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Presenters

Introductions – Vanessa Morgan

TPP – Nick Medina

EGI – RNUs Daniel Register

EGI – LDNUs Darrin Yoxtheimer

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Updates Since Last TDF

- Many new projects initiated since January and projects previously initiated are moving quickly into In Flight status
- For projects In Flight, delays are primarily due to long lead-time materials and scope development
- Number of projects delayed more than 6 months continues to decline
- Equipment sourcing:
 - PG&E utilizes 100% domestically sourced circuit breakers in transmission (some vendors may source foreign components)
 - Transmission class transformers are 0% domestically sourced



Presentation Summary

- PG&E workbooks capturing Generator Interconnection Projects (GIP) and Transmission Planning Process (TPP) project statuses. The Excel Workbook contains projects that have been triggered by Interconnection Agreements while it may not show all upgrades not yet triggered by an interconnection agreement, **we have made effort to show projects Not Triggered in the workbook as of this issuance.**
- This presentation provides updates and the opportunity for discussion on the status of GIP and TPP projects that are highest priority to immediate generation interconnection. This is a technical discussion on the projects.
- **PG&E requests that stakeholders save questions until the completion of each slide. Projects have been grouped to enable efficient and productive discussion.**



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PG&E Projects Status Summary 2023-2024 Transmission Plan Updates/In-Service

Project No.	Scope	Status	Planned * Const. Start	Previous TDF Report Dated	Planned ** In-Service	Comments
T.0004672	Gates 500 kV Dynamic Voltage Support	In-Service	04/03/23	03/25/25	03/25/25	Q3-2025: In-service
T.0009566	Cooley Landing 60 kV Substation Circuit Breaker No #62 Upgrade	In-Service	04/02/25	04/22/25	04/07/25	Q3-2025: In-service
T.0004421	Moraga-Castro Valley 230 kV Line Capacity Increase Project	In-Service	08/22/24	05/05/25	04/07/25	Q3-2025: In-service
T.0000614	Rio Oso 230/115 kV Transformer Upgrades	In-Service	07/05/22	05/21/25	04/30/25	Q3-2025: In-service
T.0004650	Oakland Clean Energy Initiative (MORAGA 115KV BUS UPGRADE & BK 3 SW)	In-Service	11/16/21	06/24/25	06/27/25	Q3-2025: In-service
T.0009570	Ravenswood 230/115 kV transformer #1 Limiting Facility Upgrade	Cancelled	N/A	06/13/28	N/A	Q3-2025: Cancelled per CAISO 2024-25 Transmission Plan.
T.0006815	Round Mountain 500 kV Dynamic Voltage Support	In-Flight	02/15/23	TBD	03/26/26	Q3-2025: Schedule/construction sequencing date adjustments. Round Mountain & Table Mountain Series Capacitors to be operational in October 2026. This work can/will be completed post-energization of Fern Road.
T.0009169	San Jose Area HVDC 500 kV Line (Metcalf – San Jose) - San Jose B Scope	In-Flight	06/26/28	N/A	06/28/30	Q3-2025: New Addition. CAISO added San Jose B 230 kV GIS BAAH scope in November 2024. This scope will not deter LS Power from interconnecting.

* Construction start is dependent on design strategy, CPUC permitting, obtaining necessary land / aerial rights, clearance sequence, obtaining necessary construction easements, and access to structures

** In-Service Date is subject to change through the design process as more information becomes available.



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PG&E Projects Status Summary

TPP Projects with Improvements

Project No.	Scope	Status	Planned * Const. Start	Previous TDF Report Dated	Planned ** In-Service	Comments
T.0006022	Newark 230/115 kV Transformer Bank #7 Circuit Breaker Addition	In-Flight	01/22/27	02/20/29	07/13/27	Q3-2025: Project ISD improved due to bundling efficiency with the Newark HVDC project, which will provide the MPAC this project will use
T.0009607	Tulucay-Napa #2 60 kV line Reconductoring project	In-Flight	11/06/26	07/23/27	12/17/26	Q3-2025: Project ISD improved due to ISD correction back to original ISD reported in July 2024 TDF
T.0009638	Redwood City 115kV System Reinforcement	In-Flight	02/10/28	03/14/30	02/15/29	Q3-2025: Project ISD improved due to planning and adjusting to do the Engineering and construction at the same time with South of San Mateo (T.0009639) at the same time
T.0001650	Midway-Kern PP Nos. 1,3 and 4 230 kV Lines Capacity Increase (Midway 230kV Bus Section D Upgrade Project)	In-Flight	04/07/21	08/22/30	02/01/30	Q3-2025: Project ISD improved due to recalibration in PG&E's work portfolio.
T.0004728	East Marysville 115/60 kV Project	Initiating	12/03/27	02/02/33	07/17/29	Q3-2025: Project ISD improved due to recalibration in PG&E's work portfolio. Project has not kicked off yet.
T.0010507	Rio Oso - W. Sacramento Reconductoring	Initiating	01/18/29	05/01/30	09/04/29	Q3-2025: Project ISD improved due to recalibration in PG&E's work portfolio. Project kicked off in Feb 2025
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PG&E Projects Status Summary

