

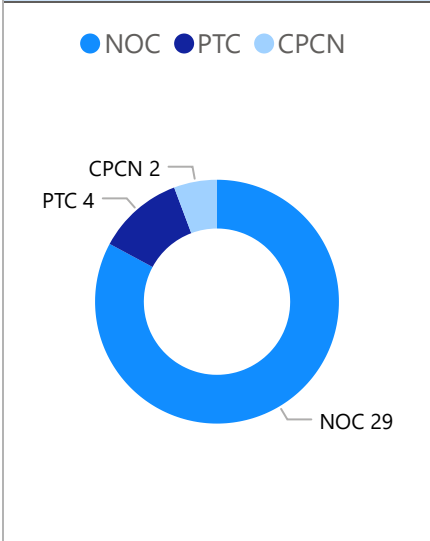
T.Dot	T.Dot Project Description	CPUC Filing Type	CPUC Date Filed	CPUC Status	CPUC Status: Year	Project Status
T.0000159	Egbert 230kV Switching Station	CPCN: A.17-12-021	12/28/17	Approved	2020	Engineering
T.0000597	VIERRA 115 KV REINFORCEMENT	PTC: A.18-06-004	06/15/18	Approved	2021	Construction
T.0000154	Estrella 230 kV Transmission Substation	PTC: A.17-01-023	01/25/17	Approved	2024	Construction
T.0009641	Cortina #1 60 kV Line Reconductoring	NOC: AL 7836-E	02/11/26	Approved	2026	Engineering
T.0000007	Vaca Dixon Area Reinforcement Project	NOC: AL 7542-E PTC: A.24-06-008	3/12/2025 6/28/2024	Approved Approved	2025 2026	Construction
T.0010903	L0015_16 Hellyer SS Large Load	NOC: AL 7847-E (5815152) NOC (5814132)	2/26/26 (5815152) Expected 2027 Q1 (5814132)	Approved TBD	2026 TBD	Engineering
T.0007979	Q1557 Noosa 115 T-L DNU	NOC: AL 7787-E (5799800) NOC: AL 7924-E (5799798) NOC (5799799)	12/17/25 6/5/26 Expected 2026 Q2	Approved Filed & Under Review TBD	2026 TBD TBD	Construction
T.0000155	Lockeford - Lodi Area 230 kV Development	CPCN: A.23-09-001	09/01/23	Filed and Under Review	TBD	Engineering
T.0000349	Moraga-Oakland #1-#4 Rebuild	PTC: A. 24-11-005	11/15/24	Filed and Under Review	TBD	Engineering
T.0010465	San Jose A -Substation rebuild	NOC: AL 7912-E	05/13/26	Filed and Under Review	TBD	Engineering
T.0011036	IGNACIO - MARE ISLAND TWR REPL PHASE 5	NOC	Expected 2026 Q2	TBD	TBD	Engineering
T.0009607	Tulucay-Napa 60kV Line Reconductoring	NOC	Expected 2026 Q3	TBD	TBD	Engineering
T.0009652	L04 AWS SFO071 Eden Landing Load Interco	NOC	Expected 2026 Q3	TBD	TBD	Engineering
T.0004271	Morgan Hill-Watsonville 115kV Area Reinf	NOC	Expected 2026 Q3	TBD	TBD	Engineering
T.0010604	Jefferson-Stanford Cable Replacement	NOC	Expected 2026 Q3	TBD	TBD	Engineering
T.0008334	Jefferson-Stanford 60kV Rep Pole 06/157	NOC	Expected 2026 Q3	TBD	TBD	Engineering
T.0008740	Tulucay-Napa No. 2 60kV Pole Relo	NOC	Expected 2026 Q3	TBD	TBD	Engineering
T.0000156	Wheeler Ridge Junction Substation	PTC	Expected 2026 Q3	TBD	TBD	Engineering
T.0000070	BRIGHTON-GRAND ISLAND #1 & #2 115KV NERC	NOC	Expected 2026 Q4	TBD	TBD	Construction
T.0010100	Applied Materials Arques Load Increase	NOC	Expected 2026 Q4	TBD	TBD	Construction
T.0010873	LC24-2 Lockheed #1 Sub TLine Cust Sub	NOC	Expected 2026 Q4	TBD	TBD	Engineering
T.0009603	Garberville 60kV Area Reinforcement	NOC	Expected 2026 Q4	TBD	TBD	Engineering
T.0002707	Kern - Kern Oil 115 kV Line Reconductori	NOC	Expected 2026 Q4	TBD	TBD	Engineering
T.0009536	Dixon Landing 115 kV Upgrade	NOC	Expected 2027 Q2	TBD	TBD	Engineering
T.0004347	Herndon - Bullard Nos. 1 and 2 115 kV RC	NOC	Expected 2027 Q2	TBD	TBD	Engineering
T.0004832	South Of Mesa Upgrade Project	NOC	Expected 2027 Q3	TBD	TBD	Engineering
T.0000157	Oro Loma 70kV Reinforcement	NOC	Expected 2027 Q3	TBD	TBD	Engineering
T.0004113	Midway-Temblor 115kV Recon & Voltage Sup	NOC	Expected 2027 Q3	TBD	TBD	Engineering
T.0011037	IGNACIO - MARE ISLAND TWR REPL PHASE 6	NOC	Expected 2027 Q3	TBD	TBD	Engineering
T.0000423	TEMBLOR-SAN LUIS OBISPO 115KV NERC	NOC	Expected 2027 Q3	TBD	TBD	Engineering
T.0009189	New Collinsville 500kV Sub Connection Pr	NOC	Expected 2027 Q4	TBD	TBD	Engineering



