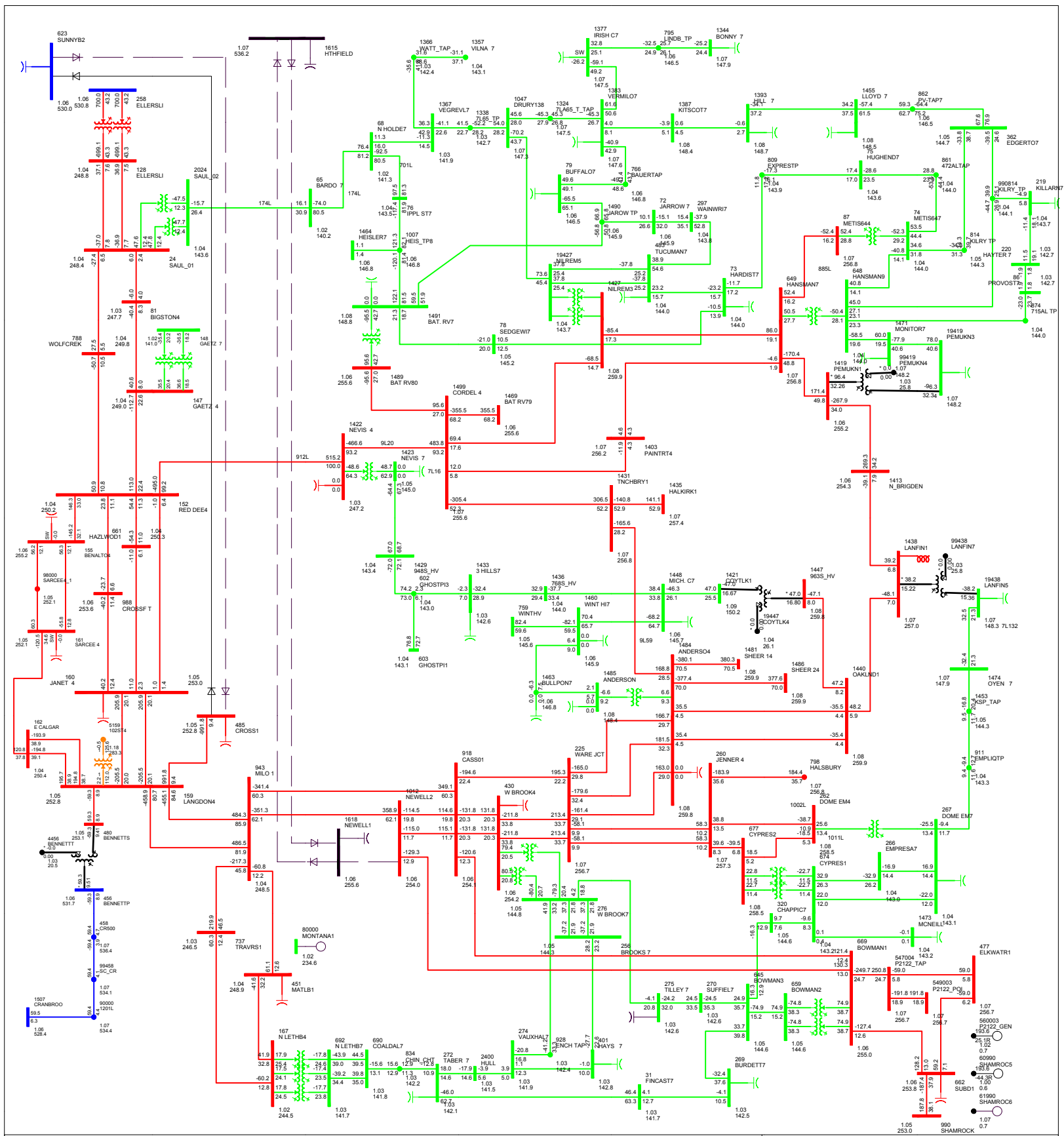
P7001 Central East Transfer Out Transmission Development
 New Generation in Study Area and SW Sub-region
 South East: 122.1 MW Central East: 7.7 MW South West: 335.7 MW
 FIG. A-35-1R-2023SP-CASE: H2-GEN SCN 2
 PROJECT: P7001-GEN PROJECT (NO. CDRK DR. CETO)
 CAP: MAXIMUM
 SUN JUL 12 2023 23:03
 Contingency: EATL; Trip Action: None

Branch Loading: >=100.0%
 kV: <=25.000 <=69.000 <=138.000 <=240.000 <=500.000
 Bus - Voltage (kV/pu) Branch - MW/Loading
 Equipment - MW/Loading



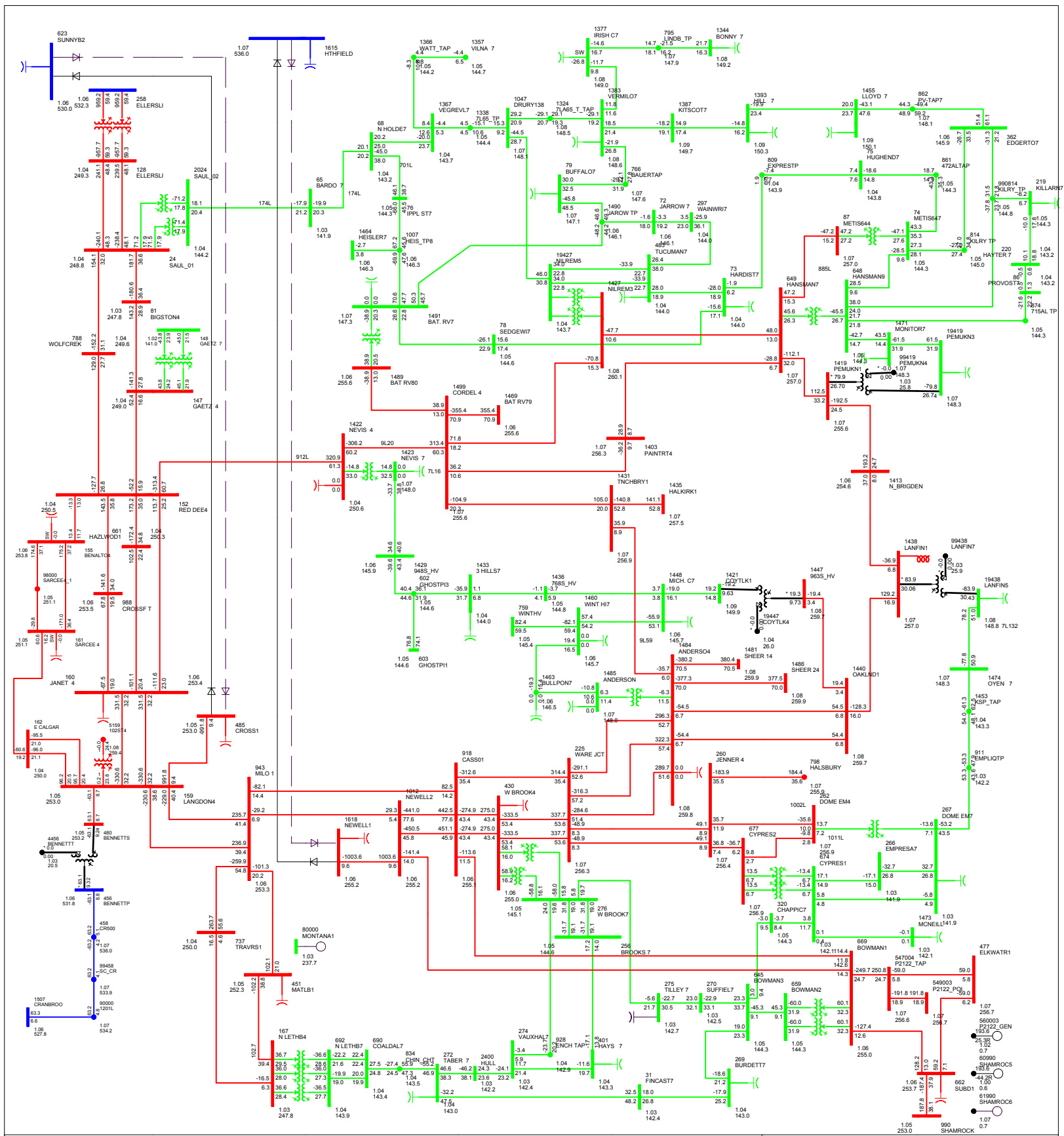
P7001 Central East Transfer Out Transmission Development
 New Generation in Study Area and SW Sub-region
 South East: 98.4 MW Central East: 74.2 MW South West: 98.4 MW
 FIG. A-36 - YR 2023 SSP - CASE: H2 - GEN SVN Z2
 PROJECT: PSE PROJECT (NO OBRG DR DETO)
 CAP. EQUALIZE
 SUN JUL 12 2022 23:10
 Contingency: Base, Trip Action: None

Branch Loading: >=100.0% >=90.0% >=80.0% >=70.0% <=60.0%
 kV: <=250.0 <=138.0 <=138.0 <=240.0 <=500.0
 Bus - Voltage (kV/pu) Branch - MW/Loading Equipment - MW/Loading



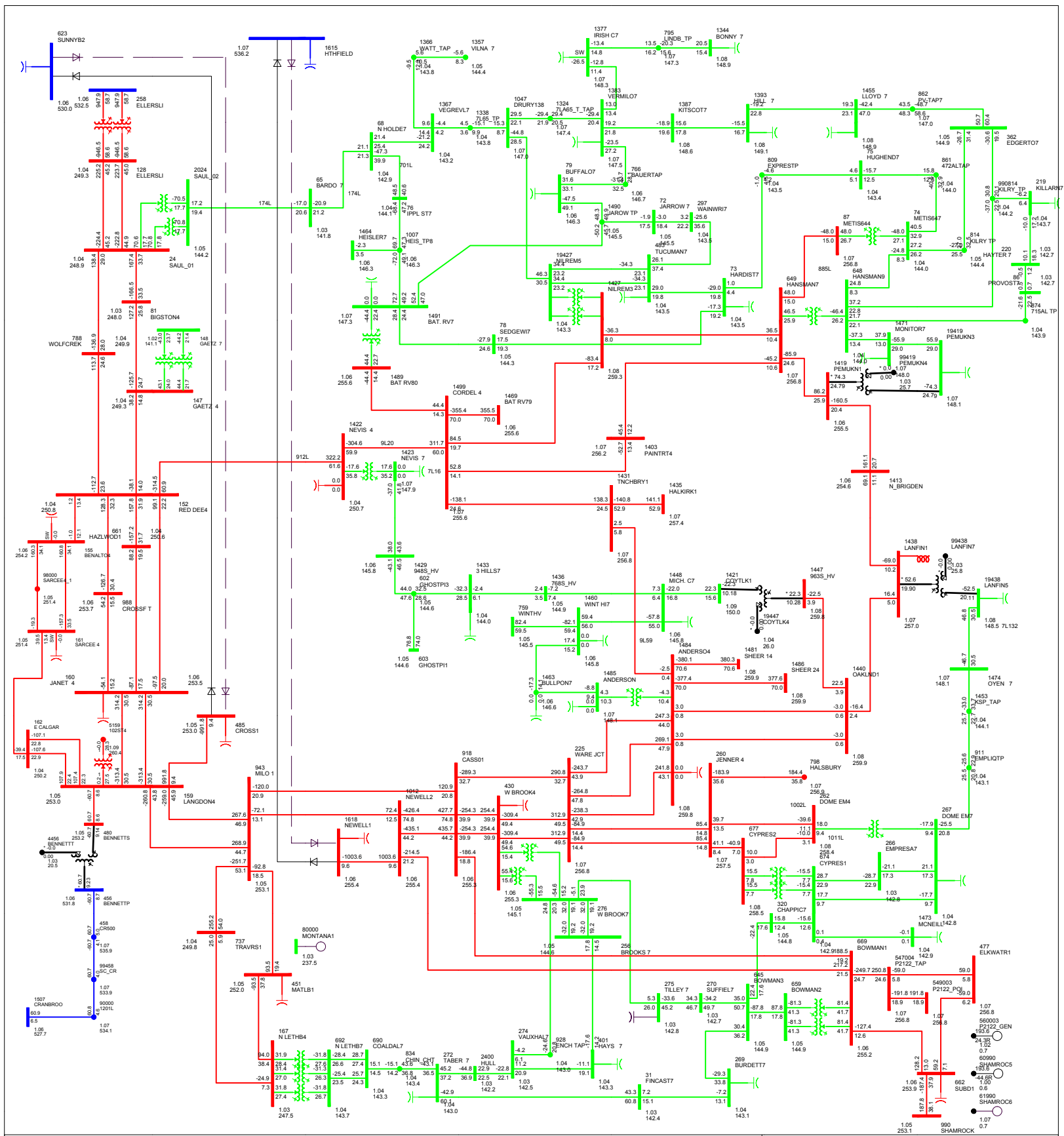
P7001 Central East Transfer Out Transmission Development
 New Generation in Study Area and SW Sub-region
 South East: 98.4 MW Central East: 74.2 MW South West: 98.4 MW
 FIG. A-37: YR 2023 SSP - CASE: H2 - GEN SCN 2
 PROJECT: PSE PROJECT (NO OBRK DR DETO)
 CAP: EQUALIZE
 SUN JUL 12 2020 23:10
 Contingency: EATL; Trip Action: None

Branch Loading: >=100.0%
 kV: <=25.000 <=69.000 <=138.000 <=240.000 <=500.000
 Bus - Voltage (kV/pu) Branch - MW/Loading
 Equipment - MW/Loading



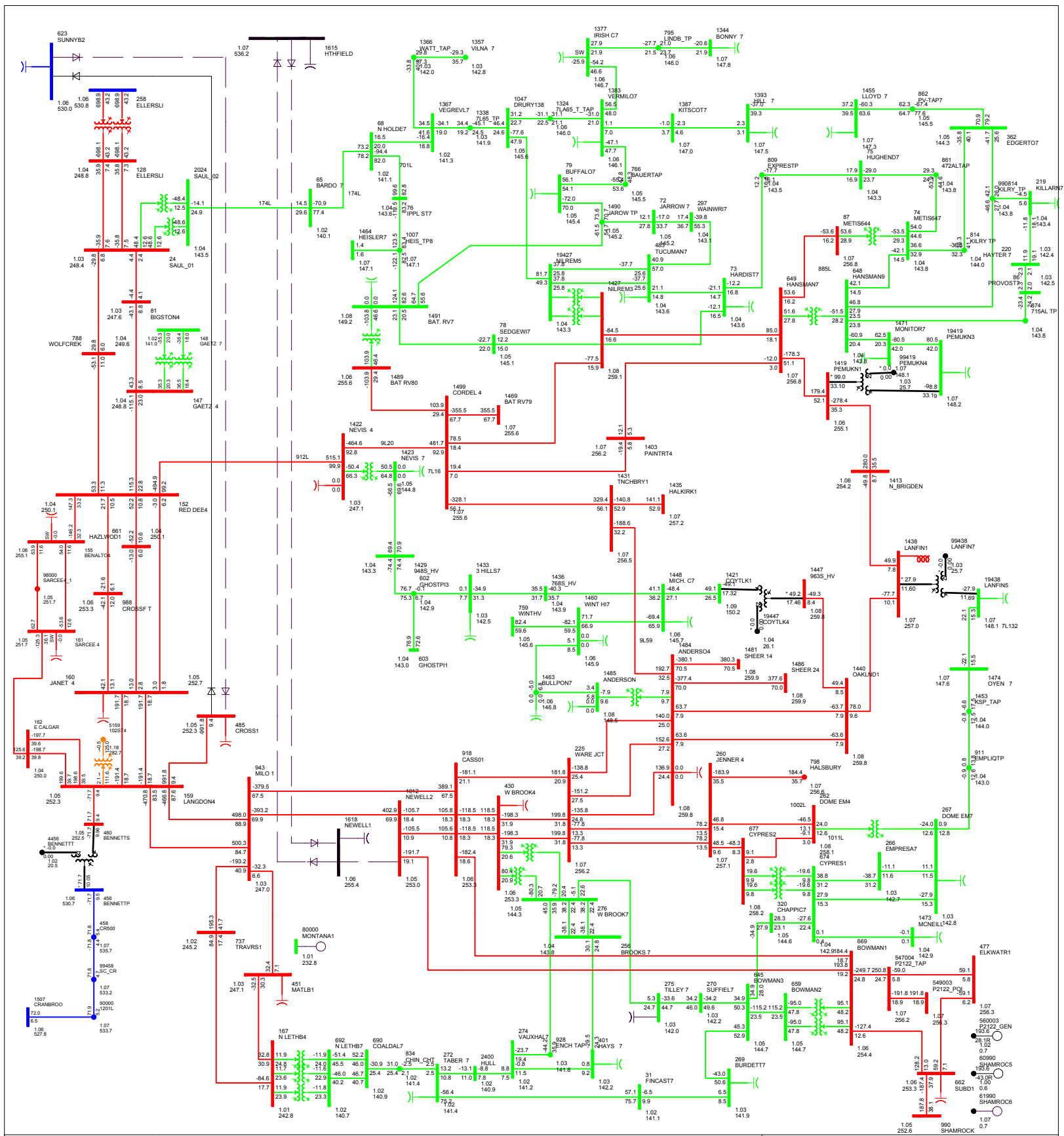
P7001 Central East Transfer Out Transmission Development
 New Generation in Study Area and SW Sub-region
 South East: 0.0 MW Central East: 178.6 MW South West: 0.0 MW
 FIG. A-38 YR2023SP-CASE: H2_GEN_SCN 2
 PROJECT: PRE PROJECT (NO OPRC DR DETO)
 CAP: CE
 SUN JUL 12 2020 23:05
 Contingency: Base, Trip Action: None

Branch Loading: >=100.0%
 kV: <=250.0 <=9.00 <=138.00 <=240.00 <=500.00 Bus - Voltage (kV/pu)
 Branch - MW/Loading Equipment - MW/Loading



P7001 Central East Transfer Out Transmission Development
 New Generation in Study Area and SW Sub-region
 South East: 275.2 MW Central East: 0.0 MW South West: 0.0 MW
 FIG. A-40_VR-2023SP_CAS2_H2_GEN_SCN 2
 PROJECT PRE PROJECT (NO OPRC DR DETO)
 CAP. SE
 SUN JUL 12 2020 22:59
 Contingency: Base, Trip Action: None

Branch Loading: >=100.0%
 kV: <=25.000 <=69.000 <=138.000 <=240.000 <=500.000
 Bus - Voltage (kV/pu) Branch - MW/Loading
 Equipment - MW/Loading

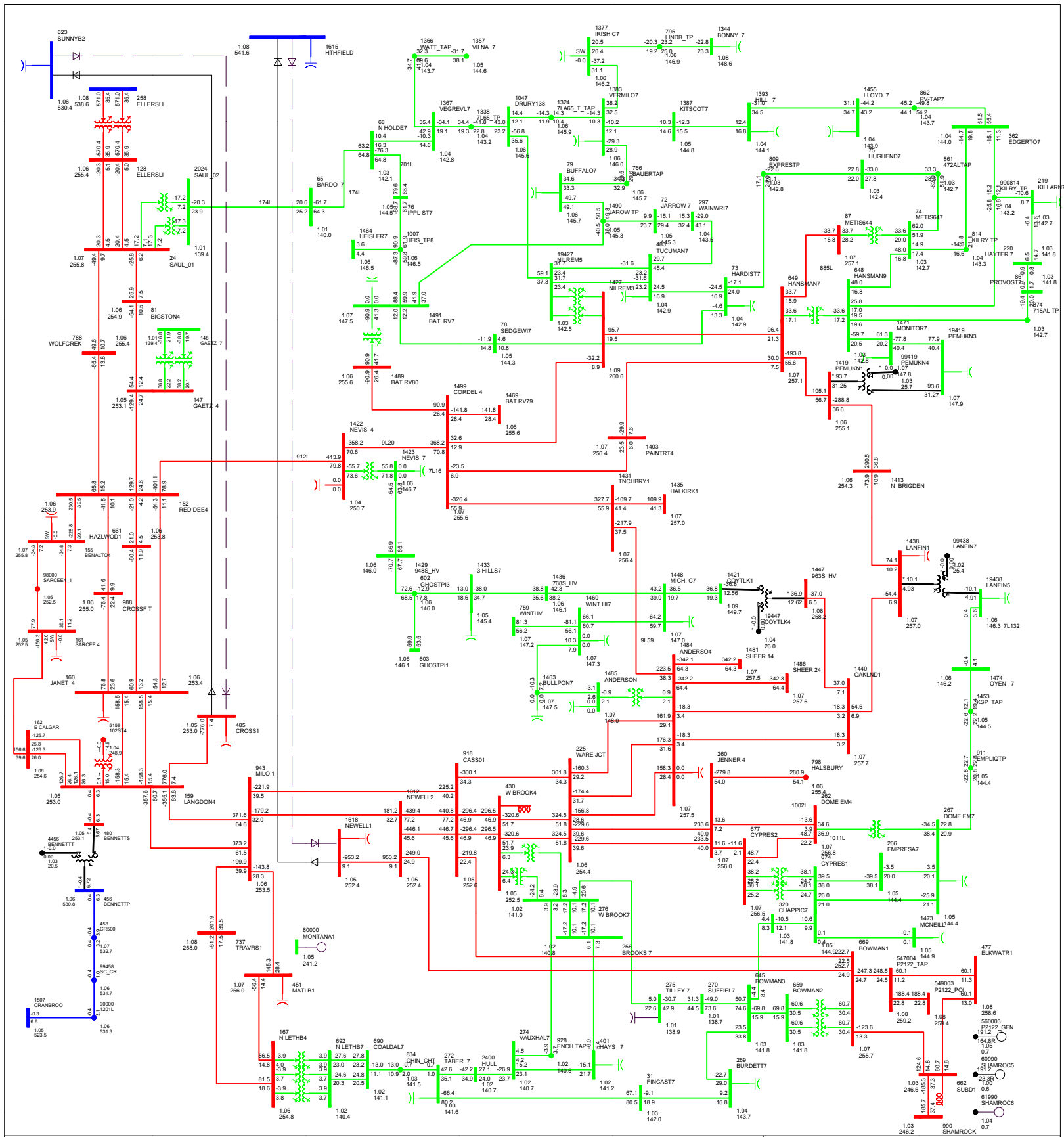


P7001 Central East Transfer Out Transmission Development

New Generation in Study Area and SW Sub-region
 South East: 275.2 MW Central East: 0.0 MW South West: 0.0 MW
 FIG. A-1: YR-2023SP-CASE: H2-GEN SV2
 PROJECT PRE PROJECT (NO CIRC DR DETO)
 CAP. SE
 SUN JUL 12 2020 22:59
 Contingency: EATL; Trip Action: None

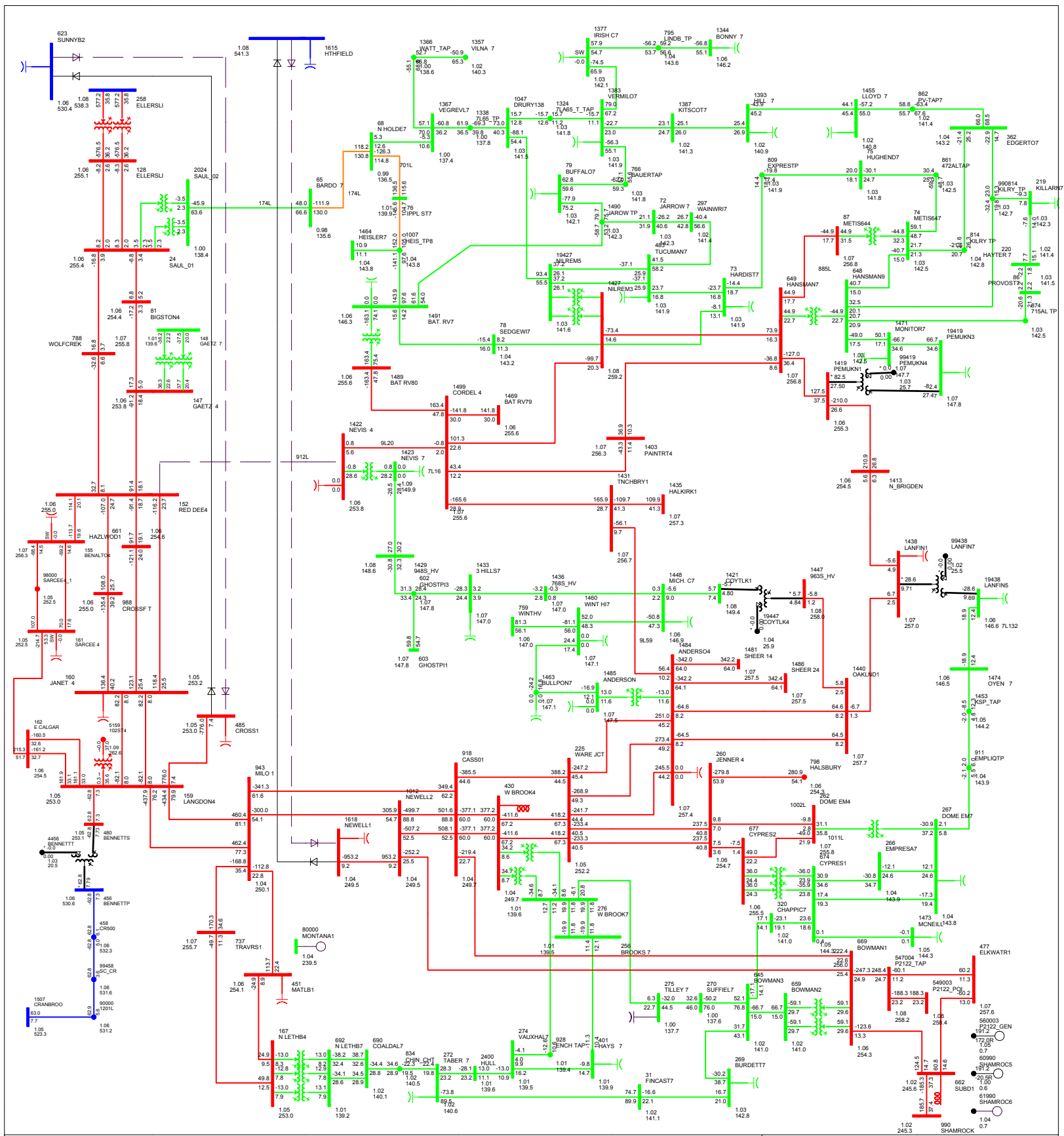
Branch Loading: >=100.0%
 kV: <=25.000 <=69.000 <=138.000 <=240.000 <=500.000