TPP Projects with Improvements

Project No.	Scope	Status	Planned * Const. Start	Previous TDF Report Dated	Planned ** In-Service	Comments
T.0009662	Borden-Storey 230 kV 1 and 2 Line Reconductoring	In-Flight	01/27/28	04/12/30	05/08/29	Q3-2025: Project ISD improved due to Schedule/construction sequencing date adjustments
T.0000157	Oro Loma 70 kV Area Reinforcement	In-Flight	07/07/27	08/28/28	05/16/28	Q3-2025: Project ISD improved due to Schedule/construction sequencing date adjustments
T.0000013	Red Bluff-Coleman 60 kV Reinforcement	In-Flight	07/09/26	03/28/29	01/31/28	Q3-2025: Project ISD improved due to Schedule/construction sequencing date adjustments
T.0000597	Vierra 115 kV Looping Project	In-Flight	05/21/24	05/10/27	06/03/26	Q3-2025: Project ISD improved due to Schedule/construction sequencing date adjustments
T.0001129	Cottonwood 230/115 kV Transformers 1 and 4 Replacement Project	In-Flight	05/20/26	10/20/28	05/09/28	Q3-2025: Project ISD improved due to Schedule/construction sequencing date adjustments.
T.0009559	Moss Landing – Las Aguilas 230 kV Series Reactor Project	In-Flight	05/22/26	09/01/28	12/04/26	Q3-2025: Project ISD improved due to the change in technology. Transmission planning changed their recommendation to use conventional air core reactor which is different from the original SmartValve technology
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PG&E Projects Status Summary

TPP Projects with Delays (3+ months)

Project No.	Scope	Status	Planned * Const. Start	Previous TDF Report Dated	Planned ** In-Service	Comments
T.0000946	Pittsburg 230/115 kV Transformer Capacity Increase	In-Flight	10/01/27	09/27/28	01/31/29	Q3-2025: Project ISD delayed due to delay with long lead material delivery.
T.0006159	Moraga 230 kV Bus Upgrade	Initiating	05/01/28	12/01/28	05/01/29	Q3-2025: Project ISD delayed due to recalibration in PG&E's work portfolio. Project has not kicked off yet.
T.0008048	Contra Costa PP 230 kV Line Terminals Reconfiguration Project	In-Flight	12/06/24	09/15/25	01/21/26	Q3-2025: Project ISD delayed due to schedule/clearance date adjustments for Phase 2. Phase 1 completed 5/30/25: two relocated line terminations/CB410/CB520/CCVTs/Switches/Protection Upgrades/two control enclosures and associated equipment.
T.0004116	Wilson 115 kV Area Reinforcement	In-Flight	11/24/26	08/16/29	12/21/29	Q3-2025: Project ISD delayed due to schedule/construction sequencing date adjustments
T.0001739	Rio Oso Area 230 kV Voltage Support	In-Flight	10/01/25	05/14/26	10/15/26	Q3-2025: Project ISD delayed due to scope change resulting in project being dependent on the overall Rio Oso Substation Rebuild Project.
T.0009582	Tyler 60 kV Shunt Capacitor	In-Flight	09/08/27	09/30/27	01/05/28	Q3-2025: Project ISD delayed due to scope development
T.0009596	Mesa 230/115kV Spare Transformer	In-Flight	12/02/27	03/14/29	08/23/29	Q3-2025: Project ISD delayed due to scope development study. PG&E evaluated options to either proceed with a temporary transformer connection or invest in a more permanent solution involving a new 230kV breaker bay. PG&E has opted to pursue the permanent solution.

