

ID	Network Upgrades	Description	PTD	Study	Type of Upgrade	Category	Status	Trigger Year	Current Expected Construction Start	Expected CPUC Permit Application	Expected In-Service Jul 2023 TDF	Expected In-Service Oct 2023 TDF	Expected In-Service Jan 2024 TDF (Current)	Aggregate MW in Queue with Executed LGIA	Notes
C13P1-GPN06	Birds Landing 230 kV CBs 422, 222, 412, 212 Overload Mitigation	Upgrade Birds Landing Sw Sta 230 kV bays 1 and 2 to 3000 A equipment and replacing 6 circuit breakers and associated switches/relays	PG&E	C13			Removed							0	Removed
C13P2-4FT04	Jackson Switching Station (CHS Site 20)		PG&E	C13			Removed							0	Removed
C13P2-4FT05	CHS Site 8		PG&E	C13			Removed							0	Removed
CBP2-F17	Panache 115 kV circuit breakers 152 overstress	Replace Panache 115 kV circuit breakers 152 and associated switches/relays	PG&E	C9	Reliability	SCD overstress	Removed							0	Removed
C13P2-PNU-02	Gates 230 kV circuit breakers 352, 362 and 372 overstress mitigation (Cap Banks)	Replace Gates 230 kV circuit breakers 352, 362 and 372 with 63 kA interrupting capability	PG&E	C12	Reliability	SCD overstress	In-Service	2022	Oct-22		Jul-23	Jul-23	Jul-23	2992.67	In-Service
CBP2-F13-F15	Gates 230kV Bus Section E and CB 312, 322, 3102, 2202 overstress mitigation (BAAH)	Gates Substation 230 kV circuit breakers 312, 322, 2102, 2202 over stress - convert bus section E to BAAH and move Panache-Gates #1 and #2 230 kV lines and Q1117/Q1120/Q1139/Q1134/Q1242/Q1243 into bus section E	PG&E	C9	Reliability	Bus Flow	In-Service	2019	Aug-21		Apr-23	Apr-23	Apr-23	1993.95	In-Service
C12P1-NPN02	Loof Substation 60 kV circuit breakers 12 and 22 overstress		PG&E	C12	Reliability	SCD overstress	In-Service	2011	Aug-20		May-22	May-22	May-22	0	In-Service
22rsm-3	Metcalf 230 kV Substation Circuit Breaker #No 292 Upgrade	Upgrade Metcalf Circuit Breaker #292 due to overstress issues	PG&E		Capacity		In-Service	2022			Sep-22	Sep-22	Sep-22	1395	In-Service
C13P2-GPN04	Metcalf Substation 230 kV capacitor circuit breakers Interim Solution	Metcalf Substation 230 kV capacitor circuit breakers Interim Solution	PG&E	C13	Reliability	SCD overstress	In-Service	2018	Oct-22		Nov-22	Nov-22	Nov-22	2195	In-Service
20vsm-3	Midway 230 kV Bus Section E overload mitigation	Replace limiting conductor and/or fittings on Bus Section E to achieve 3372 A min. rating	PG&E	RA-20	Reliability	Bus Flow	In-Service	2021			Jul-22	Jul-22	Jul-22	409.7	In-Service
C11P2-FF01	Midway 500 kV circuit breakers 732, 802, 832 and 842 overstress	Replace Midway 500 kV circuit breakers 732, 802, 832 and 842 and associated switches/relays	PG&E	C11	Reliability	SCD overstress	In-Service	2021	Dec-22		Aug-22	Aug-22	Aug-22	2100.1	In-Service
C11P2-FC01	Midway 500kV CB's 722 Overstress	Midway Sub. Replace 500kV CB's 722, SW's and Relays	PG&E	C11	Reliability	SCD overstress	In-Service	2021	Sep-22		Sep-22	Sep-22	Sep-22	2100.1	In-Service
C11P2-GRN13	Midway Substation 500 kV CB 712 overstress	Replace Midway Substation 500 kV CB 712 with 63 kA interrupting capability	PG&E	C12	Reliability	SCD overstress	In-Service	2021	Dec-22		Feb-22	Feb-22	Feb-22	1800	In-Service