Bus - Voltage (kV/pu) Branch - MW/Loading
 Equipment - MW/Loading



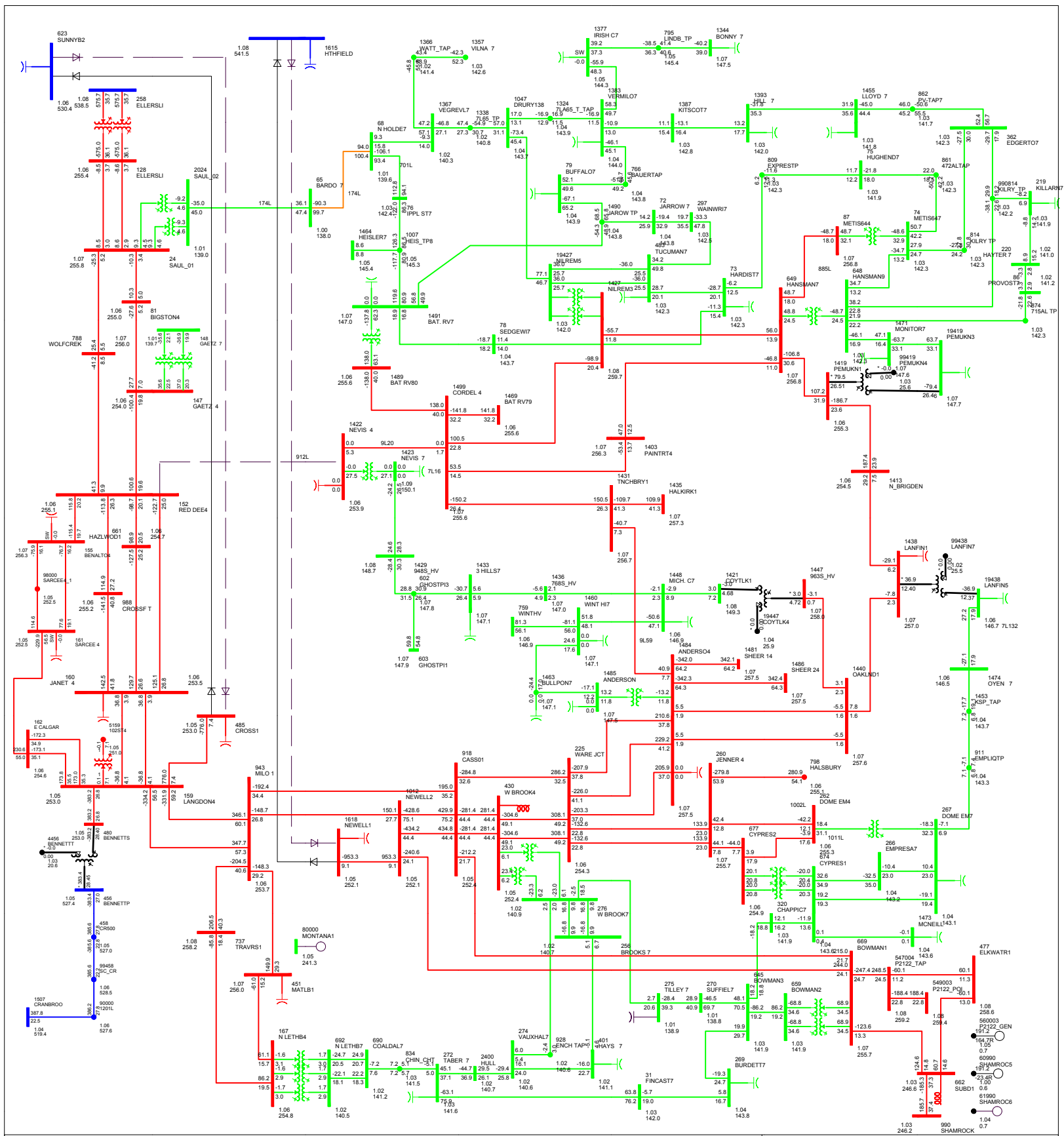
P7001 Central East Transfer Out Transmission Development
 New Generation in Study Area and SW Sub-region
 South East: 703.0 MW Central East: 57.5 MW South West: 686.3 MW
 FIG. A-42: YR-2023SL: CASE: M5: GEN SCN 1
 PROJECT: PRE PROJECT (NO CRPC OR DETO)
 CAP: MAXIMIZE
 MON: JUL 19 2023 10:19
 Contingency: Base
 Trip Action: None
 Connected/Not Applied

Branch Loading: >=100.0%
 kV: <=25.000 <=69.000 <=138.000 <=240.000 <=500.000
 Bus - Voltage (kV/pu) Branch - MW/Loading Equipment - MW/Loading



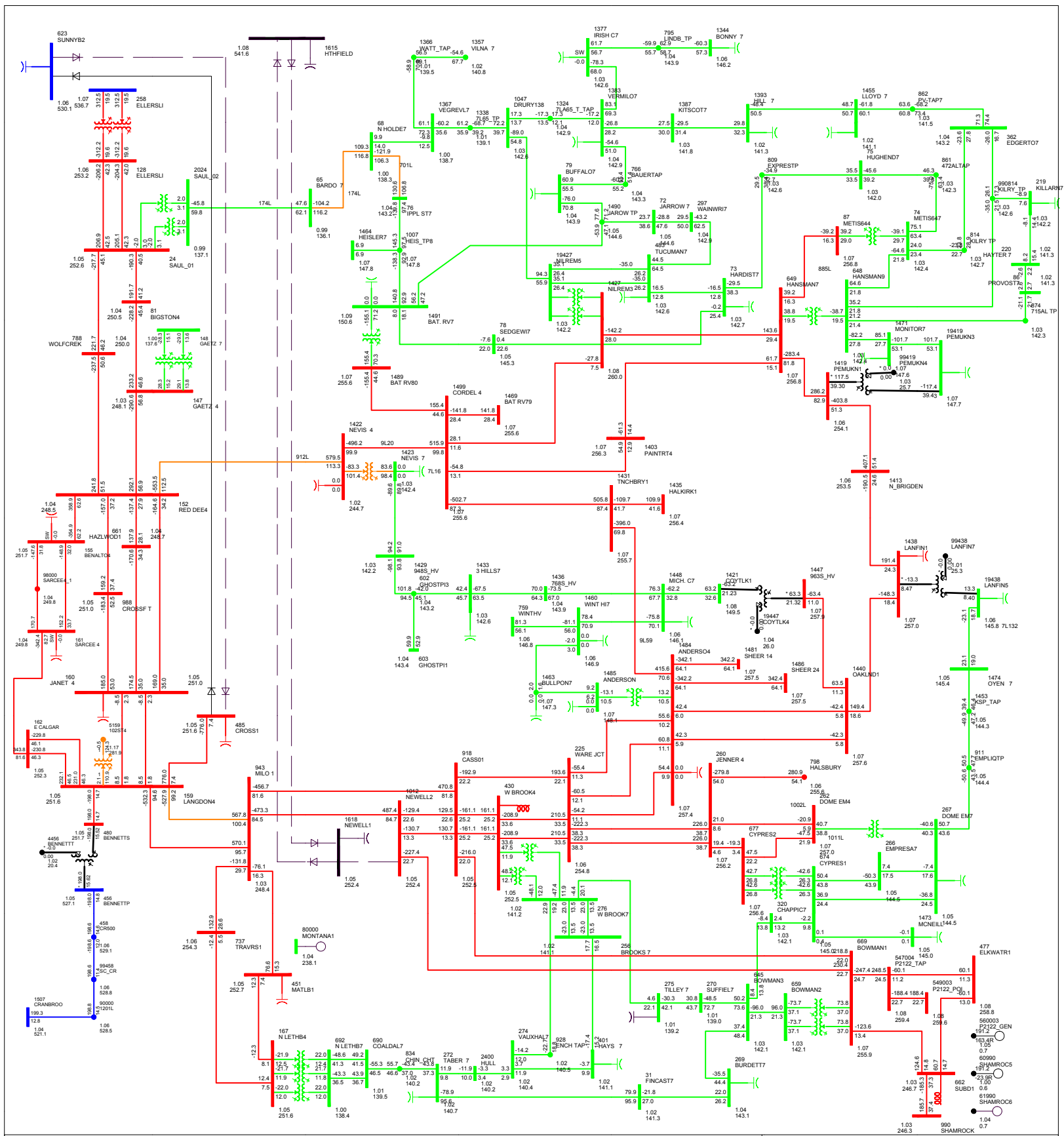
P7001 Central East Transfer Out Transmission Development
 New Generation in Study Area and SW Sub-region
 South East: 703.0 MW Central East: 57.5 MW South West: 686.3 MW
 FIG. A-43.01 (R-2023)S1 CASE: MS_GEN_SCN 1
 PROJECT: PRE PROJECT (NO CRPC OR DETO)
 CAP: MAXIMIZE
 MON. JUL 13 2020 10:19
 Contingency: 332 1422 12
 Trip Action: None
 Connected/Not Applied

Branch Loading: >=100.0% >=90.0% >=80.0% <=70.0% <=60.0%
 kV: <=25.00 <=69.00 <=138.00 <=240.00 <=500.00
 Bus - Voltage (kV/pu) Branch - MW/Loading Equipment - MW/Loading



P7001 Central East Transfer Out Transmission Development
 New Generation in Study Area and SW Sub-region
 South East: 319.1 MW Central East: 0.9 MW South West: 686.3 MW
 FIG. A-43.02 FIG. A-43.01 YR2023SL CASE M5 GEN SEN 1
 PROJECT: PRE PROJECT (NO CRPC OR CETO)
 CAP: MAXIMIZE
 MON. JUL 13 2020 10:19
 Contingency: 152 1422 12
 Trip Action: None
 GenMech: N6-130 CPRS-114 OKLD-121LNF-29.EDGN-20 Total: 440 MW

Branch Loading: >=100.0%
 kV: <=25.000 <=69.000 <=138.000 <=240.000 <=500.000
 Bus - Voltage (kV/pu) Branch - MW/Loading Equipment - MW/Loading

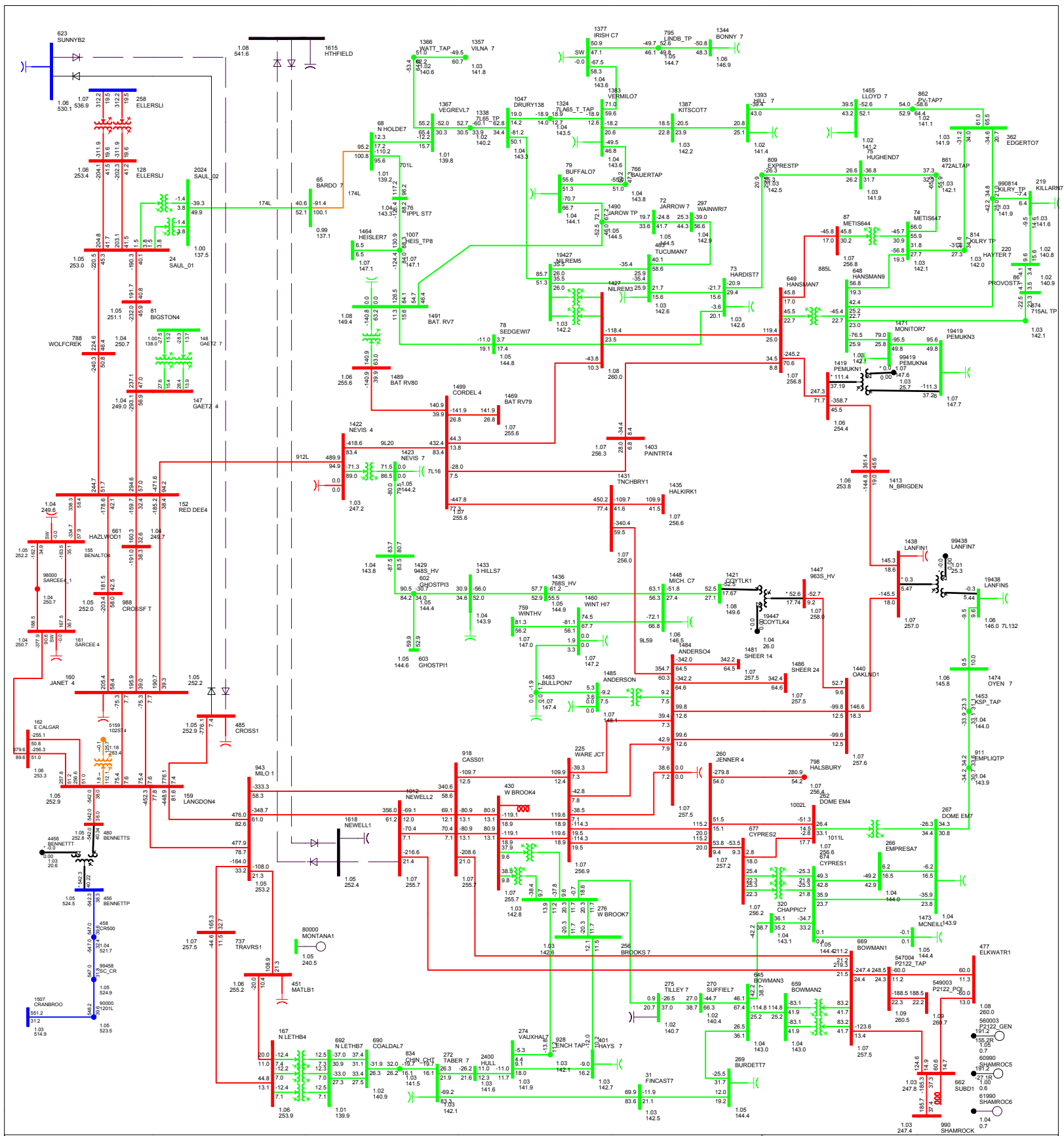


P7001 Central East Transfer Out Transmission Development

New Generation in Study Area and SW Sub-region
 South East: 703.0 MW Central East: 57.5 MW South West: 686.3 MW
 FIG. A-44.01.1R-2023.01 CASE M5 GEN SCN 1
 PROJECT: PRE PROJECT (NO CRPC OR DETO)
 CAP: MAXIMIZE
 MON. JUL 19 2020 10:19
 Contingency: SA1
 Trip Action: None
 Connected: Not Applied

Branch Loading: $\geq 100.0\%$
 kV: < 25.000 < 69.000 < 138.000 < 240.000 < 500.000

Bus - Voltage (kV/pu) Branch - MW/Loading Equipment - MW/Loading

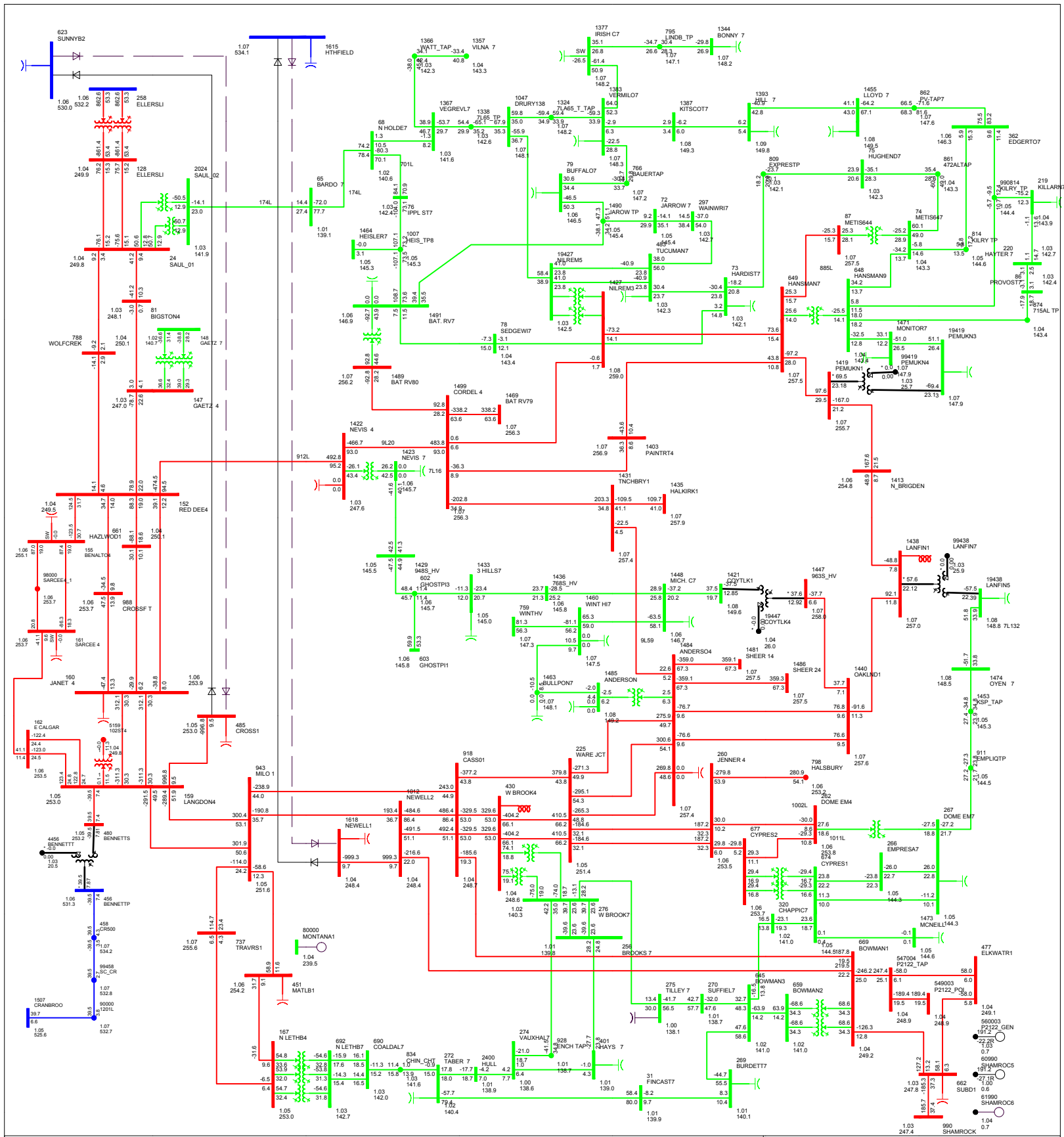


P7001 Central East Transfer Out Transmission Development

New Generation in Study Area and SW Sub-region
 South East: 300.4 MW Central East: 0.9 MW South West: 686.3 MW
 FIG. A-44.02 FIG. A-44.01 3R-2023SL CASE M5 GEN SCN 1
 PROJECT: PRE PROJECT (NO CRPC OR DETO)
 CAP: MAXIMIZE
 MON. JUL 19 2020 10:19
 Contingency: S-11
 Trip Action: L274 BC 038V Trip
 Connection: N-180 CPIS-114 OKLD-129 LFN-29 EDGN-28 Total: 459 MW

Branch Loading: >=100.0%
 kv: <=25.00 <=69.00 <=138.00 <=240.00 <=500.00

Bus - Voltage (kV/pu) Branch - MW/Loading
 Equipment - MW%/Loading

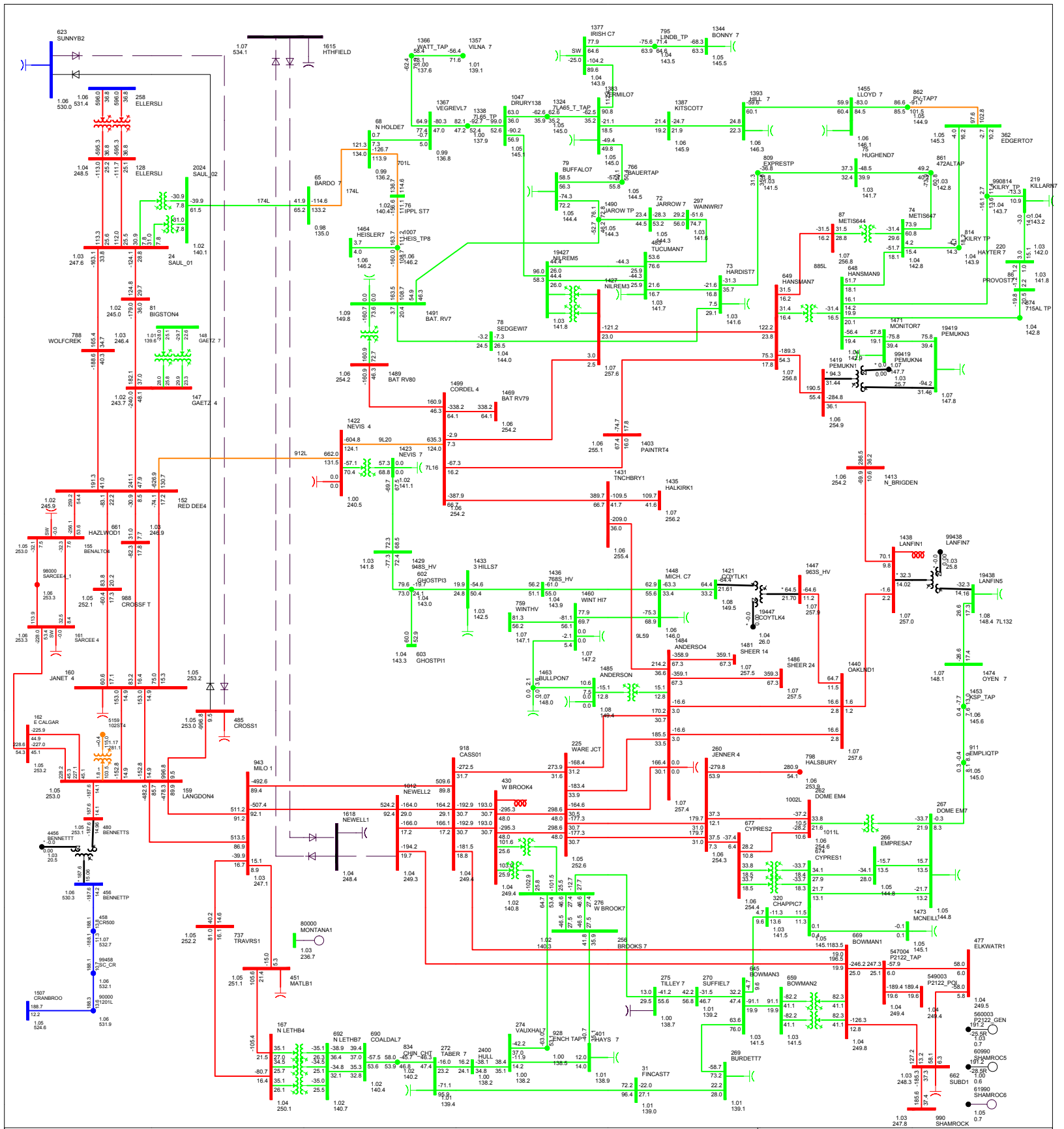


P7001 Central East Transfer Out Transmission Development

New Generation in Study Area and SW Sub-region
 South East: 504.4 MW Central East: 488.2 MW South West: 436.9 MW
 FIG. A-45: YR-2023SP; CASE: MA; GEN SCN 1
 PROJECT: PRE PROJECT (NO CRPC OR DETO)
 CAP: EQUILIB
 MON. JUL 19 2023 10:18
 Contingency: Base
 Trip Action: None
 Connected/Not Applied