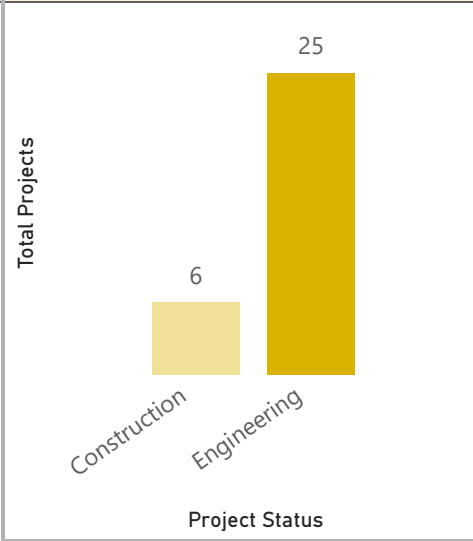
CPUC Permitted Projects - Q2 2026

Total Projects	Total Permits	Permits Approved	Permits Under Review	Permits Not Yet Filed
31	35	11	3	21

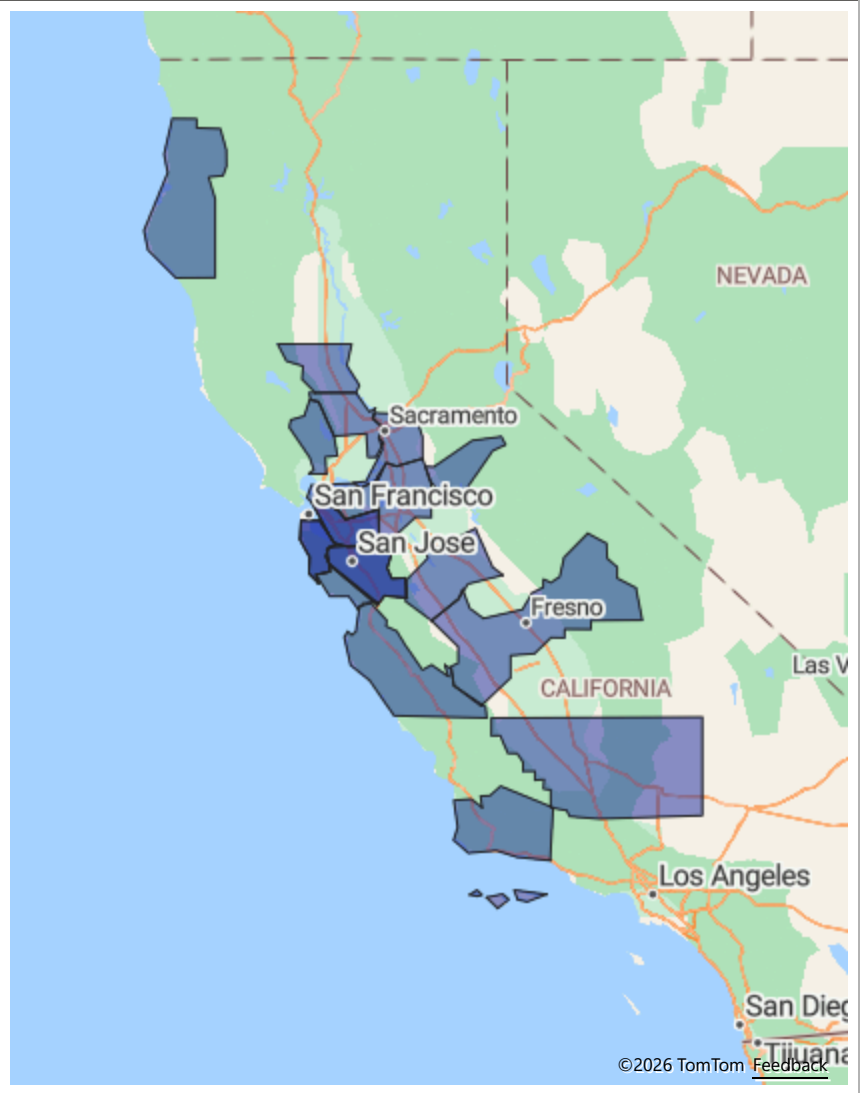
Filing Type Distribution



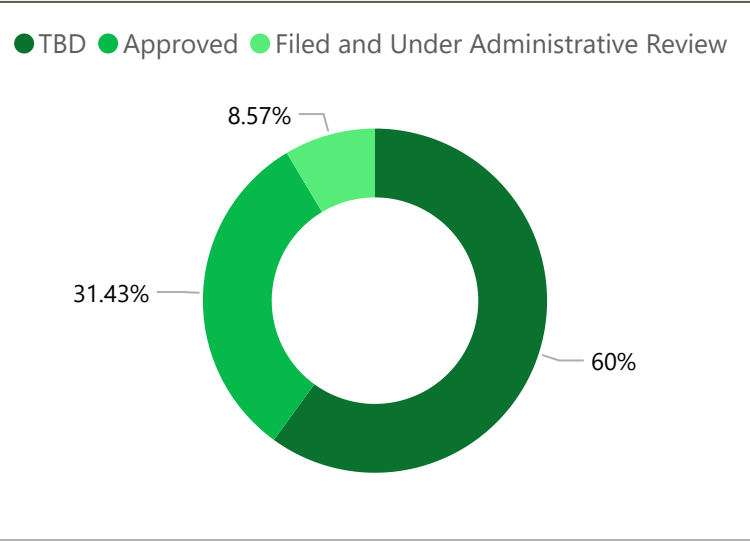
Project Phase Distribution



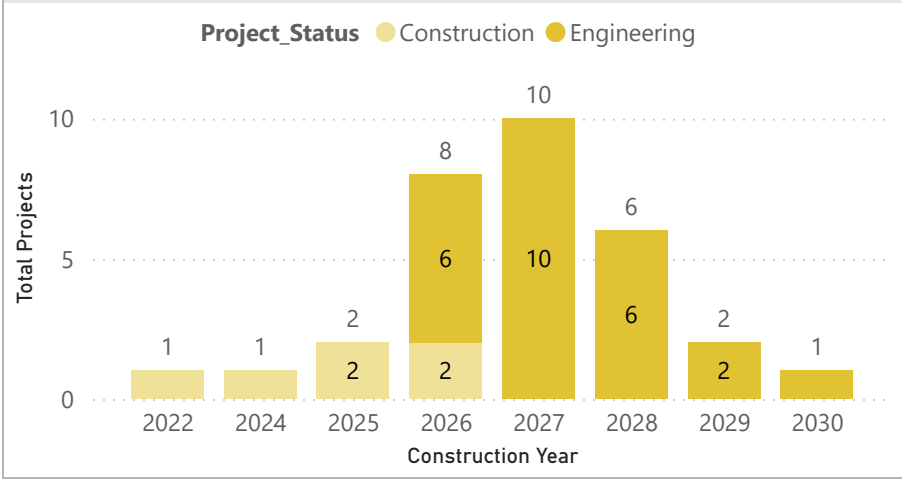
Map



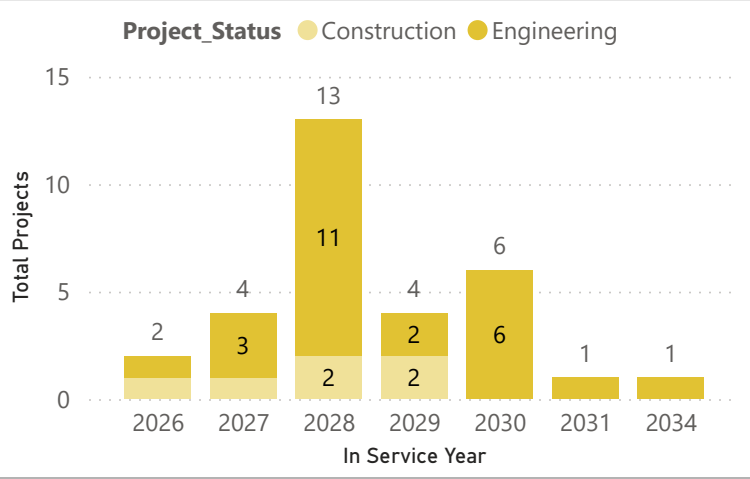
CPUC Status Overview



Construction Start By Year



In-Service Forecast by Year



T.0007979 - Q1557 Noosa 115 T-L DNU

Project Details

County	Calaveras
Year of BC Approval	2025
CAISO Year	2021
CPUC Filling Type	NOC: AL 7787-E (5799800) NOC: AL 7924-E (5799798) NOC (5799799)
CPUC Status	Approved Filed & Under Review TBD
CPUC Status Year	2026
Total Actuals to Date	\$ 9,205
Current Projected Cost	\$ 85,003
In Service Date	2/4/2028
Project Status	Construction
Original In-Service Date	1/10/2025
Reason for Change in ISD	Prioritization

Project Description

- The project scope of work includes the following:
- Reconductor 2.43 miles of the Ripon-Manteca 115kV Line between Manteca Substation and structure Ripon-Manteca 051/323B