C11P2-KC01	Midway Substation 500kV CB 722 Overload mitigation	Replace Midway 500 kV CB 722 to achieve 3600 A emergency rating	PG&E	C12	Reliability	Bus Flow	In-Service	2021	Dec-22		Sep-22	Sep-22	Sep-22	3231.05	In-Service
21rsm-4	Monta Vista 115 kV circuit breaker 1322 overstress	Replace Monta Vista 115 kV circuit breaker 1322	PG&E	RA-21	Reliability	SCD overstress	In-Service	2021	Oct-21		Oct-21	Oct-21	Oct-21	1200	In-Service
CBP2-6	Re-conductor Los Banos-Q779 SS #1 230 kV Line	Re-conductor 4.5 mi Los Banos-Padre Flat SS #1 230 kV Line with 1113 ACSS and upgrade equipment to 1900 A.	PG&E	C8	Deliverability	Re-conductor	In-Service	2017	Oct-22		Dec-22	Dec-22	Dec-22	632	In-Service
CBP1-35	Re-conductor Los Banos-Quinto SS 230 kV Line	Re-conductor 6.11 mi Quinto Sw Sta to Los Banos 230 kV Line with stockpiled 795 ACSS	PG&E	C8	Deliverability	Re-conductor	In-Service	2017	Mar-22		May-23	May-23	May-23	1310.42	In-Service
CBP2-N09	Re-conductor Stockton A-Weber #3 60 kV Line (Stockton A-Hazleton Jct)	Re-conductor 0.9 mi of Stockton A-Weber #3 60 kV Line from Stockton A to Hazleton Jct Pole 000/026 with 715 AAC	PG&E	C9	Deliverability	Re-conductor	In-Service	2018	Jan-22		Feb-22	Feb-22	Feb-22	25	In-Service
20vsm-7a	Tesla 500 kV circuit breaker 632 overstress	Replace Tesla 500 kV circuit breaker 632 with 63 kA interrupting capability	PG&E	RA-20	Reliability	SCD overstress	In-Service	2021	Dec-21		Dec-21	Dec-21	Dec-21	850	In-Service
C13P2-GPN01	Tesla 500 kV circuit breakers 622 overstress	Replace Tesla 500 kV circuit breaker 622 with 63 kA interrupting capability. Only went to 50 kA	PG&E	C13	Reliability	SCD overstress	In-Service	2021			Dec-21	Dec-21	Dec-21	400	In-Service
C11P2-NC01	Tesla Substation 230 kV bus section D and circuit breakers 372, 382 and 842 overstress (reactors) TESLA 230KV BUS REACTORS D - E	Increase Tesla Substation 230 kV series bus reactors between bus section C and D and D and E	PG&E	C11	Reliability	SCD overstress	In-Service	2019	Apr-22	N/A	Jun-23	Jun-23	Jun-23	2501.5	In-Service
19vsm-3	Schneider 700V Bus Normal & Outage Overload	Upgrade Schneider 70 kV Bus to 1113 kcmil AAC	PG&E	RA-19	Reliability	Bus Flow	Not Triggered							0	Q4-2023: Not triggered
C11P2-NC01	Tesla Substation 230 kV bus section D and circuit breakers 372, 382 and 842 overstress (reactors) TESLA 230KV BUS REACTORS C - D	Increase Tesla Substation 230 kV series bus reactors between bus section C and D and D and E	PG&E	C11	Reliability	SCD overstress	In-Flight	2019	Jun-23	N/A	Mar-24	Mar-24	Apr-24	2501.5	Q1-2024: schedule/construction sequencing date adjustments.
C13P1-4P702	Warrenville-Bellevue 230 kV line reconstruction	The project proposes to reinforce 45 circuit miles of the 230 kV transmission lines between Bellevue, Cottle, and Warrenville	PG&E		Capacity	Re-conductor	In-Flight	2013	Jun-22	NOC AL 6047.E	Apr-24	May-24	Apr-24	0	Q1-2024: schedule/construction sequencing date adjustments.
CBP2-3	OCBRAS-08 RAS (Deliverability Triggered RNU)	OCBRAS-08 RAS to trip Generation offline for outage AND overload of either Gates 500/230 kV Transformer Bank 11 or 12	PG&E	C8	Deliverability	RAS (Deliverability)	In-Flight	2017			May-24	May-24	May-24	2870.57	Q1-2024: Project is currently getting the telecom radio and fiber line connections completed. Testing planned for April. The Gates 500kV bank 12 ISD is planned for Q2 2024.