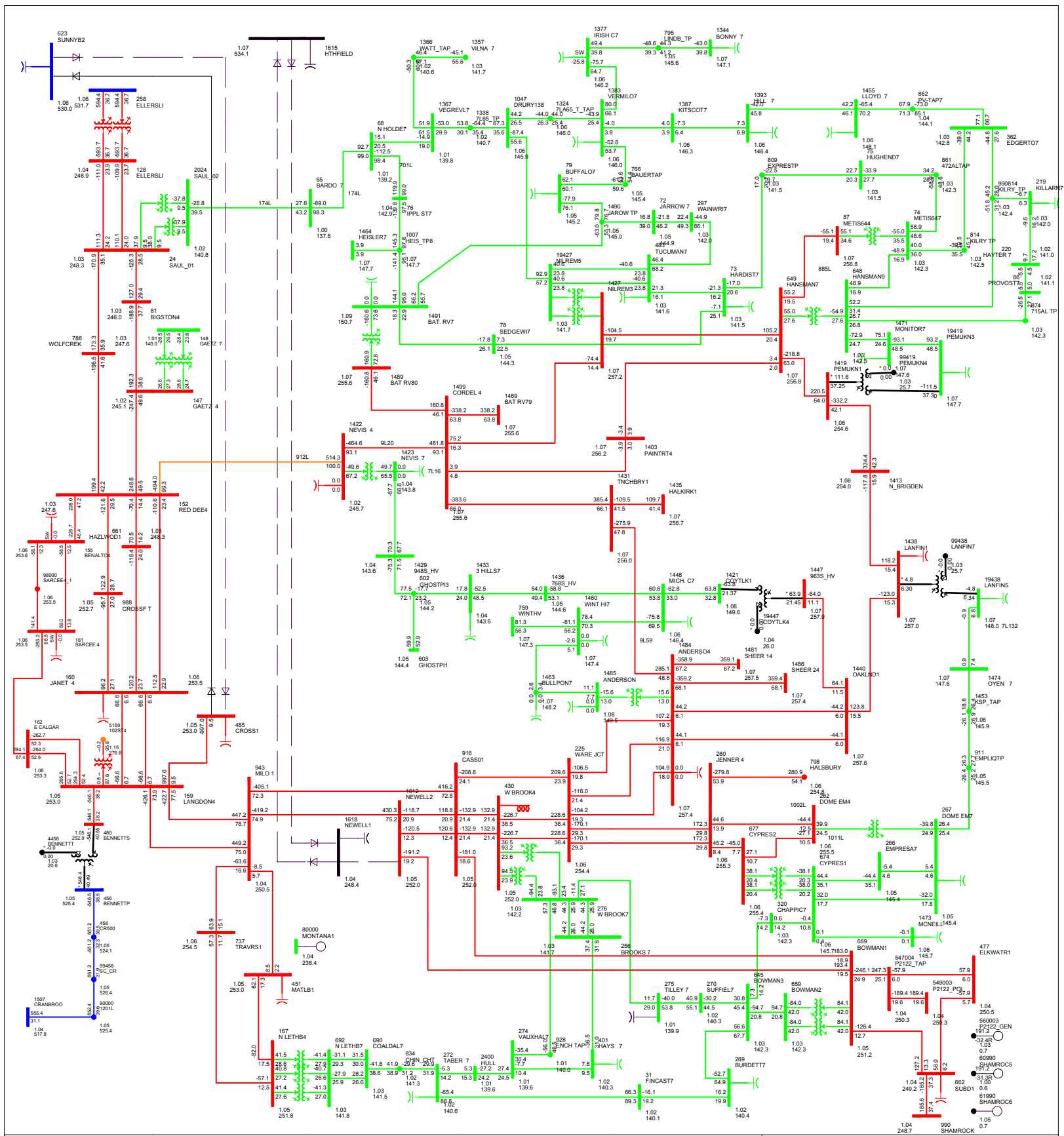
Branch Loading: >=100.0%
 kV: <=25.000 <=69.000 <=138.000 <=240.000 <=500.000

Bus - Voltage (kV/pu)
 Branch - MW/Loading
 Equipment - MW/Loading



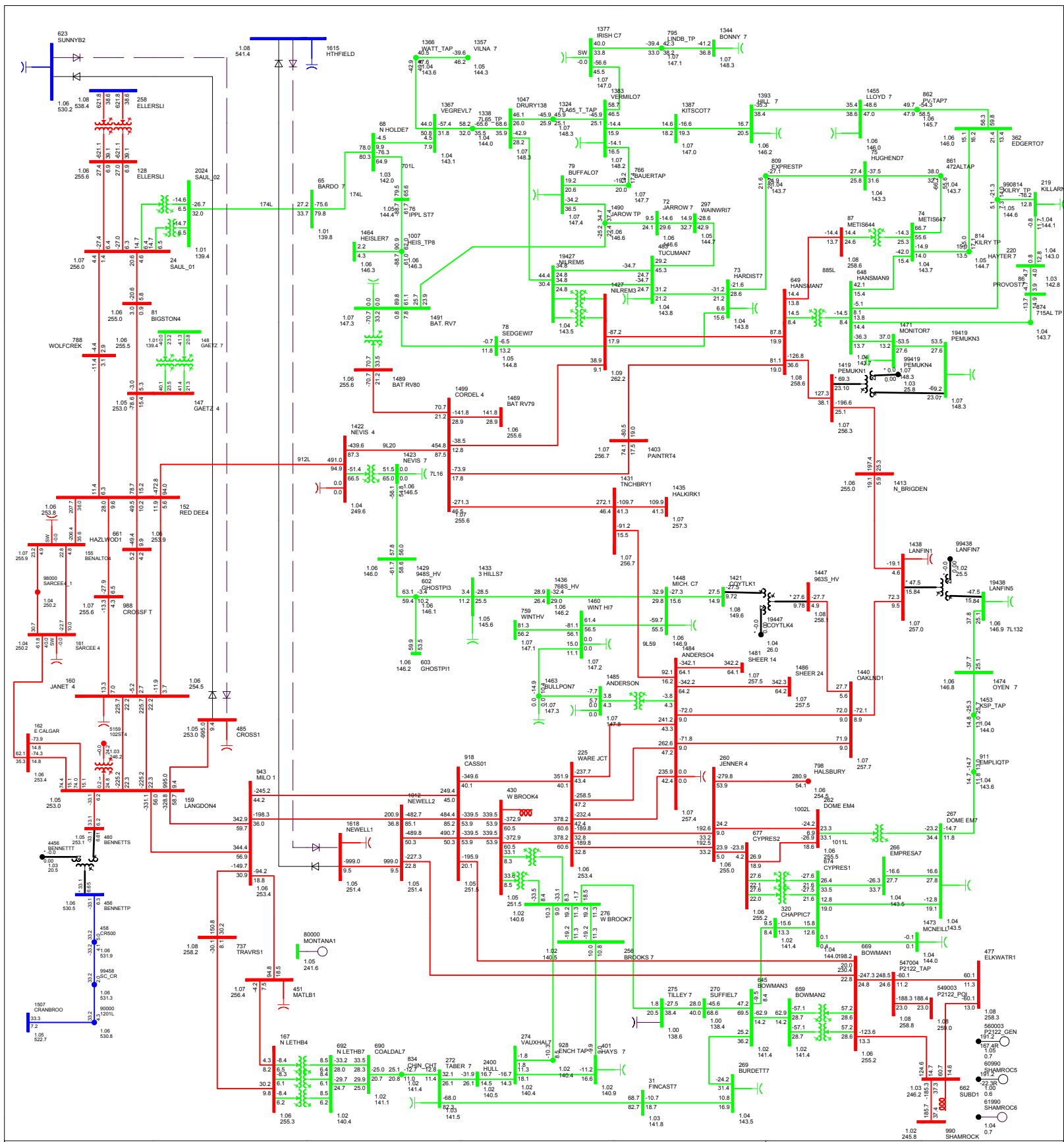
P7001 Central East Transfer Out Transmission Development
 New Generation in Study Area and SW Sub-region
 South East: 504.4 MW Central East: 488.2 MW South West: 436.9 MW
 FIG. A-46.01.1R-2023SP; CASE: M4; GEN SCN 1
 PROJECT: PRE PROJECT (NO CRPC OR DETO)
 CAP: EQUILIBRE
 MON: JUL 19 2020 10:18
 Contingency: S.A.T.
 Trip Action: None
 Connected/Not Applied

Branch Loading: >=100.0%
 kV: <=25.00 <=69.00 <=138.00 <=240.00 <=500.00
 Bus - Voltage (kV/pu) Branch - MW/Loading
 Equipment - MW/Loading



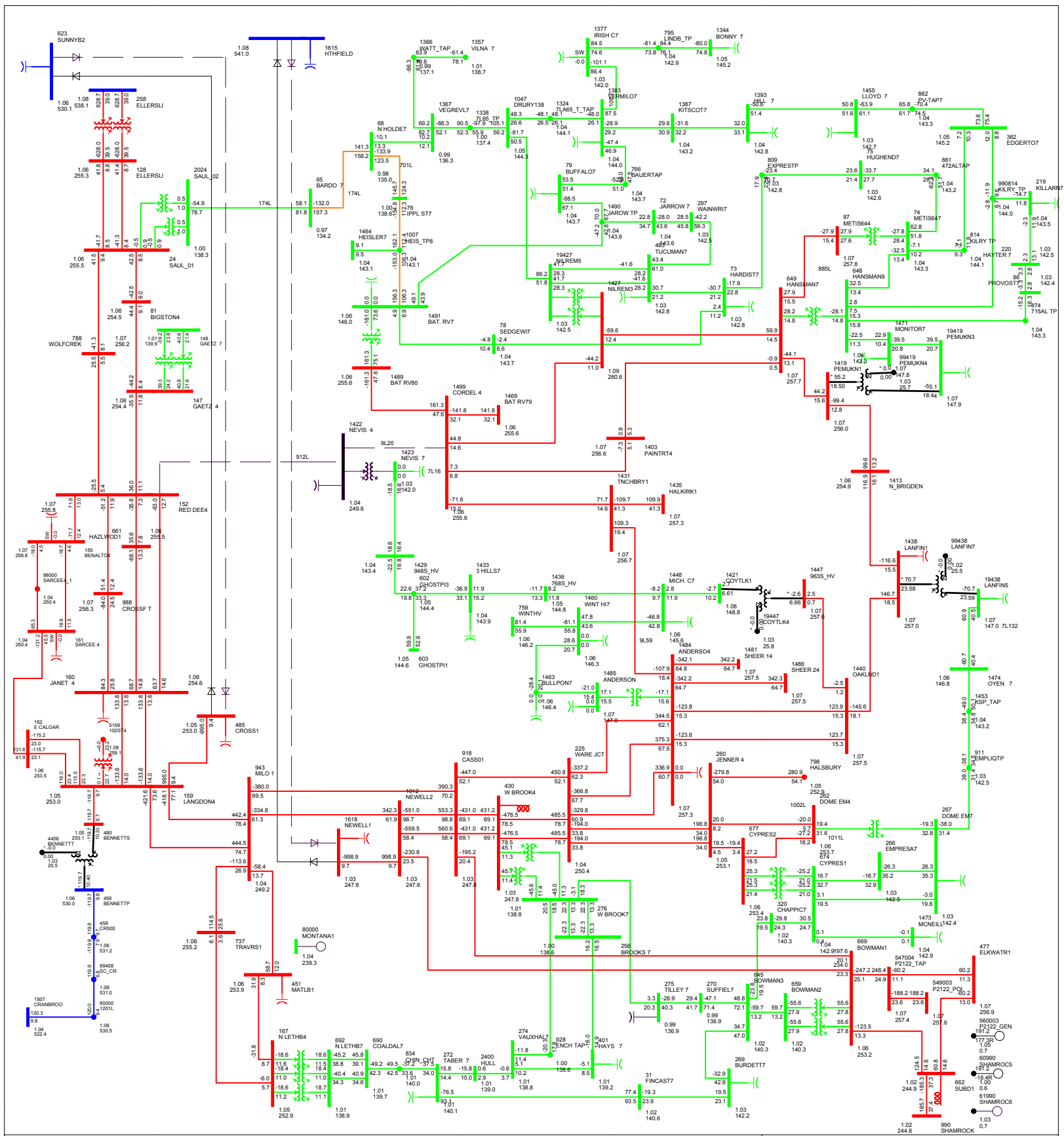
P7001 Central East Transfer Out Transmission Development
 New Generation in Study Area and SW Sub-region
 South East: 504.4 MW Central East: 24.1 MW South West: 436.9 MW
 FIG. A-46.02 FIG. A-46.01 3R-2023SP; CASE: M4; GEN: SCN 1
 PROJECT: PRE PROJECT (NO CRPC OR DETO)
 CAP: EQUIVALE
 MON. JUL 19 2020 10:18
 Contingency: SA11
 Tip Action: L74 BC 138V TP
 Gen: 6990836-71; Ticks: 71; NLR: 101; NLR-71; DRURY-48; EDG: 88; Total: 464 MW

Branch Loading: >=100.0%
 kV: <=25.000 <=69.000 <=138.000 <=240.000 <=500.000 Bus - Voltage (kV/pu)
 Branch - MW/Loading
 Equipment - MW%/Loading



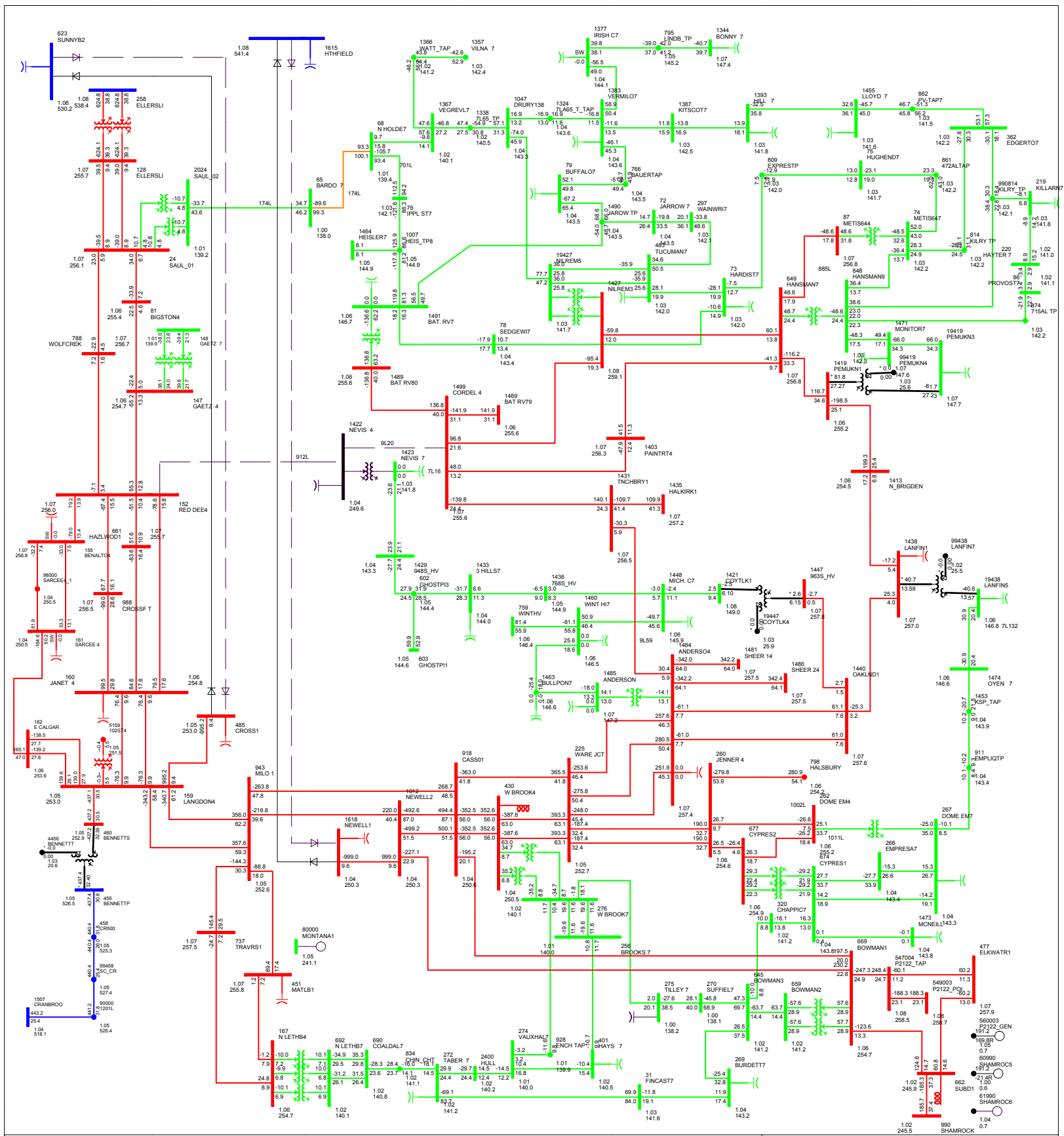
P7001 Central East Transfer Out Transmission Development
 New Generation in Study Area and SW Sub-region
 South East: 504.4 MW Central East: 488.2 MW South West: 436.9 MW
 FIG. A-47. YR.2023SL; CASE: M5; GEN SCN 1
 PROJECT: PRE PROJECT (NO CRPC OR DETO)
 CAP: EQUILIB
 MON. JUL 13 2020 10:18
 Contingency: Base
 Trip Action: None
 Connected/Not Applied

Branch Loading: >=100.0%
 kV: <=25.000 <=69.000 <=138.000 <=240.000 <=500.000 Bus - Voltage (kV/pu)
 Branch - MW/Loading
 Equipment - MW/Loading



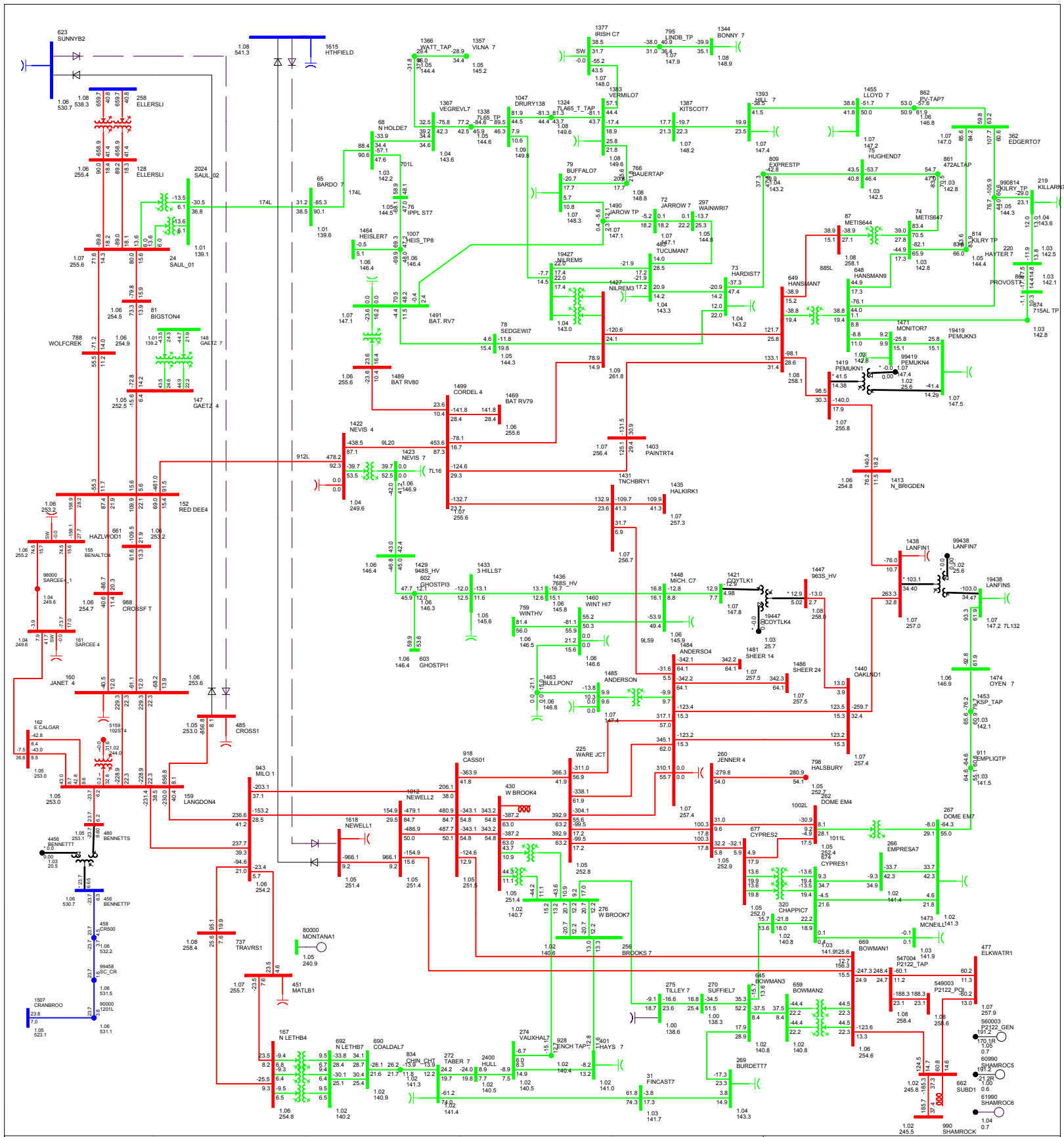
P7001 Central East Transfer Out Transmission Development
 New Generation in Study Area and SW Sub-region
 South East: 504.4 MW Central East: 488.2 MW South West: 436.9 MW
 FIG. A-48.01.1R-2023SL; CASE: M5; GEN: SCN 1
 PROJECT: PRE PROJECT (NO CRPC OR CETO)
 CAP: EQUILIBRE
 MON. JUL. 19 2023 10:18
 Contingency: 0.66666667
 Trip Action: None
 Connected: Not Applied

Branch Loading: >=100.0%
 kV: <=25.000 <=69.000 <=138.000 <=240.000 <=500.000 Bus - Voltage (kV/pu)
 Branch - MW/Loading
 Equipment - MW/Loading



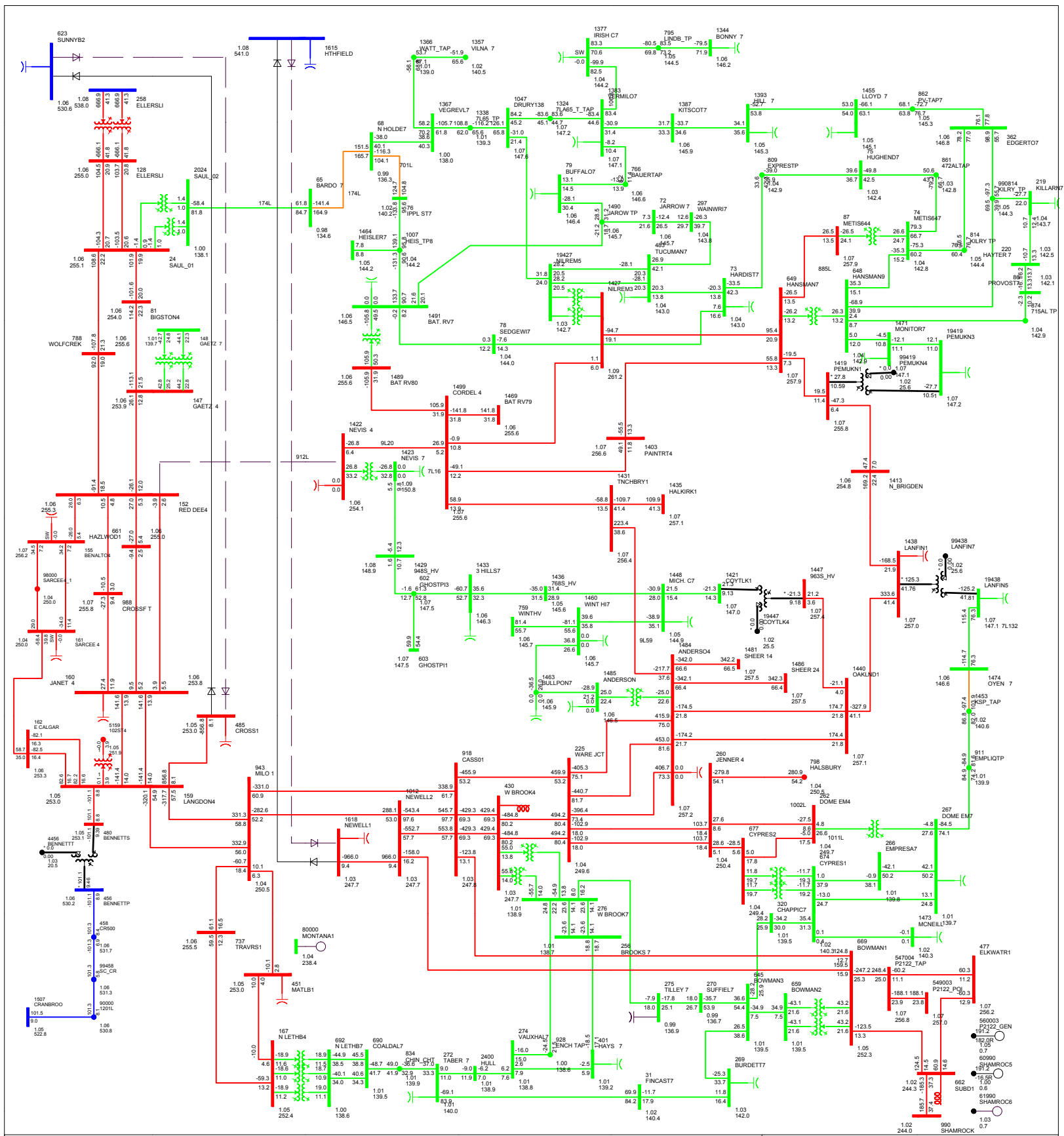
P7001 Central East Transfer Out Transmission Development
 New Generation in Study Area and SW Sub-region
 South East: 504.4 MW Central East: 49.0 MW South West: 436.9 MW
 FIG. A-48.02 FIG. A-48.01 YR2023SL CASE: M5 GEN SCN 1
 PROJECT: PRE PROJECT (NO CRPC OR CETO)
 CAP: EQUAUXE
 MON. JUL 19 2023 10:18
 Contingency: 26662011
 Tip Action: L74 BC 138W TL
 Gen: 696838-71, 11638-71, LNF: 52, NLR: 71, DRURY: 72, EDON: 98, Total: 439 MW