 - Reconductor 2.43 circuit miles on the Stanislaus-Manteca #2 115kV Line between Manteca Substation and structure Ripon-Manteca 051/323A
 - Reconductor 12.67 miles of the Stanislaus-Melones Sw Sta Manteca #1 115kV Line between structures Stanislaus-Melones Sw Sta-Manteca #1 030/195 and 043/277
 - Reconductor 17 miles of the Bellota-Riverbank-Melones Sw Sta 115kV Line between structures Bellota-Riverbank-Melones Sw Sta 012/005 and 007/006 with 477

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

Project Need

The project proposes to reconductor 45 miles of 115kV Line upgrades with a higher capacity conductor and is a Local Delivery Network Upgrade (LDNU) project tied to the Q1557 electric generation interconnection project.

Project & Permitting Status Updates

Construction Start: 04/15/26
CPUC Date Filed:
12/17/25 | 6/5/26 |
Expected 2026 Q2

NOC: AL 7787-E: Bellota-Riverbank-Melones (Construction Start 4/15/26)
NOC: Stanislaus-Melones (Construction Start 1/6/28)
NOC: Ripon-Manteca (Construction Start 9/1/26)

Actual 2026	ITD	Projected 2026	2027	2028	2029	2030	2031	2032	EAC
\$1,761 2%	\$9,205	\$30,249 36%	\$33,360 39%	\$12,188 14%	\$0 0%	\$0 0%	\$0 0%	\$0 0%	\$85,003

