

FNM Scope for FNM 21M8 DB107

(Production 8/25/2021)

Revision History – Final Scope Due by 5/6/2021

Effective Date	Version	Description
6/17/2021	1.0	Final scope by due date. The scope is considered finalized without any addendum attached.
8/23/2021	2.0	Add additional information

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I. NRI Projects

No	PTO	Resource ID	Project Name	Project Key	Capacity (MW)	POD	Additional Information
1	PGAE	SLATE_2_SLASR1	Slate	15AS884504	50.5	MUSTANG 230KV Bus	New Solar resource
2	PGAE	SLATE_2_SLASR2	Slate 2	20GEN13474	93	MUSTANG 230KV Bus	New Solar resource
3	PGAE	SLATE_2_SLASR3	Slate 3	20GEN13738	67.5	MUSTANG 230KV Bus	New Solar resource
4	PGAE	PEASE_1_TBEBT1	Tierra Buena Energy Storage	20NGR14659	5	PEASE 115KV Bus	New Non-Generation resource
5	PGAE	CLAP_TRNQLT_LOAD	RE Tranquillity CLAP	21CLAP18174	3	TRANQUILITY SW STA 230 KV BUS	New Custom LAP resource
6	PGAE	WILLMS_6_ARBBM1	Abel Road Bioenergy	21GEN15557	3	CORTINA 60KV Bus	New Conventional resource
7	PGAE	GRNLF1_1_PLIX2	Greenleaf 1	21GEN19230	60		New Conventional resource
8	SCE	TOWNSITE_2_MEADDYN	Townsite Solar BESS	20DYN13995	90	MEAD230	New Dynamic resource
9	SCE	CLINESCO_3_PVDYN	Clines Corners	20DYN14365	129.94		New Dynamic resource
10	SCE	DURNMESA_3_WBDYN	Duran Mesa	20DYN14367	105.08		New Dynamic resource
11	SCE	TECOLOTE_3_WBDYN	Tecolote Wind	20DYN14368	271.68		New Dynamic resource
12	SCE	CLAP_GARLND_LOAD	Garland B CLAP	21CLAP18173	3	220KV BUS WIRLWIND	New Custom LAP resource
13	SCE	CLINESCO_3_WBDYN	Clines Corners B	21DYN15140	194.28		New Dynamic resource
14	SCE	REDCLOUD_3_PVDYN	Red Cloud Wind	21DYN16788	349.68		New Dynamic resource
15	SCE	TULARE_2_TFCBM1	LB Trigen Fuel Cell 1	21GEN17836	2.8	RECTOR 230KV Bus	New Conventional resource
16	SDGE	DREWSR_2_BHSSR1	Blue Hornet Solar	11AS716919	100	230KV NORTHWEST BUS IMPERIAL VALLEY	New Solar resource
17	SDGE	CLAP_DREWSR_LOAD	Drew Solar CLAP	21CLAP15022	100	230KV NORTHWEST BUS IMPERIAL VALLEY	New Custom LAP resource
18		PGNP_1_PDRP38	PGNP_1_PDRP38	21RIG15603	9.95		RIG Reconfiguration
19			DVLCYN_1_UNITS	21RIG15954	235		RIG Reconfiguration
20			PCWA-RIG-2021-1	21RIG16115	210		RIG Reconfiguration
21			Pajuela Peak - Wind Resource II	21RIG16530	21.795		RIG Reconfiguration
22			Carlsbad 2 IRG388	21RIG16627	105.5		RIG Reconfiguration
23			Colusa Generating IRG003A	21RIG16632	641		RIG Reconfiguration
24			Argus Cogen (IRG104)	21RIG16682	68		RIG Reconfiguration
25			3 Add New Gov Telemetry Points North RIG	21RIG16703	0		RIG Reconfiguration
26			Gateway Generating Station (GATWAY)	21RIG16790	590		RIG Reconfiguration