Branch Loading: >=100.0%
 kV: <=25.000 <=69.000 <=138.000 <=240.000 <=500.000
 Bus - Voltage (kV/pu) Branch - MW/Loading
 Equipment - MW/Loading



P7001 Central East Transfer Out Transmission Development
 New Generation in Study Area and SW Sub-region
 South East: 0.0 MW Central East: 870.3 MW South West: 0.0 MW
 FIG. A-49: YR:2023SL; CASE: MS; GEN: SCN 1
 PROJECT: PRE PROJECT (NO CRPC OR DETO)
 CAP: CE
 MON: JUL 19 2020 10:20
 Contingency: Base
 Trip Action: None
 Connected: Not Applied

Branch Loading: >=100.0% >=90.0% >=80.0% <=70.0% <=60.0%
 kV: <=25.000 <=69.000 <=138.000 <=240.000 <=500.000
 Bus - Voltage (kV/pu) Branch - MW/Loading Equipment - MW/Loading

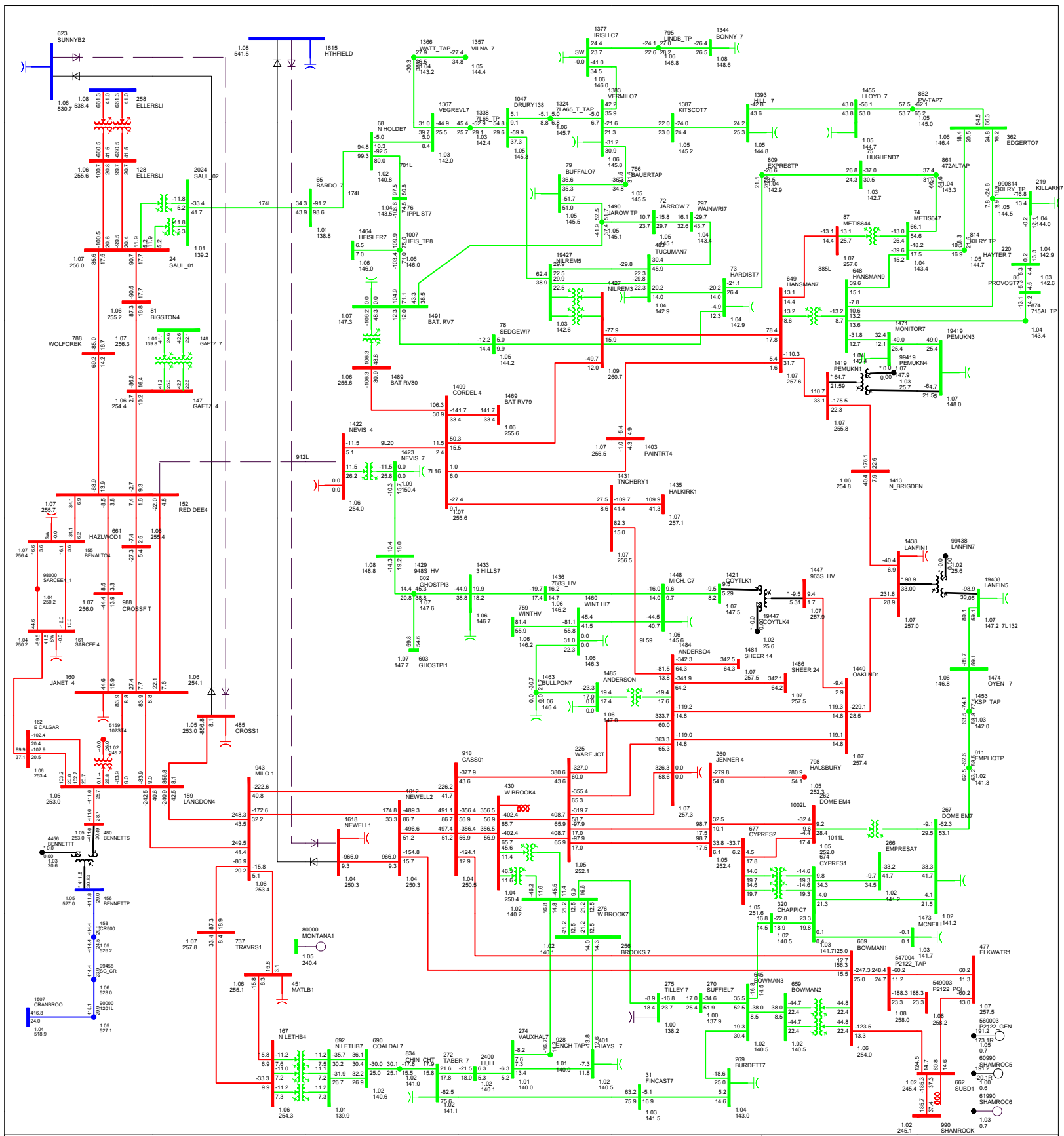


P7001 Central East Transfer Out Transmission Development

New Generation in Study Area and SW Sub-region
 South East: 0.0 MW Central East: 870.3 MW South West: 0.0 MW
 FIG. A-50.01.YR.2023.SL.CASE.MS.GEN.S1
 PROJECT: PRE PROJECT (NO CRPC OR CETO)
 CAP. CE
 MON. JUL 13 2023 10:19
 Contingency: 332 1422 12
 Trip Action: None
 GenConnect: Applied

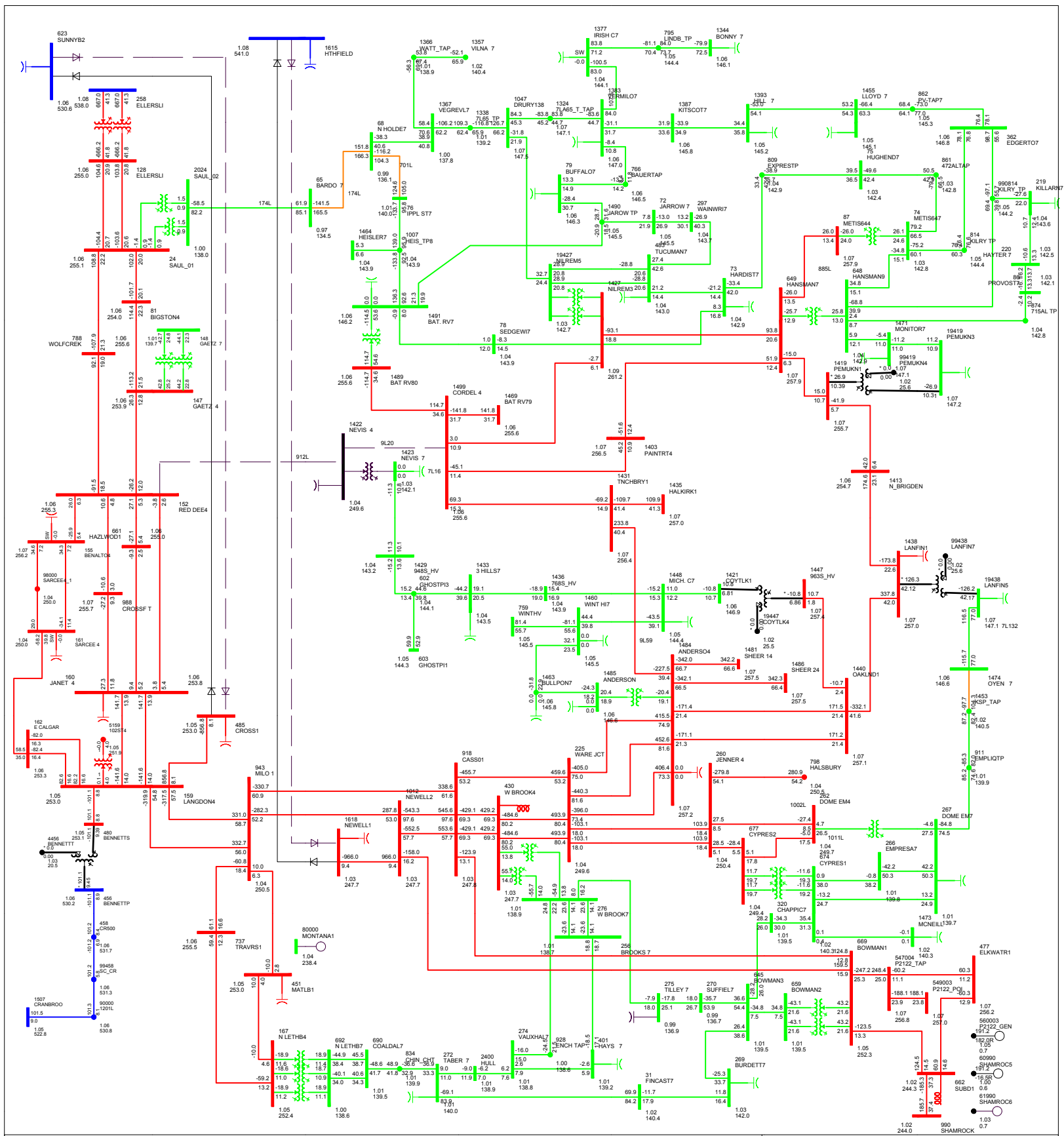
Branch Loading: >=100.0%
<=90.0% <=80.0%
 kV: <=25.00 <=69.00 <=138.00 <=240.00 <=500.000

Bus - Voltage (kV/pu) Branch - MW/Loading
 Equipment - MW/Loading



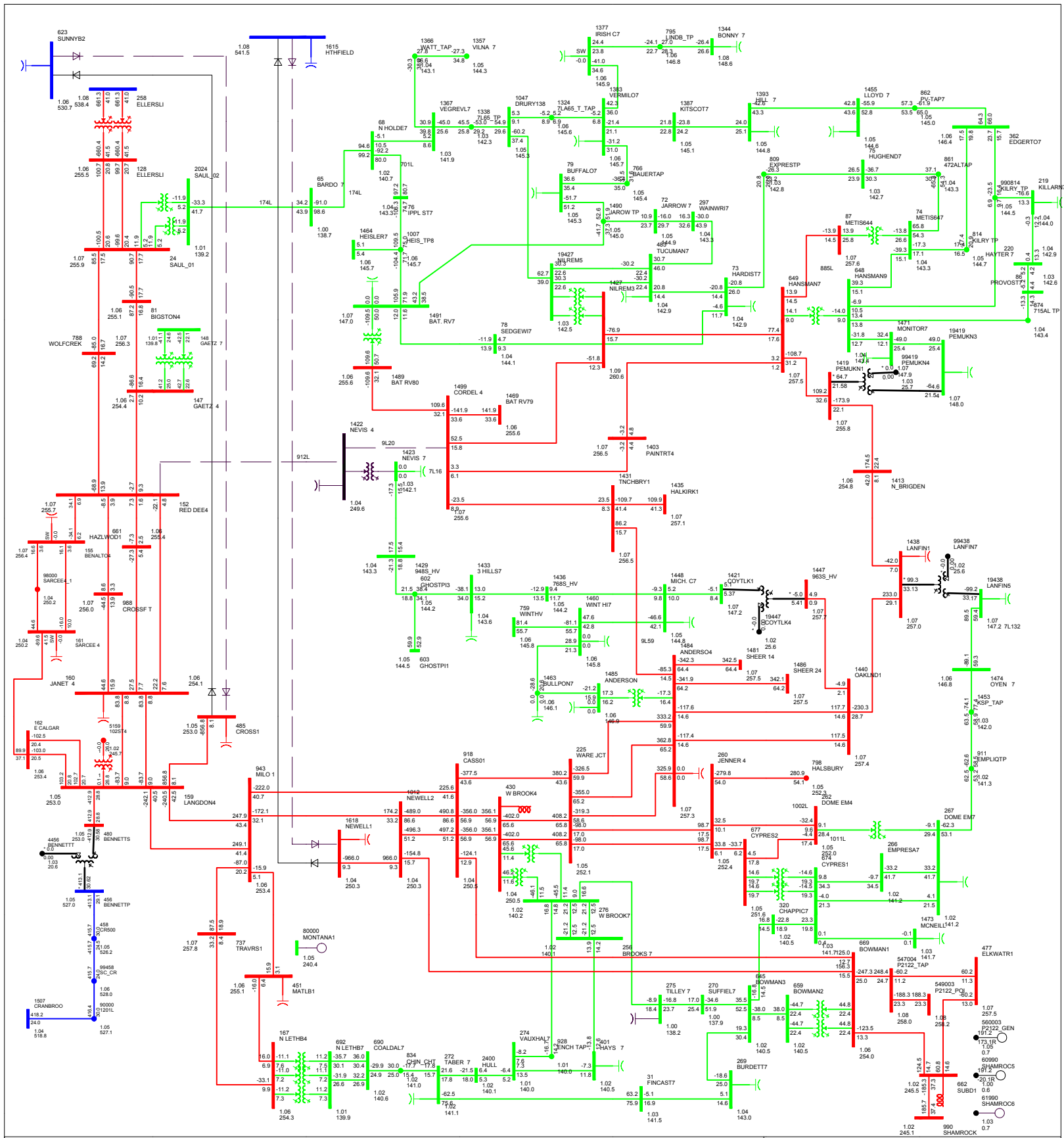
P7001 Central East Transfer Out Transmission Development
 New Generation in Study Area and SW Sub-region
 South East: 0.0 MW Central East: 406.4 MW South West: 0.0 MW
 FIG. A-50.02 FIG. A-50.01 YR-2023SL CASE: MS GEN SEN 1
 PROJECT: PRE PROJECT (NO CRPC OR CETO)
 CAP. CE
 MON. JUL 13 2023 10:19
 Contingency: 50.0 142.2 12
 Trip Action: None
 Gen: 690000-79 TCHB-55-DRURY-181 EDGN-147, Total-463 MW

Branch Loading: **>=100.0%**
 kV: <=25.000 <=69.000 <=138.000 <=240.000 <=500.000
 Bus - Voltage (kV/pu)
 Branch - MW/Loading
 Equipment - MW/Loading



P7001 Central East Transfer Out Transmission Development
 New Generation in Study Area and SW Sub-region
 South East: 0.0 MW Central East: 870.3 MW South West: 0.0 MW
 FIG. A-51.01.YR.2023.SL.CASE.MS.GEN.S1
 PROJECT: PRE PROJECT (NO CRPC OR DETO)
 CAP. CE
 MON. JUL. 19.2023 10:20
 Contingency: 0.6666666667
 Trip Action: None
 Generation: Not Applied

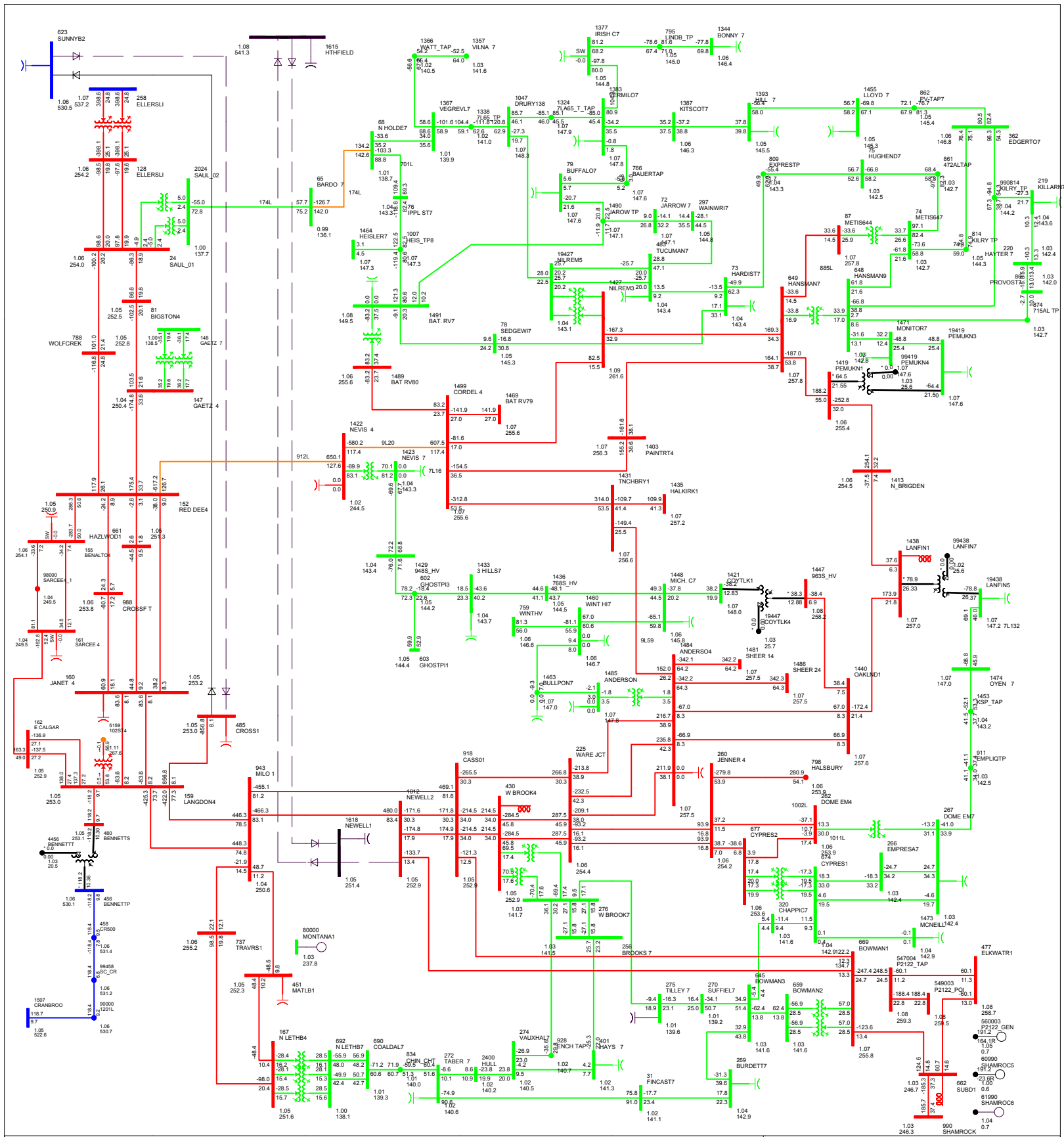
Branch Loading: >=100.0% >=90.0% >=80.0% >=70.0% <=60.0%
 kV: <=25.00 <=69.00 <=138.00 <=240.00 <=500.00
 Bus - Voltage (kV/pu) Branch - MW/Loading Equipment - MW/Loading



P7001 Central East Transfer Out Transmission Development

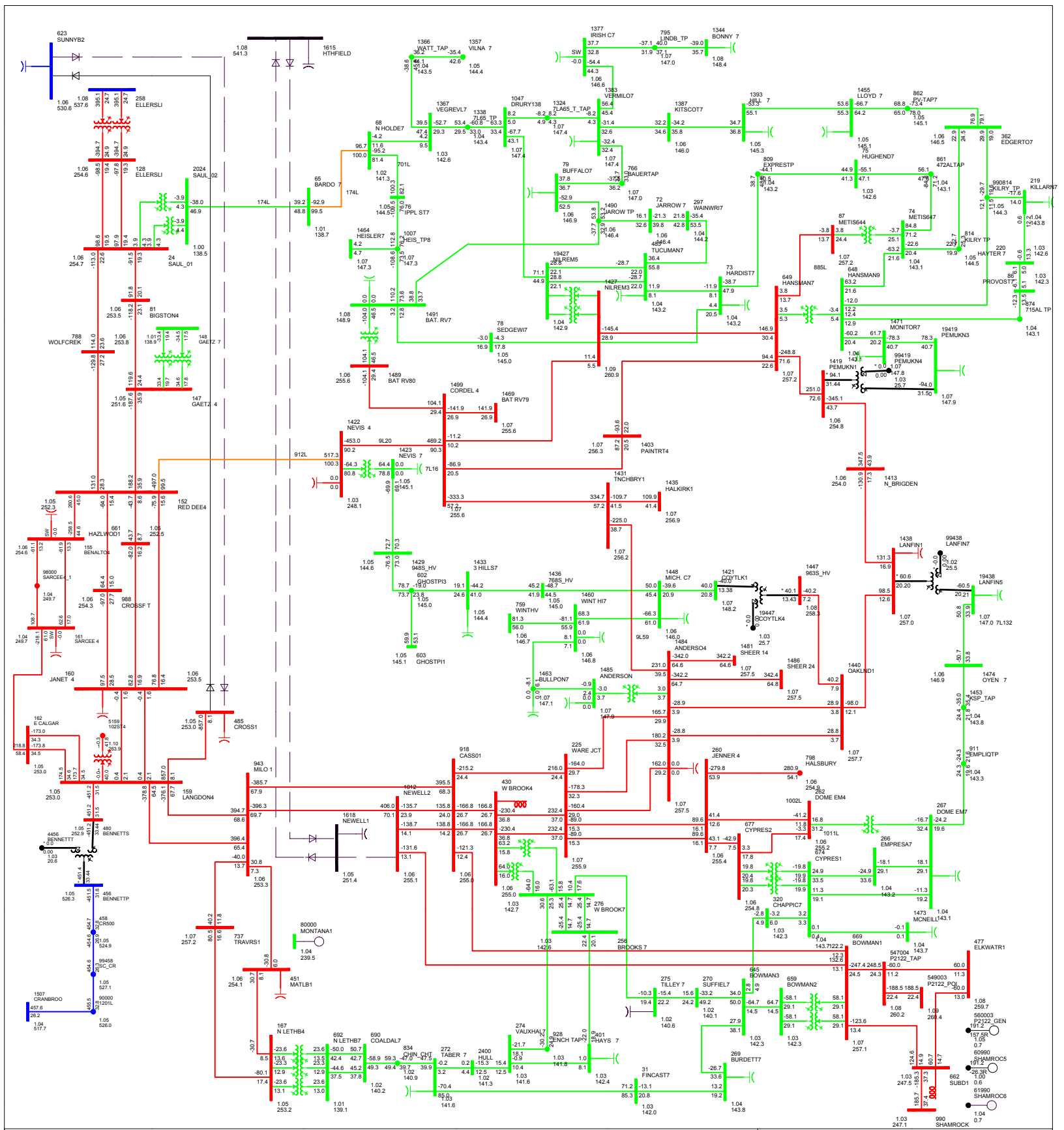
New Generation in Study Area and SW Sub-region
 South East: 0.0 MW Central East: 404.2 MW South West: 0.0 MW
 FIG. A-51.02 FIG. A-51.01, YR2023SL, CASE: MS, GEN SEN 1
 PROJECT: PRE PROJECT (NO CRPC OR CETO)
 CAP. CE
 MON. JUL 19 2023 10:20
 Contingency: 0.0000011
 Trip Action: None
 GenMechanism: 79 TCHB-55.DRURY-181.EDGN-149, T40L-466 MW

Branch Loading: >=100.0%
 kV: <=25.000 <=69.000 <=138.000 <=240.000 <=500.000
 Bus - Voltage (kV/pu)
 Branch - MW/Loading
 Equipment - MW/Loading



