T.Dot	T.Dot Project Description	CPUC Filing Type	CPUC Date Filed	CPUC Status	CPUC Status: Year	Project Status
T.0000159	Egbert 230kV Switching Station	CPCN: A.17-12-021	2017-12-28	Approved	2020	Engineering
T.0000597	VIERRA 115 KV REINFORCEMENT	PTC: A.18-06-004	2018-06-15	Approved	2021	Construction
T.0000154	Estrella 230 kV Transmission Substation	PTC: A.17-01-023	2017-01-25	Approved	2024	Engineering
T.0007591	Q1565 - Dynamo Solar Tulucay Sub	NOC: AL 7472-E	2025-01-02	Approved	2025	Engineering
T.0005798	Weimar#1	NOC: AL 7473-E	2025-01-03	Approved	2025	Engineering
T.0000155	Lockeford - Lodi Area 230 kV Development	CPCN: A.23-09-001	2023-09-01	Filed and Under Administrative Review	TBD	Engineering
T.0000007	Vaca Dixon Area Reinforcement Project	PTC: A.24-06-008 NOC	6/28/2024 Expected 2025 Q1	Filed and Under Administrative Review TBD	TBD TBD	Engineering
T.0009169	Metcalf – San Jose B HVDC Project	NOC: AL 7391-E	2024-10-10	Filed and Under Administrative Review	TBD	Engineering
T.0000349	Moraga-Oakland #1-#4 Rebuild	PTC: A. 24-11-005	2024-11-15	Filed and Under Administrative Review	TBD	Engineering
T.0007629	Re-cond Fulton-Hopland 60 kV LN (EGI)	NOC: AL 7532-E	2025-03-10	Filed and Under Administrative Review	TBD	Engineering
T.0005874	CRAG VIEW-CASCADE 115KV NERC PROJECT	NOC	Expected 2025 Q1	TBD	TBD	Engineering
T.0009190	Merced - 1 70kV - Caltrans Pole Relo	NOC	Expected 2025 Q1	TBD	TBD	Engineering
T.0008284	IGNACIO - SOBRANTE 230KV TRP PH2 & PH3	NOC	Expected 2025 Q1	TBD	TBD	Engineering
T.0008749	Weber - Mormon Jct 60 kV Line Section Reconductoring	NOC	Expected 2025 Q2	TBD	TBD	Engineering
T.0009031	Microsoft SJC04 Interconnection Project	NOC	Expected 2025 Q2	TBD	TBD	Engineering
T.0004281	Lakeville #2 60kV:RELO:Novato_CalT_101	NOC	Expected 2025 Q2	TBD	TBD	Engineering
T.0010230	Cooley Landing Los Altos 60kV Pole Relo	NOC	Expected 2025 Q2	TBD	TBD	Engineering
T.0000415	IGNACIO-MARE ISLD Jameson/Hwy - Cordelia	NOC	Expected 2025 Q2	TBD	TBD	Construction
T.0007676	AWS Gilroy 115kV Interconnection	NOC	Expected 2025 Q2	TBD	TBD	Engineering
T.0006100	Potter Valley - Mendocino 60 KV TWR RPL	NOC	Expected 2025 Q3	TBD	TBD	Engineering
T.0009652	Eden Landing Eastshore Grant	NOC	Expected 2025 Q3	TBD	TBD	Engineering
T.0004279	Salinas-Laureles 60kV:RELO:S_Davis_Rd	NOC	Expected 2025 Q3	TBD	TBD	Engineering
T.0009603	Garberville Area Reinforcement	NOC	Expected 2025 Q4	TBD	TBD	Engineering
T.0000156	Wheeler Ridge Junction Substation	PTC	Expected 2025 Q4	TBD	TBD	Engineering
T.0008218	Q1444 Beauchamp	NOC	Expected 2026 Q1	TBD	TBD	Engineering
T.0009607	Tulucay-Napa #2 60 kV line Reconductoring projec	NOC	Expected 2026 Q1	TBD	TBD	Engineering
T.0010100	Applied Materials Arques Load Increase	NOC (5809176) NOC (5810600) NOC (5810602)	Expected 2026 Q1 (5809176 - Phase 2) Expected 2027 Q1 (5810600 - Phase 3) Expected 2027 Q1 (5810602 - Phase 3)	TBD TBD TBD	TBD TBD TBD	Engineering
T.0009641	Cortina #1 60 kV Line Reconductoring	NOC	Expected 2026 Q3	TBD	TBD	Engineering
T.0009536	Metcalf-Piercy, Swift-Metcalf, and Newark-Dixon Landing 115 kV Lines	NOC	Expected 2026 Q4	TBD	TBD	Planning

T.0000159 - Egbert 230kV Switching Station

Project Details

County	San Francisco
Year of BC Approval	TBD
CAISO Year	2015
CPUC Filing Type	CPCN: A.17-12-021
CPUC Status	Approved
CPUC Status Year	2020
Total Actuals to Date	$ 83,626
Current Projected Cost	$ 257,239
In Service Date	10/24/2029
Project Status	Engineering
Original In-Service Date	12/1/2021
Reason for Change in ISD	Prioritization

Actual 2025	ITD	Projected 2025	2026	2027	2028	2029	2030	2031	EAC
$326	**$83,626**	$7,357	$6,716	$34,771	$37,808	$79,724	$1,860	$76	**$257,239**
0%		3%	3%	14%	15%	31%	1%	0%	

Order Details

Project Name	Primary Purpose	Secondary Purpose	Transmission Voltage Level	Substation Voltage Level	Planning Order	MWC	In Service Date	Inception to Date	Estimated at Completion
MARTIN BUS EXT: SF RAS MODIFICATIONS	Reliability	Substation Reliability	NA	230 kV	5767648	61	10/4/2029	$ 6	$ 2,306
MARTIN BUS EXT: EMBARCADERO PROT UPGRADE	Reliability	Substation Reliability	NA	230 kV	5767647	61	10/4/2029	$ 95	$ 3,884
MARTIN BUS EXT: JEFFERSON PROT UPGRADES	Reliability	Substation Reliability	NA	230 kV	5767646	61	10/4/2029	$ 60	$ 5,637
MARTIN BUS EXT: MARTIN SUB PROT UPGRADES	Reliability	Substation Reliability	NA	230 kV	5767645	61	10/4/2029	$ 295	$ 5,927
REROUTE JEFFERSON_MARTIN 230KV LINE	Reliability	T-Line Capacity	230	NA	5767217	60	10/24/2029	$ 34,732	$ 76,015
NEW EGBERT SWITCHYARD_230KV BUS EXT.	Reliability	Substation Capacity	NA	230 kV	5767214	61	10/4/2029	$ 44,727	$ 131,389
LOOP EMBARCADERO & MARTIN	Reliability	T-Line Capacity	230	NA	5767213	60	10/17/2029	$ 3,698	$ 31,228
EGBERT T-LINE - VISITACION AVE EASEMENT	Reliability	T-Line Capacity	230	NA	5551310	60	NA	$ 13	$ 853

Project Description

The Martin 230 kV Bus Extension project will: Construct a new 230 kV switching station near, but not adjacent to, Martin Substation. Relocate voltage control and power flow limiting equipment associated with the Jefferson-Martin and Martin-Embarcadero Cables from Martin, if necessary, to the new switching station. Completion of the Martin Bus Extension project will improve service reliability and system resiliency in serving customers in San Francisco and northern San Mateo County.

Entity Initiating Project: CAISO
Distribution Components: N/A

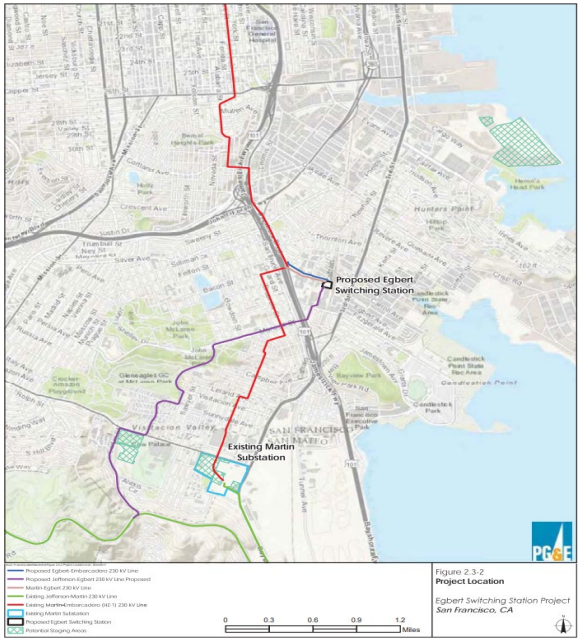
Project Need

The project need was first identified in 2013, when the CAISO initiated a risk and vulnerability assessment of the electric transmission system serving San Francisco and northern San Mateo County. The proposed Egbert 230kV Switching Station project will improve electric system resiliency and resolve reliability concerns for a devastating or catastrophic event at Martin Substation by rearranging existing 230kV transmission circuits to create a separate transmission path into San Francisco that bypasses Martin Substation. In addition to providing another power source into San Francisco, it will also keep the San Francisco alternating current transmission system energized, which will enable TBC to deliver up to 400 MW of power into the City.

Project & Permitting Status Updates

Construction Start: 05/14/27
CPUC Date Filed: 12/28/17

Notice to Proceed request was submitted July and August 2021. PG&E is continuing to work with the property owners to acquire easements. Egbert 230kV Switching Station is currently internally On Hold.



*Note: All dollar figures represented in the 000s

T.0000597 - VIERRA 115 KV REINFORCEMENT

Project Details

County	San Joaquin
Year of BC Approval	2018
CAISO Year	2011
CPUC Filing Type	PTC: A.18-06-004
CPUC Status	Approved
CPUC Status Year	2021
Total Actuals to Date	$ 45,040
Current Projected Cost	$ 79,412
In Service Date	6/9/2027
Project Status	Construction
Original In-Service Date	1/24/2023
Reason for Change in ISD	Prioritization

Actual		Projected							
2025	ITD	2025	2026	2027	2028	2029	2030	2031	EAC
$2,274	**$45,040**	$16,630	$14,757	$4,614	$26	$0	$0	$0	**$79,412**
3%		21%	19%	6%	0%	0%	0%	0%	

Project Description

Loop the Tesla-Stockton Co-Gen Junction 115kV Power Line into Vierra Substation, convert the Vierra 115kV bus into a 4-bay breaker-and-a-half (BAAH) bus configuration, add a Howland Road Co-Gen Radial Feed, install a 115kV Sustainable Modular Protection (SMP) / Modular Protection Automation and Controls (MPAC), and install battery buildings.

Entity Initiating Project: CAISO
Distribution Components: Distribution Relocation

Project Need

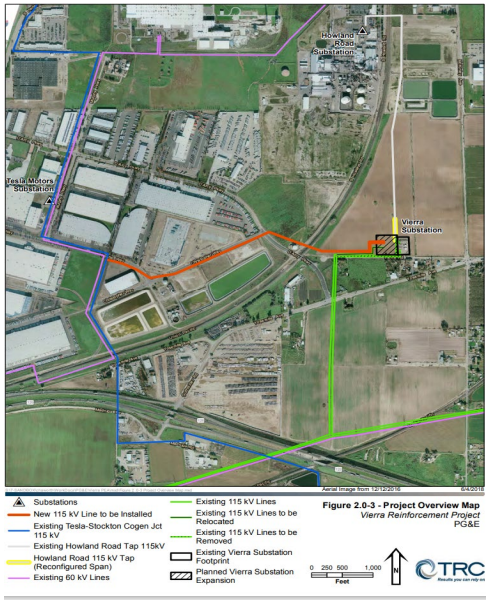
The Vierra 115kV Reinforcement project is required to meet NERC Reliability Standards and was approved by the California Independent System Operator (CAISO) in 2011. The Vierra 115kV Reinforcement project reduces these risks by increasing system resiliency with the addition of the fifth transmission path in the Tesla 115kV system, increasing reliability with a more reliable bus configuration and also reducing the transmission line exposure by sectionalizing the Tesla-Stockton Cogen Junction 115kV Power Line by looping it into the Vierra Substation.

Project & Permitting Status Updates

Construction Start: 05/21/24
CPUC Date Filed: 06/15/18

Order Details

Project Name	Primary Purpose	Secondary Purpose	Transmission Voltage Level	Substation Voltage Level	Planning Order	MWC	In Service Date	Inception to Date	Estimated at Completion
VIERRA 115KV TLINE RECONFIGURATION PH 2	Reliability	System Design Upgrade	115	NA	5805561	60	10/7/2025	$ 11	$ 843
VIERRA 115 KV BAAH PHASE 2	Reliability	Bus Upgrade	NA	115 kV	5805478	61	6/9/2027	$ 0	$ 7,794
RIPON: UPGRADE VIERRA REMOTE END	Infrastructure Enhancement	Remote End	NA	115 kV	5777421	67	7/10/2025	$ 148	$ 1,059
HOWLAND: UPGRADE VIERRA REMOTE END	Infrastructure Enhancement	Remote End	N/A	115 kV	5777419	67	11/25/2025	$ 2,335	$ 3,541
MANTECA: UPGRADE VIERRA REMOTE END	Infrastructure Enhancement	Remote End	NA	115 kV	5777418	67	8/7/2025	$ 968	$ 1,642
TRACY: UPGRADE VIERRA REMOTE END	Infrastructure Enhancement	Remote End	NA	115 kV	5777397	67	10/21/2025	$ 1,274	$ 3,027
KASSON: UPGRADE VIERRA REMOTE END	Infrastructure Enhancement	Remote End	NA	115 kV	5777396	67	1/16/2026	$ 1,023	$ 2,180
TESLA: UPGRADE VIERRA REMOTE END	Infrastructure Enhancement	Remote End	NA	115 kV	5777395	67	6/5/2025	$ 298	$ 741
VIERRA BAAH CONTROL BUILDING	Infrastructure Enhancement	MPAC	NA	115 kV	5777394	67	6/12/2025	$ 8,719	$ 15,389
NV_VIERRA 115 KV BAAH	Reliability	Bus Upgrade	NA	115 kV	5746745	61	9/1/2025	$ 17,705	$ 29,732
VIERRA 115 KV REINFORCEMENT PH 1(TLINE)	Reliability	System Design Upgrade	115	NA	5746744	60	2/23/2025	$ 10,895	$ 11,802
VIERRA ACQUIRE PERM LAND RIGHTS	Reliability	System Design Upgrade	NA	NA	5527666	60	NA	$ 1,663	$ 1,663



*Note: All dollar figures represented in the 000s

T.0000154 - Estrella 230 kV Transmission Substation

Project Details

County	San Luis Obispo
Year of BC Approval	TBD
CAISO Year	2014
CPUC Filing Type	PTC: A.17-01-023
CPUC Status	Approved
CPUC Status Year	2024
Total Actuals to Date	$ 45,910
Current Projected Cost	$ 174,909
In Service Date	3/30/2029
Project Status	Engineering
Original In-Service Date	5/1/2019
Reason for Change in ISD	Prioritization

Actual		Projected							
2025	ITD	2025	2026	2027	2028	2029	2030	2031	EAC
$869	**$45,910**	$13,060	$21,348	$39,444	$29,523	$29,189	$30	$0	**$42,143**
2%		31%	51%	94%	70%	69%	0%	0%	

Project Description

Construct and own the new Estrella 230/70/21 kV Substation and associated transmission line work as defined by the CAISO's Transmission Plan. Connecting the new Estrella Substation to the 230 kV and 70 kV systems will improve capacity and service reliability to PG&E customers in the Paso Robles area. This project is part of the Utility's overall program to upgrade its substation design to meet today's customer service reliability expectations.