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No	PTO	Resource ID	Project Name	Project Key	Capacity (MW)	POD	Additional Information
27			Delta Energy Center RIG Reconfiguration- BAL-003 Project 2021	21RIG17835	861		RIG Reconfiguration
28			Los Esteros RIG Reconfiguration BAL-003 Project 2021	21RIG17849	310		RIG Reconfiguration
29			Los Medanos RIG Reconfiguration- BAL-003 Project 2021	21RIG17850	580		RIG Reconfiguration
30			Metcalf Energy Center RIG Reconfiguration- BAL-003 Project 2021	21RIG17851	593		RIG Reconfiguration
31			Otay Mesa RIG Reconfiguration- BAL-003 Project 2021	21RIG17852	603		RIG Reconfiguration
32			Pastoria RIG Reconfiguration- BAL-003 Project 2021	21RIG17853	799		RIG Reconfiguration
33			Russell City Energy Center RIG Reconfiguration- BAL-003 Project 2021	21RIG17854	620		RIG Reconfiguration
34			Marsh Landing [IRG069]	21RIG17855	800		RIG Reconfiguration
35			Berry Petroleum Cogen 38-18 (IDG122)	21RIG17915	37.5		RIG Reconfiguration
36			Ocotillo Express LLC	21RIG17927	265		RIG Reconfiguration
37			Grady Wind Energy Center, LLC	21RIG17928	200		RIG Reconfiguration
38			Berry Petroleum Cogen 42 (IDG124)	21RIG18008	42		RIG Reconfiguration
39			HYATT-THERMALITO PUMP-GEN (AGGREGATE)	21RIG18237	933.1		RIG Reconfiguration
40			DEVIL CANYON HYDRO UNITS 1-4 AGGREGATE	21RIG18238	235		RIG Reconfiguration
41		PGEB_2_PDRP107	PGEB_2_PDRP107	21RIG18257	2.5		RIG Reconfiguration
42		PGNP_2_PDRP52	PGNP_2_PDRP52	21RIG18258	2.5		RIG Reconfiguration
43		SCEC_2_PDRP185	SCEC_2_PDRP185	21RIG18259	2.5		RIG Reconfiguration
44			Lodi Energy Center IRG027	21RIG18568	304		RIG Reconfiguration

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II. Transmission Projects

No	PTO	RIMS ID	Project Name	Project Key
1	GLW	21TRANS16088	Gamebird 230kV Sub	ET4590
2	GLW	21TRANS16088	Gamebird 230kV Sub	ET4591
3	GLW	21TRANS16088	Gamebird 230kV Sub	ET4592
4	GLW	21TRANS16088	Gamebird 230kV Sub	ET4593
5	GLW	21TRANS16088	Gamebird 230kV Sub	ET4594
6	GLW	21TRANS16088	Gamebird 230kV Sub	ET4595
7	GLW	21TRANS16088	Gamebird 230kV Sub	ET4596
8	GLW	21TRANS16088	Gamebird 230kV Sub	ET4597
9	GLW	21TRANS16088	Gamebird 230kV Sub	ET4598
10	GLW	21TRANS16088	Gamebird 230kV Sub	ET4599
11	GLW	21TRANS16088	Gamebird 230kV Sub	ET4600
12	GLW	21TRANS16088	Gamebird 230kV Sub	ET4601
13	GLW	21TRANS16088	Gamebird 230kV Sub	ET4602
14	GLW	21TRANS16088	Gamebird 230kV Sub	ET4603
15	GLW	21TRANS16088	Gamebird 230kV Sub	ET4604
16	GLW	21TRANS16088	Gamebird 230kV Sub	ET4605
17	GLW	21TRANS16088	Gamebird 230kV Sub	ET4606
18	GLW	21TRANS16088	Gamebird 230kV Sub	ET4607
19	GLW	21TRANS16088	Gamebird 230kV Sub	ET4608
20	GLW	21TRANS16088	Gamebird 230kV Sub	ET4609
21	GLW	21TRANS16088	Gamebird 230kV Sub	ET4610
22	GLW	21TRANS16088	Gamebird 230kV Sub	ET4611
23	GLW	21TRANS16088	Gamebird 230kV Sub	ET4612
24	PGAE	20TRANS13600	Caribou-Palermo 115 kV Line Structure Removal	ET4438
25	PGAE	20TRANS13600	Caribou-Palermo 115 kV Line Structure Removal	ET4627
26	PGAE	20TRANS13600	Caribou-Palermo 115 kV Line Structure Removal	ET4628
27	PGAE	20TRANS13600	Caribou-Palermo 115 kV Line Structure Removal	ET4629
28	PGAE	20TRANS14533	PSPS T-SCADA Switches Wave 3	ET4527
29	PGAE	20TRANS14533	PSPS T-SCADA Switches Wave 3	ET4528
30	PGAE	20TRANS14533	PSPS T-SCADA Switches Wave 3	ET4529
31	PGAE	21TRANS17787	Konocti Replace Bank 2 & 3 60 kV SW with CS	ET4635
32	PGAE	21TRANS18641	Vaca-Bahia, Bahia-Moraga & Parkway-Moraga 230kV line clearances (SHIELD Wire Project & Tag Work)	ET4684