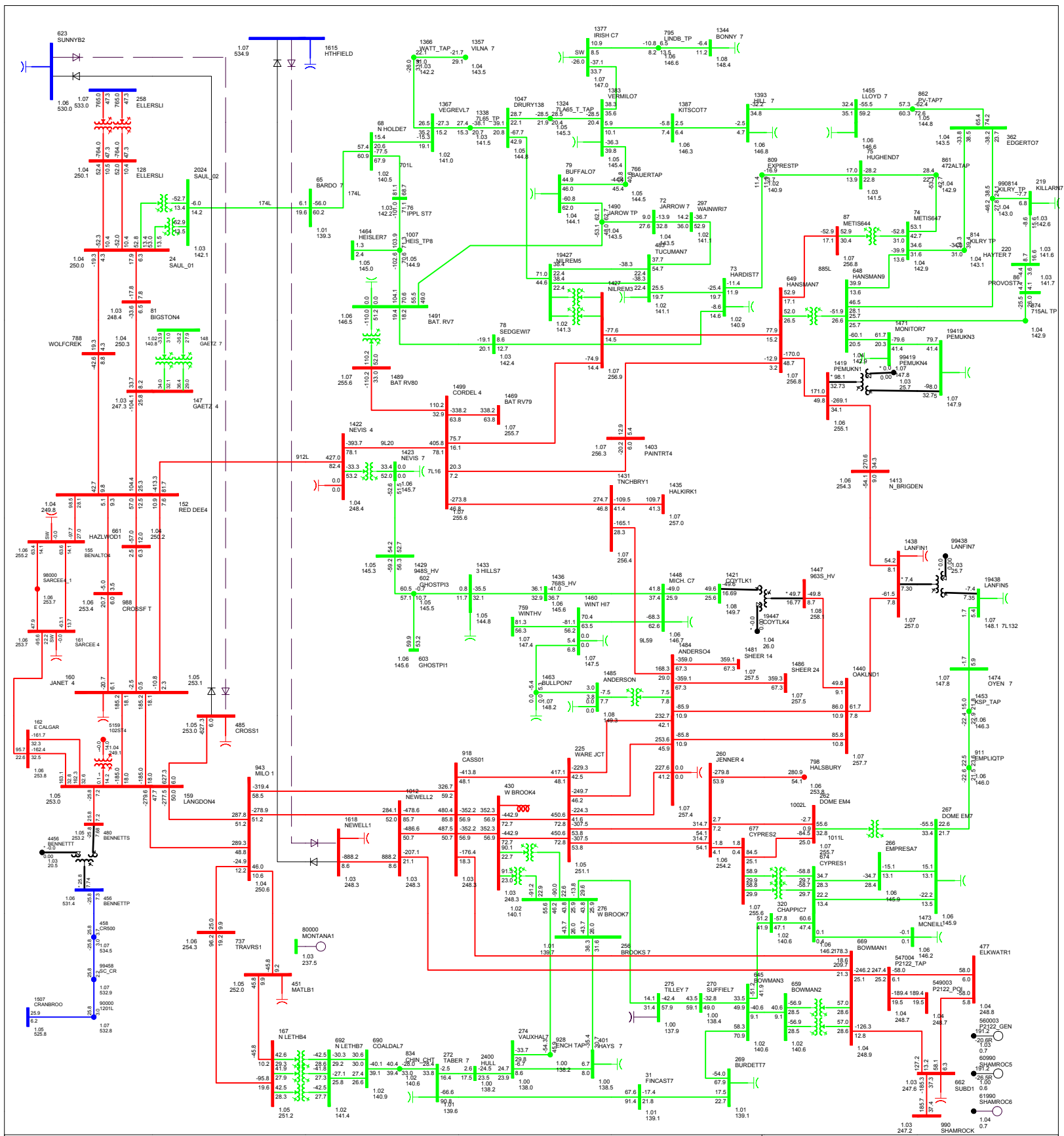
P7001 Central East Transfer Out Transmission Development
 New Generation in Study Area and SW Sub-region
 South East: 0.0 MW Central East: 870.3 MW South West: 0.0 MW
 FIG. A.52.01.YR.2023SL.CASE.M5.GEN.SCN.1
 PROJECT: PRE PROJECT (NO CRPC OR CETO)
 CAP: CE
 MON. JUL 19 2020 10:20
 Copyright: EAT, Inc.
 Trip Action: None
 Connected: Not Applied

Branch Loading: >=100.0%
 kV: <=25.00 <=69.00 <=138.00 <=240.00 <=500.00
 Bus - Voltage (kV/pu) Branch - MW/Loading
 Equipment - MW/Loading



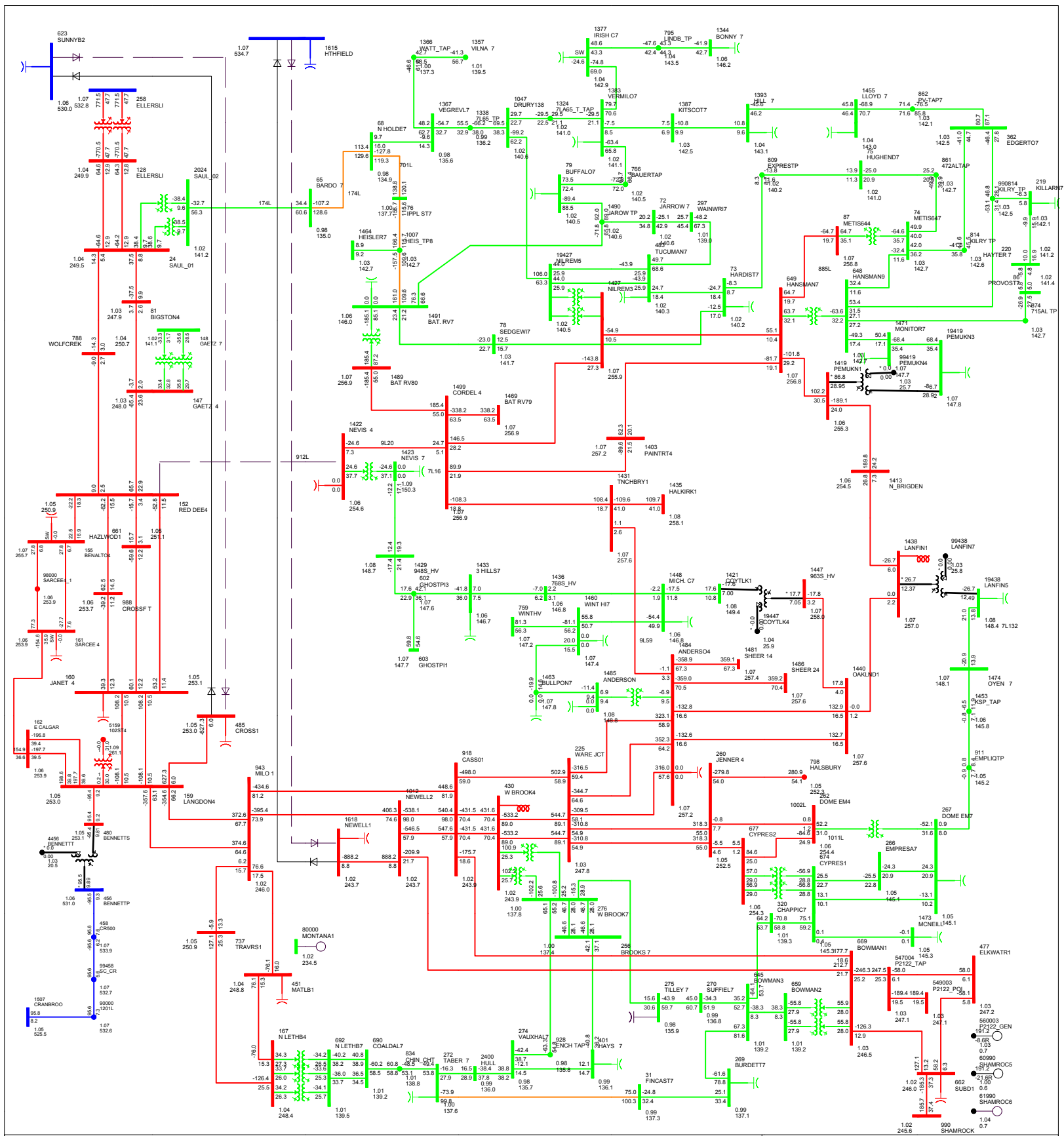
P7001 Central East Transfer Out Transmission Development
 New Generation in Study Area and SW Sub-region
 South East: 0.0 MW Central East: 432.4 MW South West: 0.0 MW
 FIG. A-52.02 FIG. A-52.01 YR-2023SL; CASE: MS; GEN SCN 1
 PROJECT: PRE PROJECT (NO CRPC OR CETO)
 CAP. CE
 MON. JUL 13 2020 10:20
 CONTINUING: EATL
 TRIP ACTION: L74 BC 138W TR
 GEN: 69900000; 76; TCHS; 26; DRURY; 177; EDGN; 125; TOLF; 437 MW

Branch Loading: >=100.0%
 kV: <=25.00 <=69.00 <=138.00 <=240.00 <=500.00
 Bus - Voltage (kV/pu) Branch - MW/Loading
 Equipment - MW/Loading



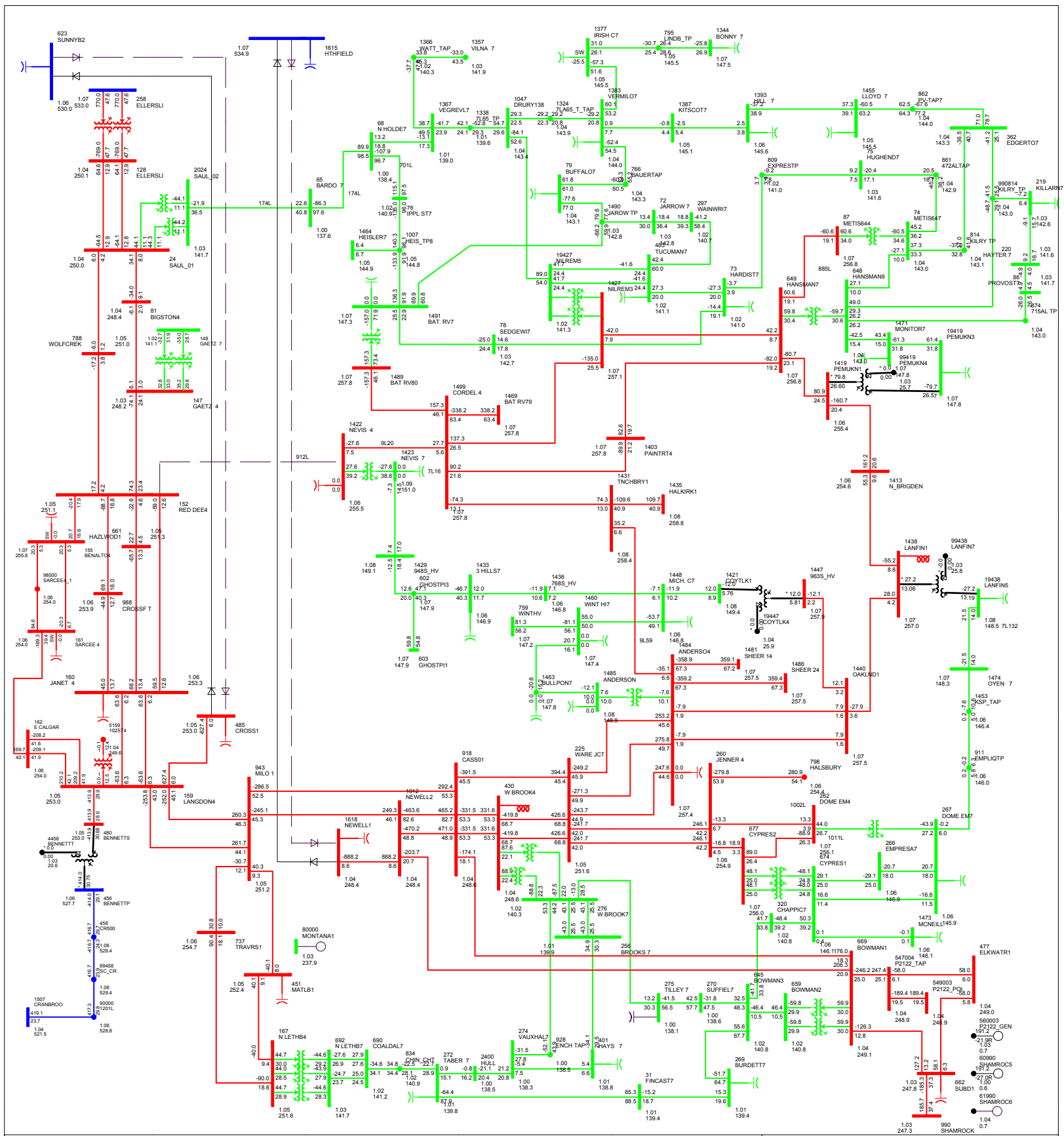
P7001 Central East Transfer Out Transmission Development
 New Generation in Study Area and SW Sub-region
 South East: 992.9 MW Central East: 0.0 MW South West: 0.0 MW
 FIG. A-53.YR2023P.CASE: MA: GEN SON 1
 MON. JUL 19 2023 10:21
 Contingency: Base
 Trip Action: None
 Generation: Not Applied

Branch Loading: >=100.0%
 kV: <=25.000 <=69.000 <=138.000 <=240.000 <=500.000
 Bus - Voltage (kV/pu) Branch - MW/Loading Equipment - MW/Loading



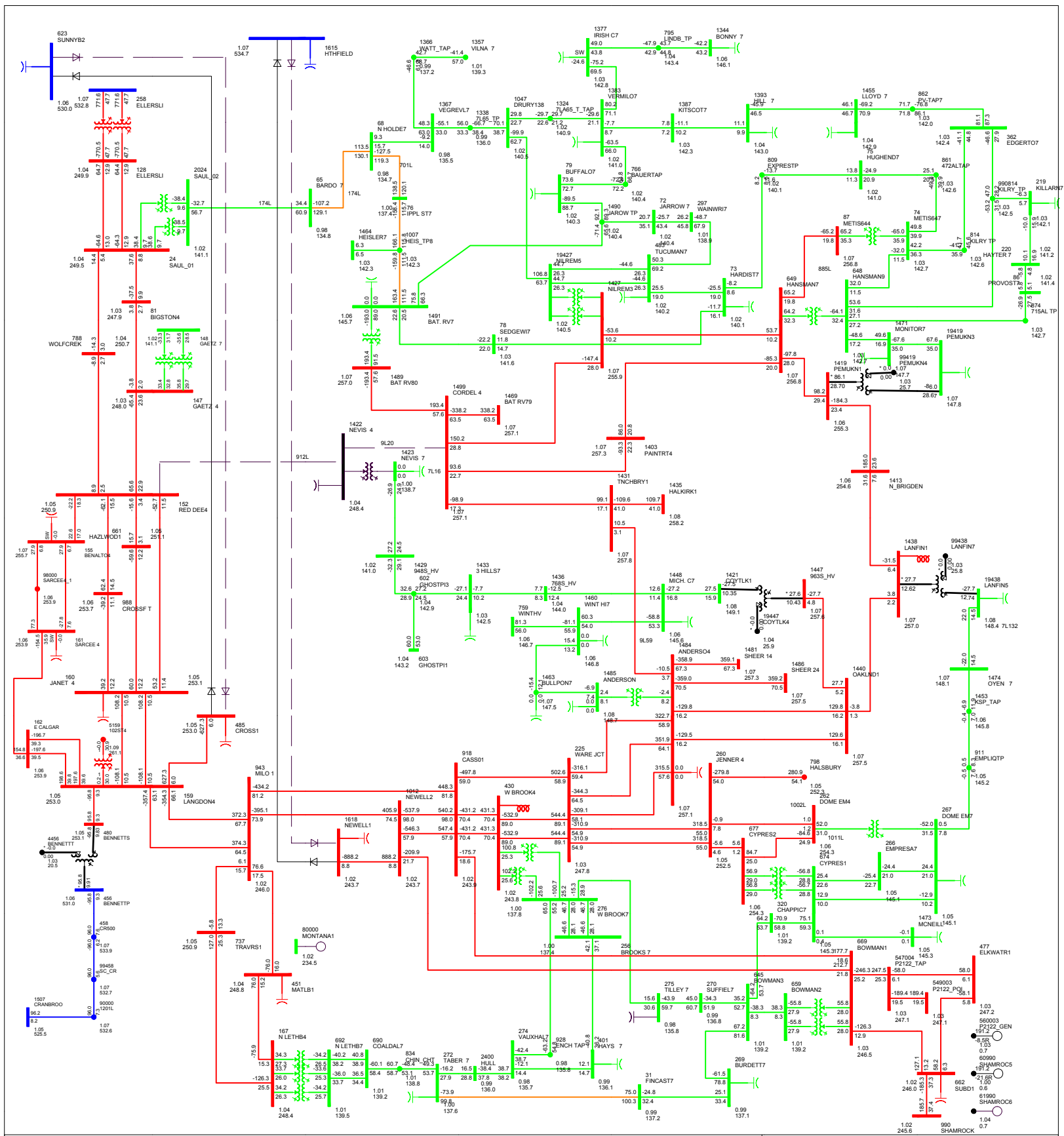
P7001 Central East Transfer Out Transmission Development
 New Generation in Study Area and SW Sub-region
 South East: 992.9 MW Central East: 0.0 MW South West: 0.0 MW
 FIG. A-54.01.YR.2023SP.CASE: M4: GEN SCN 1
 PROJECT: PRE PROJECT (NO CRPC OR CETO)
 CAP: SE
 MON. JUL 13 2023 10:20
 Contingency: 330 1422 12
 Trip Action: None
 GenConnect: Applied

Branch Loading: >=100.0%
 kV: <=25.000 <=69.000 <=138.000 <=240.000 <=500.000
 Bus - Voltage (kV/pu) Branch - MW/Loading Equipment - MW/Loading



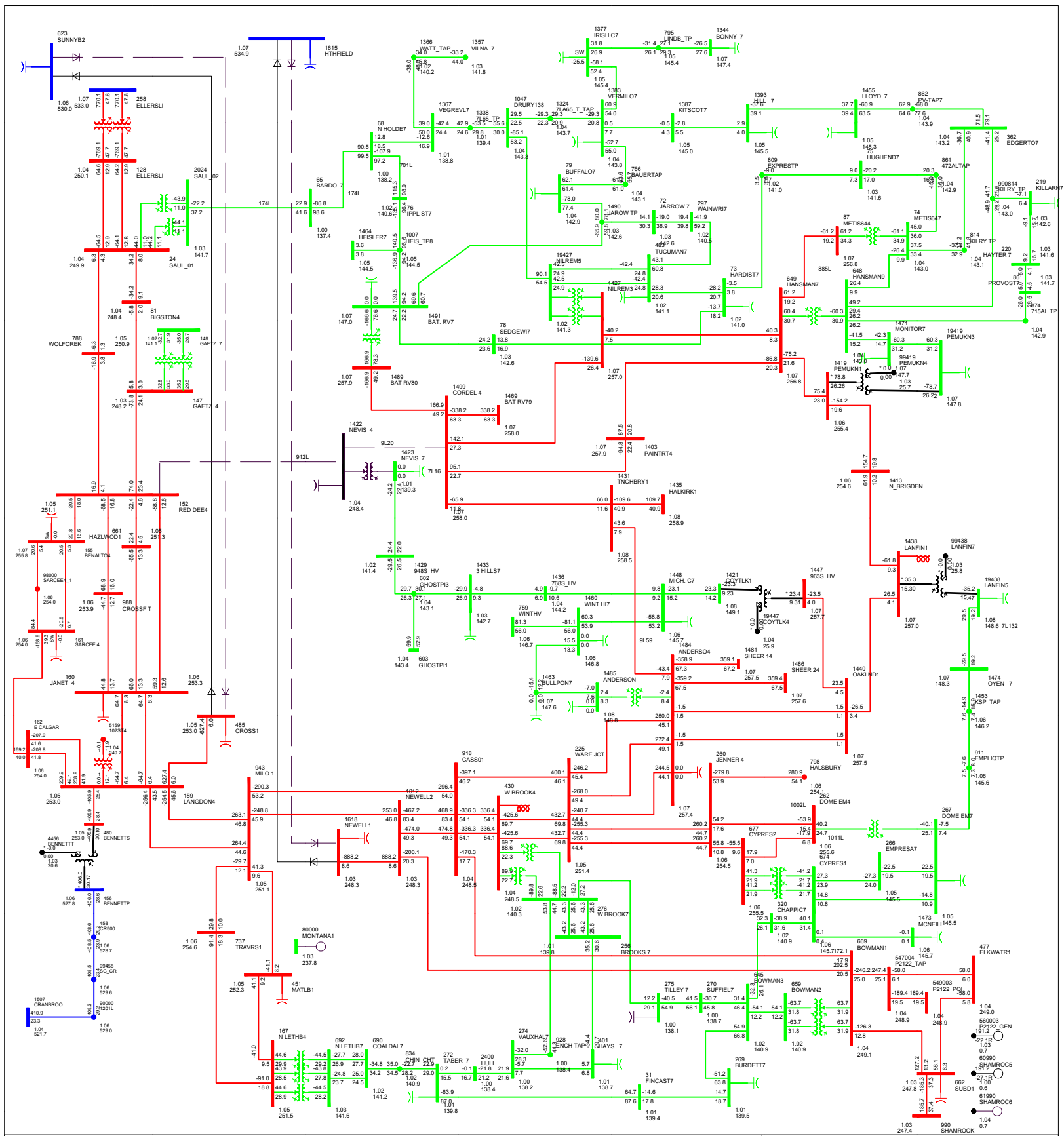
P7001 Central East Transfer Out Transmission Development
 New Generation in Study Area and SW Sub-region
 South East: 533.3 MW Central East: 0.0 MW South West: 0.0 MW
 FIG. A-54.02 FIG. A-54.01 3/9/2023SP; CASE: M4; GEN SCN 1
 PROJECT: PRE PROJECT (NO CRPC OR CETO)
 CAP: SE
 MON. JUL 19 2023 10:20
 Contingency: 50% 1422-12
 Trip Action: None
 Gen: 533.3 MW; 0.0 MW; 0.0 MW; Total: 533.3 MW

Branch Loading: >=100.0%
 kV: <=25.00 <=69.00 <=138.00 <=240.00 <=500.00 Bus - Voltage (kV/pu)
 Branch - MW/Loading
 Equipment - MW/Loading



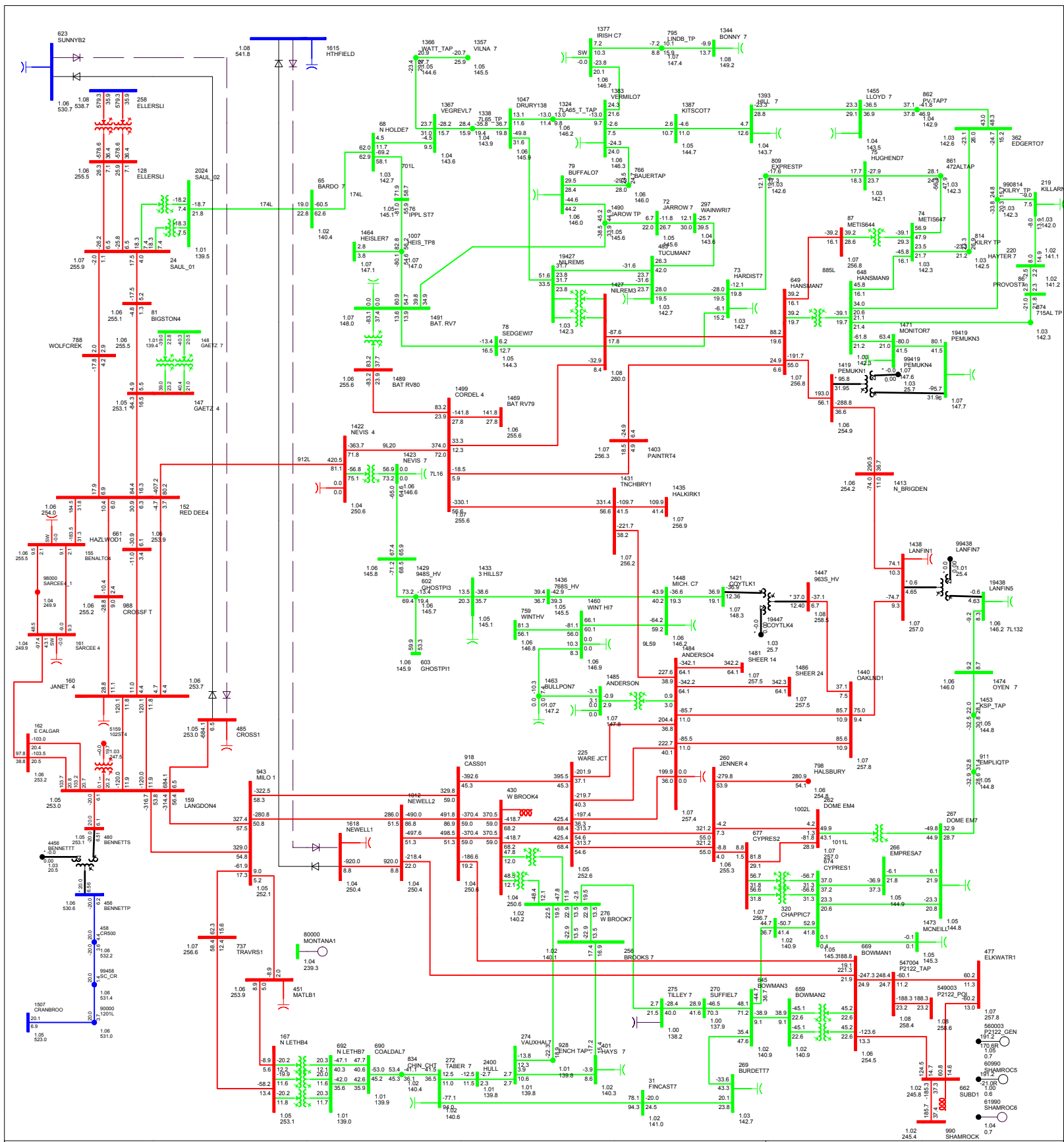
P7001 Central East Transfer Out Transmission Development
 New Generation in Study Area and SW Sub-region
 South East: 992.9 MW Central East: 0.0 MW South West: 0.0 MW
 FIG. A-55.01.YR-2023SP.CASE: M4: GEN SCN 1
 PROJECT: PRE PROJECT (NO CRPC OR CETO)
 CAP: SE
 MON. JUL 19 2023 10:20
 Contingency: 0.66666667
 Trip Action: None
 GenConnect: Applied