Entity Initiating Project: CAISO
Distribution Components: Distribution Substation

Project Need

Completion of this project will mitigate outage risks associated with thermal overloads and voltage concerns across the planning area. The project will also support the Paso Robles Substation, which has reached maximum capacity, by connecting a new substation and downstream assets to an additional, reliable source from the Morro Bay-Gates 230 kV transmission line. Construction/reconductoring of a 70 kV power line that connects the new substation to Paso

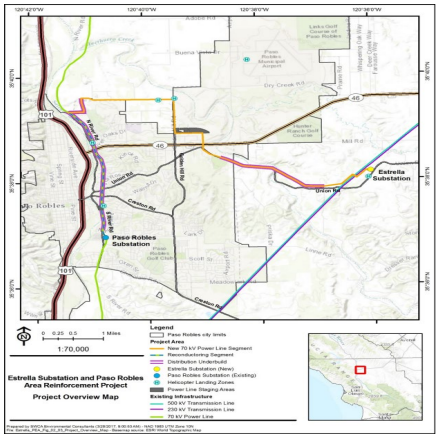
Project & Permitting Status Updates

Construction Start: 09/10/25
CPUC Date Filed: 01/25/17

Final EIR released early Q2 2023

Order Details

Project Name	Primary Purpose	Secondary Purpose	Transmission Voltage Level	Substation Voltage Level	Planning Order	MWC	In Service Date	Inception to Date	Estimated at Completion
REC SAN MIGUEL-PASO ROBLES 70KV PH.2 ENG	Reliability	Line Reconductoring	70	NA	5810240	60	12/29/2027	$ -	$ 5,553
UNION-SAN MIGUEL_PASO ROBLES 70KV - ENG	Reliability	T-Line Capacity	70	NA	5806384	60	3/30/2029	$ 5,248	$ 23,179
TEMPLETON SUB-INSTALL REVERSE POWER RELA	Reliability	Substation Capacity	NA	230 kV	5805698	61	9/30/2027	$ 25	$ 1,105
TERMINAL UPGRADES PASO ROBLES SUB	Reliability	New T-Line	NA	70 kV	5805506	61	1/30/2026	$ 36	$ 773
REC SAN MIGUEL-PASO ROBLES 70KV PH.2 EST	Reliability	Line Reconductoring	70	NA	5805505	60	1/28/2028	$ 3,704	$ 11,756
MORRO BAY: UPGRADE 230KV RELAY	Reliability	Substation Reliability	NA	230 kV	5771722	61	7/23/2027	$ 44	$ 1,636
CALIFORNIA FLATS: UPGRADE 230KV RELAY	Reliability	Substation Reliability	NA	230 kV	5771721	61	7/16/2027	$ 51	$ 2,178
UNION-SAN MIGUEL_PASO ROBLES 70KV - EST	Reliability	New T-Line	70	NA	5771719	60	3/30/2029	$ 10,623	$ 42,615
MORRO BAY - CAL FLATS 230KV LINE SHOOFLY	Reliability	T-Line Capacity	230	NA	5771718	60	12/14/2026	$ 119	$ 1,470
RECOND. SAN MIGUEL-PASO ROBLES 70KV PH.1	Reliability	New T-Line	70	NA	5767231	60	5/11/2026	$ 5,833	$ 17,489
ESTRELLA_CPUC LIC/PER	Reliability	T-Line Capacity	230 | 70	NA	5767230	60	5/1/2025	$ 1,243	$ 1,291
MORRO BAY-CAL FLATS 230KV INTERCONNECTIO	Reliability	New T-Line	230	NA	5767208	60	5/26/2028	$ 1,375	$ 9,275
UNION 70KV SUBSTATION	Reliability	New T-Line	NA	70 kV	5767207	61	5/26/2028	$ 12,425	$ 53,185
ROW UNION-SAN MIGUEL_PASO ROBLES 70KV	Reliability	New T-Line	70	NA	5554011	60	NA	$ 93	$ 1,016
ROW San Miguel-Paso Robles 70kV Ph. 2	Reliability	New T-Line	70	NA	5554010	60	NA	$ 4	$ 940
ROW San Miguel-Paso Robles 70kV Ph.1	Reliability	New T-Line	70	NA	5554009	60	NA	$ 453	$ 641
Land Purchase for 70KV Substation	Reliability	New T-Line	NA	NA	5553459	61	NA	$ 401	$ 806



*Note: All dollar figures represented in the 000s

T.0007591 - Q1565 - Dynamo Solar Tulucay Sub

Project Details

County	Napa
Year of BC Approval	2023
CAISO Year	2021
CPUC Filing Type	NOC: AL 7472-E
CPUC Status	Approved
CPUC Status Year	2025
Total Actuals to Date	$ 2,082
Current Projected Cost	$ 13,185
In Service Date	10/9/2026
Project Status	Engineering
Original In-Service Date	10/10/2025
Reason for Change in ISD	NA

Actual		Projected							
2025	ITD	2025	2026	2027	2028	2029	2030	2031	EAC
$60	**$2,082**	$2,212	$2,822	$0	$0	$0	$0	$0	**$13,185**
0%		17%	21%	0%	0%	0%	0%	0%	

Order Details

Project Name	Primary Purpose	Secondary Purpose	Transmission Voltage Level	Substation Voltage Level	Planning Order	MWC	In Service Date	Inception to Date	Estimated at Completion
Q1565 - DYNAMO SOLAR GEN SITE DA	Generator Interconnection	Generation Interconnection	NA	60 kV	5798552	82	8/17/2026	$ 19	$ 14
Q1565 - DYNAMO SOLAR TULUCAY SUB DA	Generator Interconnection	Generation Interconnection	NA	60 kV	5798551	82	9/24/2026	$ 20	$ 94
Q1565 - DYNAMO SOLAR LAKEVILLE SUB RNU	Generator Interconnection	Generation Interconnection	NA	60 kV	5798550	82	7/20/2026	$ 171	$ 835
Q1565 - DYNAMO SOLAR VACA-DIXON SUB RNU	Generator Interconnection	Generation Interconnection	NA	60 kV	5798549	82	7/17/2026	$ 155	$ 719
Q1565 - DYNAMO SOLAR TULUCAY SUB RNU	Generator Interconnection	Generation Interconnection	NA	60 kV	5798548	82	9/22/2026	$ 1,519	$ 10,157
Q1565 - DYNAMO SOLAR T-LINE DA	Generator Interconnection	Generation Interconnection	60	NA	5798547	82	10/9/2026	$ 0	$ 51
Q1565 - DYNAMO SOLAR T-LINE RNU	Generator Interconnection	Generation Interconnection	60	NA	5798546	82	5/7/2026	$ 199	$ 1,315
Q1565 - DYNAMO SOLAR METER DA	Generator Interconnection	Generation Interconnection	NA	60 kV	5546926	82	1/14/2026	$ (1)	$ (0)

Project Description

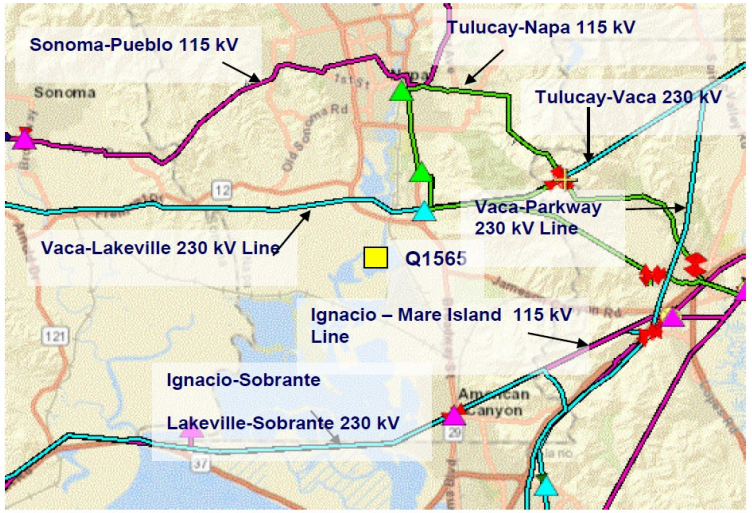
Install a storage generation plant with a net output of 24.5 MW and connect to PG&Es 60 kV Tulucay Substation in Napa County, California.

Tulucay Substation:
Extend main/aux bus with DBSB, install aux switch, expand existing control building, grade and extend fence line, replace one TSP, two LDSPs, and install one new TSP.

Entity Initiating Project: Third Party
Distribution Components: N/A

Project Need

This project will connect the proposed 24.5 MW solar PV project to the Utility's electric transmission grid and fulfill the Utility's obligation to serve mandated by the Federal Energy Regulatory Commission (FERC).



Project & Permitting Status Updates

Construction Start: 01/07/26
CPUC Date Filed: 01/02/25

*Note: All dollar figures represented in the 000s

T.0005798 - Weimar#1

Project Details

County		Placer
Year of BC Approval		TBD
CAISO Year		N/A
CPUC Filing Type		NOC: AL 7473-E
CPUC Status		Approved
CPUC Status Year		2025
Total Actuals to Date	$	1,426
Current Projected Cost	$	26,268
In Service Date		12/30/2025
Project Status		Engineering
Original In-Service Date		TBD
Reason for Change in ISD		NA

Project Description

The project will perform the following work:

Reconductor the approximately 9 miles of the Weimar No. 1 60 kV Line
Replace at least 157 structures (152 wood & 5 steel poles) 2
Inspect 4 structures and replace if necessary (000/001, 000/011, 009/143, 009/144)
Replace all insulators on at least 42 pole structures, if all not replaced due to reconductoring
Replace KPF Switch No. 15 on Pole No. 009/143

Entity Initiating Project: PG&E
Distribution Components: TBD

Project Need

The project will increase system performance and reduce fire ignition risk in Placer County

Project & Permitting Status Updates

Construction Start: 10/01/25
CPUC Date Filed: 01/03/25

Actual 2025	Actual ITD	Projected 2025	2026	2027	2028	2029	2030	2031	EAC
$60	**$1,426**	$21,159	$3,684	$0	$0	$0	$0	$0	**$26,268**
0%		81%	14%	0%	0%	0%	0%	0%	

Order Details

Project Name	Primary Purpose	Secondary Purpose	Transmission Voltage Level	Substation Voltage Level	Planning Order	MWC	In Service Date	Inception to Date	Estimated at Completion
WEIMAR #1 RECONDUCTOR PROJECT	Asset Condition	Replace Conductor	115	NA	5789865	93	12/30/2025	$ 1,426	$ 26,268

Import Image from GIS

*Note: All dollar figures represented in the 000s

T.0000155 - Lockeford - Lodi Area 230 kV Development

Project Details

County	San Joaquin
Year of BC Approval	TBD
CAISO Year	2013
CPUC Filing Type	CPCN: A.23-09-001
CPUC Status	Filed and Under Review
CPUC Status Year	TBD
Total Actuals to Date	$ 21,684
Current Projected Cost	$ 153,966
In Service Date	12/10/2029
Project Status	Engineering
Original In-Service Date	3/1/2017
Reason for Change in ISD	Prioritization

Actual		Projected							
2025	ITD	2025	2026	2027	2028	2029	2030	2031	EAC
$166	**$21,684**	$4,722	$6,191	$33,207	$40,809	$46,191	$1,152	$9	**$153,966**
0%		3%	4%	22%	27%	30%	1%	0%	

Order Details

Project Name	Primary Purpose	Secondary Purpose	Transmission Voltage Level	Substation Voltage Level	Planning Order	MWC	In Service Date	Inception to Date	Estimated at Completion
LOCKEFORD SUBSTATION UPGRADES	Reliability	Bus Upgrade	NA	230 kV	5771389	61	12/10/2029	$ 324	$ 34,447
230 KV TLINE LOCKEFORD - NEW INDUSTRIAL	Reliability	New T-Line	230	NA	5767239	60	11/7/2029	$ 18,576	$ 55,602
LOOP IN BRIGHTON-BELLOTA INTO LOCKEFORD	Reliability	System Design Upgrade	230	NA	5767209	60	11/19/2029	$ 1,437	$ 28,768
NEW 230 KV INDUSTRIAL SWITCHING STATION	Reliability	New Substation	NA	230 kV	5767188	61	6/12/2029	$ 1,347	$ 35,149

Project Description

The Lockeford-Lodi Area 230 kV Development Project will loop the Brighton – Bellota 230 kV Line into Lockeford 230 kV Substation to bring a new 230 kV source into the area. A new 230 kV double circuit tower line will be constructed to connect the existing Lockeford 230 kV Substation to a new 230 kV switching to be constructed near the City of Lodi's existing Industrial 60 kV Subsation. To accommodate the Brighton – Bellota loop-in and the new DCTL, the Lockeford 230 kV Bus will be upgraded to a four-bay breaker-and-a-half (BAAH) bus configuration. The City of Lodi will be constructing a new 230/60 kV Substation which will be connected to the new 230 kV switching station.

Entity Initiating Project: CAISO
Distribution Components: N/A

Project Need

Planning analysis has identified several voltage and thermal issues in the area under NERC TPL-001-4 Category P1 and P6 contingencies.To mitigate the voltage issues in the area, the operating action plan radializes the Lockeford-Lodi Area, when the area load reaches 150 MW, putting the entire area at risk of an outage for a single contingency. The proposed project is required to reliably serve the Lockeford-Lodi Area.

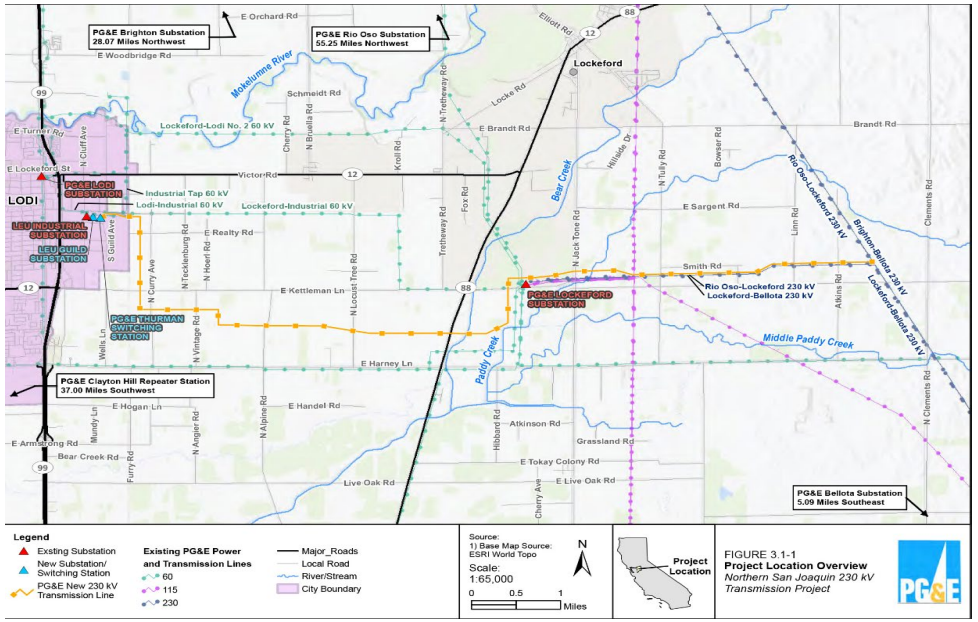


FIGURE 3.1-1
Project Location Overview
Northern San Joaquin 230 kV Transmission Project

Project & Permitting Status Updates

Construction Start: 07/19/28
CPUC Date Filed: 09/01/23

CPUC Draft EIR public review ended 2/11/2025. PG&E submitted a comment letter on the draft EIR on 2/7/25

*Note: All dollar figures represented in the 000s

T.0000007 - Vaca Dixon Area Reinforcement Project

Project Details

County	Solano
Year of BC Approval	TBD
CAISO Year	2011
CPUC Filling Type	PTC: A.24-06-008 NOC
CPUC Status	Filed and Under Review TBD
CPUC Status Year	TBD TBD
Total Actuals to Date	$ 5,114
Current Projected Cost	$ 40,633
In Service Date	4/30/2027
Project Status	Engineering
Original In-Service Date	12/1/2023
Reason for Change in ISD	Prioritization

Actual		Projected							
2025	ITD	2025	2026	2027	2028	2029	2030	2031	EAC
$140	**$5,114**	$10,708	$19,109	$4,722	$10	$0	$0	$0	**$40,633**
0%		26%	47%	12%	0%	0%	0%	0%	