21rsm-3	Kern PP Substation 115 kV Cbs 182, 262 and 282 overstress (BAAH Conversion Phase 1 - ind CB282)	Kern PP Sub. Existing PG&E 115 kV BAAH conversion project will cover this replacement.	PG&E	RA-21	Reliability	SCD overstress	In-Flight	2021	Jul-21		Dec-25	Mar-25	Nov-24	200	Q1-2024: Phase 1 activity
C12P1-NP703	Gold Hill Substation 115 kV circuit breakers 142 and 172 and associated switches/relays	Replace Gold Hill Substation 115 kV circuit breakers 142 and 172 and associated switches/relays	PG&E	C12	Reliability	SCD overstress	In-Flight	2021	Jun-24		Jan-25	Jan-25	Nov-24	49.9	Q1-2024: Long Lead Material Received. Proceeding to construction contracts for Release to Civil Construction in March for CB142. Construction Start in April for CB172.
C12P1-NP703	Rio Oso Substation 115 kV circuit breakers 412, 422, 482, 522 and 542 overstress	Replace Rio Oso Substation 115 kV circuit breakers 412, 422, 482, 522 and 542 and associated switches/relays	PG&E	C12	Reliability	SCD overstress	In-Flight	2020	Jun-21		Sep-24	Dec-24	Dec-24	49.9	Q1-2024: In progress: on site construction of new Transformers, 115kV GIS System, and 230kV GIS System.
C11P2-N003	North Dublin-Cayetano 230 kV Line	Reconductor North Dublin-Cayetano 230 kV Line 2.63 miles OH Line & 2.82 UG cable with new UG cable 797 MVA/2000 A	PG&E	C11	Deliverability	Re-conductor	In-Flight	2021	Sep-24	Jan-24	Mar-25	Mar-25	Jan-25	90.8	Q1-2024: Upcoming procurement of material (6 month lead time) and EPC contract execution are in progress. Main drivers to ISD will be clearance availability and CPUC permitting.
CBP2-15	Cottonwood Substation 230 kV Circuit Breaker 522 and 542 Overstress	Cottonwood Substation 230 kV CB Overstress: Replace CB 522 & 542 (rated @ 34.5KA, overstress close-in fault is 35.179kA or 26.679kA)	PG&E	C8	Reliability	SCD overstress	In-Flight	2018	Jul-24		Dec-25	Dec-25	Feb-25	700	Q1-2024: The Circuit Breakers are expected in Q2 2024
21rsm-SCD-23	El Cerrito G 115kV CB 112, 142, 132 Overstress	Replace Overstressed Circuit Breakers	PG&E	RA-21	Reliability	SCD overstress	In-Flight	2011	Jan-24		Dec-25	May-25	May-25	0	Q1-2024: CB 112 and CB 142 have been replaced under emergency orders. CB 132 is overstressed and will be replaced by Q2 2025. Long lead materials have been ordered. Underground Transmission cable and switch expected Q1 2024.
CBP1-34	Re-conductor Padre Flat SS-Panache #1 230 kV Line	Re-conductor 32.59 mi Q779/Padre Flat SS-Panache #1 230 kV Line with 795 ACSS	PG&E	C8	Deliverability	Re-conductor	In-Flight	2017	Sep-23	Feb-23	May-24	May-25	May-25	600	Q1-2024: Phase 1 of construction is in progress and expected to be completed on time in Q2 2024. Phase 2 is expected to start on time in Q4 2024 and be completed by Q2 2025.
C11P2-NP02	Contra Costa 230kV Bus Sections D, E and F and circuit breaker 820 overload. Replaced by Line relocation project	Contra Costa PP: Re-conductor Bus Sections D, E and F. Replace circuit breaker 820.	PG&E	C11	Reliability	Bus Flow	Replaced	2021	Dec-24		May-25	May-25	May-25	490.8	Q1-2024: Scoping is complete. Long lead material scheduled to arrive in August 2024. Working toward Engineering/IFC completion, Construction Contract Execution, and Clearance coordination with other projects
C11P2-NP01	Contra Costa 230kV SW's 601, 603 overload. Replaced by Line relocation project	Contra Costa PP: Replace 230kV SW's 601 & 603 and jumpers.	PG&E	C11	Reliability	Bus Flow	Replaced	2021	Dec-24		May-25	May-25	May-25	0	Q1-2024: Scoping is complete. Long lead material scheduled to arrive in August 2024. Working toward Engineering/IFC completion, Construction Contract Execution, and Clearance coordination with other projects
C11P2-NP02	Contra Costa PP 230 kV Line Terminals Reconfiguration Project	Swap the Lone Tree line and Birds Landing Sw Sta. line between Sec 2D and Sec 2E and Move the Wind Master (Delta) line to section 2E. Replaces the need for: Contra Costa 230kV Bus Sections D, E and F and circuit breaker 820 overload	PG&E	C11	Capacity	Bus Flow	In-Flight	2022	May-24	N/A	May-25	May-25	May-25	691	Q1-2024: No date changes at this time.