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PG&E Projects Status Summary

TPP Projects with Delays (6+ months)

Project No.	Scope	Status	Planned * Const. Start	Previous TDF Report Dated	Planned ** In-Service	Comments
T.0009639	South of San Mateo Capacity Increase	In-Flight	05/03/28	06/22/28	02/21/29	Q3-2025: Project ISD delayed due to advanced conductor study and internal land delays to obtain L3 LiDAR data required for all three circuits
T.0009603	Garberville Area Reinforcement	In-Flight	03/31/27	12/28/27	08/28/28	Q3-2025: Project ISD delayed due to advanced conductor study, and how to install fiber for protection
T.0009536	Metcalf-Piercy & Swift and Newark-Dixon Landing 115 kV Upgrade	In-Flight	12/16/27	05/12/28	04/04/30	Q3-2025: Project ISD delayed due to changes in project scope in 24-25 CAISO TPP. Added reconductoring of McKee-Piercy 115kV line to scope. Project undergoing design changes, project charter, and Gate Review Board process due to scope change.
T.0009550	Los Banos 230 kV Circuit Breakers Replacement	In-Flight	06/03/27	04/01/28	12/04/29	Q3-2025: Project ISD delayed due to dependency on WRO New SS for Los Banos-Panoche 230kV. That project still needs to acquire land for the switching station.
T.0004805	Jefferson 230 kV Bus Upgrade	In-Flight	11/05/26	11/06/26	06/13/28	Q3-2025: Project ISD delayed due to LLM will not be received until November 2027. This CB is being taken/swap from Los Banos project.
T.0008870	Coppermine 70 kV Reinforcement Project	In-Flight	01/04/27	06/13/28	04/05/30	Q3-2025: Project ISD delayed due to long lead time for substation equipment
T.0009530	Table Mountain Second 500/230 kV Transformer	In-Flight	05/17/27	10/13/27	05/09/29	Q3-2025: Project ISD delayed due to long lead time materials delay

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PG&E Projects Status Summary

TPP Projects with Delays (6+ months)

Project No.	Scope	Status	Planned * Const. Start	Previous TDF Report Dated	Planned ** In-Service	Comments
T.0003202	Midway – Kern PP #2 230 kV Line (Bakersfield-Kern Reconductor)	In flight	04/27/26	09/30/30	01/07/32	Q3-2025: Project ISD delayed due to PG&E assessing and confirming need for project
T.0009529	Atlantic High Voltage Mitigation	In-Flight	11/02/27	04/23/27	04/05/28	Q3-2025: Project ISD delayed due to project being rescoped in 2023-24 CAISO Transmission Planning Process
T.0004889	Coburn-Oil Fields 60 kV system project	In flight	06/15/29	09/06/30	09/05/31	Q3-2025: Project ISD delayed due to project development, resulting in a delay in initiation
T.0000156	Wheeler Ridge Junction Substation	In-Flight	03/01/28	07/11/33	05/01/34	Q3-2025: Project ISD delayed due to project team working on the engineering and permitting process (PEA for PTC permit)
T.0010228	Tejon Area Reinforcement	Initiating	06/14/28	08/01/27	08/30/28	Q3-2025: Project ISD delayed due to recalibration in PG&E's work portfolio. Project has not kicked off yet.
T.0010636	Tesla - Newark 230 kV Line No. 2 Reconductoring	In-Flight	12/11/29	05/01/34	12/29/34	Q3-2025: Project ISD delayed due to recalibration in PG&E's work portfolio. Project kicked off in Feb 2025
T.0000304	Mosher Transmission Project	In flight	03/11/27	02/17/28	11/17/28	Q3-2025: Project ISD delayed due to recalibration in PG&E's work portfolio. Project kicked off in July 2025
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PG&E Projects Status Summary

TPP Projects with Delays (6+ months)