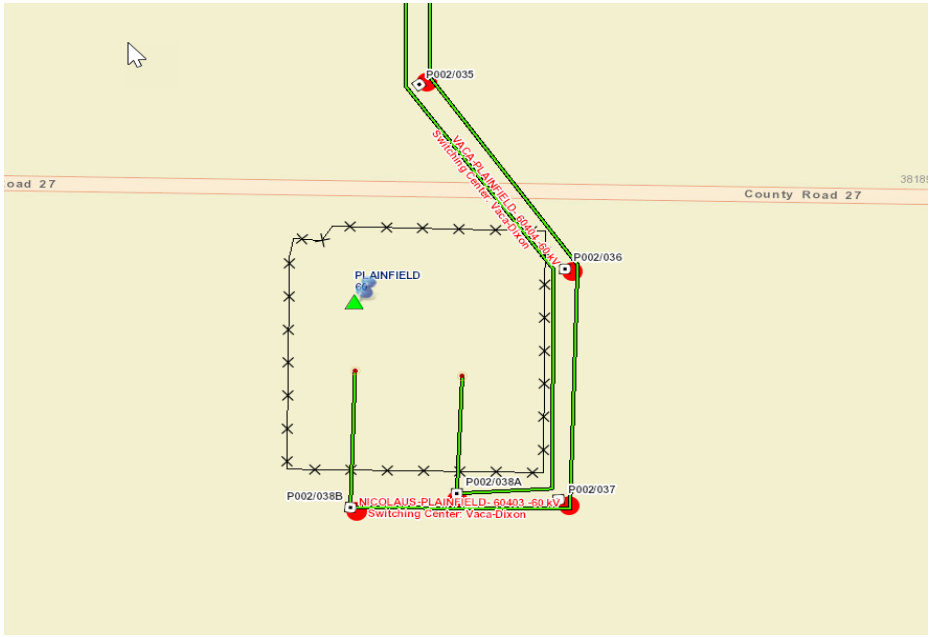
Order Details

Project Name	Primary Purpose	Secondary Purpose	Transmission Voltage Level	Substation Voltage Level	Planning Order	MWC	In Service Date	Inception to Date	Estimated at Completion
PLAINFIELD SUB - RELOCATE TSPS	Reliability	System Design Upgrade	60	NA	5785807	60	3/24/2027	$ 606	$ 6,551
PLAINFIELD: INSTALL TWO CAP BANKS	Reliability	Voltage Support	NA	60 kV	5766696	61	4/30/2027	$ 2,992	$ 26,713
RERATE WOODLAND - DAVIS T-LINE	Reliability	Line Reconductoring	115	NA	5766694	60	11/19/2025	$ 1,485	$ 5,436
PLAINFIELD: AQUIRE LAND	Reliability	New Substation	NA	NA	5554308	61	9/30/2025	$ 32	$ 1,932

Project Description

The California ISO's 2018-2019 Transmission Planning Process (TPP) has identified the need for the Vaca – Dixon Area Reinforcement Project. This project will mitigate overloads and voltage criteria violations in the 115kV and 60kV transmission systems among Vaca Dixon, Davis, Rio Oso and Brighton Substations. The project will include the following work: Install two 5.0 MVAR capacitor banks at Plainfield Substation. Replace the limiting elements on the 60kV equipment at Dixon Substation.Re-rate the Woodland - Davis 115kV Line and the Rio Oso - West Sac 115kV Line.

Entity Initiating Project: CAISO
Distribution Components: N/A



Project Need

The California ISO's 2018-2019 Transmission Planning Process (TPP) has identified the need for the Vaca – Dixon Area Reinforcement Project. This project will mitigate overloads and voltage criteria violations in the 115kV and 60kV transmission systems among Vaca Dixon, Davis, Rio Oso and Brighton Substations.

Project & Permitting Status Updates

Construction Start: 10/01/25

CPUC Date Filed: 6/28/2024
Expected 2025 Q1

PO 5766696 (Plainfield) – PTC filed 6/28/24
PO 5766694 (Woodland-Davis) – Filing type is NOC with planned filing March 2025

*Note: All dollar figures represented in the 000s

T.0009169 - Metcalf – San Jose B HVDC Project

Project Details

County	Santa Clara
Year of BC Approval	TBD
CAISO Year	2022
CPUC Filling Type	NOC: AL 7391-E
CPUC Status	Filed and Under Review
CPUC Status Year	TBD
Total Actuals to Date	$ 18,671
Current Projected Cost	$ 465,023
In Service Date	6/28/2030
Project Status	Engineering
Original In-Service Date	12/30/2027
Reason for Change in ISD	N/A

Actual		Projected							
2025	ITD	2025	2026	2027	2028	2029	2030	2031	EAC
$1,942	**$18,671**	$66,389	$67,014	$70,650	$64,912	$46,910	$18,576	$145	**$465,023**
0%		14%	14%	15%	14%	10%	4%	0%	

Project Description

The scope of the Metcalf – San Jose B HVDC project is modified as follows:
a. Build a 1,000 MW HVDC link between Metcalf 500 kV and San Jose B 230 kV substation (LS Power)
b. The voltage at the AC side of the San Jose B converter station is changed from 115 kV to 230 kV.
c. A 230 kV switchyard and a 230/115 kV transformer will be required at San Jose B.

Entity Initiating Project: CAISO
Distribution Components: Distribution Underbuild

Project Need

The CAISO awarded a third party (LS Power) the two new transmission projects to construct high-voltage direct current (HVDC) lines in the South Bay area to alleviate potential grid overloads.

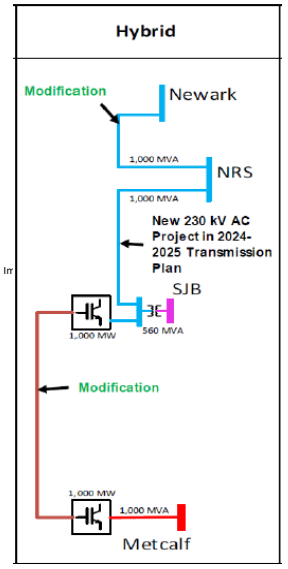
Project & Permitting Status Updates

Construction Start: 05/15/25
CPUC Date Filed: 10/10/24

2/24/25 - NOC was protested. The AL is suspended while we work out a settlement with one of the protests.

Order Details

Project Name	Primary Purpose	Secondary Purpose	Transmission Voltage Level	Substation Voltage Level	Planning Order	MWC	In Service Date	Inception to Date	Estimated at Completion
San Jose B 230kV GIS	Reliability	Substation Capacity	NA	230/115 kV	5813144	61	6/28/2030	$ -	$ 148,642
TLSUP:SAN JOSE B SUB RELOCATE MAINL P1	Reliability	T-Line Capacity	NA	NA	5810781	6	6/12/2025	$ 266	$ 1,127
TLSUP_METCALF LS POWER FIBER RELOCATION	Reliability	T-Line Capacity	NA	NA	5810185	6	6/17/2030	$ 12	$ 35
TLSUP_SAN JOSE B SUB RELOC MAINLINE PH2	Reliability	T-Line Capacity	NA	NA	5810184	6	12/30/2025	$ 291	$ 2,864
SAN JOSE B - HVDC - SAN JOSE A RE	Reliability	Substation Capacity	NA	115 kV	5807758	61	12/30/2027	$ 80	$ 968
SAN JOSE B - HVDC - TRIMBLE RE	Reliability	Substation Capacity	NA	115 kV	5807739	61	12/30/2027	$ 18	$ 945
SAN JOSE B - HVDC CONNECTION - TLINE	Reliability	T-Line Capacity	115	NA	5806625	60	12/30/2027	$ 75	$ 7,970
SAN JOSE B - HVDC CONNECTION	Reliability	Substation Capacity	NA	115 kV	5804789	61	12/30/2027	$ 15,606	$ 239,329
METCALF - 500KV HVDC CONNECTION	Reliability	Substation Capacity	NA	500 kV	5804788	61	12/30/2027	$ 2,302	$ 62,496
SAN JOSE B - HVDC - SOUTH TRANSITION RE	Reliability	Substation Capacity	NA	115 kV	5555161	61	12/30/2027	$ 11	$ 350
SAN JOSE B - HVDC - NORTH TRANSITION RE	Reliability	Substation Capacity	NA	115 kV	5555160	61	12/30/2027	$ 10	$ 298



*Note: All dollar figures represented in the 000s

T.0000349 - Moraga-Oakland #1-#4 Rebuild

Project Details

County	Contra Costa
Year of BC Approval	TBD
CAISO Year	NA
CPUC Filling Type	A. 24-11-005
CPUC Status	Filed & Under Review
CPUC Status Year	TBD
Total Actuals to Date	$ 19,922
Current Projected Cost	$ 274,271
In Service Date	12/13/2028
Project Status	Engineering
Original In-Service Date	7/31/2025
Reason for Change in ISD	Prioritization

Actual		Projected							
2025	ITD	2025	2026	2027	2028	2029	2030	2031	EAC
$348	**$19,922**	$3,470	$25,394	$89,581	$102,442	$20,778	$12,620	$0	**$274,271**
0%		1%	9%	33%	37%	8%	5%	0%	

Order Details

Project Name	Primary Purpose	Secondary Purpose	Transmission Voltage Level	Substation Voltage Level	Planning Order	MWC	In Service Date	Inception to Date	Estimated at Completion
MORAGA-OAKLAND X 115KV #3&4 RECOND	Asset Condition	Replace Conductor	115	NA	5793948	93	12/13/2028	$ 7,277	$ 116,552
MORAGA-OAKLAND X 115KV #1&2 RECOND	Asset Condition	Replace Conductor	115	NA	5793947	93	12/13/2028	$ 10,974	$ 132,461
MORAGA SUB: 115KV TERMINAL UPGRADES	Reliability	Substation Reliability	NA	115 kV	5789522	61	12/13/2028	$ 249	$ 11,430
OAKLAND X SUB: 115KV BUS UPGRADE	Reliability	Substation Reliability	NA	115 kV	5789521	61	12/13/2028	$ 436	$ 12,736
MORAGA-OAKLAND X 115KV LINES 1-4 LAND	Asset Condition	Replace Conductor	115	NA	5551684	93	12/13/2028	$ 986	$ 1,091

Project Description

The project proposes to replace the structures, conductors, and hardware in the same overhead alignment between Moraga Substation and California State Highway 13 and also to relocate the line sections between Highway 13, and Oakland X underground (UG) within city streets. By replacing the aging facilities PG&E can improve wildfire safety and public safety and increase path capacity into the Oakland area. The project scope of work includes:
Removal of 78 existing lattice steel transmission towers
Removal of approximately 20 circuit miles of conductor
Installation of approximately 60 new lattice steel transmission towers
Installation of approximately 11 miles of ACCR conductor
Installation of three 115kV underground duct banks with 115kV transmission cables totaling approximately six miles
Installation of new 115kV circuit breakers and air switches at Moraga Substation
Upgrade the 115kV bus at Oakland X Substation to complement the higher capacity ACCRconductor

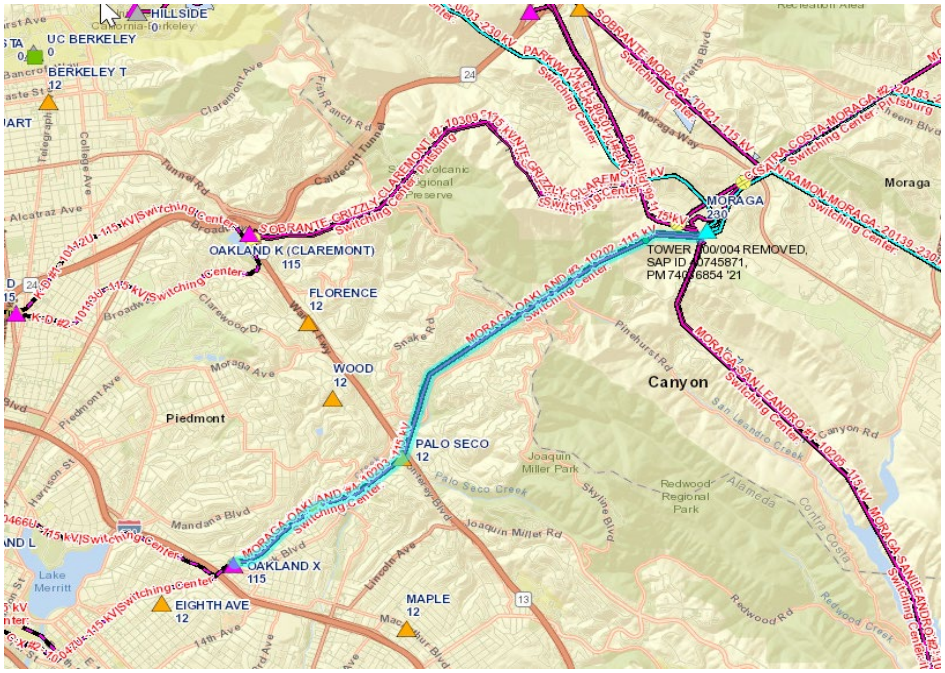
Entity Initiating Project: PG&E
Distribution Components: N/A

Project Need

By replacing the aging facilities PG&E can improve wildfire safety and public safety and increase path capacity into the Oakland area.

Project & Permitting Status Updates

Construction Start: 03/03/28
CPUC Date Filed: 11/15/2024



*Note: All dollar figures represented in the 000s

T.0007629 - Re-cond Fulton-Hopland 60 kV LN (EGI)

Project Details

County	Sonoma
Year of BC Approval	TBD
CAISO Year	2018
CPUC Filling Type	NOC: AL 7532-E
CPUC Status	Filed & Under Review
CPUC Status Year	TBD
Total Actuals to Date	$ 3,204
Current Projected Cost	$ 58,001
In Service Date	3/31/2027
Project Status	Engineering
Original In-Service Date	3/31/2027
Reason for Change in ISD	NA

Actual 2025	Actual ITD	Projected 2025	2026	2027	2028	2029	2030	2031	EAC
$58	**$3,204**	$14,280	$21,683	$18,803	$30	$0	$0	$0	**$58,001**
0%		25%	37%	32%	0%	0%	0%	0%	

Order Details

Project Name	Primary Purpose	Secondary Purpose	Transmission Voltage Level	Substation Voltage Level	Planning Order	MWC	In Service Date	Inception to Date	Estimated at Completion
FULTON-HOPLAND RECON (HOPLAND-GEYSERS)	Generator Interconnection	Generation Interconnection	60	NA	5798940	82	2/2/2027	$ 2,417	$ 45,820
FULTON-HOPLAND RECON (GEYSERS-FITCH MTN)	Generator Interconnection	Generation Interconnection	60	NA	5798804	82	3/31/2027	$ 787	$ 12,181

Project Description

The project scope of work includes the following: Local Delivery Network Upgrade:
Reconductor Fulton-Hopland 60kV Line (Fitch Mountain Jct 009/005A – Geysers Jct 016/004) ~7 miles total length with 715 AAC.
Reconductor Fulton-Hopland 60kV Line (Geysers Jct 016/003ACloverdale Jct 026/002-Hopland) ~ 24.21 miles total length with 715 AAC and upgrade any limiting equipment.