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No	PTO	RIMS ID	Project Name	Project Key
33	SCE	15TRANS874077	Upgrade Eldorado-Lugo-Mohave 500 kV T/L Series Cap and Terminal Equipment (Multiple Locations)	ET4658
34	SCE	15TRANS874077	Upgrade Eldorado-Lugo-Mohave 500 kV T/L Series Cap and Terminal Equipment (Multiple Locations)	ET4659
35	SCE	15TRANS874077	Upgrade Eldorado-Lugo-Mohave 500 kV T/L Series Cap and Terminal Equipment (Multiple Locations)	ET4660
36	SCE	21TRANS16656	Devers 220 kV CBs Obsolete ICCP	ET4630
37	SDGE	15TRANS873989	TL692 Reconductor	ET2866
38	SDGE	18TRANS7902	Q838 BLUE HORNET SOLAR Generation Interconnection	ET3798
39	SDGE	21TRANS18146	Q1675 Resava Energy Storage	ET4653

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III. EIM/ RC Projects

No	Entity	Project Name	Project Key
1	NEVP_TOP	H Allen Breaker and Disconnect normal position correction	21EMS17932
2	BANC_BA	Substation\Load - Provide the full English name of the BANC substations	21EMS17864
3	AVA_BA	Generator - Additions of generating resources at FIGHTCRK, LIN_SOLR, RATSNIK, UPRIVER	21EMS15723
4	AVA_BA	Substation\Load - Significant updates to Avista's initial JOU and Pseudo Tie template submittal.	21EMS17876
5	AVA_TOP	Substation\Load - Modifications to LIND online to show connection to LIN_SOLR	21EMS15731
6	AVA_TOP	Transmission Line -	21EMS16542
7	AVA_TOP	Transmission Line -	21EMS16543
8	AVA_TOP	Substation\Load -	21EMS16666
9	AVA_TOP	Substation\Load -	21EMS16673
10	GCPD_TOP	Transmission Line - Line Ratings Correction	21EMS17985
11	GCPD_TOP	Transmission Line - Line Ratings Correction	21EMS17986
12	TIDC_BA	Transmission Line - Fairground-College transmission line section reconductored to 954 ACSS	21EMS14964
13	TIDC_BA	Breaker(s)\ Disconnect(s) - Add new switches 503, 513 and 523	21EMS14965
14	TIDC_BA	Transformer - Settings	21EMS15024
15	TIDC_BA	Substation\Load - Response to CAISO request for English Name for substations	21EMS16510
16	TIDC_BA	Breaker(s)\ Disconnect(s) - FNM modified to for switch changes	21EMS17982
17	TIDC_BA	Transmission Line - Fairground-College transmission line section reconductored to 954 ACSS	21EMS17983
18	TIDC_BA	Breaker(s)\ Disconnect(s) - Removed switch 506, 508, 516, 518. Added switch 503, 513, 523, 531, 541, 542	21EMS17984
19	PGE_TOP	PGE default breaker statuses	21EMS17879
20	CEN_BA	Substation\Load - Addition of New Substation GWY	21EMS16188
21	CEN_BA	Substation\Load - Addition of New Substation GWY	21EMS16189
22	CEN_BA	Transmission Line - Removal and Addition of Transmission Line in 161 kV Grid	21EMS16190
23	CEN_BA	Transmission Line - Removal and Addition of Transmission Line in 161 kV Grid	21EMS16191
24	AZPS_BA	OMS_34_Equipment_Long_Names_to_RDFID_v4.xlsx	21EMS18236
25	IID_BA	COCHLA Xfmer naming and Rating	21EMS18604
26	BPAT_BA	Generator - BPA Dynamic generator model mapping fixed for missing gens.	21EMS18478
27	BPAT_BA	Generator - BPA Dynamic generator model mapping fixed for missing gens.	21EMS18479