Project No.	Scope	Status	Planned * Const. Start	Previous TDF Report Dated	Planned ** In-Service	Comments
T.0009633	North East Kern 115 kV Line Reconductoring	In-Flight	12/23/27	08/20/29	12/01/31	Q3-2025: Project ISD delayed due to recalibration in PG&E's work portfolio. Project kicked off in March 2025
T.0009719	Ignacio Area Upgrade	In-Flight	04/30/27	02/10/28	01/03/29	Q3-2025: Project ISD delayed due to RFP process & creation and execution of engineering contract, Substation & Distribution related study
T.0008394	Reconductor Rio Oso–SPI Jct–Lincoln 115kV line	In-Flight	12/11/29	12/01/28	12/31/29	Q3-2025: Project ISD delayed due to scope development study. PG&E evaluated if looping in the Rio Oso-Gold Hill 230kV line into Atlantic as an alternative to reconductoring the Rio Oso-Lincoln 115kV line. PG&E is continuing with original scope
T.0003844	Vaca Dixon-Lakeville 230 kV Corridor Series Compensation	In flight	04/20/27	11/18/26	11/17/27	Q3-2025: Project ISD delayed due to scope development. The parcel will be at Vaca Dixon and Smart valve needs to be installed at the Parcel in conjunction of other associated equipment.
T.0004950	Gold Hill 230/115 kV Transformer Addition Project	In-Flight	10/05/28	06/22/29	01/07/30	Q3-2025: Project ISD delayed due to updated LLM delivery schedule
TBD	Equipment Upgrade at CCSF Owned Warnerville 230 kV Substation	Initiating	08/01/26	04/28/23	01/01/27	Q3-2025: The Warnerville upgrade has not been completed yet. The 2023 in-service date reflects the work completed at Warnerville as part of T.0000043 Bellota-Warnerville 230kV Reinforcement. This scope, however, is not the same scope as Equipment Upgrade at CCSF Owned Warnerville 230 kV Substation. The breaker and bus are being upgraded by CCSF.

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PG&E Projects Status Summary

Generation Dependent Network Upgrades In-Service since January 2025

Project No.	Scope	Status	Planned Const. Start	Previous TDF Planned In-Service	Planned In-Service	Comments
GIP 20rsmt-7b	Tesla 500 kV circuit breakers 542 and 642 overstress Replace Tesla 500 kV circuit breakers 542 and 642 with 63 kA interrupting capability	In-Service	09/16/24	03/31/25	03/27/25	Q3 - 2025 - In-Service
GIP 21rsmt-3	Kern PP Substation 115 kV CB overstress (BAAH Conversion Phase 1 - CB282) Kern PP Sub: Existing PG&E 115 kV BAAH conversion project will cover this replacement.	In-Service	07/09/21	03/31/25	01/09/25	Q3 - 2025 - In-Service
GIP C12P1-GPT01	Ames Distribution 115 kV circuit breaker 132 overstress Replace Ames Distribution 115 kV circuit breaker 132	In-Service	03/18/25	03/23/26	03/28/25	Q3 - 2025 - In-Service
GIP C12P1-NPT03	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	In-Service	06/01/21	05/21/25	04/30/25	Q3 - 2025 - In-Service



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PG&E Projects Status Summary

Generation Dependent Network Upgrades with Improvements

Project No.	Scope	Status	Planned * Const. Start	Previous TDF Planned In-Service	Planned ** In-Service	Comments
GIP 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	In-Flight	11/06/24	04/10/26	12/31/25	Q3 - 2025 - some construction sequencing date improvements. Some risk to slip into Q1 2026 subject to clearances and resourcing of construction and test crews
GIP C13P1-KGR01	QC13P2RAS-04 Modify existing Midway 500/230 kV transformer overload SPS Midway 500/230 kV transformer overload SPS to include transformer outage detection and transformer overload detection for Bank 11, 12, and 13	In-Flight		10/12/30	03/31/28	Q3 - 2025 - Recently triggered by C13 GIA
GIP C13P1-KPN02	Midway 230 kV Bus D BAAH Conversion: (Needed to install reactors between Bus Sections D & E) Convert Midway Substation 230 kV to BAAH in order to install bus reactors & RAS	In-Flight	02/10/27	08/22/30	11/04/27	Q3 - 2025 - construction sequencing. Mitigation will not be complete until last phase of the project.
GIP C14P2-FPN03	Los Banos 230 kV circuit breakers 212 & 222 overstress Replace Los Banos 230 kV circuit breakers 212 & 222	In-Flight	07/01/26	04/01/28	08/06/27	Q3 - 2025 - In construction

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PG&E Projects Status Summary