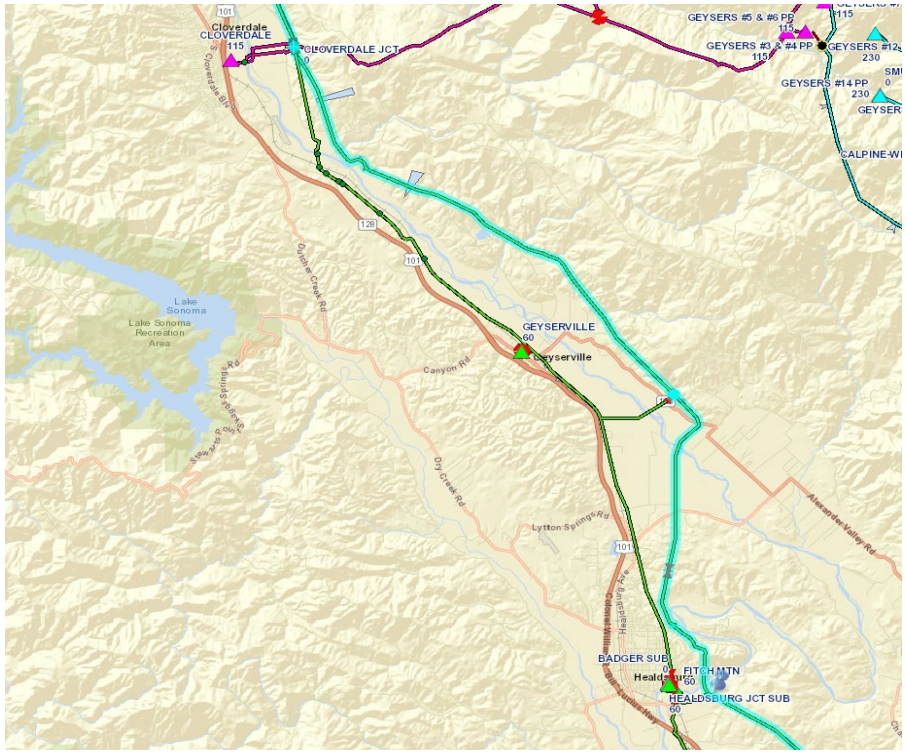
Entity Initiating Project: Third Party
Distribution Components: N/A

Project Need

This Local Delivery Upgrade project is tied to the following electric generation interconnection projects:
Janus Solar PV, LLC (Q1455),
Beauchamp Solar (Q1444)

Project & Permitting Status Updates

Construction Start: 11/03/25
CPUC Date Filed: 03/10/2025



*Note: All dollar figures represented in the 000s

T.0005874 - CRAG VIEW-CASCADE 115KV NERC PROJECT

Project Details

County		Shasta
Year of BC Approval		TBD
CAISO Year		N/A
CPUC Filling Type		NOC
CPUC Status		TBD
CPUC Status Year		TBD
Total Actuals to Date	$	19,837
Current Projected Cost	$	44,432
In Service Date		12/23/2025
Project Status		Engineering
Original In-Service Date		10/31/2022
Reason for Change in ISD		Prioritization

Actual		Projected							
2025	ITD	2025	2026	2027	2028	2029	2030	2031	EAC
$150	**$19,837**	$24,467	$43	$0	$0	$0	$0	$0	**$44,432**
0%		55%	0%	0%	0%	0%	0%	0%	

Order Details

Project Name	Primary Purpose	Secondary Purpose	Transmission Voltage Level	Substation Voltage Level	Planning Order	MWC	In Service Date	Inception to Date	Estimated at Completion
CRAGVIEW-CASCADE 115KV RECON P2	Asset Condition	NERC Compliance - GO 95	115	NA	5795434	93	12/23/2025	$ 2,391	$ 26,986
CRAGVIEW-CASCADE 115KV RECON P1	Asset Condition	NERC Compliance - GO 95	115	NA	5790354	93	2/23/2023	$ 17,446	$ 17,446

Project Description

Project Scope:
Replace 21.6 miles of existing conductor with 397 Aluminum Conductor Steel Reinforced (ACSR) conductor (Phase 1 = ~8.6 miles & Phase 2 = ~13 miles).
Replace 99 existing structures with new steel structures (Phase 1 = 37 structures & Phase 2 = 63).
Re-tension Optical Ground Wire (OPGW)

Entity Initiating Project: PG&E
Distribution Components: N/A

Project Need

The project team will address CPUC GO-95 and PG&E standard requirements, in addition to increasing system performance and reducing fire ignition risk in Shasta County

Project & Permitting Status Updates

Construction Start: 05/26/25
CPUC Date Filed: Expected 2025 Q1

Phase 1: NOC AL 6547-E (Construction Start June 2022)
Phase 2: NOC TBD (Construction Start May 2025)

*Note: All dollar figures represented in the 000s

T.0009190 - Merced - 1 70kV - Caltrans Pole Relo

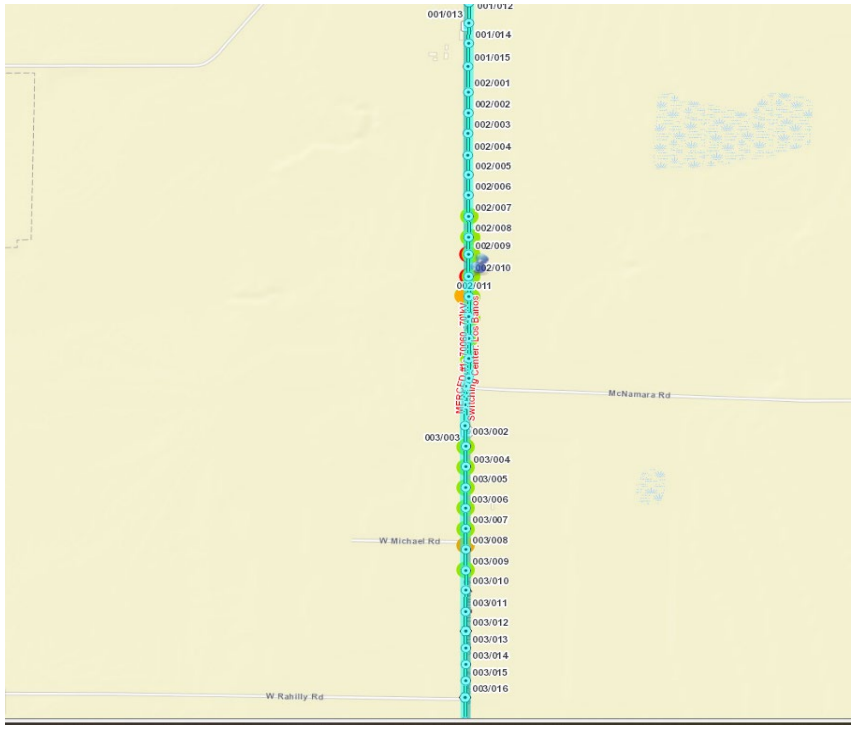
Project Details

County		Merced
Year of BC Approval		2023
CAISO Year		NA
CPUC Filling Type		NOC
CPUC Status		TBD
CPUC Status Year		TBD
Total Actuals to Date	$	313
Current Projected Cost	$	1,120
In Service Date		12/9/2025
Project Status		Engineering
Original In-Service Date		TBD
Reason for Change in ISD		NA

Actual		Projected							
2025	ITD	2025	2026	2027	2028	2029	2030	2031	EAC
$9	**$313**	$871	-$61	$0	$0	$0	$0	$0	**$1,120**
1%		78%	-5%	0%	0%	0%	0%	0%	

Order Details

Project Name	Primary Purpose	Secondary Purpose	Transmission Voltage Level	Substation Voltage Level	Planning Order	MWC	In Service Date	Inception to Date	Estimated at Completion
MERCED - 1 70KV - CALTRANS POLE RELO	WRO	Facility Relocation	70	N/A	5552619	82	12/9/2025	$ 313	$ 1,120



Project Description

Relocate at least five wood poles, 002/008, 002/009, 002/010, 002/011, 002/012, on the Merced #1 70 kV Line in Merced County, California

Entity Initiating Project: Third Party
Distribution Components: N/A

Project Need

The work is needed to accommodate California Department of Transportation (Caltrans) proposed roadway improvements, along State Route 59, between Post Mile R0.0 and R12.1, in Merced County

Project & Permitting Status Updates

Construction Start: 10/23/25
CPUC Date Filed: Expected 2025 Q1

*Note: All dollar figures represented in the 000s

T.0008284 - IGNACIO - SOBRANTE 230KV TRP PH2 & PH3

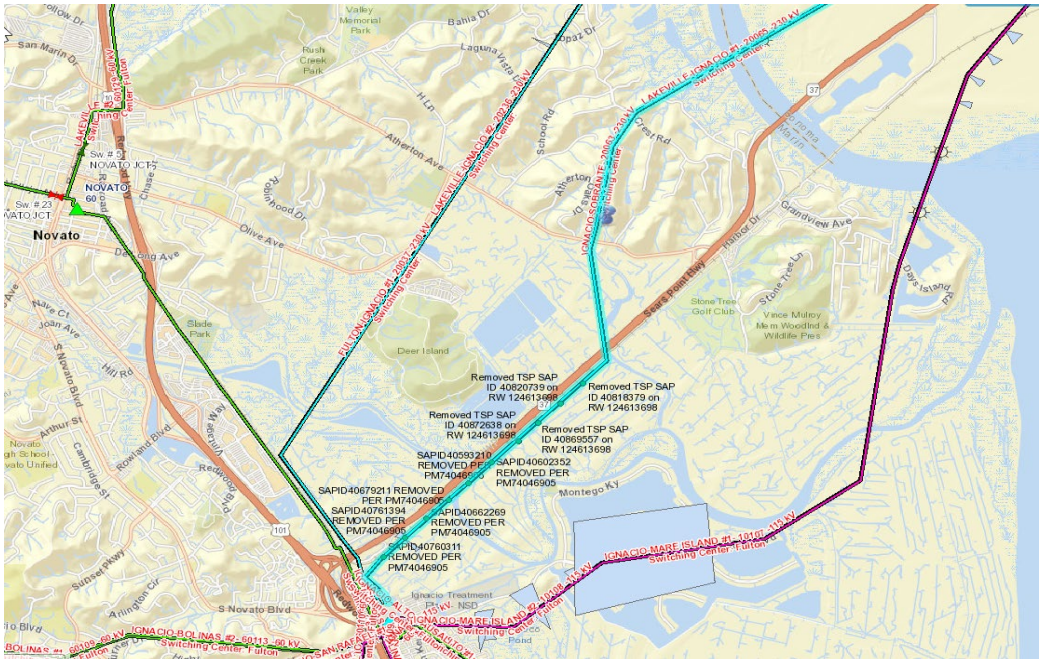
Project Details

County		Napa
Year of BC Approval		2022
CAISO Year		NA
CPUC Filling Type		NOC
CPUC Status		TBD
CPUC Status Year		TBD
Total Actuals to Date	$	957
Current Projected Cost	$	17,922
In Service Date		12/12/2025
Project Status		Engineering
Original In-Service Date		12/31/2022
Reason for Change in ISD		Scope Change

Actual 2025	Actual ITD	Projected 2025	2026	2027	2028	2029	2030	2031	EAC
$50	**$957**	$16,728	$237	$0	$0	$0	$0	$0	**$17,922**
0%		93%	1%	0%	0%	0%	0%	0%	

Order Details

Project Name	Primary Purpose	Secondary Purpose	Transmission Voltage Level	Substation Voltage Level	Planning Order	MWC	In Service Date	Inception to Date	Estimated at Completion
IGNACIO - SOBRANTE 230KV TRP PH3	Asset Condition	Replace Steel Poles	230	NA	5800802	70	12/12/2025	$ 957	$ 17,922



Project Description

The project scope of work includes following:
•Replace structures IG004/025, IG004/024, IG004/023, IG004/022, IG004/021, and IG003/020 and their foundations under phase 2.
•Replace structures IG003/015 through IG002/010 and their foundations under phase 3.

Entity Initiating Project: PG&E
Distribution Components: N/A

Project Need

The replacement of these towers is necessary because they are in critical condition, and the engineering recommendation was to replace the whole structure.

Project & Permitting Status Updates

Construction Start: 08/01/25
CPUC Date Filed: Expected 2025 Q1

Phase 2 CatEx

*Note: All dollar figures represented in the 000s

T.0008749 - Weber - Mormon Jct 60 kV Line Section Reconductoring

Project Details

County		San Joaquin
Year of BC Approval		TBD
CAISO Year		2022
CPUC Filing Type		NOC
CPUC Status		TBD
CPUC Status Year		TBD
Total Actuals to Date	$	443
Current Projected Cost	$	11,601
In Service Date		4/6/2027
Project Status		Engineering
Original In-Service Date		5/1/2027
Reason for Change in ISD		NA

Actual		Projected							
2025	ITD	2025	2026	2027	2028	2029	2030	2031	EAC
$55	**$443**	$1,032	$6,812	$2,978	$34	$0	$0	$0	**$11,601**
0%		9%	59%	26%	0%	0%	0%	0%	

Order Details

Project Name	Primary Purpose	Secondary Purpose	Transmission Voltage Level	Substation Voltage Level	Planning Order	MWC	In Service Date	Inception to Date	Estimated at Completion
WEBER-MORMON JCT RECONDUCTOR	Reliability	Line Reconductoring	60	NA	5803222	60	4/6/2027	$ 443	$ 11,601

Project Description

Project scope:
Rebuild 6.2 circuit miles between Weber (000/004) and Mormon (006/103) of the Weber - Mormon Jct. 60 kV Line and conductor with a larger conductor to achieve at least 742 Amps of summer interior emergency rating. New poles will be sized to accommodate future distribution under build conductor.
Upgrade substation terminal equipment to achieve full conductor capacity, if needed.

Entity Initiating Project: CAISO
Distribution Components: Underbuild

Project Need

The project will increase operating flexibility, load serving capability, customer reliability, eliminate normal overloads and improve asset health

Project & Permitting Status Updates

Construction Start: 11/25/26
CPUC Date Filed: Expected 2025 Q2

*Note: All dollar figures represented in the 000s

T.0009031 - Microsoft SJC04 Interconnection Project

Project Details

County		Santa Clara
Year of BC Approval		TBD
CAISO Year		NA
CPUC Filling Type		NOC
CPUC Status		TBD
CPUC Status Year		TBD
Total Actuals to Date	$	2,513
Current Projected Cost	$	42,821
In Service Date		8/13/2027
Project Status		Engineering
Original In-Service Date		TBD
Reason for Change in ISD		NA

Actual		Projected							
2025	ITD	2025	2026	2027	2028	2029	2030	2031	EAC
$182	**$2,513**	$3,377	$30,952	$3,574	$1,018	$0	$0	$0	**$42,821**
0%		4%	39%	47%	2%	0%	0%	0%	

Order Details

Project Name	Primary Purpose	Secondary Purpose	Transmission Voltage Level	Substation Voltage Level	Planning Order	MWC	In Service Date	Inception to Date	Estimated at Completion
MS SJC04: SJ Water Remote End	WRO	Load Interconnection	NA	115 kV	5805817	82	7/30/2026	$ 103	$ 3,840
MS SJC04: Newark Remote End	WRO	Load Interconnection	NA	115 kV	5805816	82	2/13/2026	$ 181	$ 1,707
MS SJC04: Trimble Remote End	WRO	Load Interconnection	NA	115 kV	5805815	82	1/23/2026	$ 217	$ 1,465
MS SJC04: SWITCHING STATION	WRO	Load Interconnection	NA	115 kV	5805814	82	1/8/2027	$ 245	$ 23,568
MS SJC04: Direct Assignment	WRO	Load Interconnection	NA	115 kV	5804166	82	6/1/2027	$ 367	$ 1,056
MS SJC04:T-LINE	WRO	Load Interconnection	115	NA	5804165	82	8/13/2027	$ 1,400	$ 11,185

Project Description

The proposed scope of work for the project includes:
Construction of a new PG&E-owned 115 kV switching station on the Customer property, with initially two breaker-and-a-half (BAAH) bays;
Loop the Newark-Trimble 115 kV Line into the new PG&E Switching Station;

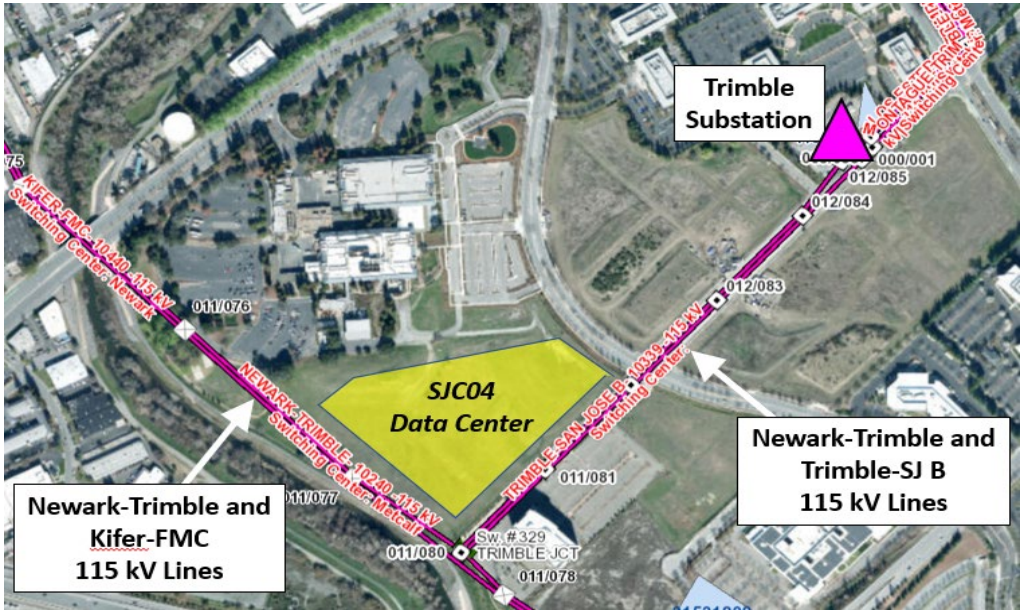
Entity Initiating Project: Third Party
Distribution Components: N/A

Project Need

The Customer is planning on constructing a large data center facility, expected to be on-line in 2024, with an initial load of 27 MW and an ultimate load of 90 MW by 2031.
The project will provide transmission service to the Customer data center substation from a new PG&E-owned 115 kV switching station that is connected into the Newark-Trimble 115 kV Line.