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
Q1557 NOOSA BLLT-RVRBK-MLNS 115 T-L DNU	WRO	Generation Interconnection	115	NA	5799800	82	12/18/2026	\$ 5,252	\$ 21,221
Q1557 NOOSA RPN-MNTC 115 T-L DNU	WRO	Generation Interconnection	115	NA	5799798	82	6/3/2027	\$ 1,764	\$ 23,252
Q1557 NOOSA STNSL-MLNS 115 T-L DNU	WRO	Generation Interconnection	115	NA	5799799	82	2/4/2028	\$ 2,090	\$ 38,470
Q1557 RIPON-MANTECA 115KV DEAD END	WRO	Generation Interconnection	NA	115 kV	5812826	82	4/27/2027	\$ 79	\$ 1,590
STANISLAUS-MANTECA CORRIDOR #1 COND RPL	WRO	Replace Conductor	115	NA	5784381	93	9/30/2026	\$ 20	\$ 470



*Note: All dollar figures represented in the 000s

T.0011036 - IGNACIO - MARE ISLAND TWR REPL PHASE 5

Project Details

County	Napa
Year of BC Approval	2026
CAISO Year	NA
CPUC Filing Type	NOC
CPUC Status	TBD
CPUC Status Year	TBD
Total Actuals to Date	\$ 1,307
Current Projected Cost	\$ 34,133
In Service Date	3/1/2027
Project Status	Engineering
Original In-Service Date	2/15/2027
Reason for Change in ISD	NA

Project Description

Replace 10 lattice steel structures, remove 1 lattice steel pole, and reconductor 1.2 miles of Ignacio-Mare Island 115 kV line.