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No	Entity	Project Name	Project Key
28	BPAT_BA	Generator - BPA Dynamic generator model mapping fixed for missing gens.	21EMS18480
29	BPAT_BA	Generator - BPA Dynamic generator model mapping fixed for missing gens.	21EMS18481
30	BPAT_BA	Generator - BPA Dynamic generator model mapping fixed for missing gens.	21EMS18483
31	BPAT_BA	Generator - BPA Dynamic generator model mapping fixed for missing gens.	21EMS18484
32	BPAT_BA	Contingency Definition - BPA Contingency List. Also included full contingency list "BPA_Contingency_For_CAISO_1164C.xlsx" since all contingency names got changed to comply with new requirements from RC West.	21EMS18217
33	PGE_BA	- Contingency definition update	21EMS18276
34	BPAT_BA	Contingency Definition - BPA incremental Contingency List and full contingency list: BPA_Contingency_For_CAISO_1169.xlsx	21EMS18222
35	AZPS_BA	- Updated common name for all APS Equipment	21EMS18345
36	AZPS_BA	- Update moved over 60 KV measurements from busbar to equipment end per CAISO request	21EMS18346
37	AZPS_BA	Transmission Line - Update over 100 impedances for APS owned lines	21EMS18347
38	AZPS_BA	Breaker(s)\ Disconnect(s) - Update switching field name from LUCID to LUCX (69KV)	21EMS18350
39	AZPS_BA	Breaker(s)\ Disconnect(s) - Addition of switching fields U4895, U4899 (69KV)	21EMS18351
40	AZPS_BA	Substation\Load - Addition of AJ EQL due to 12KV removal (69KV)	21EMS18352
41	AZPS_BA	Substation\Load - Removal of 12KV portion of station until retooling is complete, replaced with a load equivalent	21EMS18353
42	AZPS_BA	Breaker(s)\ Disconnect(s) - Removal of switching field K7367 (69KV)	21EMS18354
43	AZPS_BA	Breaker(s)\ Disconnect(s) - Removal of V2421 switching field (69KV)	21EMS18355
44	AZPS_BA	Breaker(s)\ Disconnect(s) - Remove all dual modeling (230KV)	21EMS18356
45	AZPS_BA	Breaker(s)\ Disconnect(s) - Removal of switching field K2320 (69KV)	21EMS18357
46	AZPS_BA	Breaker(s)\ Disconnect(s) - Update NTUA EQL name to HB EQ (69KV)	21EMS18358
47	AZPS_BA	Breaker(s)\ Disconnect(s) - Addition of switching field NCB-XFER and SCB-XFR (230KV)	21EMS18359
48	AZPS_BA	Substation\Load - Removal of GSX equivalence (69KV)	21EMS18360
49	AZPS_BA	Breaker(s)\ Disconnect(s) - Addition of switching field MB-XFMR (69KV)	21EMS18361
50	AZPS_BA	Breaker(s)\ Disconnect(s) - Removal of switching field BPN, U8251, XFMR3H, XFMRGS (69KV)	21EMS18362
51	AZPS_BA	Breaker(s)\ Disconnect(s) - Update switching field name from BPS to BPS-CM (69KV)	21EMS18363
52	AZPS_BA	Breaker(s)\ Disconnect(s) - Update switching field name from NTUA to HB-RS (69KV)	21EMS18364
53	AZPS_BA	Substation\Load - Removal of 12KV portion of station	21EMS18365
54	AZPS_BA	Breaker(s)\ Disconnect(s) - Removal of switching field V3328 (69KV)	21EMS18366

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No	Entity	Project Name	Project Key
55	AZPS_BA	Breaker(s)\ Disconnect(s) - Addition of U6814 switching field (69KV)	21EMS18367
56	AZPS_BA	Substation\Load - Removal of Transformer T4SRP A (12KV)	21EMS18368
57	AZPS_BA	Breaker(s)\ Disconnect(s) - Addition of FDR2	21EMS18369
58	AZPS_BA	Breaker(s)\ Disconnect(s) - Removal of K6363 switching field (69KV)	21EMS18370
59	AZPS_BA	Transmission Line - Addition of line PYSARPV	21EMS18371
60	AZPS_BA	Transmission Line - Removal of line PYTPCOTP(69KV)	21EMS18372
61	AZPS_BA	Transmission Line - Removal of line PYTPCOTP(69KV)	21EMS18373
62	AZPS_BA	Substation\Load - Addition of X20 EQL and X30 EQL	21EMS18374
63	AZPS_BA	Substation\Load - Removal of X3 EQL	21EMS18375
64	AZPS_BA	Breaker(s)\ Disconnect(s) - Removal of switching fields BK-PVSAR & XFMR3H (69KV)	21EMS18376
65	AZPS_BA	Breaker(s)\ Disconnect(s) - Addition of switching fields BBUSCBUS, CB15, FDM, PV-SAR, XFMR20H, XFMR30H (69KV)	21EMS18377
66	AZPS_BA	Substation\Load - Addition 69KV station (retooled all new devices)	21EMS18378
67	AZPS_BA	Substation\Load - Addition of FDR4	21EMS18379
68	AZPS_BA	Substation\Load - Addition of FDR1	21EMS18380
69	AZPS_BA	Transformer - Update XFMR3 A medium rating (69KV)	21EMS18381
70	AZPS_BA	Substation\Load - Addition FDR5	21EMS18382
71	AZPS_BA	Substation\Load - Addition FDR29 and FDR30	21EMS18383
72	AZPS_BA	Breaker(s)\ Disconnect(s) - Removal of all dual modeling (69kv)	21EMS18384
73	AZPS_BA	Generator - Update GT3 A, GT5 A, GT7 A PMAX	21EMS18385
74	AZPS_BA	Substation\Load - Addition of FDR13	21EMS18386
75	AZPS_BA	Substation\Load - Addition of FDR1	21EMS18387
76	AZPS_BA	Shoofly Install\ Removal - Removal of BV-DG line	21EMS18388
77	AZPS_BA	Breaker(s)\ Disconnect(s) - Remove all dual modeling (69KV)	21EMS18389
78	AZPS_BA	Breaker(s)\ Disconnect(s) - Removal of XFMR11EQL, XFMR19EQL and XFMR3EQL now that 12KV is in the model (69KV)	21EMS18390
79	AZPS_BA	Breaker(s)\ Disconnect(s) - Removal of WBUSCBUS switching field (69KV) Addition of WBS-CBS and XFMR3H switching fields (69KV)	21EMS18391
80	AZPS_BA	Substation\Load - Addition of 12KV station	21EMS18392
81	AZPS_BA	Shoofly Install\ Removal - Removal of BV-DG line	21EMS18393
82	AZPS_BA	Breaker(s)\ Disconnect(s) - Removal of dual modeling	21EMS18394