Project & Permitting Status Updates

Construction Start: 09/09/25
CPUC Date Filed: Expected 2025 Q2



*Note: All dollar figures represented in the 000s

T.0004281 - Lakeville #2 60kV:RELO:Novato_CalT_101

Project Details

County		Marin
Year of BC Approval		TBD
CAISO Year		NA
CPUC Filling Type		NOC
CPUC Status		TBD
CPUC Status Year		TBD
Total Actuals to Date	$	976
Current Projected Cost	$	2,684
In Service Date		11/7/2025
Project Status		Engineering
Original In-Service Date		5/31/2024
Reason for Change in ISD		Prioritization

Actual 2025	Actual ITD	Projected 2025	2026	2027	2028	2029	2030	2031	EAC
$17	**$976**	$4,202	$16	$0	$0	$0	$0	$0	**$2,684**
1%		157%	1%	0%	0%	0%	0%	0%	

Order Details

Project Name	Primary Purpose	Secondary Purpose	Transmission Voltage Level	Substation Voltage Level	Planning Order	MWC	In Service Date	Inception to Date	Estimated at Completion
LAKEVILLE #2 60KV:RELO:NOVATO_CALT_101	WRO	Facility Relocation	60	NA	5531919	82	11/7/2025	$ 976	$ 2,684

Project Description

The project scope of work addresses Poles A006/126 to A009/167 on the Lakeville #2 60kV line: Relocate and replace forty (40) existing wood transmission poles with new wood transmission poles. Relocate and upgrade two (2) wood transmission poles with new tubular steel poles (TSP). Relocate 13,943 circuit feet of 1/0-7 CU and 397.5-19 AAC 60 kV conductor. Relocate distribution under-build. Relocate and replace four (4) field switches.

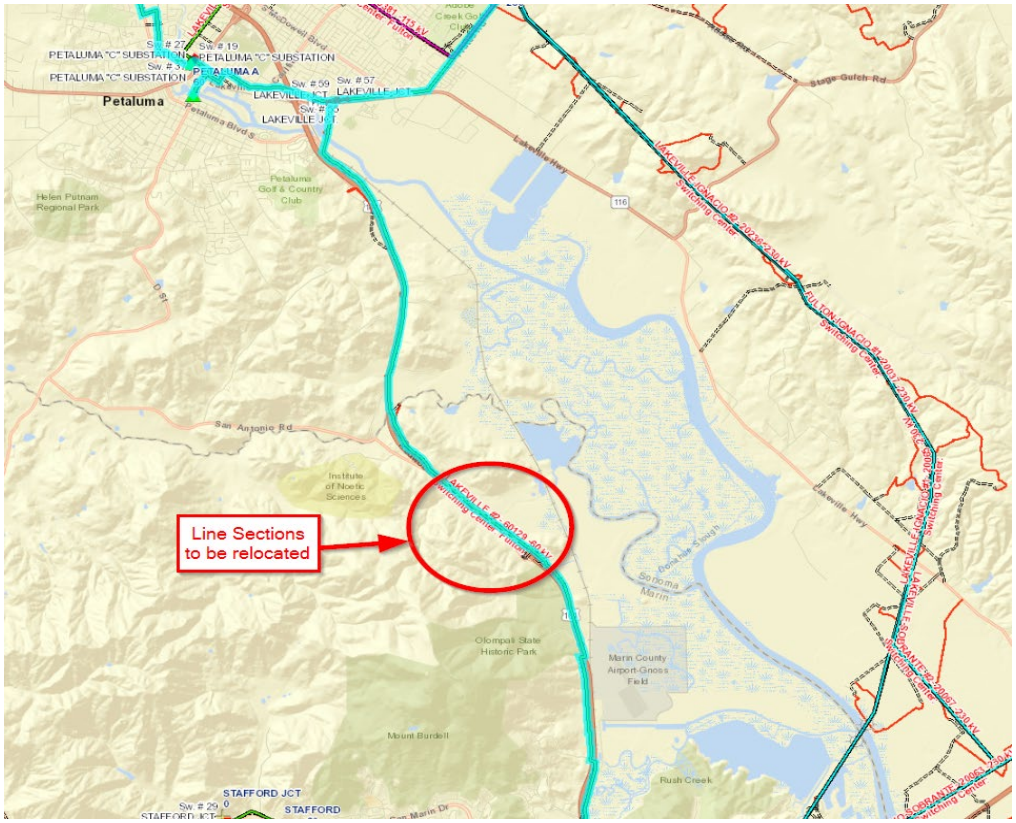
Entity Initiating Project: Third Party
Distribution Components: Underbuild

Project Need

Caltrans has initiated the Highway 101 Improvement Project in Marin County, which proposes improvements to a segment of Highway 101, in Novato, CA. These improvements are in conflict with 42 overhead transmission poles on PG&E's Lakeville #2 60 kV Line. This project proposes to relocate PG&E's transmission infrastructure in conflict

Project & Permitting Status Updates

Construction Start: 10/31/25
CPUC Date Filed: Expected 2025 Q2



*Note: All dollar figures represented in the 000s

T.0010230 - Cooley Landing Los Altos 60kV Pole Relo

Project Details

County		Santa Clara
Year of BC Approval		2025
CAISO Year		NA
CPUC Filling Type		NOC
CPUC Status		TBD
CPUC Status Year		TBD
Total Actuals to Date	$	(286)
Current Projected Cost	$	(270)
In Service Date		11/10/2025
Project Status		Engineering
Original In-Service Date		5/5/2025
Reason for Change in ISD		Resources

Actual		Projected							
2025	ITD	2025	2026	2027	2028	2029	2030	2031	EAC
$19	**-$286**	$263	$19	$0	$0	$0	$0	$0	**-$270**
-7%		-98%	-7%	0%	0%	0%	0%	0%	

Order Details

Project Name	Primary Purpose	Secondary Purpose	Transmission Voltage Level	Substation Voltage Level	Planning Order	MWC	In Service Date	Inception to Date	Estimated at Completion
COOLEY LANDING LOS ALTOS 60KV POLE RELO	WRO	Facility Relocation	60	NA	5557239	82	11/10/2025	$ (286)	$ (270)

Project Description

This project proposes to relocate one pole, (Cooley Landing-Los Altos A002/052) and install a new pole, (Cooley Landing-Los Altos A002/051A) on the Cooley Landing-Los Altos 60kV line near the intersection of Jordan Ave and El Camino Real, in the City of Los Altos.

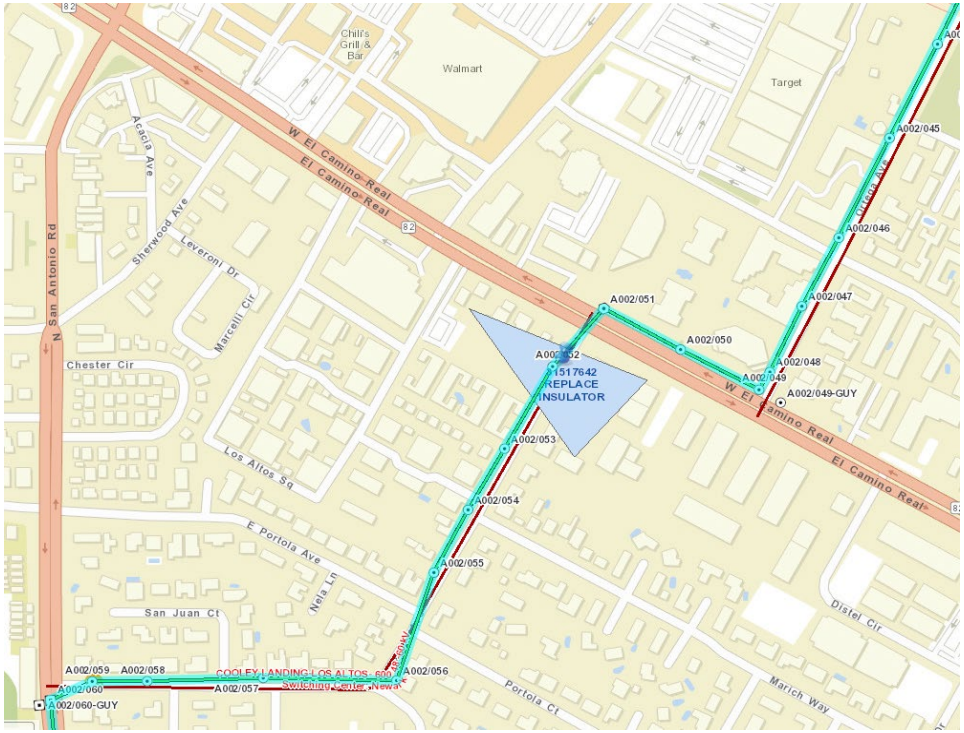
Entity Initiating Project: Third Party
Distribution Components: NA

Project Need

Replace and relocate one transmission poles A002/052 and add new pole (A002/051A) on PG&E owned Cooley Landing-Los Altos 60kV in Santa Clara, CA, to accommodate De Anza Properties' new residential development and road improvement project.

Project & Permitting Status Updates

Construction Start: 11/03/25
CPUC Date Filed: Expected 2025 Q2



*Note: All dollar figures represented in the 000s

T.0000415 - IGNACIO-MARE ISLD Jameson/Hwy - Cordelia

Project Details

County		Napa
Year of BC Approval		2022
CAISO Year		NA
CPUC Filling Type		NOC
CPUC Status		TBD
CPUC Status Year		TBD
Total Actuals to Date	$	22,155
Current Projected Cost	$	32,802
In Service Date		10/31/2025
Project Status		Construction
Original In-Service Date		9/30/2023
Reason for Change in ISD		Prioritization

Project Description

The Ignacio-Mare Island #1 and #2 115kV NERC project team will be performing work from the Highway Substation to Cordelia Substation to replace and install structures, install cage extensions, and reconductor approximately 16.0 miles due to over-tension issues. It will also perform work from Jameson Substation to the North Tower and Mare Island Substations to replace and install structures and reconductor approximately 5.2 miles due to over-tension issues.

Entity Initiating Project: PG&E
Distribution Components: NA

Project Need

The project team will improve system performance and reduce extended outage risk on the Ignacio-Mare Island 115kV transmission line by completing the scopes shown below.

Project & Permitting Status Updates

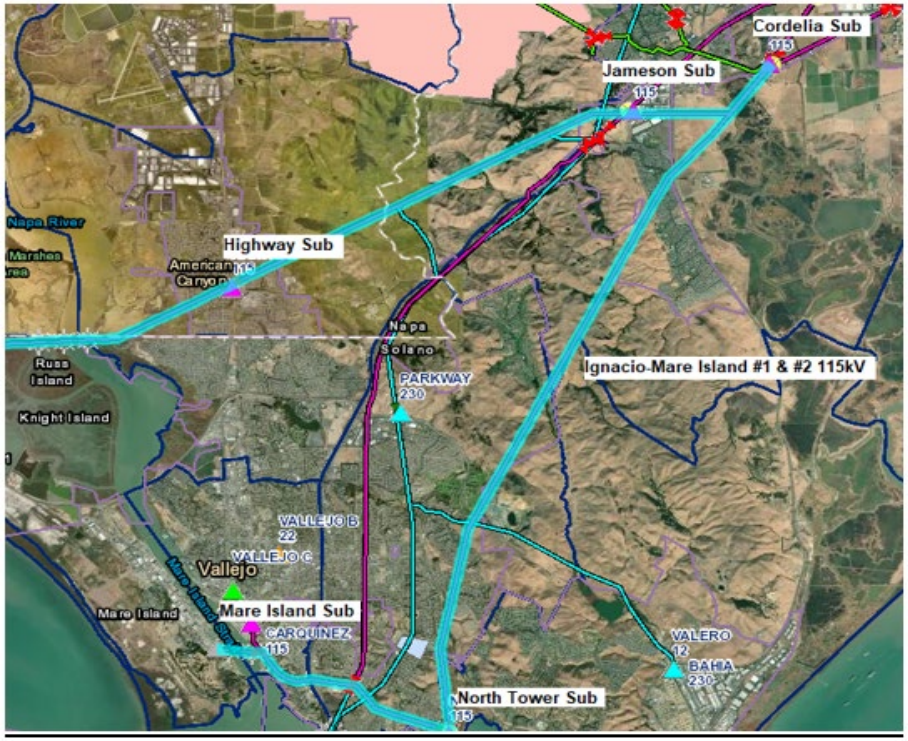
Construction Start: 10/04/23
CPUC Date Filed: Expected 2025 Q2

NOC: AL 6601-E Approved for Jameson South portion of the scope. NOC Expected in 2025 Q2 for Ignacio-Mare Island Highway Sub to Cordelia portion of the scope (Construction Start 7/22/25)

Actual 2025	ITD	Projected 2025	2026	2027	2028	2029	2030	2031	EAC
$237	**$22,155**	$10,505	$62	$0	$0	$0	$0	$0	**$32,802**
1%		32%	0%	0%	0%	0%	0%	0%	

Order Details

Project Name	Primary Purpose	Secondary Purpose	Transmission Voltage Level	Substation Voltage Level	Planning Order	MWC	In Service Date	Inception to Date	Estimated at Completion
IGNACIO-MARE ISLAND HWY SUB-JAMESON SHOO	Asset Condition	NERC Compliance - GO 95	115	NA	5801318	93	10/20/2022	$ 1,836	$ 1,836
IGNACIO-MARE ISL 115KV (HWY SUB/COR SUB)	Asset Condition	NERC Compliance - GO 95	115	NA	5774831	93	10/31/2025	$ 7,053	$ 17,598
IGNACIO-MARE ISLD #1 115KV NERC STEEL	Asset Condition	NERC Compliance - GO 95	115	NA	5754759	93	11/5/2024	$ 11,293	$ 11,344
IGNACIO-MARE ISLD #1 - SUPPORT OF IGNACI	Asset Condition	NERC Compliance - GO 95	115	NA	5551781	93	11/14/2023	$ 1,238	$ 1,238
IGNACIO-MARE-ISLAND LAND RIGHTS ACQ	Asset Condition	NERC Compliance - GO 95	115	NA	5547940	93	NA	$ 735	$ 785



*Note: All dollar figures represented in the 000s

T.0007676 - AWS Gilroy 115kV Interconnection

Project Details

County		Santa Clara
Year of BC Approval		TBD
CAISO Year		NA
CPUC Filing Type		NOC
CPUC Status		TBD
CPUC Status Year		TBD
Total Actuals to Date	$	1,540
Current Projected Cost	$	17,821
In Service Date		5/7/2027
Project Status		Engineering
Original In-Service Date		TBD
Reason for Change in ISD		NA