20vsm-7b	Tesla 500 kV circuit breakers 542 and 642 overstress	Replace Tesla 500 kV circuit breakers 542 and 642 with 63 kA interrupting capability	PG&E	RA-20	Reliability	SCD overstress	In-Flight	2020	Jan-24		Nov-24	May-24	Jun-25	2680	Q1-2024: On 1/17/2024, a supplier informed that the circuit breakers are delayed until March 2024. Due to clearances, the project has deferring construction start to Q4 2024 with a projected in-service date of Q2 2025.
20vsm-6	20RSMTRAS-02 (Reliability) to open Bitterwater Sw Sta-Wheeler Ridge #2 230 kV Line for loss of Midway-Bitterwater 230 kV line and overload on the Midway-Wheeler Ridge #1 230 kV line.	20RSMTRAS-02 RAS to open Bitterwater Sw Sta-Wheeler Ridge #2 230 kV Line for loss of Midway-Bitterwater 230 kV line and overload on the Midway-Wheeler Ridge #1 230 kV line.	PG&E	RA-20	Reliability	RAS (Reliability)	In-Flight	2020	Jan-25		Nov-24	May-25	Jul-25	100	Q1-2024: Project depends on Midway 230kV Bus D BAAH conversion and its related MPAC install. The Dependent Generator opted to install the necessary equipment into the existing 115/230kV building. To complete the RAS, the project will move the necessary equipment from the old building to the new 230kV MPAC when it's ready and available.
CSP1-F12	Re-conductor Borden-Gregg #2 230 kV Line	Re-conductor 6.25 mi Borden-Gregg #2 230 kV Line with 1113 ACSS	PG&E	C9	Deliverability	Re-conductor	In-Flight	2017	Aug-25	Feb-24	Jan-26	Jan-26	Jan-26	632	Q1-2024: 30kV re-design package received Jan 2024. Final scope is expected March 2024.
C11P2-N001	Re-conductor Fulton-Hopland 60 kV Line (Fitch Mountain Tap-Geyers Jct)	Re-conductor Fulton-Hopland 60 kV Line (Fitch Mountain Tap 009/005A-Geyers Jct 016/004) 7 mi total length with 715 AAC	PG&E	C11	Deliverability	Re-conductor	In-Flight	2018	Oct-25	Oct-24	Jun-26	Apr-26	Mar-26	230	Q1-2024: The project has determined there is more structural scope than expected. Long lead materials expected Q2 2025. Permits expected Q2 2025.
CSP2-N02	Re-conductor Fulton-Hopland 60 kV Line (Geyers Jct- Cloverdale Jct-Hopland)	Re-conductor 24.21 mi Fulton-Hopland 60 kV Line (Geyers Jct 016/003A-Cloverdale Jct 026/002-Hopland) with 715 AAC and upgrade any limiting equipment	PG&E	C9	Deliverability	Re-conductor	In-Flight	2019	Oct-25	Oct-24	Jun-26	Apr-26	Mar-26	230	Q1-2024: The project has determined there is more structural scope than expected. Long lead materials expected Q2 2025. Permits expected Q2 2025.
Impact to C14	Tesla MPAC	New 230kV MPAC building relocates 230kV equipment from existing Control Building	PG&E	n/a	Reliability	MPAC	In-Flight	2018	Aug-25		Dec-25	Dec-25	Mar-26	0	Q1-2024: Project has experienced several delays and is likely delayed until Q3 2027. No present impact to Generation projects.