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No	Entity	Project Name	Project Key
83	AZPS_BA	Shunt Cap\Reactor\ SVDĀ,Āĳs - Update series device (capacitor) CB7S1 A reactance (500KV)	21EMS18348
84	AZPS_BA	Shunt Cap\Reactor\ SVDĀ,Āĳs - Update series device (capacitor) CB5S1 A reactance (500KV)	21EMS18349
85	AZPS_BA	Breaker(s)\ Disconnect(s) - Removal of K76-78X switching field (69kv)	21EMS18395
86	AZPS_BA	Substation\Load - Addition of FDR17 and FDR25 (12kv)	21EMS18396
87	AZPS_BA	Breaker(s)\ Disconnect(s) - Removal of K6985 switching field (69KV)	21EMS18397
88	AZPS_BA	Breaker(s)\ Disconnect(s) - Addition of to NBS-SBS switching field (12KV)	21EMS18398
89	PGE_BA	RAS - RAS screenshot	21EMS18274
90	BCHA_RC	Transmission Line - deleted	21EMS18399
91	BCHA_RC	Transmission Line - deleted	21EMS18400
92	BCHA_RC	Transmission Line - deleted	21EMS18401
93	BCHA_RC	Transmission Line - deleted	21EMS18402
94	BCHA_RC	Transformer - deleted	21EMS18403
95	BCHA_RC	Transformer - deleted	21EMS18404
96	BCHA_RC	Substation\Load - deleted	21EMS18405
97	BCHA_RC	Equipment Type - Updated ICCP	21EMS18406
98	BCHA_RC	Generator - Update max operating active power	21EMS18418
99	BCHA_RC	Transmission Line - deleted	21EMS18419
100	BCHA_RC	Transmission Line - deleted	21EMS18420
101	BCHA_RC	Transmission Line - deleted	21EMS18421
102	BCHA_RC	Transmission Line - deleted	21EMS18422
103	BCHA_RC	Transformer - deleted	21EMS18423
104	BCHA_RC	Transformer - deleted	21EMS18424
105	BCHA_RC	Substation\Load - deleted	21EMS18425
106	BCHA_RC	Equipment Type - Updated ICCP	21EMS18426
107	BPAT_BA	Shunt Cap\Reactor\ SVDĀĳs - New G1S1 and G1S2 shunt caps added.	21EMS18218
108	BPAT_BA	Transformer - New bank 5 230/115kV transformer and bay added.	21EMS18219
109	BPAT_BA	Substation\Load - Owned by Snohomish PUD added to BPA model.	21EMS18220
110	BPAT_BA	Substation\Load -	21EMS18221