Actual		Projected							
2025	ITD	2025	2026	2027	2028	2029	2030	2031	EAC
$151	**$1,540**	$4,183	$8,401	$145	$0	$0	$0	$0	**$17,821**
1%		23%	47%	1%	0%	0%	0%	0%	

Order Details

Project Name	Primary Purpose	Secondary Purpose	Transmission Voltage Level	Substation Voltage Level	Planning Order	MWC	In Service Date	Inception to Date	Estimated at Completion
AWS SFO69: Direct Assignment	WRO	Load Interconnection	NA	115 kV	5800026	82	5/7/2027	$ 94	$ 638
AWS SFO69: Llagas Remote End	WRO	Load Interconnection	NA	115 kV	5800025	82	6/24/2026	$ 305	$ 4,792
AWS SFO69: Morgan Hill RE	WRO	Load Interconnection	NA	115 kV	5800024	82	3/23/2026	$ 242	$ 2,481
AWS SFO69: GARLIC 115KV SS	WRO	Load Interconnection	NA	115 kV	5799024	82	1/20/2027	$ 513	$ 2,807
AWS SFO69: MH-Llagas 115kV Loop	WRO	Load Interconnection	115	NA	5547567	82	4/23/2026	$ 358	$ 5,943
AWS Gilroy: Land Acquisition	WRO	Load Interconnection	NA	115 kV	5547486	82	NA	$ 29	$ 1,160

Project Description

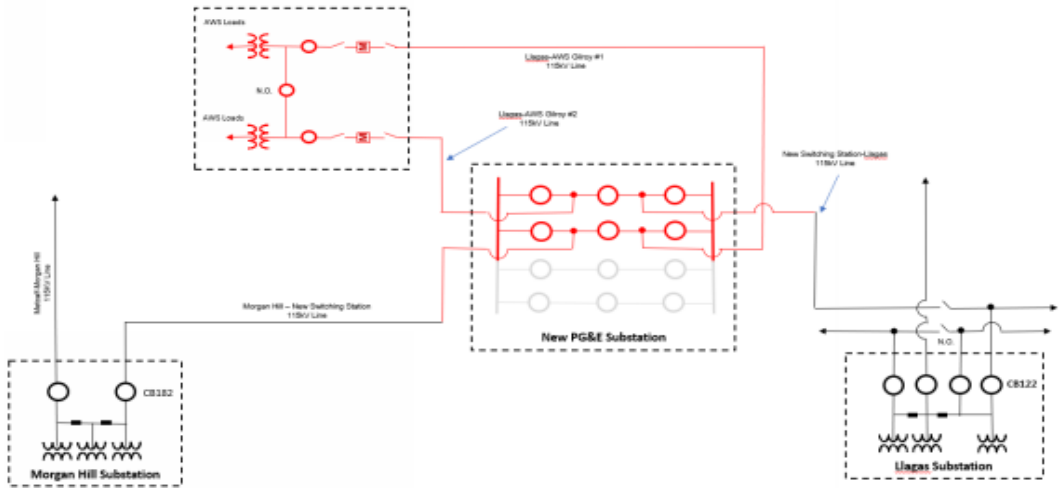
Construct new switching station and install additional conductor on the Morgan Hill-Llagas 115 kV tower line to a new switching station at the customer site.

Install two (2) 115kV bay BAAH Switching station on ADS property and include space for future expansion up to 4 bays
Install protective relaying for the new breakers/lines
Upgrade remote ends(ADS, Morgan Hill & Llagas substations) with the necessary protective relaying/communication/SCADA
Install 0.16 miles of Double Circuit Transmission line from Tower 019/123 on the Morgan Hill-Llagas 115 kV tower line to a new switching station

Entity Initiating Project: Third Party
Distribution Components: N/A

Project Need

The Interconnection Customer (IC), Amazon Data Services (ADS) has requested PG&E to serve the proposed data center located at following coordinates 37◦.00'58.23"N, 121◦.33'34.54"W. Amazon plans to build two datacenters and a dedicated customer power facility capable of receiving power starting with 30 MW and up to 96MW at 115 kV.



Project & Permitting Status Updates

Construction Start: 10/31/25
CPUC Date Filed: Expected 2025 Q2

*Note: All dollar figures represented in the 000s

T.0006100 - Potter Valley - Mendocino 60 KV TWR RPL

Project Details

County		Mendocino
Year of BC Approval		TBD
CAISO Year		NA
CPUC Filling Type		NOC
CPUC Status		TBD
CPUC Status Year		TBD
Total Actuals to Date	$	1,268
Current Projected Cost	$	4,647
In Service Date		7/17/2028
Project Status		Engineering
Original In-Service Date		10/31/2024
Reason for Change in ISD		Prioritization

Actual		Projected							
2025	ITD	2025	2026	2027	2028	2029	2030	2031	EAC
$16	**$1,268**	$2,156	$38	$63	$1,123	$0	$0	$0	**$4,647**
0%		46%	1%	1%	24%	0%	0%	0%	

Order Details

Project Name	Primary Purpose	Secondary Purpose	Transmission Voltage Level	Substation Voltage Level	Planning Order	MWC	In Service Date	Inception to Date	Estimated at Completion
TLSUP_POTTER VALLEY 1105 UNDERBUILD DIST	Asset Condition	Facility Relocation	N/A	N/A	5800359	6	7/17/2028	$ 98	$ 1,317
POTTER VALLEY - MENDOCINO 60 KV TWR RPL	Asset Condition	Replace Steel Poles	60	NA	5541160	70	11/26/2025	$ 1,169	$ 3,330

Project Description

Four lattice steel tower replacements (w/new lattice steel towers), replace conductors, insulators and transmission line from Structures 000/004 to 000/007. Reconductoring approximately 0.42 miles. The existing 3/0 CU conductor will be replaced with 397 AAC 19 Strands "Canna" between 000/004 and 000/007. No new access roads will be constructed. A pull site may be used for reconductoring activities, the location of which is still being determined.

Entity Initiating Project: PG&E
Distribution Components: Underbuild

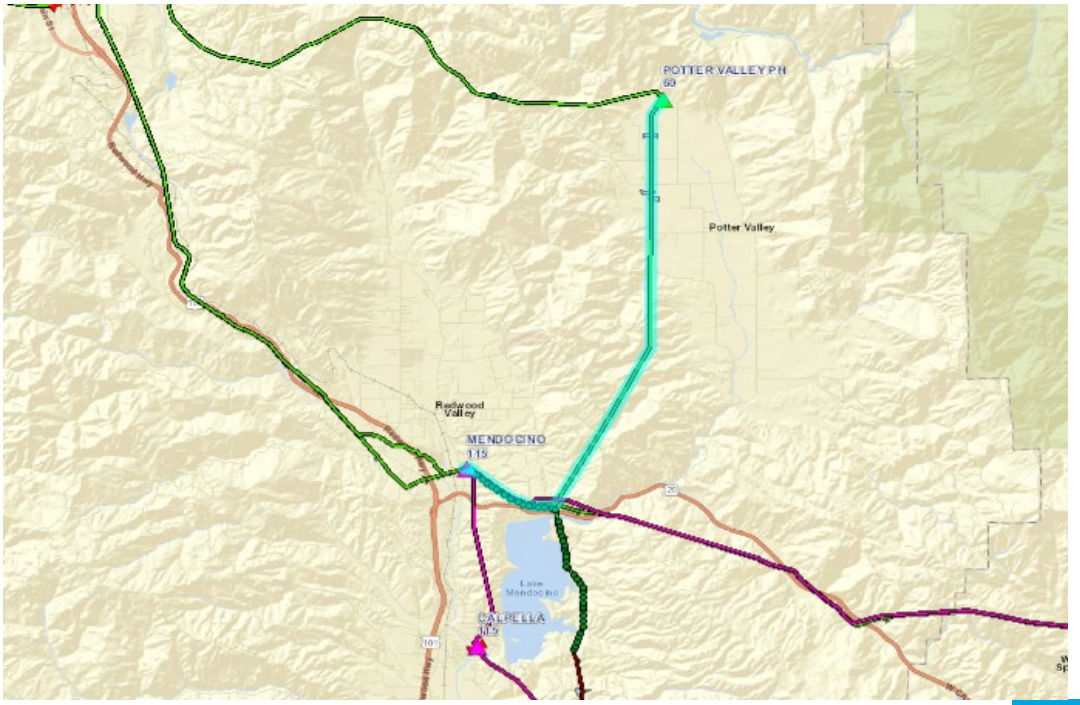
Project Need

Structures 000/005, 000/006 and associated conductor (1 span) be replaced due to severe leaning, on the Potter Valley-Mendocino 60 kV line. This issue was identified during inspection of the line as a part of the Wildfire Safety Inspection Program (WSIP) launched in 2018. Engineering review conducted by internal PG&E engineers has determined that the two structures cannot be replaced in place without creating cascading ground infractions. Other issues identified on the line were over-tension (OT), California Public Utilities Commission (CPUC) General Order GO-95 ground infractions and right-of-way (ROW) conductor blowout issues.

Project & Permitting Status Updates

Construction Start: 11/01/25
CPUC Date Filed: Expected 2025 Q3

NOC could be N/A. Need pull site location to complete ePlan and PEAR.



*Note: All dollar figures represented in the 000s

T.0009652 - Eden Landing Eastshore Grant

Project Details

County		Alameda
Year of BC Approval		TBD
CAISO Year		NA
CPUC Filling Type		NOC
CPUC Status		TBD
CPUC Status Year		TBD
Total Actuals to Date	$	941
Current Projected Cost	$	(21,564)
In Service Date		4/11/2028
Project Status		Engineering
Original In-Service Date		TBD
Reason for Change in ISD		NA

Actual 2025	ITD	Projected 2025	2026	2027	2028	2029	2030	2031	EAC
$78	**$941**	$2,190	-$12,250	-$10,076	-$2,209	$0	$0	$0	**-$21,564**
0%		-10%	57%	47%	10%	0%	0%	0%	

Order Details

Project Name	Primary Purpose	Secondary Purpose	Transmission Voltage Level	Substation Voltage Level	Planning Order	MWC	In Service Date	Inception to Date	Estimated at Completion
EDEN LANDING INSTALL T-LINE	WRO	Load Interconnection	115	NA	5807592	82	4/29/2027	$ 380	$ 2,892
EDEN LANDING INSTALL GIS	WRO	Load Interconnection	NA	115 kV	5807505	82	2/8/2028	$ 178	$ (27,308)
EDEN LANDING DIRECT ASSIGNMENT	WRO	Load Interconnection	NA	115 kV	5554926	82	4/11/2028	$ 90	$ 545
GRANT REMOTE END UPGRADE	WRO	Load Interconnection	NA	115 kV	5554925	82	7/1/2026	$ 112	$ 1,172
EASTSHORE REMOTE END UPGRADE	WRO	Load Interconnection	NA	115 kV	5554924	82	6/2/2026	$ 181	$ 1,135

Project Description

The project scope of work includes following:
Install Gas Insulated Switchgear (GIS) Switching Station: Install two (2) GIS BAAH switching station looping into Grant-Eastshore #2 115kV Line. Provide dual 115kV service from a new GIS Switching station.
Install T-Line: Two 115 kV OH Transmission lines will be built to interconnect 115 kV GIS switching station to Eastshore & Grant's 115 kV bus. The new line will be 0.40 double circuit miles of aluminum concentric stranded conductor.

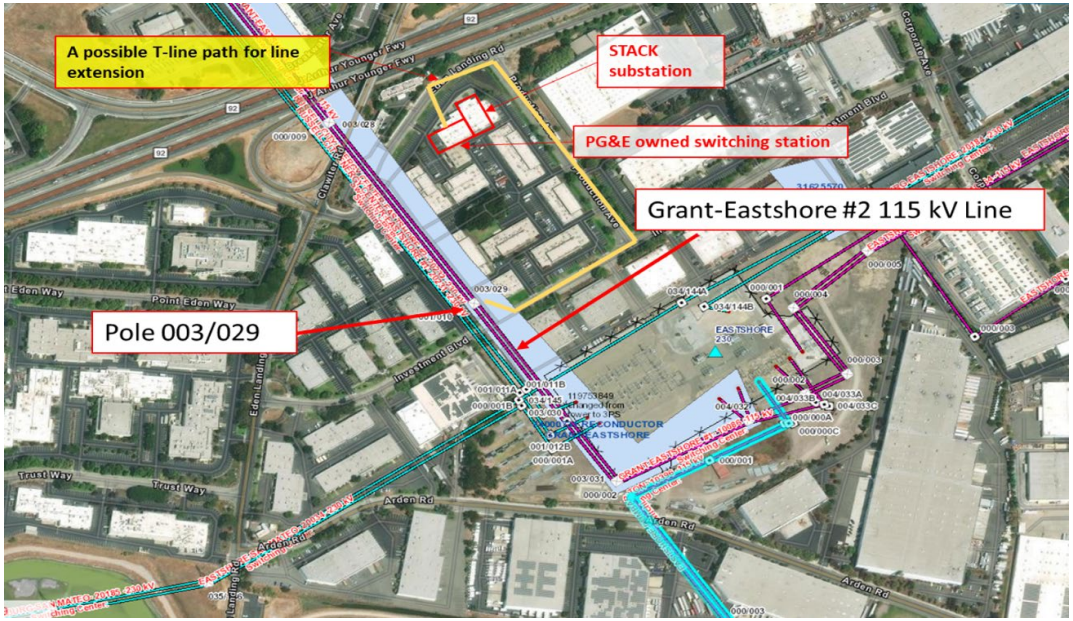
Entity Initiating Project: Third Party
Distribution Components: N/A

Project Need

STACK, the Interconnection Customer (IC), has submitted an application to Pacific Gas and Electric Company (PG&E) to interconnect a manufacturing load located at 26102 Eden Landing Road, Hayward, CA 94545 to PG&E's Transmission system. The Project has an initial demand of 15 MW and reach 75 MW in Q1 2030.

Project & Permitting Status Updates

Construction Start: 03/16/26
CPUC Date Filed: Expected 2025 Q3



*Note: All dollar figures represented in the 000s

T.0004279 - Salinas-Laureles 60kV:RELO:S_Davis_Rd

Project Details

County		Monterey
Year of BC Approval		2020
CAISO Year		NA
CPUC Filling Type		NOC
CPUC Status		TBD
CPUC Status Year		TBD
Total Actuals to Date	$	133
Current Projected Cost	$	355
In Service Date		11/3/2025
Project Status		Engineering
Original In-Service Date		11/30/2020
Reason for Change in ISD		Customer Action

Project Description

This project will replace 27 transmission poles and install 2 new transmission poles, with distribution underbuild, between structures 002/060 to 003/096.

An additional 12 distribution poles will be replaced and 5 new distribution poles will be installed as part of the construction project, since the alignment of the distribution poles is affected by the transmission relocation. Additionally, an existing PG&E Cabinet located by Pole 002/060 will be removed, and 3 guy stubs will be relocated.

Entity Initiating Project: Third Party
Distribution Components: Underbuild

Project Need

Monterey County is requesting that PG&E relocate transmission poles on the Salinas-Laureles 60 kV Line in Monterey County to accommodate their planned construction project to widen Davis Road and reconstruct the existing bridge over the Salinas River.