Generation Dependent Network Upgrades with Improvements

Project No.	Scope	Status	Planned * Const. Start	Previous TDF Planned In-Service	Planned ** In-Service	Comments
GIP C12P1-NPT04	Vaca Dixon Substation 230 kV circuit breakers 442 overstress Replace Vaca Dixon Substation 230 kV circuit breakers 442, 452 and 462 and associated switches/relays	In-Flight	01/05/26	05/28/27	04/10/26	Q3 - 2025 - Some schedule improvement. In final procurement and construction staging activity, on critical path. In-Service subject to clearances and related work at Vaca Dixon sub. Recently completed orders for the steel. IFC expected by mid-August. Civil starting in Sept subject to Issue For Construction deliverables. Civil contract process started.
GIP C12P1-NPT04	Vaca Dixon Substation 230 kV circuit breakers 452 overstress Replace Vaca Dixon Substation 230 kV circuit breakers 442, 452 and 462 and associated switches/relays	In-Flight	08/03/26	05/28/27	11/06/26	Q3 - 2025 - Some schedule improvement. In final procurement and construction staging activity, on critical path. In-Service subject to clearances and related work at Vaca Dixon sub. Recently completed orders for the steel. IFC expected by mid-August. Civil starting in Sept subject to Issue For Construction deliverables. Civil contract process started.
GIP C12P1-NPT04	Vaca Dixon Substation 230 kV circuit breakers 462 overstress Replace Vaca Dixon Substation 230 kV circuit breakers 442, 452 and 462 and associated switches/relays	In-Flight	04/20/26	05/28/27	07/24/26	Q3 - 2025 - Some schedule improvement. In final procurement and construction staging activity, on critical path. In-Service subject to clearances and related work at Vaca Dixon sub. Recently completed orders for the steel. IFC expected by mid-August. Civil starting in Sept subject to Issue For Construction deliverables. Civil contract process started.

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PG&E Projects Status Summary Generation Dependent

Reliability Network Upgrades with Delays (+3-5 months)

Project No.	Scope	Status	Planned * Const. Start	Previous TDF Planned In-Service	Planned ** In-Service	Comments
GIP 20rsmt-4	Metcalf 115kV breakers Overstress (almost all breakers), install bus reactors on 230kV banks due to existing space constraints on the 115kV Bus Install 4-3 ohm reactors at low side of Metcalf 115 kV 230kV Transformers	In-Flight	11/03/26	04/19/27	10/05/27	Q3 - 2025 - Scope approved. Design Complete planned Fall of 2025.
GIP 21rsmt-3	Kern PP Substation 115 kV CB overstress (BAAH Conversion Phase 3 - CB262) Kern PP Sub: Existing PG&E 115 kV BAAH conversion project will cover this replacement.	In-Flight	01/08/26	12/31/26	04/30/27	Q3 - 2025 - Construction Sequencing
GIP C11P2-NP02	Contra Costa PP 230 kV Line Terminals Reconfiguration Project (C11P2-NP02, C11P2-NP01) 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 Contra Costa 230kV SW's 601, 603 overload	In-Flight	12/06/24	09/09/25	01/21/26	Q3 - 2025 - Project In-Service delayed due to construction sequencing and area dependencies. Phase 2 civil work in progress. Environmental Releases in progress to release full scope. Electrical construction starting in Fall 2025.

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PG&E Projects Status Summary Generation Dependent

Reliability Network Upgrades with Delays (+3-5 months)

Project No.	Scope	Status	Planned * Const. Start	Previous TDF Planned In-Service	Planned ** In-Service	Comments
GIP C13P1-KGR05	Midway Substation 230 kV bus and 27 circuit breakers overstress - Revised to Install (2) Bus Reactors. Install 2 x 16 ohm series bus reactors between Midway Substation 230 kV bus sections D and E (16 ohm parallel/8 ohm net) Install 2 x 16 ohm series bus reactors between Midway Substation 230 kV bus sections D and E (16 ohm parallel/8 ohm net)	In-Flight		10/12/30	03/31/31	Q3 - 2025 - Recently triggered by C14 GIA. Project is in scoping.
GIP POS-Q1922-NU1	Tesla MPAC New 230kV MPAC building relocates 230kV equipment from existing Control Building	In-Flight	12/24/25	01/11/28	05/15/28	Q3 - 2025 - Engineering complete June 2025. Work is bundled with related work at substation. In-Service does not delay Generation