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No	Entity	Project Name	Project Key
111	BPAT_BA	Generator - Fixed TDALESPH F1 generator broken connection.	21EMS18266
112	IPCO_BA	Breaker(s)\ Disconnect(s) - Move 115T5 switch from NBTP to SHTP	21EMS18320
113	IPCO_BA	Breaker(s)\ Disconnect(s) - Rename GOWN 101X breaker to GOWN 131X	21EMS18321
114	IPCO_BA	Breaker(s)\ Disconnect(s) - Rename GOWN 101Z breaker to GOWN 131Z	21EMS18322
115	IPCO_BA	Transmission Line - Change MPSN-NHTP to MPSN-SHTP	21EMS18323
116	IPCO_BA	Substation\Load - Remove DCDD Substation	21EMS18324
117	IPCO_BA	Transmission Line - Remove ARTN-DCDD1 Line	21EMS18325
118	IPCO_BA	Generator - Remove DCDD G011 Generating Unit	21EMS18326
119	IPCO_BA	Breaker(s)\ Disconnect(s) - Remove GSHN 10A1, 10A10, 10A11, 10A14, 10A16, 10A17, 10A19, 10A2, 10A3, 10A4, 10A6, 10B13, 10B15, 10C30, 10C34	21EMS18327
120	IPCO_BA	Breaker(s)\ Disconnect(s) - Remove DCDD X-18, X-25 Switches	21EMS18328
121	IPCO_BA	Breaker(s)\ Disconnect(s) - Remove IDAHOME 1644 Switch	21EMS18329
122	IPCO_BA	Breaker(s)\ Disconnect(s) - Remove DCDD P-23 Breaker	21EMS18330
123	IPCO_BA	Breaker(s)\ Disconnect(s) - Remove GSHN 303, 343 Breakers	21EMS18331
124	IPCO_BA	Transformer - Add SHSH T131 Transformer	21EMS18332
125	IPCO_BA	Breaker(s)\ Disconnect(s) - Add GSHN 10A1, 10A10, 10A11, 10A3, 10A4, 10A6, 10A7, 10A9, 10B13, 10B14, 10B16, 10B17, 10B19, 10B22, 10C25, 10C27, 10C28, 10C30, 10C31, 10C33, 10C34, 10C36 Switches	21EMS18333
126	IPCO_BA	Breaker(s)\ Disconnect(s) - Add SHSH 101C, 131H, 051X, 052T, 053B, 053C, 054B, 054C, 055B, 055C, MOBL Switches	21EMS18334
127	IPCO_BA	Breaker(s)\ Disconnect(s) - Add MPSN 307X, 308B, TMP1, TMP2 Switches	21EMS18335
128	IPCO_BA	Breaker(s)\ Disconnect(s) - Add GSHN 10A2, 10A5, 10A8, 10B15, 10B18, 10C26, 10C29, 10C32 Breakers	21EMS18336
129	IPCO_BA	Breaker(s)\ Disconnect(s) - Add SHSH 101A, 051Z, 055A Breakers	21EMS18337
130	IPCO_BA	Breaker(s)\ Disconnect(s) - Add MPSN 307Z Breaker	21EMS18338
131	IPCO_BA	Transmission Line - Add SHSH-SHTP Line	21EMS18339
132	IPCO_BA	Transmission Line - Add NBTP-SHTP Line	21EMS18340
133	IPCO_BA	- All ICCP Object IDs for IPCO_BA FNM.	21EMS18341
134	IPCO_BA	- CIM export of IPCO_BA FNM.	21EMS18342
135	LDWP_BA	Substation\Load - Red Cloud Wind Single Line Diagrams	21EMS18432
136	LDWP_BA	Substation\Load - Red Cloud Wind Coordinates / Long Name	21EMS18433

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No	Entity	Project Name	Project Key
137	LDWP_BA	Generator - Added psuedo tied generation Red Cloud Wind (In Service Nov 2021)	21EMS18434
138	LDWP_BA	Substation\Load - Added substation Red Cloud Wind	21EMS18435
139	LDWP_BA	Transformer - Deleted Out of Service HALLDALE Bank 2	21EMS18436
140	LDWP_BA	Transmission Line - Update Impedance of future line PP2-HSK	21EMS18437
141	NEVP_TOP	Generator - Added ICCP points for SOC and total output of BESS	21EMS18129
142	NEVP_TOP	Generator - Added ICCP points for SOC and total output of BESS	21EMS18130
143	NEVP_TOP	Generator - Added ICCP points for SOC and total output of BESS	21EMS18131
144	NEVP_TOP	Generator - Added ICCP points for SOC and total output of BESS	21EMS18132
145	NEVP_TOP	Transmission Line - PRSPECTR substation now online, old line between H ALLEN and GRTEON can be removed as well as EIM breakers.	21EMS18429
146	NEVP_TOP	Substation\Load - NEW SUB - THNDRMNT - linefold at IMLAY - added breakers, branches, SBUS - Will be used as POI for future GEOTHERMAL gen (Will add in DB108)	21EMS18430
147	NEVP_TOP	Substation\Load - CAL SUB is being rebuilt - old 120 SBUS was removed and replaced with new SBUS, breakers and nodding. Branches and Phase Shifters were moved over to new SBUS	21EMS18431
148	PAC_TOP	Transmission Lines - Delete GREENSP\$_GREENSPR_115	21EMS18158
149	PAC_TOP	Substation\Load - Add new substation	21EMS18159
150	PAC_TOP	Substation\Load - CAISO please change BA to PACE	21EMS18160
151	PAC_TOP	Breakers/Disconnects - Rename two switches	21EMS18161
152	PAC_TOP	Breakers/Disconnects - Rename CB 343 to 10A5, remove JP1, 10F49, 10F50	21EMS18162
153	PAC_TOP	Substation\Load - CAISO please change BA to PACE	21EMS18163
154	PGE_BA	Substation\Load - Clean up the METOR station, deleted from the FNM	21EMS18271
155	PGE_BA	Substation\Load - New Willbridge configuration	21EMS18272
156	PGE_BA	Breaker(s)\ Disconnect(s) - Add new Breaker V476_BCW1 at Biglow Canyon Windfarm	21EMS18273
157	PGE_BA	- List of ICCP points mapping	21EMS18275
158	PGE_BA	- Model Difference reoport	21EMS18277
159	PGE_BA	- Model Updates for DB107: CIMxml model file	21EMS18278
160	PSEI_BA	- ICCP list	21EMS18318
161	PSEI_BA	- full CIM model	21EMS18319
162	SRP_BA	Transformer - Added Transformer 1 and 2 MVA limits	21EMS18284