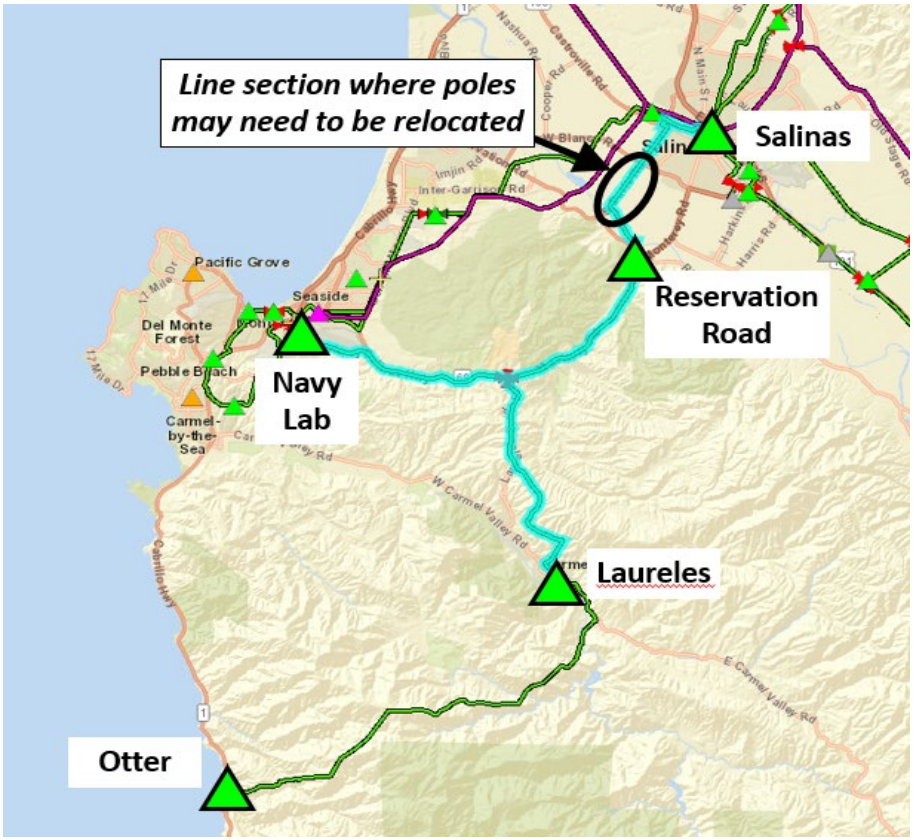
Project & Permitting Status Updates

Construction Start: 10/17/25
CPUC Date Filed: Expected 2025 Q3

Actual		Projected							
2025	ITD	2025	2026	2027	2028	2029	2030	2031	EAC
$6	**$133**	$2,386	-$1,690	$0	$0	$0	$0	$0	**$355**
2%		672%	-476%	0%	0%	0%	0%	0%	

Order Details

Project Name	Primary Purpose	Secondary Purpose	Transmission Voltage Level	Substation Voltage Level	Planning Order	MWC	In Service Date	Inception to Date	Estimated at Completion
SALINAS-LAURELES 60KV:RELO:S_DAVIS_RD	WRO	Facility Relocation	60	NA	5531823	82	11/3/2025	$ 133	$ 355



*Note: All dollar figures represented in the 000s

T.0009603 - Garberville Area Reinforcement

Project Details

County		Humboldt
Year of BC Approval		TBD
CAISO Year		2023
CPUC Filling Type		NOC
CPUC Status		TBD
CPUC Status Year		TBD
Total Actuals to Date	$	408
Current Projected Cost	$	41,576
In Service Date		1/13/2028
Project Status		Engineering
Original In-Service Date		12/31/2032
Reason for Change in ISD		NA

Actual 2025	ITD	Projected 2025	2026	2027	2028	2029	2030	2031	EAC
$28	**$408**	$1,055	$1,015	$38,619	$198	$0	$0	$0	**$41,576**
0%		3%	2%	93%	0%	0%	0%	0%	

Order Details

Project Name	Primary Purpose	Secondary Purpose	Transmission Voltage Level	Substation Voltage Level	Planning Order	MWC	In Service Date	Inception to Date	Estimated at Completion
GARBERVILLE 60KV AREA REINFORCEMENT	Reliability	Line Reconductoring	60	60 kV	5807359	60	1/13/2028	$ 408	$ 41,576

Project Description

This project proposes to:
Reconductor the entire Bridgeville-Garberville 60 kV line to achieve at least 631Amps of summer normal rating (715 AAC conductor) which is about 36 circuit miles in length.
Install a 20 MVAR STATCOM at Fort Seward 60 kV Substation.
Establish a control point to open line section from Garberville to Kekawaka 60 kVline.
Establish a control point to open line section from Rio Dell Jct. to Carlotta 60 kV line.

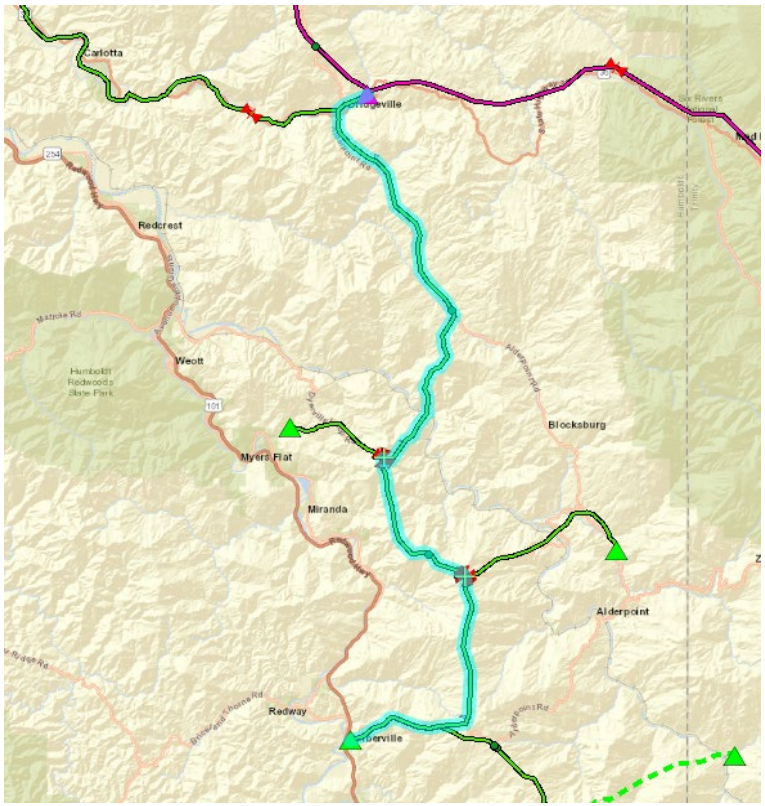
Entity Initiating Project: CAISO
Distribution Components: N/A

Project Need

This project will provide additional transmission capacity to effectively serve electric customers in Humboldt County. The Bridgeville-Garberville 60kV Transmission Line will become one of the first projects in Humboldt region by being more robust in allowing the area to mitigate thermal overloading conditions and would allow for the continued support in connecting awaiting agricultural distribution customers. This project will also increase operating flexibility, load serving capability, customer reliability, and reduce losses on the electric grid.

Project & Permitting Status Updates

Construction Start: 04/05/27
CPUC Date Filed: Expected 2025 Q4



*Note: All dollar figures represented in the 000s

T.0000156 - Wheeler Ridge Junction Substation

Project Details

County		Kern
Year of BC Approval		TBD
CAISO Year		2014
CPUC Filling Type		PTC
CPUC Status		TBD
CPUC Status Year		TBD
Total Actuals to Date	$	20,740
Current Projected Cost	$	340,410
In Service Date		7/11/2033
Project Status		Engineering
Original In-Service Date		5/1/2020
Reason for Change in ISD		ISO Action

Actual		Projected							
2025	ITD	2025	2026	2027	2028	2029	2030	2031	EAC
$183	**$20,740**	$3,924	$12,676	$7,323	$68,270	$95,322	$67,413	$32,703	**$340,410**
0%		1%	4%	2%	20%	28%	20%	10%	

Project Description

This project will construct a new 230/115 kV transmission substation in the Bakersfield area to provide additional transmission capacity and improve service reliability to customer in the greater Kern County area. Key project elements include competitive and noncompetitive scopes:

Competitive Scope (230 kV):
Construct 230 kV portion of WRJ project substation (to be named Casa Loma Substation), including two new 230/115 kV transformers and three 230 kV line terminations.Acquire land rights and permits for substation.

Non-competitive Scope (230 kV / 115 kV):
Construct a new two and-a-half bay, BAAH 115 kV bus configuration at the new WRJ project substation. Install a new MPAC building. Upgrade existing Wheeler Ridge-Adobe Switching Station and Adobe Switching Station-Lamont 115 kV lines to 230 kV. Upgrade existing Kern-Tevis-Stockdale-Lamont and Kern Tevis-Stockdale 115 kV lines to 230 kV. Reconductor Stockdale 230 kV tap #1 and #2 lines.

Entity Initiating Project: CAISO
Distribution Components: N/A

Project Need

Completion of this project will mitigate the thermal overload and voltage concerns identified in the Wheeler Ridge 230 kV system, specifically relating to the CDWR agreement, by providing a more reliable 230 kV source from Kern PP substation. This project will also address similar concerns in the Kern PP 115 kV system.

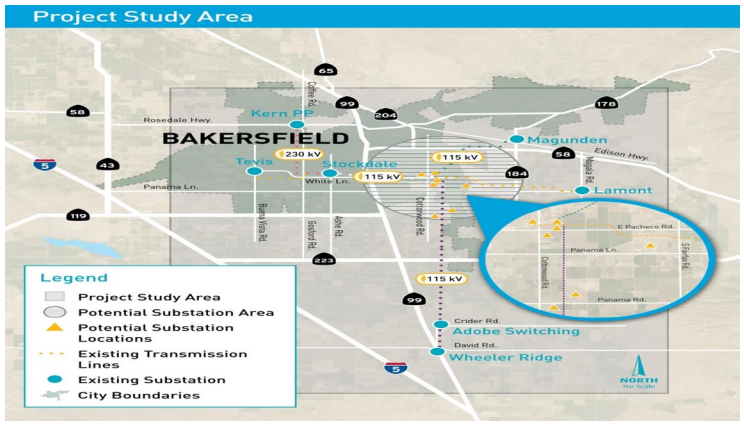
Project & Permitting Status Updates

Construction Start: 03/01/28
CPUC Date Filed: Expected 2025 Q4

Pre-filing of PEA expected Q2 or Q3 2025

Order Details

Project Name	Primary Purpose	Secondary Purpose	Transmission Voltage Level	Substation Voltage Level	Planning Order	MWC	In Service Date	Inception to Date	Estimated at Completion
W R -WEEDPATCH (9/119 - WR)	Reliability	T-Line Capacity	70	NA	5773278	60	7/11/2033	$ 22	$ 2,774
STOCKDALE 230KV SUBSTATION - AMPACITY AN	Reliability	Substation Capacity	NA	230 kV	5771739	61	1/13/2032	$ 409	$ 37,351
KERN PP 230KV SUBSTATION - RELAY UPGRADE	Reliability	Substation Capacity	NA	230 kV	5771738	61	3/31/2031	$ 18	$ 2,047
WHEELER RIDGE 230KV STATION - NEW BAY	Reliability	Substation Capacity	NA	230 kV	5771737	61	2/24/2031	$ 39	$ 6,877
ADOBE 115KV STATION - LINE & RELAY UPGRA	Reliability	Substation Capacity	NA	115 kV	5771736	61	6/25/2031	$ 8	$ 807
LAMONT 115KV SUBSTATION - RELAY UPGRADE	Reliability	Substation Capacity	NA	115 kV	5771734	61	11/25/2030	$ 17	$ 1,042
KERN PP 115KV SUBSTATION - RELAY UPGRADE	Reliability	Substation Capacity	NA	115 kV	5771733	61	10/31/2030	$ 19	$ 800
RECONDUCTOR STOCKDALE_MAGUNDEN 115KV	Reliability	T-Line Capacity	115	NA	5767237	60	12/1/2032	$ 31	$ 2,336
RECONDUCTOR KERN PP_STOCKDALE 230KV	Reliability	New T-Line	230 | 115	NA	5767236	60	12/1/2032	$ 159	$ 22,582
VOLTAGE UPGRADE STOCKDALE_ LAMONT 115KV	Reliability	T-Line Capacity	115	NA	5767235	60	12/1/2032	$ 79	$ 24,531
VLTG UPG WR SS_WRJ CASA LOMA_115KV TO 230	Reliability	T-Line Capacity	115	NA	5767234	60	12/1/2032	$ 100	$ 47,332
WRJ NONCOMPETITIVE_CPUC LIC/PER	Reliability	T-Line Capacity	230 | 115	NA	5767233	60	12/8/2027	$ 15,287	$ 20,406
WRJ COMPETITIVE_CPUC LIC/PER	Reliability	Substation Capacity	NA	230 | 115 kV	5767232	61	4/16/2029	$ 3,294	$ 5,434
CASA LOMA JCT SUBST_COMPETITIVE	Reliability	New Substation	NA	230 | 115 kV	5767215	61	5/30/2031	$ 777	$ 90,772
CASA LOMA JUNCTION SUBSTATION	Reliability	New Substation	NA	230 | 115 kV	5767199	61	6/2/2032	$ 481	$ 74,318
PURCHASE LAND FOR NEW TRANSMISSION LINE	Reliability	T-Line Capacity	NA	NA	5523422	60	NA	$ -	$ 1,000



T.0008218 - Q1444 Beauchamp

Project Details

County		Colusa
Year of BC Approval		2024
CAISO Year		2022
CPUC Filling Type		NOC
CPUC Status		TBD
CPUC Status Year		TBD
Total Actuals to Date	$	896
Current Projected Cost	$	7,206
In Service Date		7/9/2027
Project Status		Engineering
Original In-Service Date		4/28/2025
Reason for Change in ISD		Prioritization

Actual		Projected							
2025	ITD	2025	2026	2027	2028	2029	2030	2031	EAC
$88	**$896**	$3,465	$2,635	$305	$0	$0	$0	$0	**$7,206**
1%		48%	37%	4%	0%	0%	0%	0%	

Order Details

Project Name	Primary Purpose	Secondary Purpose	Transmission Voltage Level	Substation Voltage Level	Planning Order	MWC	In Service Date	Inception to Date	Estimated at Completion
Q1444 SALOON ENRGY CRTNA CB(RNU)	Generator Interconnection	Generation Interconnection	NA	115 kV	5800367	82	6/26/2026	$ 830	$ 7,152
Q1444 SALOON ENERGY T-LINE (DA)	Generator Interconnection	Generation Interconnection	115	NA	5800366	82	6/1/2027	$ 4	$ (1)
Q1444 SALOON ENERGY GEN SITE (DA)	Generator Interconnection	Generation Interconnection	NA	115 kV	5800365	82	6/9/2027	$ 0	$ 122
Q1444 SALOON ENERGY STORAGE (DA)	Generator Interconnection	Generation Interconnection	NA	115 kV	5800364	82	6/4/2027	$ 61	$ (66)
Q1444 SALOON ENERGY METER (DA)	Generator Interconnection	Generation Interconnection	NA	115 kV	5548811	82	7/9/2027	$ -	$ (0)

Project Description

The Project is a PV and battery generation plant with a net output of 150 MW to Pacific Gas and Electric Company's (PG&E's) owned Cortina 115 kV Substation in Colusa County CA

Entity Initiating Project: Third Party
Distribution Components: NA

Project Need

This project will support California's policy to increase renewable energy production and reduce greenhouse gas emissions and fulfill the Utility's obligation to serve mandated by the Federal Energy Regulatory Commission (FERC).

Project & Permitting Status Updates

Construction Start: 10/14/25
CPUC Date Filed: Expected 2026 Q1

*Note: All dollar figures represented in the 000s

T.0009607 - Tulucay-Napa #2 60 kV line Reconductoring Project

Project Details

County		Napa
Year of BC Approval		TBD
CAISO Year		2023
CPUC Filling Type		NOC
CPUC Status		TBD
CPUC Status Year		TBD
Total Actuals to Date	$	163
Current Projected Cost	$	5,499
In Service Date		12/17/2026
Project Status		Engineering
Original In-Service Date		12/31/2028
Reason for Change in ISD		Prioritization

Actual 2025	ITD	Projected 2025	2026	2027	2028	2029	2030	2031	EAC
$32	**$163**	$436	$4,371	$383	$0	$0	$0	$0	**$5,499**
1%		8%	79%	7%	0%	0%	0%	0%	

Order Details

Project Name	Primary Purpose	Secondary Purpose	Transmission Voltage Level	Substation Voltage Level	Planning Order	MWC	In Service Date	Inception to Date	Estimated at Completion
TULUCAY-NAPA 60KV LINE RECONDUCTORING	Reliability	Line Reconductoring	60	NA	5807341	60	12/17/2026	$ 163	$ 5,499

Project Description

Reconductor approximately 1.38 miles of the Tulucay-Napa #2 60 kV Line from Tulucay to Basalt with a conductor able to achieve at least 1350 Amps of summer emergency rating. The use of Aluminum conductor composite reinforced (ACCR) will be investigated to minimize unnecessary structure replacement.