C11P2-GP01	Moraga-Castro Valley 230 kV Line Capacity Increase Project	The project scope of work involves upgrading the limiting substitution equipment (jumper conductors and wave traps) on the Moraga-Castro Valley and Castro Valley-Newark 230 kV lines to utilize their full conductor ratings.	PG&E	C11	Capacity		In-Flight	2011	Jul-24	TBD	Oct-24	Mar-26	Mar-26	90.8	Q1-2024: No date changes at this time.
20vsm-5	Tesla 500 kV circuit breaker 612 overstress	Replace Tesla Substation 500 kV CB 612 and associated switches/relays	PG&E	RA-20	Reliability	SCD overstress	In-Flight	2020	Oct-24		Jun-25	Feb-25	Mar-26	850	Q1-2024: On 1/17/2024, a supplier informed that the circuit breakers are delayed until March 2024. Due to clearances, the project has deferring construction start to Q4 2025 with a projected in-service date of Q1 2026.
C12P2-GRNU2	Gates Substation 230 kV Bus Overstress (Reactors on Bus E and F)	Install series bus reactors between Gates Substation 230 kV bus sections E and F	PG&E	C12	Reliability	SCD overstress	In-Flight	2022	Aug-24		May-24		Apr-26	2300	Q1-2024: In-Service delayed to Q2 2026 due to 42 week lead time on reactors. Civil work started in 2023. Construction resumes Q3 2024 to Q1 2025 on BUS 1. Work Resumes in Q3 2025 to Q1 2026 on BUS 2.
CBP2-1	Re-conductor Borden-Gregg #1 230 kV Line	Re-conductor 6.25 mi Borden-Gregg #1 230 kV Line with 1113 ACSS and upgrade equipment to 2000 A minimum (this is the existing Borden-Gregg 230 kV Line)	PG&E	C8	Deliverability	Re-conductor	In-Flight	2017	Jan-26	Feb-24	May-26	May-26	May-26	632	Q1-2024: 30kV re-design package received Jan 2024. Final scope is expected March 2024.
CSP1-F11	Re-conductor Dos Amigos PP-Panache #3 230 kV Line	Re-conductor 23.63 mi Dos Amigos PP-Panache #3 230 kV Line with 795 ACSS	PG&E	C9	Deliverability	Re-conductor	In-Flight	2017	Sep-25		May-25	May-26	May-26	632	Q1-2024: Project on schedule for Q2 2026 ISD. Conductor planned for delivery in Q3 2024. Tower steel planned for Q4 2024. Substation switches planned for delivery Q2 2024.
C11P2-NR01	Cottonwood Substation 230 kV circuit breakers 222, 232, 242 overstress	Replace Cottonwood Substation 230 kV circuit breakers 222, 232, 242 and associated switches/relays	PG&E	C11	Reliability	SCD overstress	In-Flight	2022	Jun-25		May-25	Jan-27	Jun-26	500	Q1-2024: Scoping is complete. Long lead material scheduled to arrive in September 2025

21rsm-1	Henrietta Substation 70kV Cbs 12 and 72 Overstress	Henrietta Sub: Replace 70kV CB 12 & 72 and switches.	PG&E	RA-21	Reliability	SCD overstress	In-Flight	2021	Jul-25		Oct-26	Oct-26	Oct-26	0	Q1-2024: Previous scope has to be confirmed with current condition within the substation. Design and Engineering to follow.
C12P1-GCR01	Moraga 115 kV circuit breakers 582, 612, 622, 642 and 712 overstress	Replace Moraga 115 kV circuit breakers 582, 612, 622, 642 and 712	PG&E	C12	Reliability	SCD overstress	In-Flight	2022	Mar-25		Nov-28	Nov-28	Dec-26	220	Q1-2024: CB 582 in-service Jan 2024. CB 612 and 622 ISD being replaced under emergency. Planned ISD Feb 2024. The remaining two breakers CB 642 and CB 712 design is complete and materials onsite.
21rsm-3	Kern PP Substation 115 kV Cbs 182, 262 and 282 overstress (BAAH Conversion Phase 3 - incl CB262)	Kern PP Sub: Existing PG&E 115 kV BAAH conversion project will cover this replacement.	PG&E	RA-21	Reliability	SCD overstress	In-Flight	2021	Jan-26		Dec-26	Dec-26	Dec-26	200	Q1-2024: Phase 3 activity
20rsm-4	Metcalf 115kV breakers Overstress (almost all breakers), install bus reactors on 230kV bunks due to existing space constraints on the 115kV Bus	Install 4-3 ohm reactors at low side of Metcalf 115 kV 230kV Transformers	PG&E	RA-20	Reliability	SCD overstress	In-Flight	2020	May-26		Jul-26	Apr-27	Mar-27	1145	Q1-2024: Delivery date for bus reactors is Q3 2025.