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

Project Need

The replacement of 10 lattice steel towers (015/108, 015/110, 015/111, 015/112, 016/113, 016/114, 016/115, 016/116, 016/117, and 016/118), removal of 1 lattice steel pole (015/109) and replacement of approximately 1.2 miles of conductor in the 2026 scope of this program (Phase 5) will address NERC non-compliances from Ignacio Substation to Highway Substation and improve the overall safety and reliability of the system due to the condition of these towers. The greatest positive effect of this program will be mitigating the risk of potential structural failure that would cause sustained, unplanned outages to Substations Skaggs, Highway, Carquinez, Jameson Canyon Pumps, and Mare Island (Solano County, CA)

Project & Permitting Status Updates

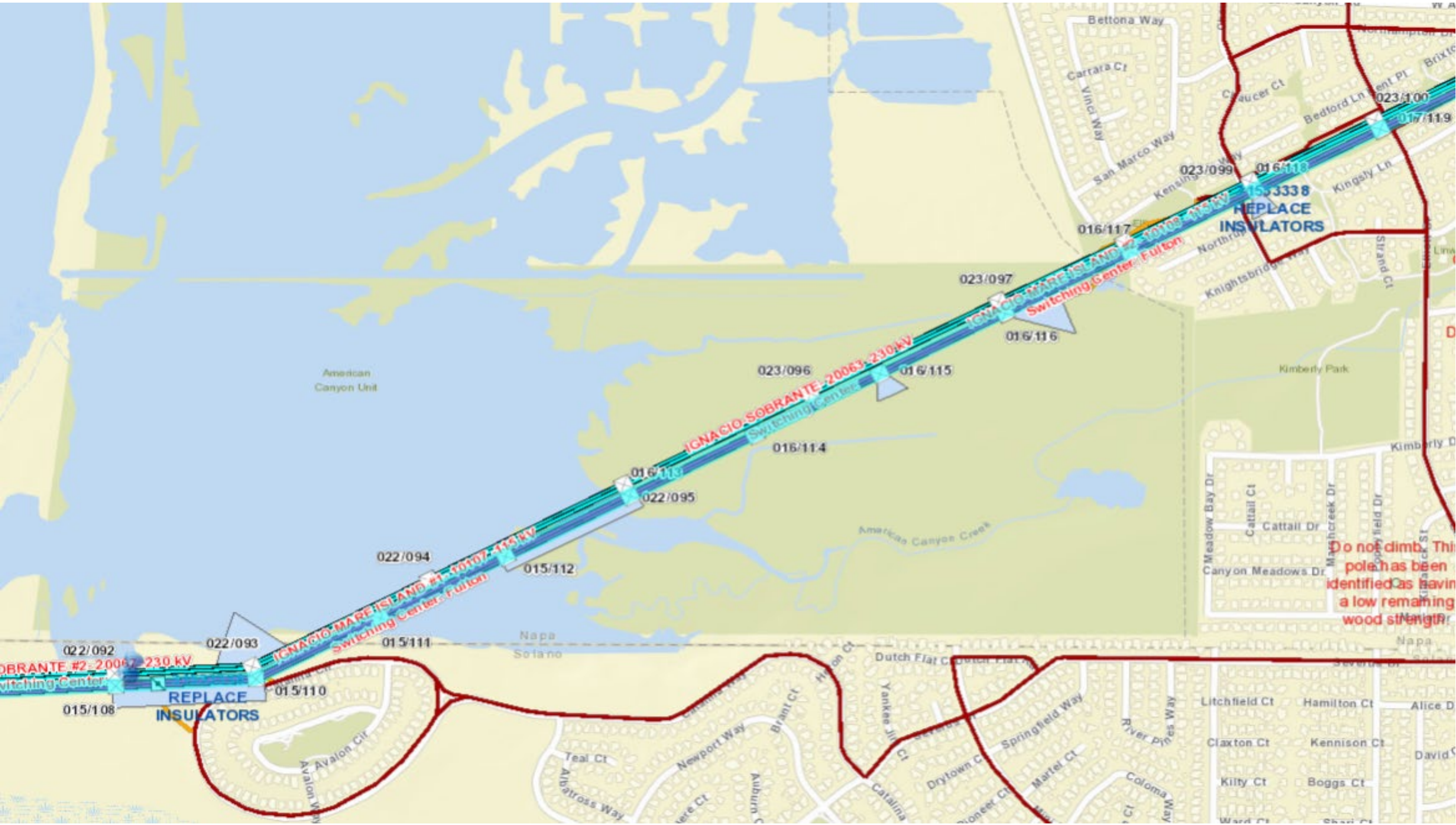
Construction Start: 12/15/26
CPUC Date Filed: Expected 2026 Q2

Formerly part of T.0007072 IGNACIO-MARE ISL 115KV
(IGN SUB/HWY SUB)