Entity Initiating Project: CAISO
Distribution Components: NA

Project Need

The Tulucay-Napa 60 kV line is around 3.9 miles long with 65 structures in Napa county. The 2022 planning analysis concluded that during summer peak conditions, the Tulucay – Napa No.2 60 kV Line could overload by 7.0 % in 2032 following an outage of the Tulucay – Napa No. 1 60 kV Line. This line is projected to experience overloading as high as 35.9% for P1 (loss of one transmission component) category outage, with overloads occurring in 2024 and beyond.

Project & Permitting Status Updates

Construction Start: 11/06/26
CPUC Date Filed: Expected 2026 Q1

*Note: All dollar figures represented in the 000s

T.0010100 - Applied Materials Arques Load Increase

Project Details

County	Santa Clara
Year of BC Approval	TBD
CAISO Year	NA
CPUC Filing Type	NOC | NOC | NOC
CPUC Status	TBD
CPUC Status Year	TBD
Total Actuals to Date	$ 939
Current Projected Cost	$ 69,964
In Service Date	12/23/2030
Project Status	Engineering
Original In-Service Date	TBD
Reason for Change in ISD	NA

Project Description

Lockheed 2 Substation: Install two (2) 115kV Circuit Breaker (CB) and associated equipment replacing the existing Circuit Switchers (326 & 346)
Reconductor Newark-Lockheed #2 transmission line
Reconductor Monta Vista-Britton transmission line
Expansion on Applied Materials Switching Station

Entity Initiating Project: Third Party
Distribution Components: N/A

Project Need

The Interconnection Customer (IC), Applied Material (AM) has requested PG&E to increase load located at 930 E. California Ave, Sunnyvale, CA 94085. The proposed scope will add an additional 14MW, 23MW & 15MW in Phase 1, Phase 2 & Phase 3 respectively to the existing 20MW.

Project & Permitting Status Updates

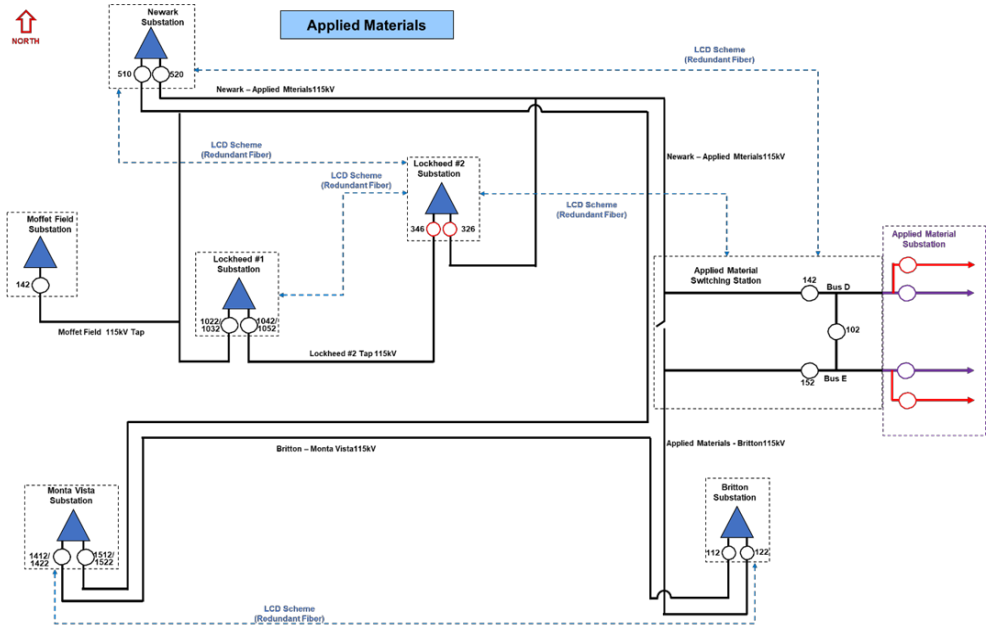
Construction Start: 08/18/25
CPUC Date Filed:
Expected 2026 Q1
(5809176 - Phase 2)
Expected 2027 Q1
(5810600 - Phase 3)
Expected 2027 Q1
(5810602 - Phase 3)

Phase 1 N/A, Phase 2 NOC (Applied Materials Expansion), & Phase 3 NOC (Reconductoring)

Actual 2025	ITD	Projected 2025	2026	2027	2028	2029	2030	2031	EAC
$93	**$939**	$6,490	$15,314	$10,164	$14,075	$11,182	$11,720	$884	**$69,964**
1%		28%	47%	27%	0%	0%	0%	0%	

Order Details

Project Name	Primary Purpose	Secondary Purpose	Transmission Voltage Level	Substation Voltage Level	Planning Order	MWC	In Service Date	Inception to Date	Estimated at Completion
L0006_BRITTON SUB PROTECTION UPGRADE	WRO	Load Interconnection	NA	115 kV	5810601	82	2/17/2028	$ 21	$ 521
L0006_MONTA VISTA PROTECTION UPGRADE	WRO	Load Interconnection	NA	115 kV	5810599	82	3/27/2028	$ 18	$ 522
L0006_NEWARK SUB PROTECTION UPGRADE	WRO	Load Interconnection	NA	115 kV	5810598	82	7/9/2027	$ 19	$ 590
L0006_LOCKHEED #2 PROTECTION UPGRADE	WRO	Load Interconnection	NA	115 kV	5810528	82	9/28/2027	$ 99	$ 8,935
L0006_LOCKHEED #1 PROTECTION UPGRADE	WRO	Load Interconnection	NA	115 kV	5810527	82	11/16/2026	$ 21	$ 568
L0006_APPLIED MATERIALS SW STAT PROT	WRO	Load Interconnection	NA	115 kV	5810526	82	2/3/2027	$ 101	$ 4,426
APPLIED MATERIALS ARQUES LOAD INCREASE	WRO	Load Interconnection	NA	115 kV	5809176	82	9/1/2025	$ 305	$ 1,546
L0006: NEWARK-LOCKHEED #2 RECON	WRO	Load Interconnection	NA	115 kV	5810600	82	1/30/2030	$ 201	$ 25,529
L0006: BRITTON-MONTA VISTA RECON	WRO	Load Interconnection	NA	115 kV	5810602	82	12/23/2030	$ 153	$ 27,326



*Note: All dollar figures represented in the 000s

T.0009641 - Cortina #1 60 kV Line Reconductoring

Project Details

County		Colusa
Year of BC Approval		TBD
CAISO Year		2024
CPUC Filing Type		NOC
CPUC Status		TBD
CPUC Status Year		TBD
Total Actuals to Date	$	297
Current Projected Cost	$	82,574
In Service Date		2/2/2028
Project Status		Engineering
Original In-Service Date		6/1/2028
Reason for Change in ISD		N/A

Actual		Projected							
2025	ITD	2025	2026	2027	2028	2029	2030	2031	EAC
$125	**$297**	$1,930	$30,342	$48,584	$532	$0	$0	$0	**$82,574**
0%		2%	37%	59%	1%	0%	0%	0%	

Order Details

Project Name	Primary Purpose	Secondary Purpose	Transmission Voltage Level	Substation Voltage Level	Planning Order	MWC	In Service Date	Inception to Date	Estimated at Completion
ARBUCKLE SUB TERMINAL UPGRADES	Reliability	Line Termination	NA	60 kV	5811850	61	12/22/2027	$ 12	$ 877
CORTINA #1 SUB TERMINAL UPGRADES	Reliability	Line Termination	NA	60 kV	5811724	61	11/24/2027	$ 16	$ 851
CORTINA 1 RECOND ARBUCKLE TO DUNNIGAN	Reliability	Line Reconductoring	60	NA	5811325	60	2/2/2028	$ 66	$ 23,529
CORTINA #1 RECOND CORTINA TO ARBUCKLE	Reliability	Line Reconductoring	60	NA	5807521	60	6/14/2027	$ 203	$ 57,318

Project Description

The project scope of work includes: Reconductor approximately 26.2 miles of the Cortina #1 60 kV Line between Cortina Substation and Dunnigan Substation with a conductor able to achieve at least 818 Amps of summer interior normal rating. Existing distribution underbuild will be relocated to new transmission structures. Removal of the idle Drake Substation tap and Switch 25. Upgrade substation terminal equipment to achieve full conductor capacity.

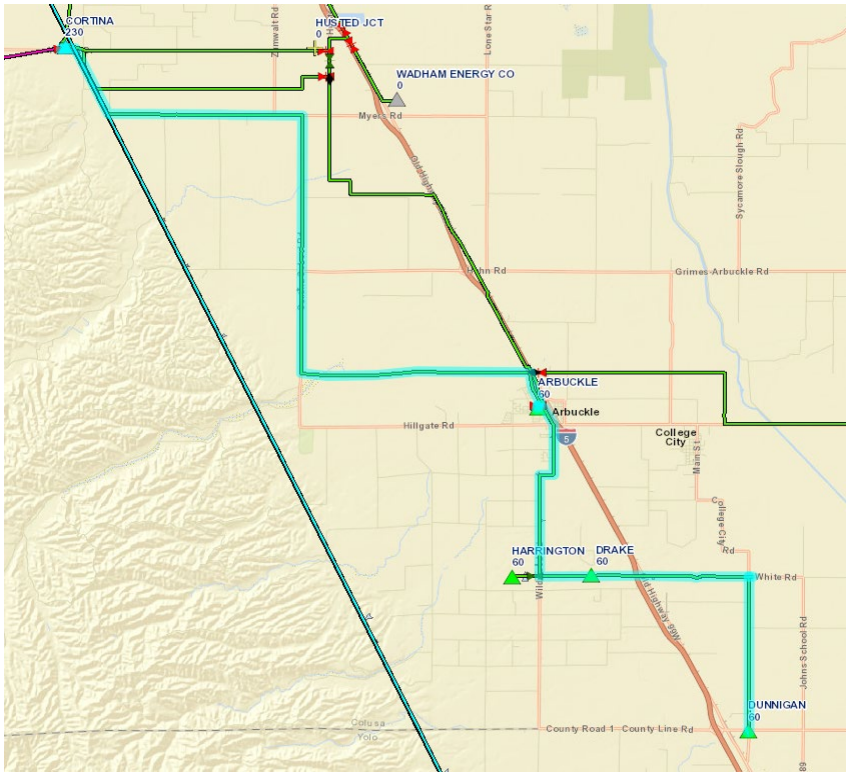
Entity Initiating Project: CAISO
Distribution Components: Underbuild

Project Need

The Cortina #1 60 kV transmission line, located in Colusa County, is approximately 26.2 miles long and supported by 447 structures. The Arbuckle, Harrington and Dunnigan 60 kV substations are radially served by the Cortina #1 60 kV line with the Cortina #2 60 kV line serving as an alternate source with normally open switches. This project will help facilitate the delivery of an additional 10 MW to serve increased load in the Cortina area due to the addition of Tesla charging banks.

Project & Permitting Status Updates

Construction Start: 06/04/27
CPUC Date Filed: Expected 2026 Q3



*Note: All dollar figures represented in the 000s

T.0009536 - Metcalf-Piercy, Swift-Metcalf, and Newark-Dixon Landing 115 kV Lines

Project Details

County		Santa Clara
Year of BC Approval		TBD
CAISO Year		2002
CPUC Filling Type		NOC
CPUC Status		TBD
CPUC Status Year		TBD
Total Actuals to Date	$	240
Current Projected Cost	$	91,879
In Service Date		5/12/2028
Project Status		Planning
Original In-Service Date		12/31/2008
Reason for Change in ISD		Prioritization

Actual 2025	ITD	Projected 2025	2026	2027	2028	2029	2030	2031	EAC
$44	**$240**	$2,208	$24,427	$20,704	$5,000	$38,300	$1,000	$0	**$91,879**
0%		2%	27%	23%	5%	42%	1%	0%	

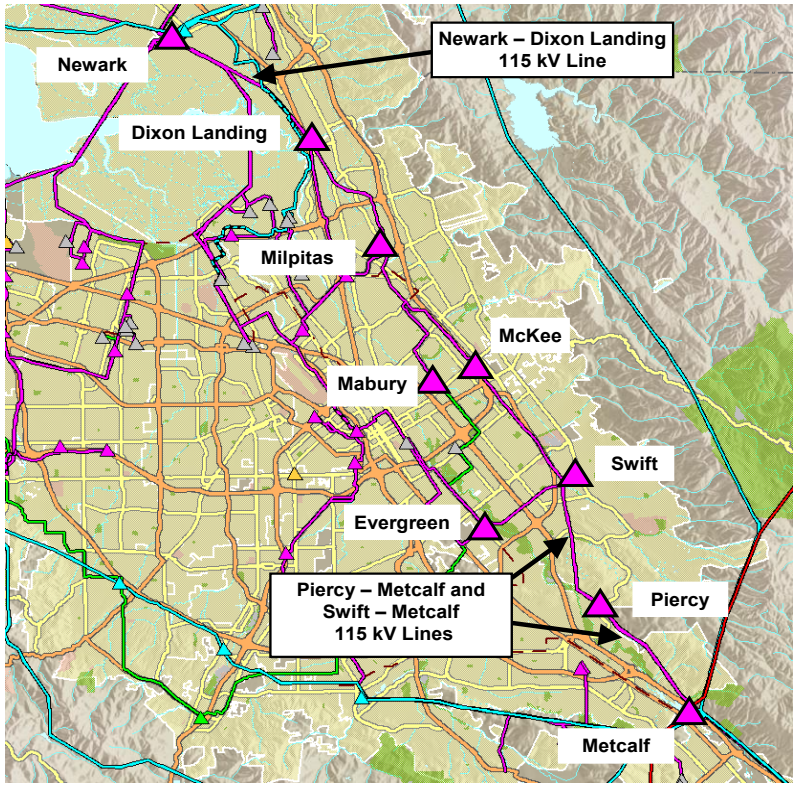
Order Details

Project Name	Primary Purpose	Secondary Purpose	Transmission Voltage Level	Substation Voltage Level	Planning Order	MWC	In Service Date	Inception to Date	Estimated at Completion
NEWARK-DIXON LANDING 10227_Reconductor	Reliability	Line Reconductoring	115	NA	5806850	60	3/1/2027	$ 0	$ 0
SWIFT-METCALF 10326_Reconductor	Reliability	Line Reconductoring	115	NA	5806849	60	3/1/2027	$ 219	$ 91,855
PIERCY-METCALF 10390_Reconductor	Reliability	Line Reconductoring	115	NA	5806848	60	5/12/2028	$ 20	$ 23

Project Description

Reconductor the Piercy – Metcalf 115 kV Line, approximately 4.7 circuit miles, with a conductor able to achieve at least 1500 Amps of summer emergency rating. Reconductor the Swift-Metcalf 115 kV Line, approximately 8.9 circuit miles, with a conductor able to achieve at least 1500 Amps of summer emergency rating. Reconductor the Newark – Dixon Landing 115 kV Line, approximately 4.7 circuit miles, with a conductor able to achieve at least 1500 Amps of summer emergency rating. Upgrade terminal equipment at Piercy, Swift, Metcalf, Newark and Dixon Landing substations, as needed, to accommodate transmission line conductor capacity.

Entity Initiating Project: CAISO
Distribution Components: NA



Project Need

This project will increase operating flexibility, load serving capability, customer reliability, eliminate contingency overloads, and harden the transmission system.

Project & Permitting Status Updates

Construction Start: 10/12/27
CPUC Date Filed: Expected 2026 Q4

*Note: All dollar figures represented in the 000s