Branch Loading: >=100.0% <=25.0% <=138.0 <=240.0 <=500.0
 Bus - Voltage (kV/pu) Branch - MW/Loading
 Equipment - MW/Loading



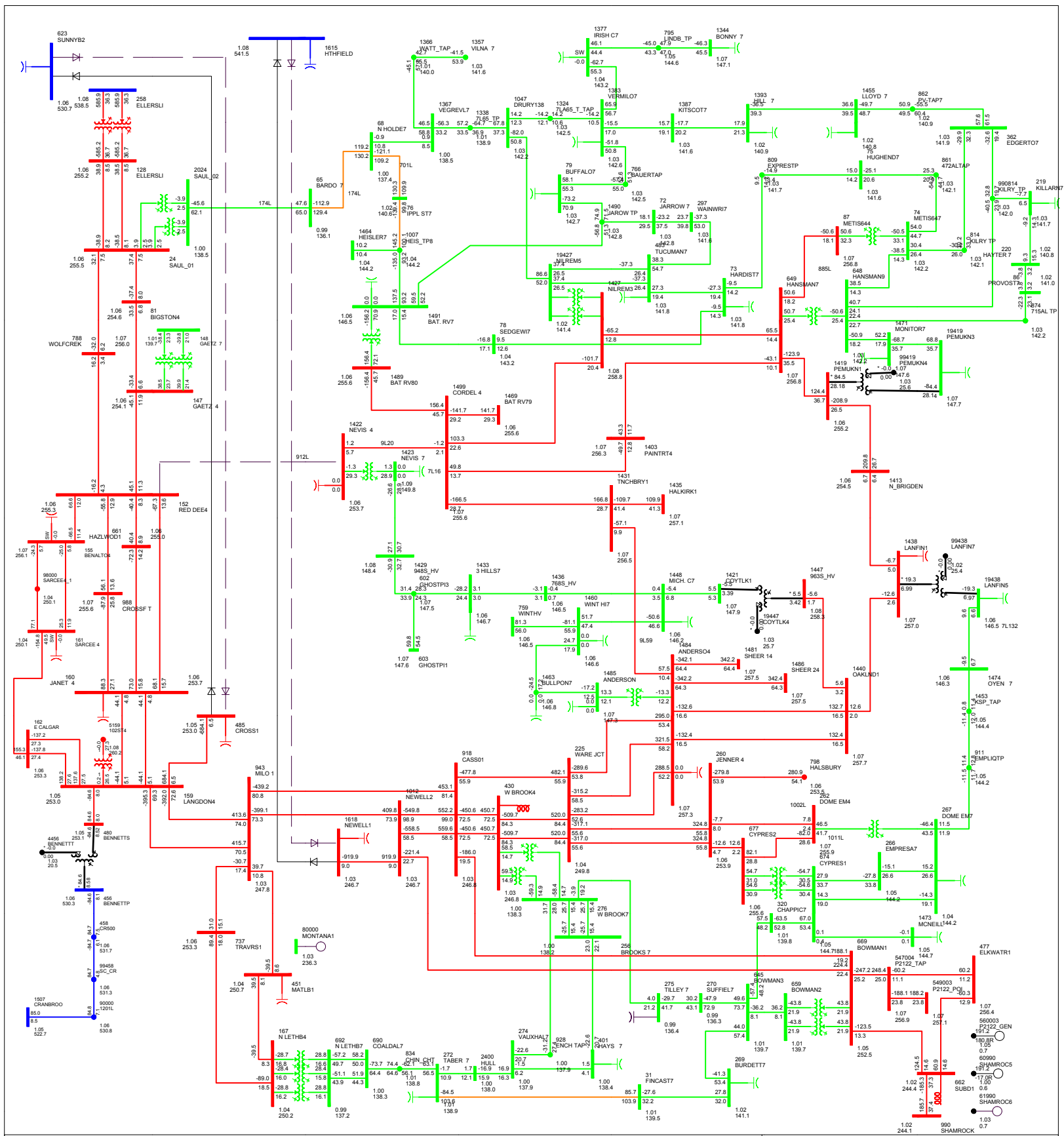
P7001 Central East Transfer Out Transmission Development
 New Generation in Study Area and SW Sub-region
 South East: 545.5 MW Central East: 0.0 MW South West: 0.0 MW
 FIG. A-55.02 FIG. A-55.01 3R-2023SP; CASE: M4; GEN SCN 1
 PROJECT: PRE PROJECT (NO CRPC OR DETO)
 CAP. SE
 MON. JUL 19 2023 10:20
 CONTINGENCY: 0.66666667
 Trip Action: None
 GenMech: CRCS-161 OKLD-286, Total-447 MW

Branch Loading: **>=100.0%**
 kV: <=25.000 <=69.000 <=138.000 <=240.000 <=500.000
 Bus - Voltage (kV/pu)
 Branch - MW/Loading
 Equipment - MW%/Loading



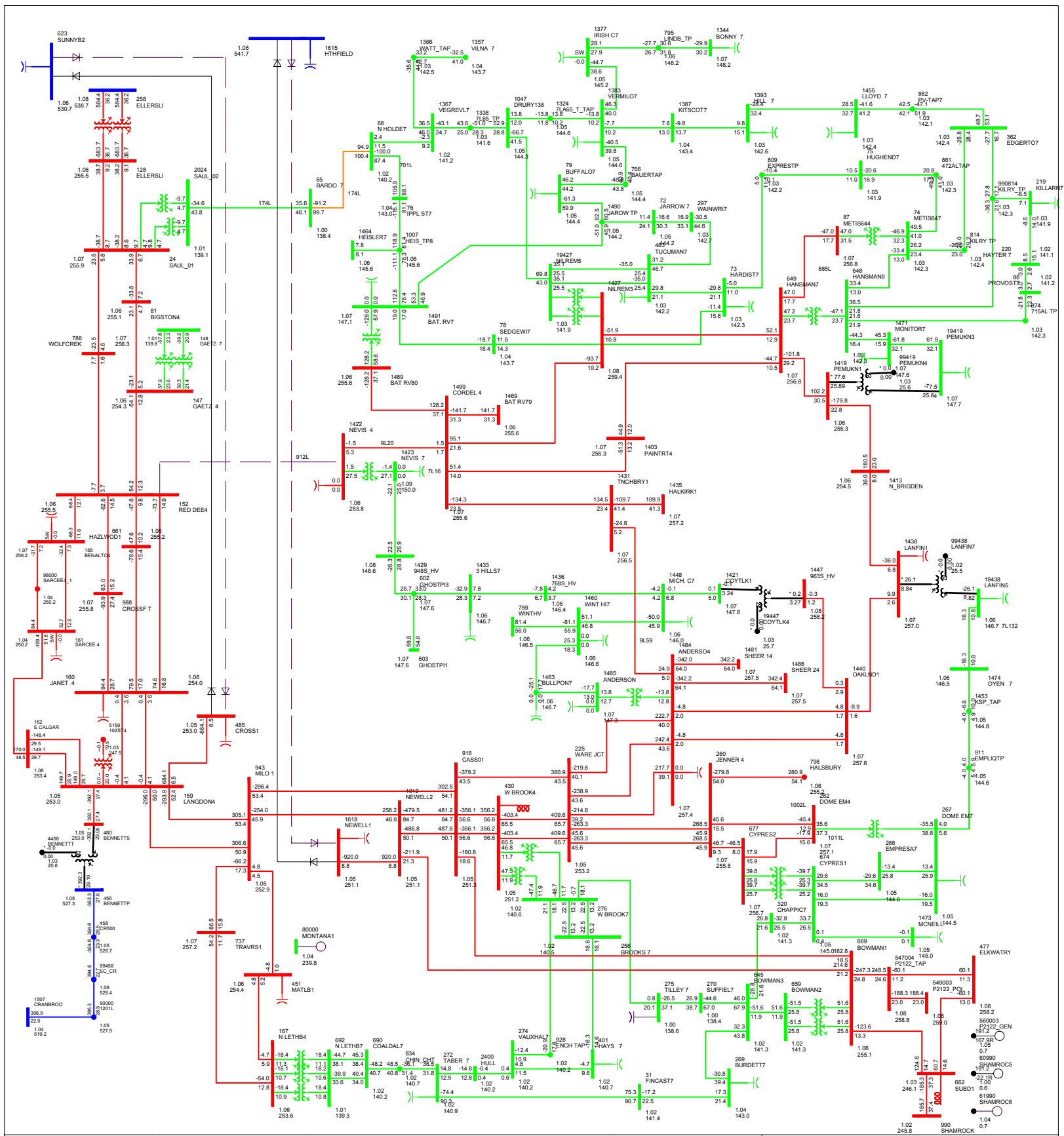
P7001 Central East Transfer Out Transmission Development
 New Generation in Study Area and SW Sub-region
 South East: 992.9 MW Central East: 0.0 MW South West: 0.0 MW
 FIG. A-56: YR-2023SL: CASE: MS: GEN SCN 1
 PROJECT: PRE PROJECT (NO CRPC OR DETO)
 CAP: SE
 MON: JUL 19 2023 10:20
 Contingency: Base
 Trip Action: None
 Connected/Not Applied

Branch Loading: >=100.0%
 kV: <=25.000 <=69.000 <=138.000 <=240.000 <=500.000
 Bus - Voltage (kV/pu) Branch - MW/Loading Equipment - MW/Loading



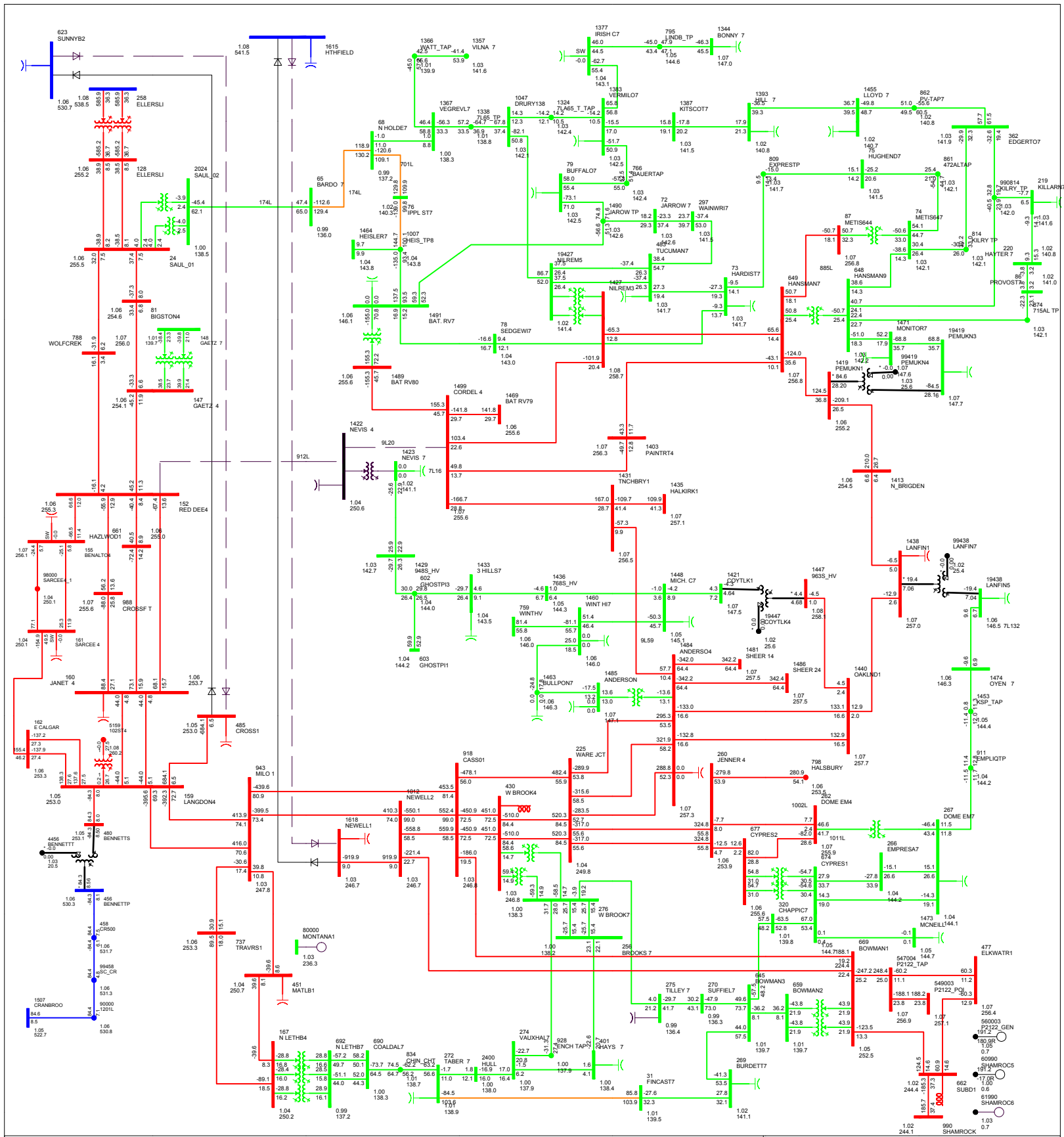
P7001 Central East Transfer Out Transmission Development
 New Generation in Study Area and SW Sub-region
 South East: 992.9 MW Central East: 0.0 MW South West: 0.0 MW
 FIG. A-57.01.YR-2023.SL CASE: MS_GEN_SCN1
 MON. JUL 19 2023 10:20
 Contingency: 332 1422 12
 Trip Action: None
 Generated: Not Applied

Branch Loading: >=100.0%
 kV: <=250.0 <=69.00 <=138.00 <=240.00 <=500.00
 Bus - Voltage (kV/pu) Branch - MW/Loading Equipment - MW/Loading



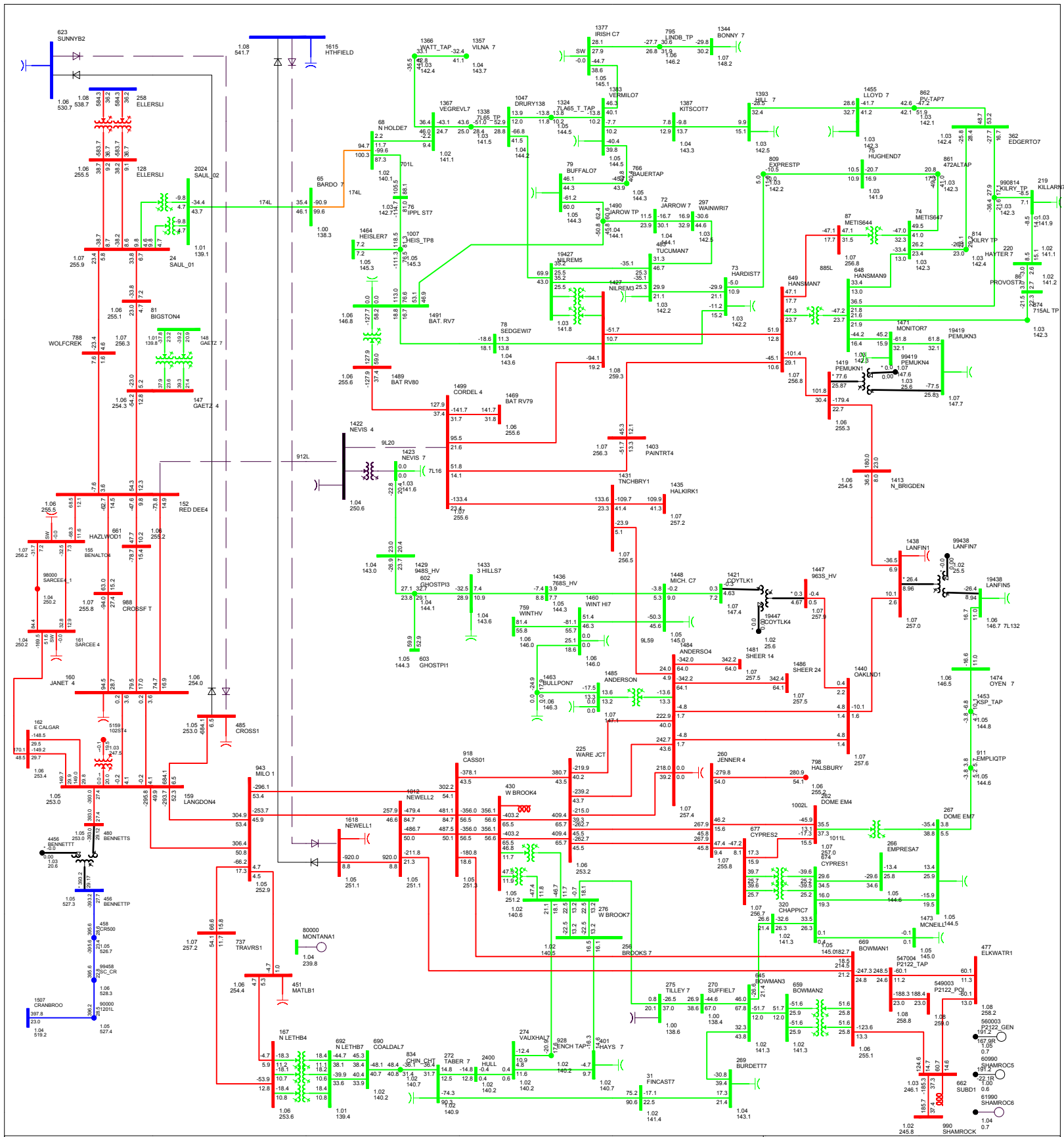
P7001 Central East Transfer Out-Transmission Development
 New Generation in Study Area and SW Sub-region
 South East: 551.6 MW Central East: 0.0 MW South West: 0.0 MW
 FIG. A-57.02 FIG. A-57.01 3/19/2023;L CASE: MS; GEN SEN 1
 PROJECT: PRE PROJECT (NO CRCP OR CETO)
 CAP: SE
 MON. JUL 19 2023 10:20
 Contingency: 332 1422 12
 Trip Action: None
 Gen: MW/CRPS-184 OKLD-286 Total-441 MW

Branch Loading: >=100.0%
 kV: <=25.000 <=69.000 <=138.000 <=240.000 <=500.000
 Bus - Voltage (kV/pu) Branch - MW/Loading
 Equipment - MW/Loading



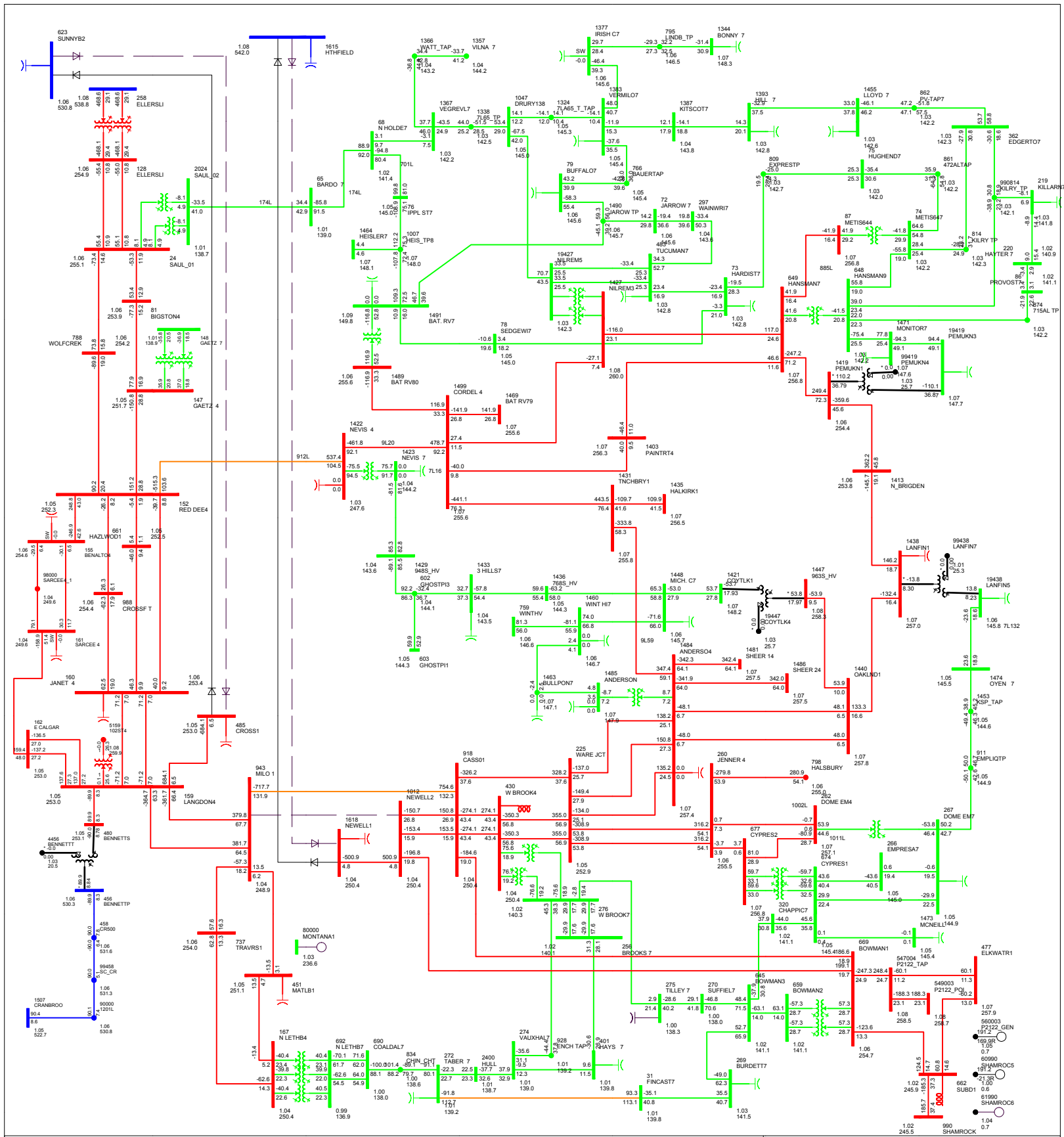
P7001 Central East Transfer Out Transmission Development
 New Generation in Study Area and SW Sub-region
 South East: 992.9 MW Central East: 0.0 MW South West: 0.0 MW
 FIG. A-58.01.YR.2023SL.CASE.M5.GEN.SCN1
 PROJECT: PRE PROJECT (NO CRPC OR CETO)
 CAP. SE
 MON. JUL. 19.2023 10:21
 Contingency: 0.66666667
 Trip Action: None
 ConnectedNet: Applied

Branch Loading: >=100.0%
 kV: <=25.000 <=69.000 <=138.000 <=240.000 <=500.000
 Bus - Voltage (kV/pu) Branch - MW/Loading Equipment - MW/Loading