C12P2-LDN01	Ripon-Manteca 115 kV Line Re-conductor	Reconductor Ripon-Manteca 115 kV line 1.51 mi section of 2/0 CU and 0.92 mi 4/0 ACSR (2.43 mi total)	PG&E	C12	Deliverability	Re-conductor	In-Flight	2021	Apr-26	Feb-25	Apr-27	May-27	May-27	99	Q1-2024: This project is part of a multi-phased process to rebuild/reconductor in the Ripon-Manteca area. Long lead materials expected in Q1 2026. Permit completion is expected in Q1 2026. Project is soliciting bids for the design contract
C12P1-NPT04	Vaca Dixon Substation 230 kV circuit breakers 442, 452 and 462 overstress	Replace Vaca Dixon Substation 230 kV circuit breakers 442, 452 and 462 and associated switches/relays	PG&E	C12	Reliability	SCD overstress	Initiating	2021	Feb-26		Oct-25	Oct-25	Jun-27	1840.8	Q1-2024: Q1-2024: Project is in the process of requesting circuit breakers. If the Project cannot locate non-long lead options, the Project will become subject to significant 230kV Circuit Breaker lead times with supplier estimates of 4-1/2 years. The Project is working on improving the stated ISD.
21rsm-3	Kern PP Substation 115 kV Cbs 182, 262 and 282 overstress (BAAH Conversion Phase 4 - incl CB182)	Kern PP Sub: Existing PG&E 115 kV BAAH conversion project will cover this replacement.	PG&E	RA-21	Reliability	SCD overstress	In-Flight	2021	Nov-27		Nov-24	Feb-28	Dec-27	200	Q1-2024: Phase 4 activity
C12P1-GPT01	Ames Distribution 115 kV circuit breaker 132 overstress	Replace Ames Distribution 115 kV circuit breaker 132	PG&E	C12	Reliability	SCD overstress	In-Flight	2019	Feb-26		Mar-26	Mar-28	Mar-28	450	Q1-2024: Project Team has resumed planning. There is a change in resources for engineering. Once final scoping will resume.
C12P2-LDN04	Stanislaus-Melones SW STA-Riverbank Jct Sw Sta 115 kV Line Re-conductor	Reconductor Stanislaus-Melones Sw Sta-Riverbank Jct Sw Sta 115 kV Line 7.53 miles section of various conductors from 00Q/001-007/043 - scope taken over by the more comprehensive STAN-MELONES TAP LINES: REPL CU COND P3 project.	PG&E	C12	Deliverability	Re-conductor	In-Flight	2021	Feb-28		May-28	Jun-28	May-28	99	Q1-2024: This project is part of a multi-phased process to rebuild/reconductor in the Stanislaus-Melones area. Long lead materials expected in Q3 2027. Permit completion is expected in Q3 2026.
C12P2-LDN03	Bellota-Riverbank-Melones Sw Sta 115 kV Line 115 kV Line Re-conductor	Reconductor a total of 17 miles of Bellota-Riverbank-Melones SW STA 115 kV Line with 477 ACSR	PG&E	C12	Deliverability	Re-conductor	In-Flight	2021	Sep-27	Feb-25	Apr-28	Aug-28	Aug-28	99	Q1-2024: This project is part of a multi-phased process to rebuild/reconductor in the Bellota-Riverbank area. Long lead materials expected in Q4 2025. Permit completion is expected in Q1 2027. Project is soliciting bids for the design contract
C12P2-LDN02	Stanislaus-Melones Sw Sta-Manteca #1 115 kV Line Re-conductor	Reconductor Stanislaus-Melones Sw Sta-Manteca #1 115 kV line 25.23 miles section of various conductors from 018/115-043/277	PG&E	C12	Deliverability	Re-conductor	In-Flight	2021	Jul-26	May-25	Feb-28	Sep-28	Sep-28	99	Q1-2024: This project is part of a multi-phased process to rebuild/reconductor in the Stanislaus-Melones area. Long lead materials expected in Q2 2025. Permit completion is expected in Q2 2026. Project is soliciting bids for the design contract
22rsm-4	New 230 kV switching station to loop Dos Amigos - Panchoche # 3 230 kV	Build a new 2 bay 230 kV BAAH switching station to loop in the Dos Amigos - Panchoche # 3 230 kV Line requiring access road, land and land rights acquisition and permitting, remote end protection upgrades, and OPGW/fiber telecommunication work	PG&E	RA-22	Deliverability	New Station	Initiating				Dec-28	Dec-28	Dec-28	632	Q1-2024: Project has entered into the planning stage and has been assigned a lead PM.