FNM Scope for FNM 21M8 DB107

(Production 8/25/2021)

No	Entity	Project Name	Project Key
163	SRP_BA	Transmission Line - Updated Neely line limits	21EMS18285
164	SRP_BA	Transmission Line - Updated Kyrene line limits	21EMS18286
165	SRP_BA	Transmission Line - Updated Amos and Morcum line limits	21EMS18287
166	SRP_BA	Transmission Line - Added bus kv measurements at Lassen	21EMS18291
167	SRP_BA	Transmission Line - Updated Henshaw to Knox line 1 and line 2 limits	21EMS18292
168	SRP_BA	Substation\Load - Measurements moved from transformer to load	21EMS18293
169	SRP_BA	Breaker(s)\ Disconnect(s) - Removed tempory switch TMP33	21EMS18294
170	SRP_BA	Breaker(s)\ Disconnect(s) - Removed Open Jumper OJ16	21EMS18295
171	SRP_BA	Breaker(s)\ Disconnect(s) - Removed tempory switch TMP3 and TMP4	21EMS18296
172	SRP_BA	Breaker(s)\ Disconnect(s) - Removed tempory switch TMP20, TMP21, and TMP22	21EMS18297
173	SRP_BA	Breaker(s)\ Disconnect(s) - Added open jumper OJ23 on branch 29E.9N_RD3	21EMS18298
174	SRP_BA	Transmission Line - Added Measurments to San Carlos and Turpen lines	21EMS18299
175	SRP_BA	Transformer - Updated measurements on GSU bank 3	21EMS18300
176	SRP_BA	Transmission Line - Updated MV Measurement location on KY_____230C38	21EMS18301
177	SRP_BA	Breaker(s)\ Disconnect(s) - Added Breaker B 34 52CS1	21EMS18302
178	SRP_BA	Transmission Line - Updated impedances of Hayden - Apache 115kV line	21EMS18303
179	SRP_BA	Transmission Line - Updated all 69KV TP's devices to type = breakers	21EMS18304
180	SRP_BA	Breaker(s)\ Disconnect(s) - Removed TMP29, TMP30, and TMP31	21EMS18305
181	SRP_BA	Breaker(s)\ Disconnect(s) - Removed temporary switch TMP37	21EMS18306
182	SRP_BA	Substation\Load - Added Bays 0A and 0B	21EMS18307
183	SRP_BA	Breaker(s)\ Disconnect(s) - Removed Open Jumper OJ17 and OJ18	21EMS18308
184	SRP_BA	Transmission Line - Updated impedances of Hunt-Amos and Hunt-Morcom lines	21EMS18309
185	SRP_BA	Transmission Line - Updated impedance of Dinosaur-Quail 69kV line	21EMS18310
186	SRP_BA	Synchronous Condenser - Updated SVC topology to include capacitor banks	21EMS18311
187	SRP_BA	Transmission Line - Updated Quail line limits	21EMS18288
188	SRP_BA	Transmission Line - Updated Barcelona line limits	21EMS18289
189	SRP_BA	Transmission Line - Updated Turpen and Walker line limits	21EMS18290

FNM Scope for FNM 21M8 DB107

(Production 8/25/2021)