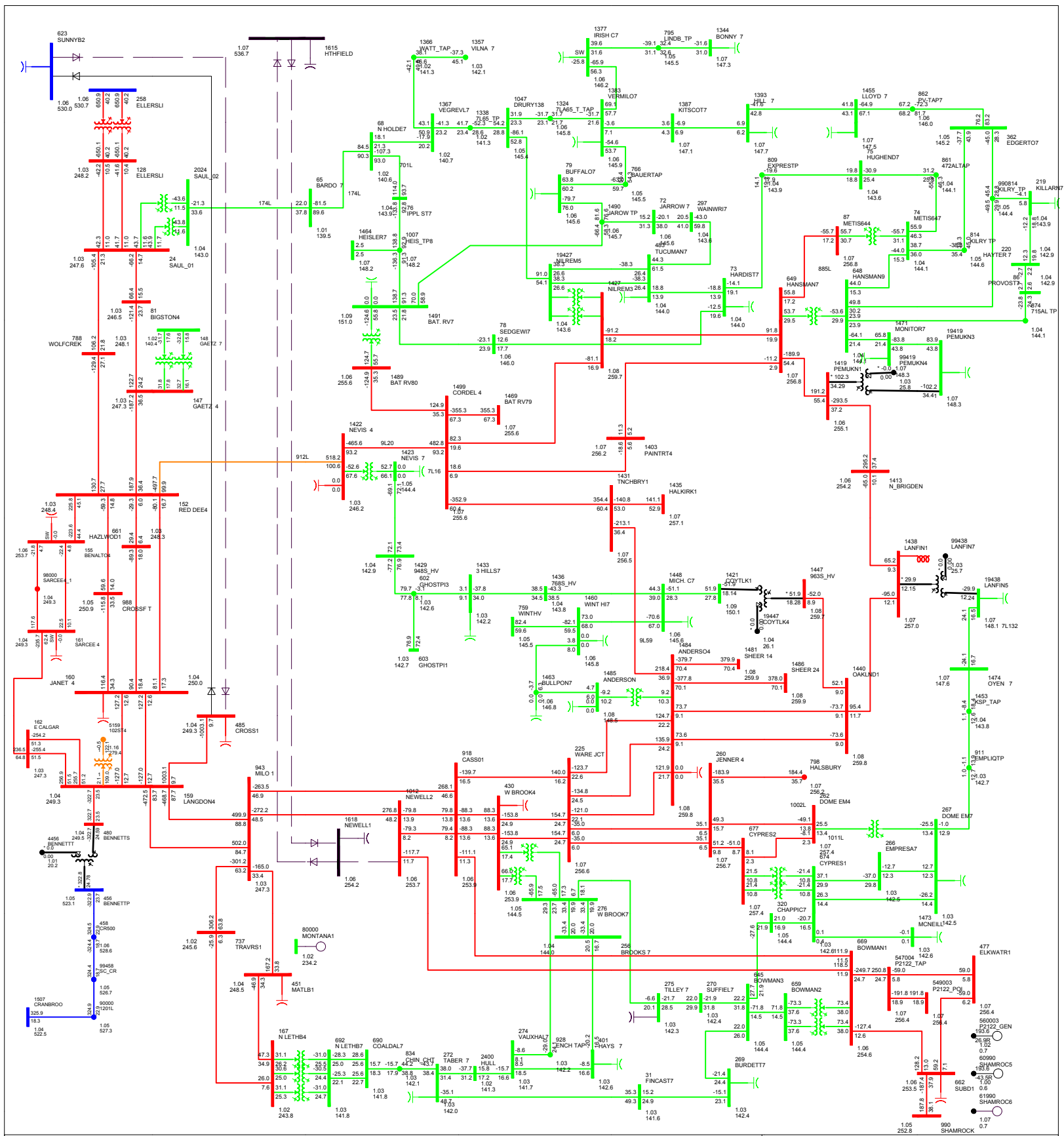
P7001 Central East Transfer Out Transmission Development
 New Generation in Study Area and SW Sub-region
 South East: 550.0 MW Central East: 0.0 MW South West: 0.0 MW
 FIG. A-58.02 FIG. A-58.01 3R-2023SL CASE: M5 GEN SCN 1
 PROJECT: PRE PROJECT (NO CRPC OR CETO)
 CAP: SE
 MON: JUL 19 2023 10:21
 Contingency: 0.666667
 Trip Action: None
 GenMech: PMS-186 OKLD: 286 Total: 442 MW

Branch Loading: **>=100.0%**
 kV: <=25.00 <=69.00 <=138.00 <=240.00 <=500.00
 Bus - Voltage (kV/pu)
 Branch - MW/Loading
 Equipment - MW/Loading



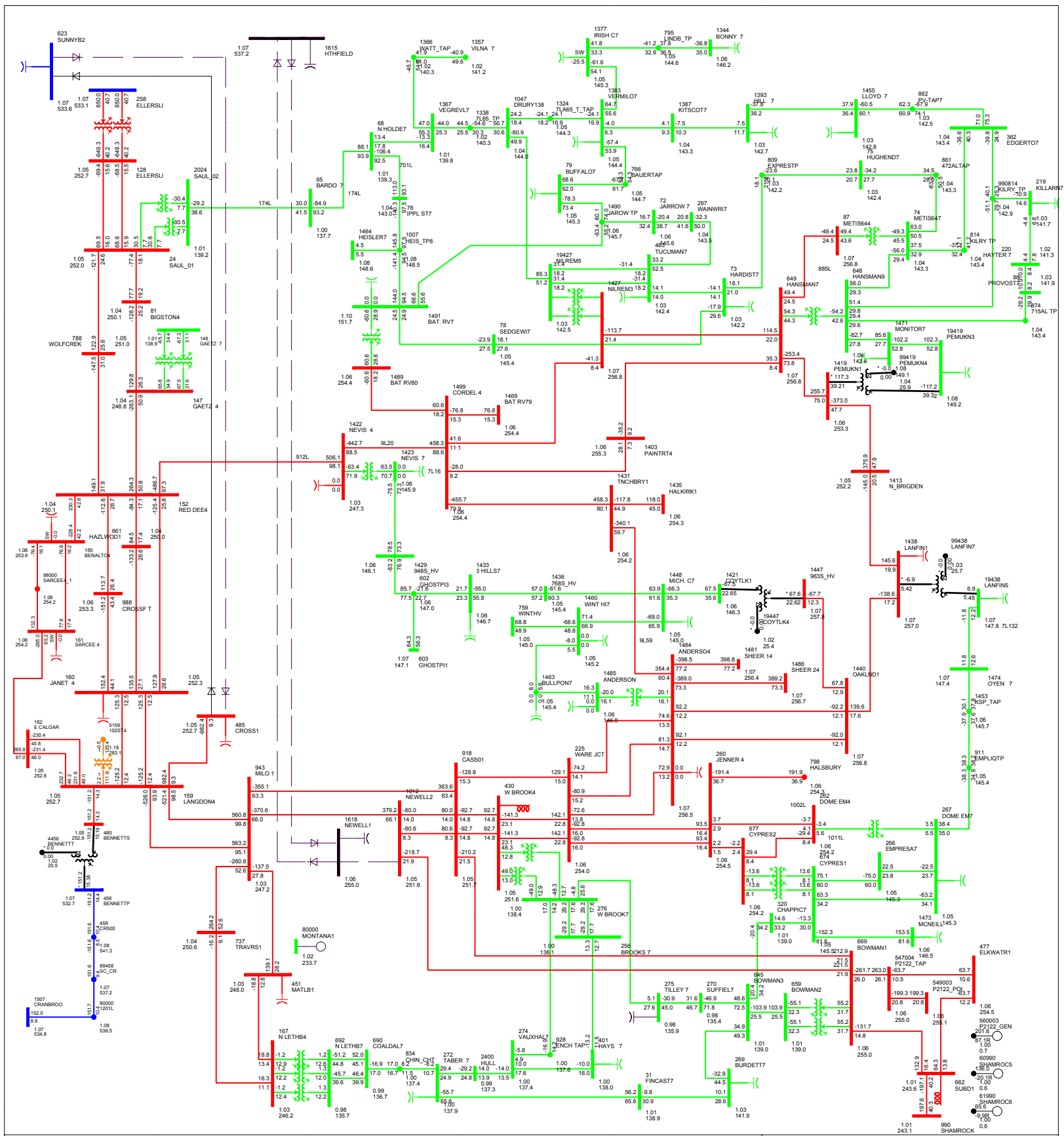
P7001 Central East Transfer Out Transmission Development
 New Generation in Study Area and SW Sub-region
 South East: 992.9 MW Central East: 0.0 MW South West: 0.0 MW
 FIG. A-59.01.YR.2023SL CASE: M5: GEN SCN 1
 PROJECT: PRE PROJECT (NO CRPC OR CETO)
 CAP: SE
 MON. JUL 19 2023 10:20
 CONTINGENCY: BAS-0.11, 0.22
 Trip Action: None
 Connected/Not Applied

Branch Loading: >=100.0%
 kV: <=25.000 <=69.000 <=138.000 <=240.000 <=500.000
 Bus - Voltage (kV/pu) Branch - MW/Loading Equipment - MW/Loading



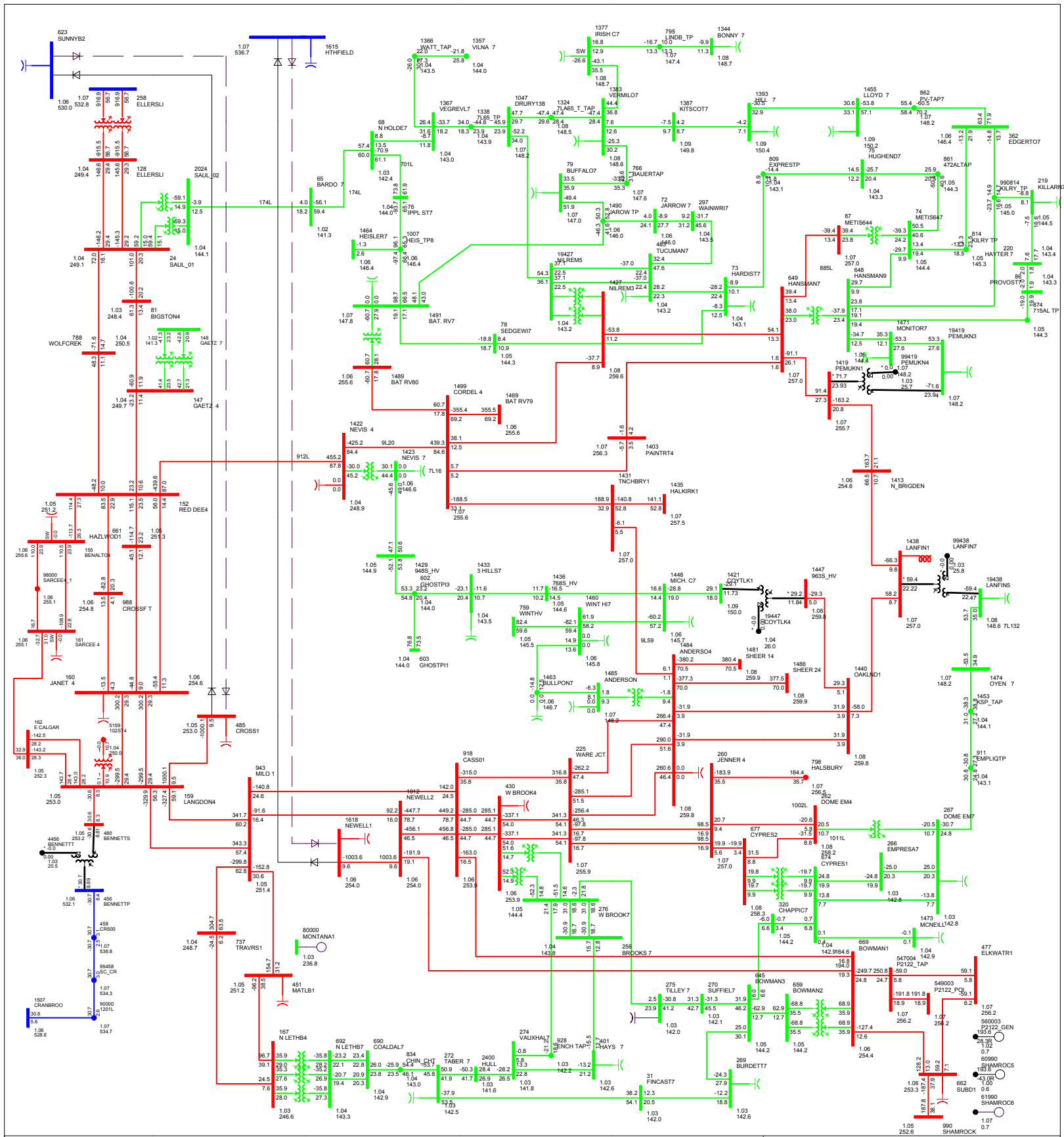
P7001 Central East Transfer Out Transmission Development
 New Generation in Study Area and SW Sub-region
 South East: 0.0 MW Central East: 1.0 MW South West: 583.8 MW
 FIG. A.61.02 FIG. A.61.01, YR.2023SP, CASE: H2, GEN SEN 2
 PROJECT: PRE PROJECT (NO CRPC OR CETO)
 CAP: MAXIMIZE
 MON. JUL 19 2020 10:18
 Contingency: S.A.T.
 Trip Action: None
 Gen: MW/MVA, 152_JNR_71, OKLD_23, Total: 247 MW

Branch Loading: >=100.0%
 kV: <=25.000 <=69.000 <=138.000 <=240.000 <=500.000
 Bus - Voltage (kV/pu) Branch - MW/Loading Equipment - MW/Loading



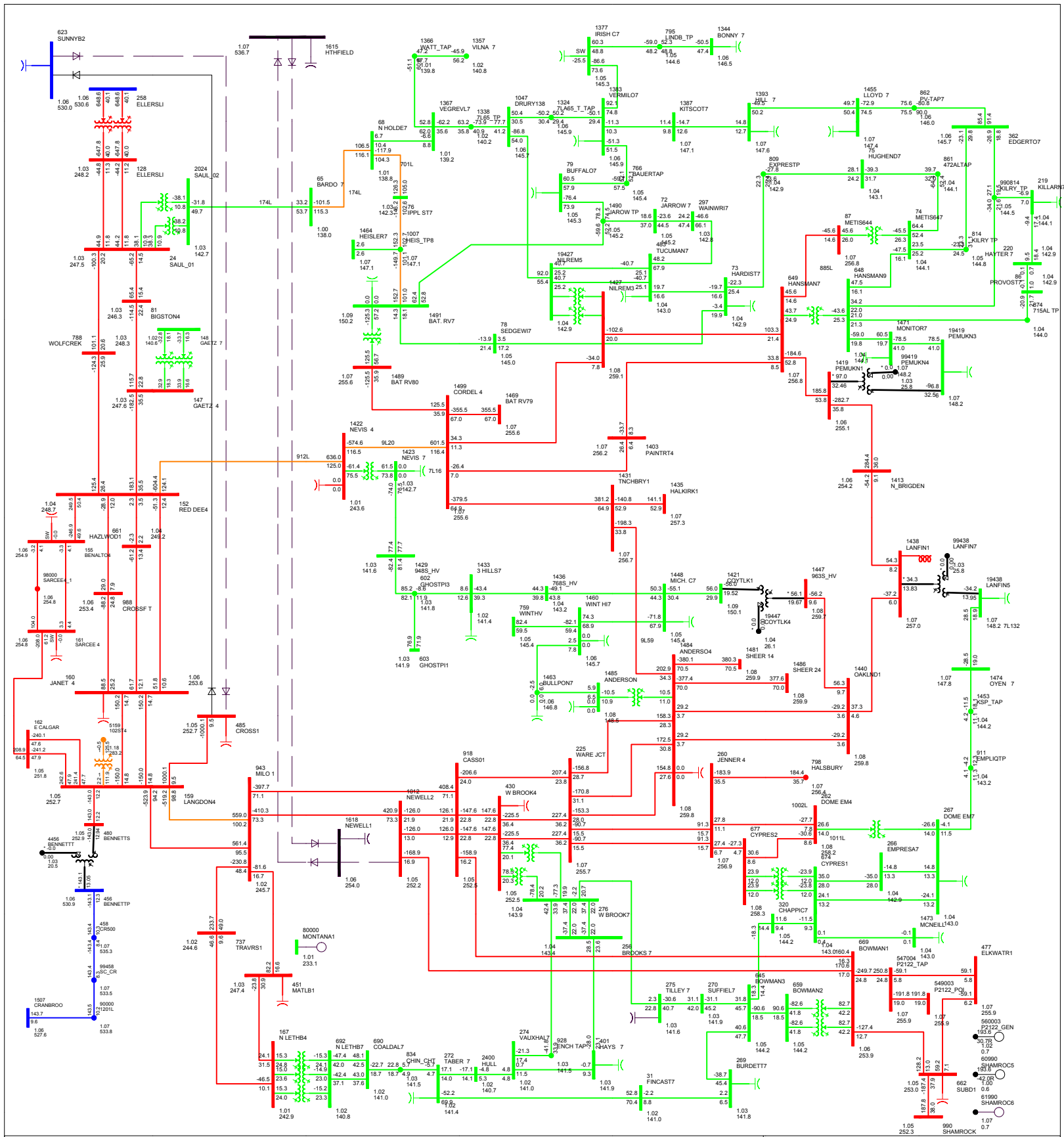
P7001 Central East Transfer Out Transmission Development
 New Generation in Study Area and SW Sub-region
 South East: 176.3 MW Central East: 1.0 MW South West: 583.8 MW
 FIG. A-6.02 FIG. A-6.01 (R/2023); CASE: H5; GEN SEN 2
 PROJECT: PRE PROJECT (NO CRPC OR DETO)
 CAP: MAXIMIZE
 MON. JUL 19 2020 10:18
 Contingency: SA1
 Trip Action: None
 Genmech: MW: 71; Total: 71 MW

Branch Loading: >=100.0%
 kV: <=25.00 <=69.00 <=138.00 <=240.00 <=500.00
 Bus - Voltage (kV/pu)
 Branch - MW/Loading
 Equipment - MW/Loading



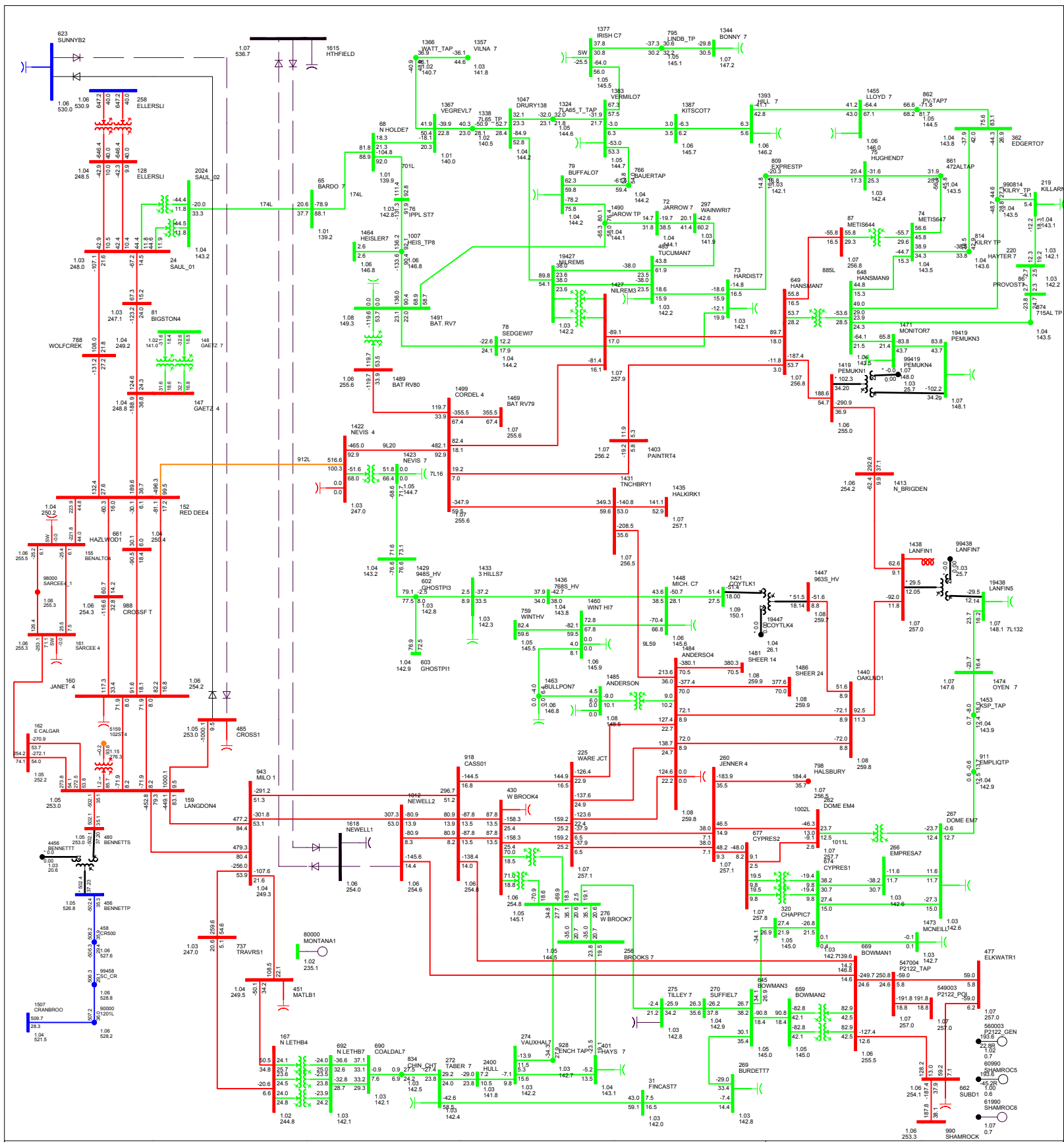
P7001 Central East Transfer Out Transmission Development
 New Generation in Study Area and SW Sub-region
 South East: 275.0 MW Central East: 262.2 MW South West: 295.0 MW
 FIG. A-64.YR.2023SP.CASE.H2: GEN SCN 2
 PROJECT: PRE PROJECT (NO CRPC OR DETO)
 CAP: EQUILIBRE
 MON. JUL 13 2020 10:18
 Contingency: Base
 Trip Action: None
 Generated: Not Applied

Branch Loading: **>=100.0%**
 kV: <=250.0 <=138.0 <=138.0 <=240.0 <=500.0
 Bus - Voltage (kV/pu)
 Branch - MW/Loading
 Equipment - MW/Loading



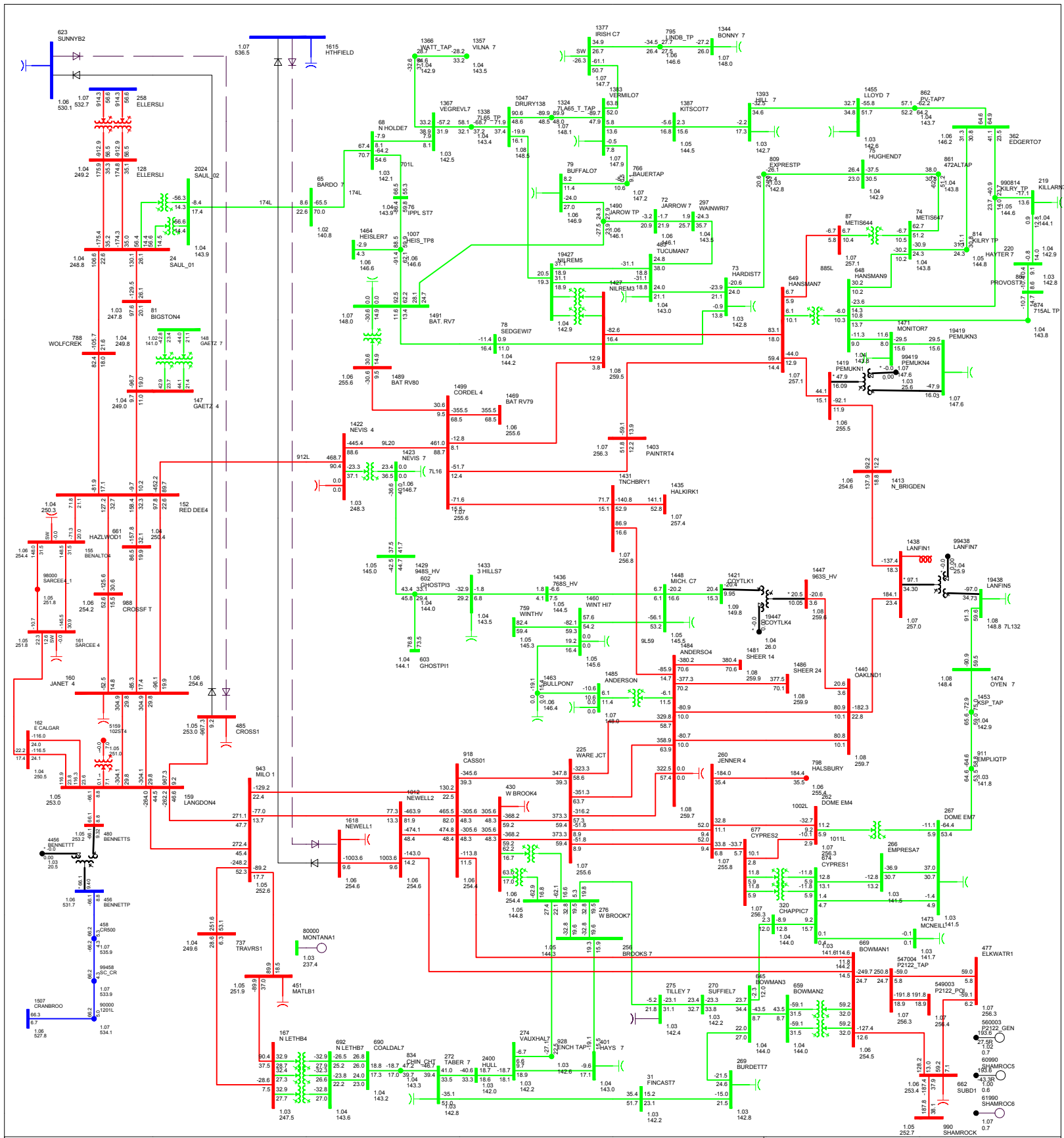
P7001 Central East Transfer Out Transmission Development
 New Generation in Study Area and SW Sub-region
 South East: 275.0 MW Central East: 262.2 MW South West: 295.0 MW
 FIG. A.65.01 2/8-2023/SP. CASE: H2 GEN SCN 2
 PROJECT: PRE PROJECT (NO CRPC OR CETO)
 CAP: EQUILIBRE
 MON. JUL 19 2020 10:18
 Contingency: SA1
 Trip Action: None
 Connected/Not Applied