CBP-10	QCBRAS-02 SPS (Deliverability Triggered RNU)	QCBRAS-02 SPS to modify the existing Hatched Ridge SPS to trip Q1106 200 MW wind and Hatched Ridge 102 MW wind for thermal overloads on the Q1106 SS-Cottonwood, Carberry SS-Round Mountain or PIR #3-Carberry SS 230 kV Lines.	PG&E	C8	Deliverability	RAS (Deliverability)	Deferred	2017	May-28		Dec-28	Dec-28	Dec-28	200	Q1-2024: ISD is dependent on the triggering Queue project's self-built switching station. ISD will be reviewed and updated when the Queue project resumes active engagement
C12P2-LDN04 overlap - see forum team comment	Manteca-Ripon-Riverbank-Melones Area 115 kV Line Re-conducting Project	Reconductor 2.4 miles between Manteca and Ripon Jct and 1.8 miles between Riverbank SW STA and Valley Home Tap	PG&E		Capacity		In-Flight	2022	Apr-28	TBD	May-26	May-28	Feb-29	0	Q1-2024: Project ISD delayed due to schedule/construction sequencing date adjustments
Impact to C14	Morro Bay MPAC	New 230kV MPAC building relocates 230kV equipment from existing Control Building	PG&E	n/a	Reliability	MPAC	Deferred	2014	Oct-27		May-28	May-29	May-29	0	Q1-2024: Project remains deferred. Not yet triggered by Generation. This project is part of sequenced upgrades related to Mesa Sub, Diablo Canyon SS, and Cal Flats SS. Long lead material expected Q3 2025. Final in-service date tied to multiple orders for the overall upgrades.
C13P1-GPN04	Metcalf Substation 230 kV capacitor circuit breakers 654, 664, 674 and 684 overstress	Replace Metcalf Substation 230 kV capacitor circuit breakers 654, 664, 674 and 684	PG&E	C13	Reliability	SCD overstress	In-Flight	2018	Sep-25		Sep-25	May-27	May-29	2195	Q1-2024: Delivery date has been changed for 4 Cbs. Original planned arrival Nov 2024, now March 2025. Delays the ISD of Dec 2026 to May 2027. Working through contracts for breaker orders. ISD at risk due to new lead times on 230kV breakers. 4-1/2 years.
21rsm-5	Palo Alto 115 kV circuit breakers 412 and 442 overstress	Replace Palo Alto 115 kV circuit breakers 412 and 442 with 63 kA interrupting capability	PG&E	RA-21	Reliability	SCD overstress	In-Flight	2021	Apr-27		Nov-27	Mar-29	Oct-29	250	Q1-2024: Project restarted with planned engineering completion in 2024. Project will plan to order materials during the scoping phase.
C13P1-KPN02	Convert Midway Substation 230 kV Bus D to BAAH	Convert Midway Substation 230 kV to BAAH in order to install bus reactors & RAS	PG&E	C13	Reliability	SCD overstress	In-Flight	2016	Mar-27		May-25	Dec-27	Feb-30	0	Q1-2024: Project is in the process of developing circuit breaker orders and is subject to significant 230kV Circuit Breaker lead times with supplier estimates of 3 years. Resuming project scheduled activities in March.
C13P1-KPN02	Midway Substation 230 kV bus and 27 circuit breakers overstress	Install 2 x 16 ohm series bus reactors between Midway Substation 230 kV bus sections D and E (16 ohm parallel / 8 ohm net)	PG&E	C13	Reliability	SCD overstress	Not Triggered							0	Q1-2024: Being triggered in Q1 2024 by new Agreement. New ISD TBD pending Project Setup, Funding, and Preliminary Scheduling.