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PG&E Projects Status Summary

Generation Dependent Reliability Network Upgrades with Delays (+6 months)

Project No.	Scope	Status	Planned * Const. Start	Previous TDF Planned In-Service	Planned ** In-Service	Comments
GIP 21rsmt-3	Kern PP Substation 115 kV CB overstress (BAAH Conversion Phase 4 - CB182) Kern PP Sub: Existing PG&E 115 kV BAAH conversion project will cover this replacement.	In-Flight	11/01/27	02/28/26	03/03/28	Q3 - 2025 - slight construction sequencing adjustments for sequencing install of individual electrical assets
GIP 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	In-Flight	10/01/26	07/01/26	12/31/26	Q3 - 2025 - in Design
GIP C12P1-NPT01	Gold Hill Substation 115 kV circuit breakers 142 overstress Replace Gold Hill Substation 115 kV circuit breakers 142 and associated switches/relays	In-Flight	03/27/24	11/27/24	11/14/25	Q3 - 2025 - CB142 ISD (In-Service Date) in Nov 2025. Delayed due to incorrect material and budget issues back in 2022.

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PG&E Projects Status Summary

Generation Dependent Reliability Network Upgrades with Delays (+6 months)

Project No.	Scope	Status	Planned * Const. Start	Previous TDF Planned In-Service	Planned ** In-Service	Comments
GIP C12P1-NPT01	Gold Hill Substation 115 kV circuit breakers 172 overstress with Bank 5 Replace Gold Hill Substation 115 kV circuit breakers 172 and associated switches/relays	In-Flight	03/01/24	11/27/24	05/29/26	Q3 - 2025 - CB172 ISD in Q2 2026. Delayed due to incorrect material and budget issues back in 2022. Being installed under new emergency replacement project
GIP C14P2-FGR04	Los Banos 500 kV circuit breakers 822, 832 & 842 overstress Replace Los Banos 500 kV circuit breakers 822, 832 & 842	In-Flight		03/31/30	01/25/31	Q3 - 2025 - Recently triggered by C14 GIA. Project is in scoping.
GIP C11P2-KT01	Wheeler Ridge Junction Substation Construct and own the new Wheeler Ridge Junction project substation (to be named Casa Loma) including two new 230/115 kV transformers and three 230 kV line terminations. Upgrade existing Wheeler Ridge-Adobe Switching Station and Adobe Switching Station-Lamont 115 kV lines to 230 kV operations. Upgrade existing Kern-Tevis-Stockdale-Lamont and Kern-Tevis-Stockdale 115 kV lines to 230 kV. Rebuild existing idle line that connects Kern-Tevis-Stockdale to Magunden Substation. Reconductor Stockdale 230 kV tap #1 and #2 lines.	In-Flight	12/31/27	07/11/33	01/28/33	Q3 - 2025 - Not Triggered by Generation, In-flight

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PG&E Projects Status Summary Generation Dependent

Deliverability Network Upgrades In-Service since January 2025

Project No.	Scope	Status	Planned Const. Start	Previous TDF Planned In-Service	Planned In-Service	Comments
GIP C11P2-GP01	Moraga-Castro Valley 230 kV Line Capacity Increase Project The project scope of work involves upgrading the limiting substation equipment (jumper conductors and wave traps) on the Moraga-Castro Valley and Castro Valley-Newark 230 kV lines to utilize their full conductor ratings.	In-Service	07/05/24	05/05/25	04/07/25	Q3 - 2025 - In-Service
GIP C8P1-34	Re-conductor Padre Flat SS-Panoche #1 230 kV Line Re-conductor 32.59 mi Q779/Padre Flat SS-Panoche #1 230 kV Line with 795 ACSS	In-Service	09/21/23	05/09/25	03/31/25	Q3 - 2025 - In-Service



PG&E Projects Status Summary Generation Dependent Deliverability Network Upgrades with Improvements