Branch Loading: >=100.0%
 kV: <=25.00 <=69.00 <=138.00 <=240.00 <=500.00
 Bus - Voltage (kV/pu) Branch - MW/Loading
 Equipment - MW/Loading



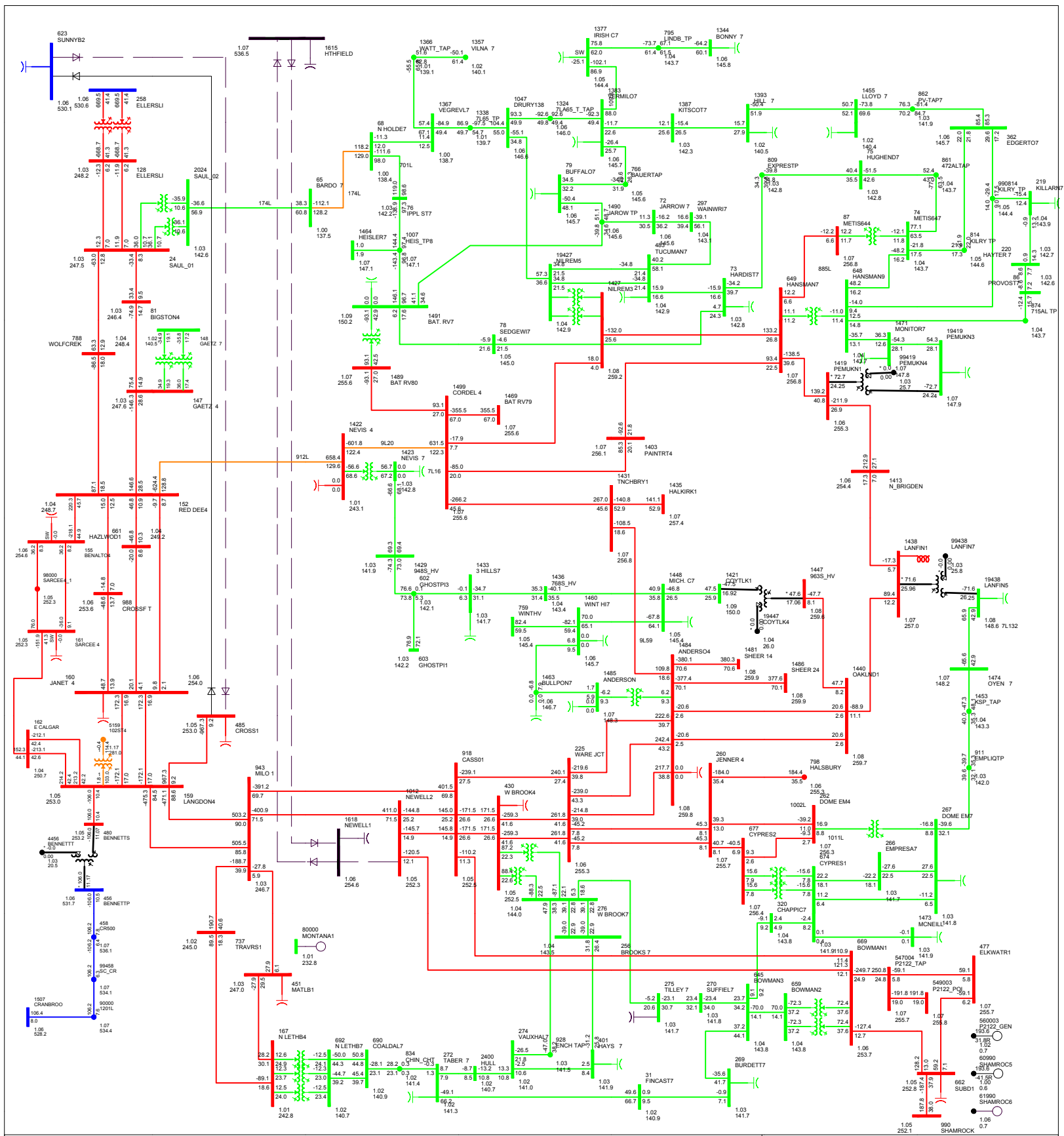
P7001 Central East Transfer Out Transmission Development
 New Generation in Study Area and SW Sub-region
 South East: 75.5 MW Central East: 0.0 MW South West: 295.0 MW
 FIG. A.65.02 FIG. A.65.01 YR.2023SP, CASE: H2, GEN SCN 2
 PROJECT: PRE PROJECT (NO CRPC OR CETO)
 CAP: EQUILIB
 MON. JUL 19 2020 10:18
 Controlling S.A.T.
 Tip Action: L274 BC 138V TP
 Gen: MW=65, JNS= 17, CP=RS-51, OKLD=35, HSM=42, TCH=42, LNF=51, NLR=41, DRURY=41, EDGN=42, Total=461 MW

Branch Loading: >=100.0%
 kV: <=25.00 <=69.00 <=138.00 <=240.00 <=500.00
 Bus - Voltage (kV/pu)
 Branch - MW/Loading
 Equipment - MW/Loading



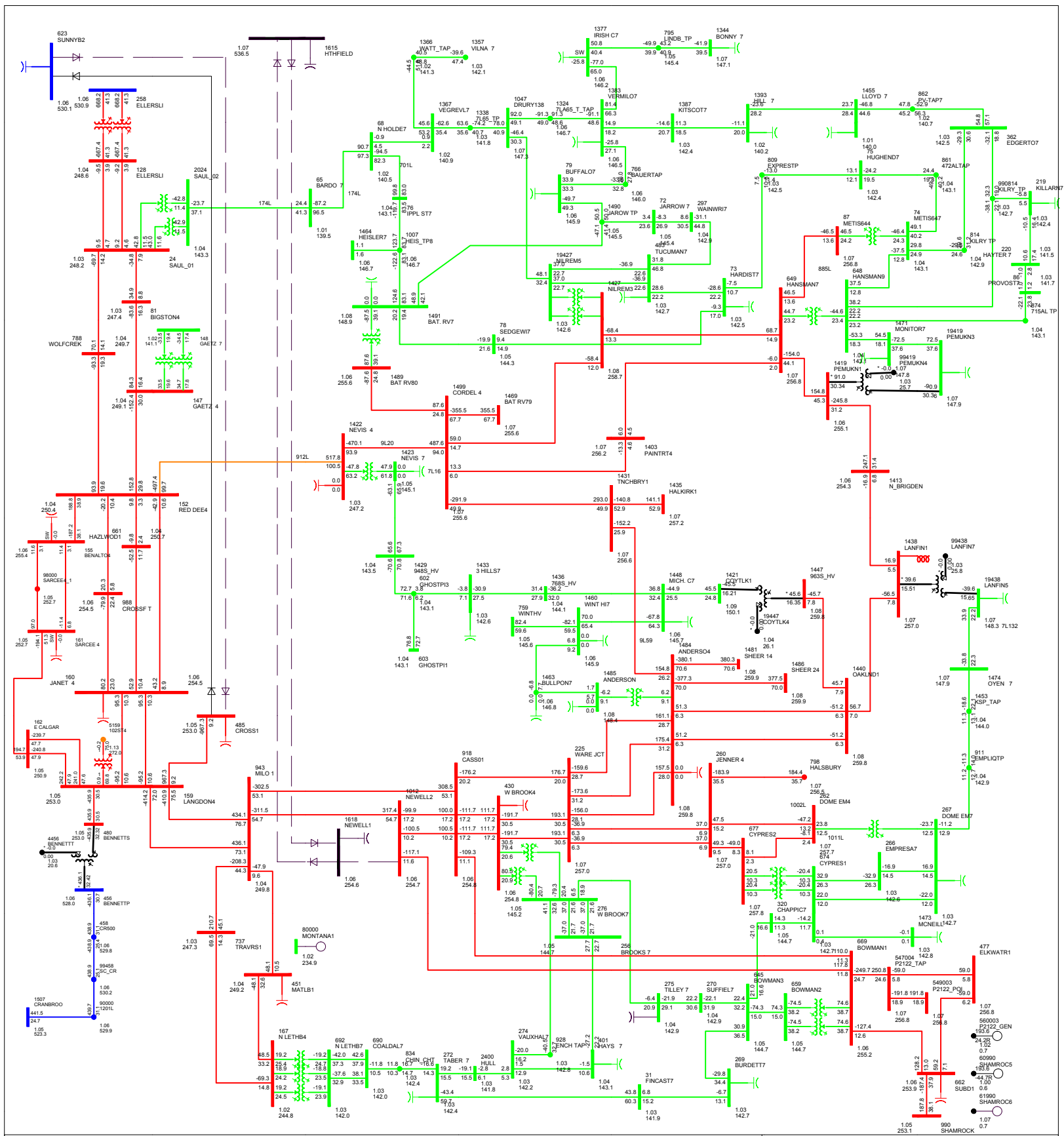
P7001 Central East Transfer Out Transmission Development
 New Generation in Study Area and SW Sub-region
 South East: 0.0 MW Central East: 582.7 MW South West: 0.0 MW
 FIG. A-66.YR.2023SP.CASE.H2: GEN SCN 2
 PROJECT: PRE PROJECT (NO CRPC OR DETO)
 CAP: CE
 MON: JUL 19 2023 10:19
 Contingency: Base
 Trip Action: None
 Generated: Not Applied

Branch Loading: >=100.0%
 kV: <=25.000 <=69.000 <=138.000 <=240.000 <=500.000
 Bus - Voltage (kV/pu) Branch - MW/Loading Equipment - MW/Loading



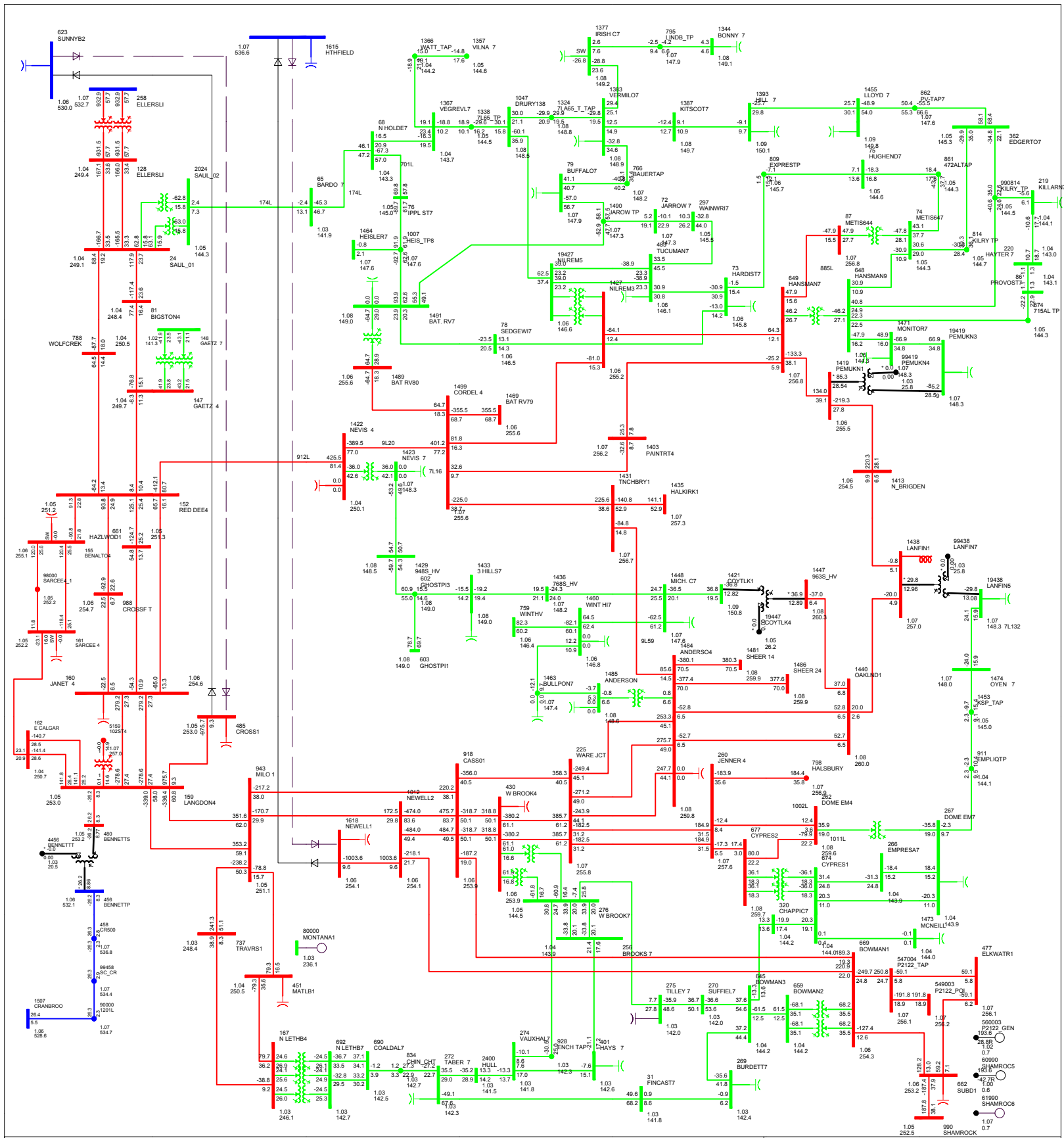
P7001 Central East Transfer Out Transmission Development
 New Generation in Study Area and SW Sub-region
 South East: 0.0 MW Central East: 582.7 MW South West: 0.0 MW
 FIG. A.67.01.YR.2023SP.CASE.H2.GEN.S2
 PROJECT: PRE PROJECT (NO CRPC OR CETO)
 CAP: CE
 MON. JUL 19 2020 10:19
 Contingency: SA1
 Trip Action: None
 Connected: Not Applied

Branch Loading: >=100.0%
 kV: <=25.00 <=69.00 <=138.00 <=240.00 <=500.00
 Bus - Voltage (kV/pu) Branch - MW/Loading
 Equipment - MW/Loading



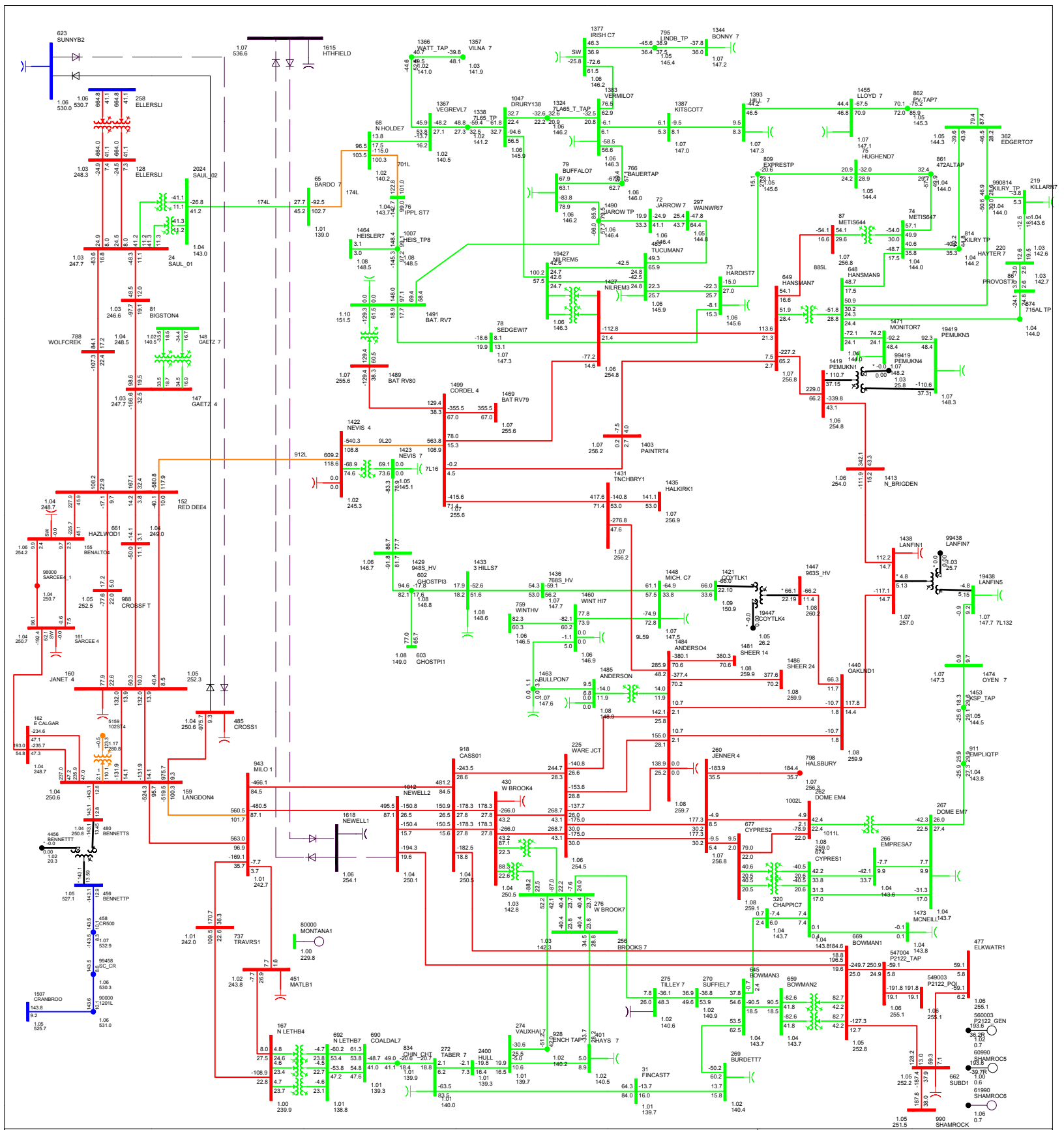
P7001 Central East Transfer Out Transmission Development
 New Generation in Study Area and SW Sub-region
 South East: 0.0 MW Central East: 124.8 MW South West: 0.0 MW
 FIG. A-67.02 FIG. A-67.01 3/9/2023SP; CASE: H2; GEN SEN 2
 PROJECT: PRE PROJECT (NO CRPC OR DETO)
 CAP. CE
 MON. JUL 19 2020 10:19
 Contingency: SA11
 Trip Action: None
 Gen: 145; TCHB: 17; LNF: 145; NLR: 17; DRURY: 19; EDGN: 145; Total: 457 MW

Branch Loading: >=100.0%
 kV: <=25.00V <=69.00V <=138.00V <=240.00V <=500.00V
 Bus - Voltage (kV/pu) Branch - MW/Loading
 Equipment - MW/Loading



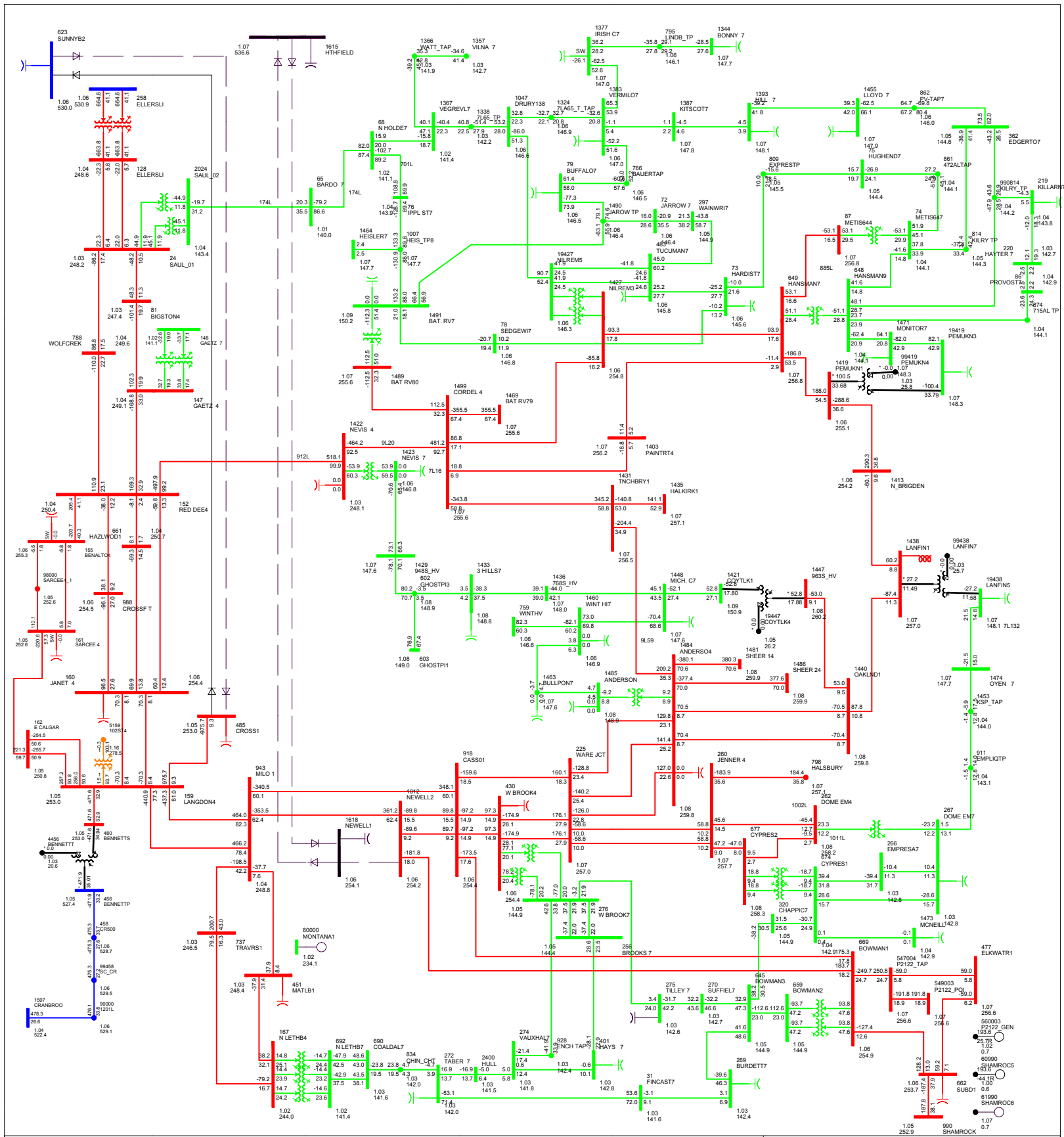
P7001 Central East Transfer Out Transmission Development
 New Generation in Study Area and SW Sub-region
 South East: 678.0 MW Central East: 0.0 MW South West: 0.0 MW
 FIG. A-68.YR.2023SP.CASE.H2: GEN.SCN.2
 PROJECT: PRE-PROJECT (NO CRPC OR DETO)
 CAP: SE
 MON. JUL. 13 2020 10:21
 Contingency: Base
 Trip Action: None
 Connected/Not Applied

Branch Loading: >=100.0%
 kV: <=25.00V <=69.00V <=138.00V <=240.00V <=500.00V
 Bus - Voltage (kV/pu) Branch - MW/Loading Equipment - MW/Loading



P7001 Central East Transfer Out Transmission Development
 New Generation in Study Area and SW Sub-region
 South East: 678.0 MW Central East: 0.0 MW South West: 0.0 MW
 FIG. A.69.01.1R.2023SP. CASE: H2: GEN SCN 2
 PROJECT: PRE PROJECT (NO CRPC OR CETO)
 CAP: SE
 MON: JUL 19 2020 10:21
 Contingency: S.A.T.
 Trip Action: None
 Connected: Not Applied

Branch Loading: >=100.0% <=99.0% <=98.0% <=97.0% <=96.0%
 kV: <=25.000 <=69.000 <=138.000 <=240.000 <=500.000
 Bus - Voltage (kV/pu) Branch - MW/Loading Equipment - MW/Loading



P7001 Central East Transfer Out Transmission Development

New Generation in Study Area and SW Sub-region
 South East: 211.2 MW Central East: 0.0 MW South West: 0.0 MW
 FIG. A-69.02 FIG. A-69.01 3R-2023SP, CASE: H2, GEN SCN 2
 PROJECT: PRE PROJECT (NO CRPC OR DETO)
 CAP. SE
 MON. JUL 19 2020 10:22
 CONTINUING: S.A.T.
 Trip Action: None
 GenMech: NLR:131 CPRS:-171, OKLD:-164, HSM: 0, TCHB: 0, LNF: 0, NLR: 0, DRURY: 0, EDGN: 0, Total: 468 MW

Branch Loading: >=100.0%
 kV: <=25.000 <=69.000 <=138.000 <=240.000 <=500.000 Bus - Voltage (kV/pu) Branch - MW/Loading Equipment - MW/Loading