No	Entity	Project Name	Project Key
190	CHPD_BA	Substation\Load - New Ohme substation to eventually replace Olds Station; looped on the Rocky Reach - North Wenatchee line between Olds Station and North Wenatchee.	21EMS18417
191	GCPD_BA	Generator - The Max MW value has been updated for PEC generator	21EMS18157
192	GCPD_BA	Generator - The Max MW value has been updated for Quincy Chute generator	21EMS18156
193	NWMT_TOP	Transmission Line - Line rating changes; new substation; removed/added switches	21EMS18314
194	NWMT_TOP	Generator - Update maximum MW for River Bend Solar	21EMS18315
195	PNM_BA	Transmission Line - Line Ratings updated	21EMS18204
196	SNPD_TOP	Substation\Load - Addition of a new 115kV substation	21EMS18164
197	SNPD_TOP	Substation\Load - Addition of a new 115kV substation	21EMS18202
198	SNPD_TOP	Substation\Load - Add new ICCP points	21EMS18268
199	SNPD_TOP	Shoofly Install\ Removal - Revised the date of the removal of Lake Chaplain's shoo-fly	21EMS18279
200	TPWR_BA	- Updated English/Common Names for Hilltop and Sunset	21EMS18511
201	TSGT_TOP	Transformer - Update of Ratings	21EMS18015
202	TSGT_TOP	Transmission Line - Update of Ratings	21EMS18016
203	TSGT_TOP	Substation\Load - RDFID to Common/English Name Mapping	21EMS18440
204	BPAT_TOP	Transmission Line - Updating Request Number 6.23	21EMS18203
205	IID_BA	Generator - Additional information requested by RC West for our Total Battery Storage, like State of Charge, and remaining MWH.	21EMS18317
206	PGE_TOP	Default breaker statues MRHL DIS PSD001_MRHL	21EMS18004
207	AVA_TOP	Generator - Adam Neilson Solar Site Info for EIM Track 3	21EMS18077
208	AVA_TOP	Substation\Load - Data for non-conforming loads requested in Track 3 mtg 2021-05-12	21EMS18153
209	AVA_TOP	Substation\Load - Adam Neilson Solar Site Environmental Info ICCP list for EIM Track 3	21EMS18199
210	AVA_TOP	Transmission Line - parameter and ratings changes for Lolo - Inmaha section of Lolo - Oxbow 230 line	21EMS18200
211	AVA_BA	Substation\Load - Pseudo-ties and aggregate Ucon & MW measurements. See the added tab for additional generation aggregate measurements per the direction of Ankit. Anything with "\$EIM_AGGR\$" in the ICCP name is an aggregated measurement for the resource.	21EMS18080
212	AVA_BA	Generator - Adam Neilson Solar Site Info for EIM Track 3 from Russell Miller to Nick Sokol	21EMS18201
213	AVA_BA	Substation\Load - added ICCP names for non-conforming loads as requested in Track 3 mtg 2021-05-19	21EMS18216
214	AVA_BA	Generator - Update SGIT with generator Pmax/Pmin values to correspond more closely with EIM GRDT values.	21EMS18283
215	WALC	Correct "destination stations" of SNV-HAPX 230 kV and SNV-HATX 230 kV Lines	21EMS18649

FNM Scope for FNM 21M8 DB107 (Production 8/25/2021)

No	Entity	Project Name	Project Key
216	NEVP_TOP	Transmission Line - A Jumper is being installed at SUMMIT as seen in the SMT_102_133_jumper.PNG file in order to accommodate an outage for PG&E. This was a last minute decision but necessary for our system. The topology change is planned to be a permanent change, however for now I have added a branch (101-102 JUMPER) and two model-only breakers that should be toggled once the jumper is in place (SMT 120 MES and SMT-NTR 120 MES). I know that the submission date was last week, but this change was unforeseen.	21EMS18556
217	BPA	Move line RIVERRO\$_FVALLY_115 to BPA	21EMS18673
218	WASN	BANC WASN-84 DeskV 9999 fix	21EMS18752
219	SVP	Scott	21EMS18985
220	BCHA_RC	Substation\Load - load QNL_LD12 is deleted	21EMS18895
221	BCHA_RC	Transmission Line - deleted	21EMS18896
222	BCHA_RC	Transmission Line - deleted	21EMS18897
223	BCHA_RC	Transmission Line - deleted	21EMS18898
224	BCHA_RC	Equipment Type - Updated ICCP	21EMS18899
225	IPCO_BA	Transformer - UPDATE T234 LIMITS AND IMPEDANCE	21EMS18857
226	IPCO_BA	Breaker(s)\ Disconnect(s) - ADD DISCONNECTOR 101X	21EMS18858
227	IPCO_BA	Transformer - ADD T131	21EMS18859
228	IPCO_BA	- All ICCP Object IDs for IPCO_BA FNM.	21EMS18860
229	IPCO_BA	- CIM export of IPCO_BA FNM.	21EMS18861
230	PGE_BA	Substation\Load - Install Mobile #6 at Brightwood station	21EMS18862
231	PGE_BA	Substation\Load - Energize the Mobile #5 at Northern station	21EMS18863
232	PGE_BA	Transmission Line - Reconfiguration of the Kelley point and new Harborton-Rivergate #2 line	21EMS18864
233	PGE_BA	- List of ICCP points mapping	21EMS18866
234	PGE_BA	- Model Difference reoport	21EMS18868
235	PGE_BA	- Model Updates for DB108: CIMxml model file	21EMS18869
236	SNPD_TOP	Transmission Line - Updated ratings	21EMS18931
237	SRP_BA	Substation\Load - Removed 115kV bus voltage measurement	21EMS18842
238	SRP_BA	Substation\Load - Removed 69kV bus voltage measurement	21EMS18843