Project No.	Scope	Status	Planned * Const. Start	Previous TDF Planned In-Service	Planned ** In-Service	Comments
GIP C12P2-LDNU3	Bellota-Riverbank-Melones Sw Sta 115 kV Line 115 kV Line Reconductor Reconductor a total of 17 miles of Bellota-Riverbank-Melones SW STA 115 kV Line with 477 ACSS	In-Flight	09/02/26	01/17/29	08/26/27	Q3 - 2025 - Construction sequencing improvements. Permitting planned in 2025. Minimal Land rights required. Some long lead materials ordered. CPUC filing in development. Construction Q2 2026 – Q1 2027.
GIP C12P2-LDNU4	Stanislaus-Melones SW STA-Riverbank Jct Sw Sta 115 kV Line Reconductor (STAN-MELONES TAP LINES: REPL CU COND P3 7.5 miles - double circuit), LDNU only needs 1 circuit Reconductor Stanislaus-Melones Sw Sta-Riverbank Jct Sw Sta 115 kV Line 7.53 miles section of various conductors from 000/001-007/043 - scope taken over by the more comprehensive STAN-MELONES TAP LINES: REPL CU COND P3 project.	In-Flight	09/02/26	01/19/29	08/02/28	Q3 - 2025 - Project In-Service improved due to Schedule/construction sequencing date adjustments. Federal permit planned complete by end of 2025. Planned Summer 2027 start circuit 1 and the following year circuit 2.

* Construction start is dependent on design strategy, CPUC permitting, obtaining necessary land / aerial rights, clearance sequence, obtaining necessary construction easements, and access to structures

** In-Service Date is subject to change through the design process as more information becomes available.



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PG&E Projects Status Summary

Generation Dependent Deliverability Network Upgrades with Delays (+3 months)

Project No.	Scope	Status	Planned * Const. Start	Previous TDF Planned In-Service	Planned ** In-Service	Comments
GIP C12P2-LDNU1	Ripon-Manteca 115 kV Line Reconductor 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)	In-Flight	06/04/27	04/25/28	07/26/28	Q3 - 2025 - Project In-Service date improved due to Schedule/construction sequencing date adjustments. Engineering is at 90%. Land is working on acquiring land rights at three locations. Land planner is working on Notice of Construction. Long lead material end of Q3 or early Q4 2025. Construction Q3 2026 to Q2 2027. Mid- high risk of issues when we file Notice of Construction.

* Construction start is dependent on design strategy, CPUC permitting, obtaining necessary land / aerial rights, clearance sequence, obtaining necessary construction easements, and access to structures

** In-Service Date is subject to change through the design process as more information becomes available.



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PG&E Projects Status Summary Generation Dependent

Deliverability Network Upgrades with Delays (+6 months)

Project No.	Scope	Status	Planned * Const. Start	Previous TDF Planned In-Service	Planned ** In-Service	Comments
GIP 22rsmt-4	New 230 kV switching station to loop Dos Amigos – Panoche # 3 230 kV Build a new 2 bay 230 kV BAAH switching station to loop in the Dos Amigos – Panoche # 3 230 kV Line requiring access road, land and land rights acquisition and permitting, remote end protection upgrades, and OPGW/fiber telecommunication work	In-Flight	04/19/30	03/04/30	04/11/31	Q3 - 2025 - Project scoping and design in progress. Land acquisitions delays
GIP C12P2-LDNU2	Stanislaus-Melones Sw Sta-Manteca #1 115 kV Line Reconductor (overlaps 2C project) Reconductor Stanislaus-Melones Sw Sta-Manteca #1 115 kV line 25.23 miles section of various conductors from 018/115-043/277. This order completes Ckt1 from #030/195 to 043/277 12.67 miles	In-Flight	12/15/27	06/04/29	03/07/30	Q3 - 2025 - Engineering at 30%. Engineering Job walk in July. Driving Design completion by Q4/2025. Construction will be 2027. In-Service is subject to change pending final design and construction sequencing activities.
GIP C8P2-10	QC8RAS-02 SPS (Deliverability Triggered RNU) QC8SPS-02 SPS to modify the existing Hatchet Ridge SPS to trip Q1106 200 MW wind and Hatchet Ridge 102 MW wind for thermal overloads on the Q1106 SS-Cottonwood, Carberry SS-Round Mountain or Pit #3-Carberry SS 230 kV Lines.	In-Flight	05/24/29	03/18/27	12/19/29	Q3 - 2025 - Generation project driving this upgrade is still seeking permits prior to moving forward with Utility dependencies.

* Construction start is dependent on design strategy, CPUC permitting, obtaining necessary land / aerial rights, clearance sequence, obtaining necessary construction easements, and access to structures

** In-Service Date is subject to change through the design process as more information becomes available.