Actual		Projected									
2026	ITD	2026	2027	2028	2029	2030	2031	2032	EAC		
\$894	\$1,307	\$15,306	\$17,521	\$0	\$0	\$0	\$0	\$0	\$34,133		
3%		45%	51%	0%	0%	0%	0%	0%			

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 TWR REPL PHASE 5	Asset Condition	Replace Steel Poles	115	NA	5806102	70	3/1/2027	\$ 1,307	\$ 34,133	

Order Details



*Note: All dollar figures represented in the 000s

T.0009607 - Tulucay-Napa 60kV Line Reconductoring

Project Details

County	Napa	
Year of BC Approval	2026	
CAISO Year	2023	
CPUC Filing Type	NOC	
CPUC Status	TBD	
CPUC Status Year	TBD	
Total Actuals to Date	\$	874
Current Projected Cost	\$	4,425
In Service Date	12/14/2026	
Project Status	Engineering	
Original In-Service Date	12/31/2028	
Reason for Change in ISD	NA	

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: 10/14/26
CPUC Date Filed: Expected 2026 Q3

Actual 2026	ITD	Projected 2026	2027	2028	2029	2030	2031	2032	EAC
\$177	\$874	\$3,417	\$134	\$0	\$0	\$0	\$0	\$0	\$4,425
4%		77%	3%	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
TULUCAY-NAPA 60KV LINE RECONDUCTORING	Reliability	Line Reconductoring	60	NA	5807341	60	12/14/2026	\$ 874	\$ 4,425



*Note: All dollar figures represented in the 000s

T.0009652 - L04 AWS SFO071 Eden Landing Load Interco

Project Details

County	Alameda
Year of BC Approval	2025
CAISO Year	NA
CPUC Filing Type	NOC
CPUC Status	TBD
CPUC Status Year	TBD
Total Actuals to Date	\$ 2,820
Current Projected Cost	\$ (18,176)
In Service Date	5/29/2028
Project Status	Engineering
Original In-Service Date	11/19/2027
Reason for Change in ISD	NA

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

The Interconnection Customer (IC), has submitted an application to Pacific Gas and Electric Company (PG&E) to interconnect a manufacturing load to PG&E's Transmission system. The Project has an initial demand of 15 MW and reach 75 MW in Q1 2030.

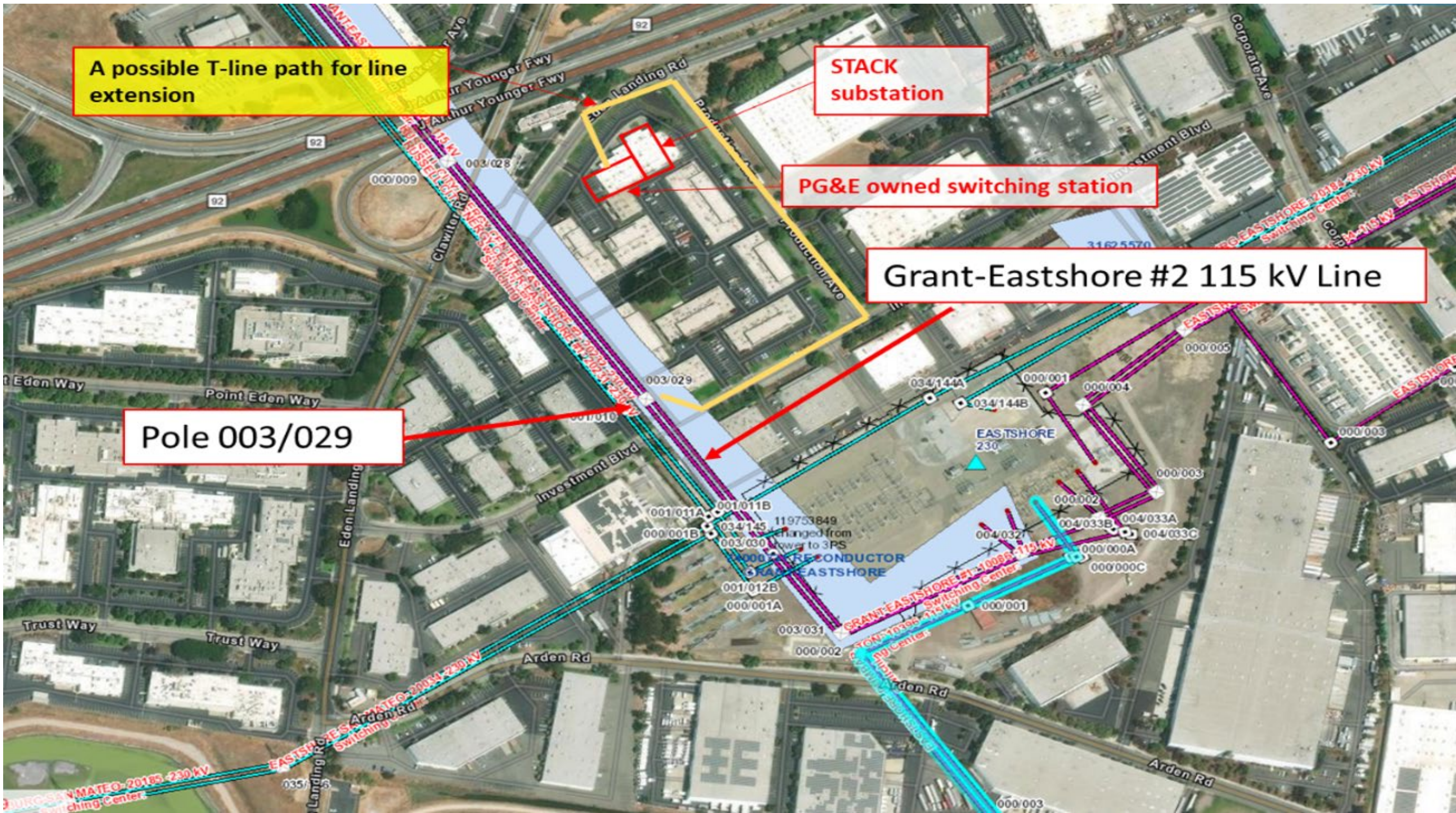
Project & Permitting Status Updates

Construction Start: 12/10/26
CPUC Date Filed: Expected 2026 Q3

Actual		Projected								
2026	ITD	2026	2027	2028	2029	2030	2031	2032	EAC	
\$664	\$2,820	\$2,432	-\$10,895	-\$12,562	\$31	\$0	\$0	\$0	-\$18,176	
-4%		-13%	60%	69%	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
EDEN LANDING DIRECT ASSIGNMENT	WRO	Load Interconnection	NA	115 kV	5554926	82	2/17/2028	\$ 176	\$ 285
EDEN LANDING PG&E SW STA	WRO	Load Interconnection	NA	115 kV	5807505	82	2/16/2028	\$ 554	\$ (26,348)
L04 AWS SFO071: 115kV Trans Svc Line	WRO	Load Interconnection	115	NA	5813950	82	2/17/2028	\$ 20	\$ 932
L04 AWS SFO071: 115KV TRANSMISSION LOOP	WRO	Load Interconnection	115	NA	5807592	82	5/29/2028	\$ 1,030	\$ 3,942
L04 AWS SFO071: CUSTOMER SUB	WRO	Load Interconnection	NA	115 kV	5813950	82	5/14/2027	\$ 50	\$ 78
L04 AWS SFO071: EASTSHORE REMOTE END	WRO	Load Interconnection	NA	115 kV	5554924	82	2/16/2028	\$ 513	\$ 1,444
L04 AWS SFO071: GRANT REMOTE END	WRO	Load Interconnection	NA	115 kV	5554925	82	2/16/2028	\$ 478	\$ 1,490



*Note: All dollar figures represented in the 000s

T.0004271 - Morgan Hill-Watsonville 115kV Area Reinf

Project Details

County	Santa Cruz
Year of BC Approval	2019
CAISO Year	2014
CPUC Filing Type	NOC
CPUC Status	TBD
CPUC Status Year	TBD
Total Actuals to Date	\$ 14,703
Current Projected Cost	\$ 149,007
In Service Date	12/29/2028
Project Status	Engineering
Original In-Service Date	12/1/2021
Reason for Change in ISD	Prioritization

Project Description

Reconductor a portion of the Metcalf – Green Valley 115 kV Line and re-terminate it into the 115 kV bus at Morgan Hill Substation, creating the Morgan Hill-Green Valley 115 kV Line. Convert the Morgan Hill 115 kV bus to a breaker-and-a-half (BAAH) configuration to improve reliability and operational flexibility.

Entity Initiating Project: CAISO
Distribution Components: Underbuild

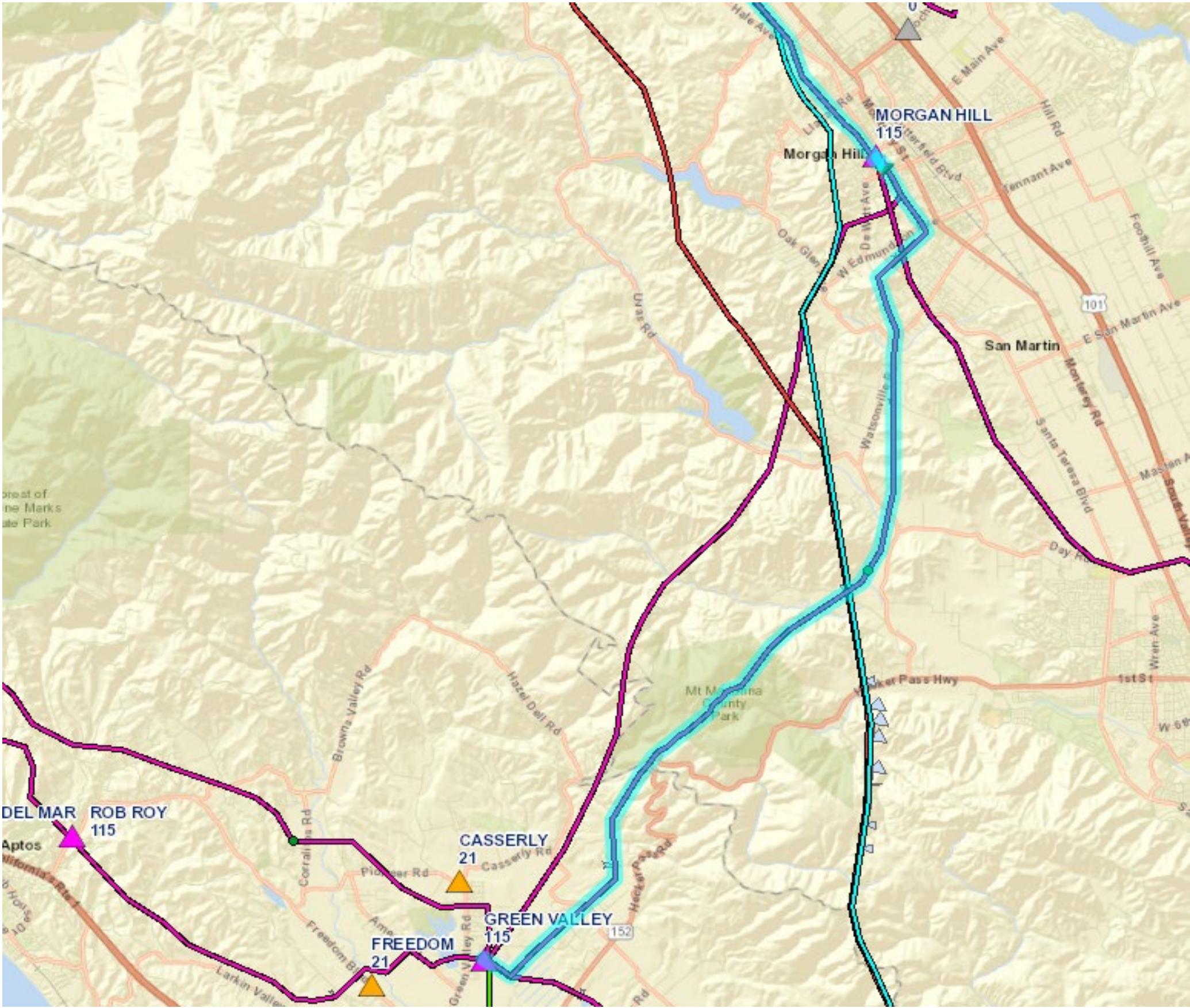
Project Need

Improve electric transmission system reliability and operational flexibility in both the Morgan Hill – Gilroy and Santa Cruz – Watsonville areas by upgrading existing transmission facilities. This project will mitigate these system problems and resolve the customer outage issues and reduce the reliance on local gas-fired generation in the Morgan Hill – Gilroy area

Project & Permitting Status Updates

Construction Start: 03/01/27
CPUC Date Filed: Expected 2026 Q3

	Actual		Projected							
	2026	ITD	2026	2027	2028	2029	2030	2031	2032	EAC
	\$1,340	\$14,703	\$12,903	\$105,200	\$15,594	\$605	\$0	\$0	\$0	\$149,007
	1%		9%	71%	10%	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	
GREEN VALLEY SUB: 115KV PROTECTION MODS	Reliability	Substation Reliability	NA	115 kV	5782114	61	5/31/2028	\$ 58	\$ 1,993	
LLAGAS SUB: 115KV PROTECTION MODS	Reliability	Substation Reliability	NA	115 kV	5786319	61	5/31/2028	\$ 81	\$ 2,109	
METCALF SUB: 115KV PROTECTION MODS	Reliability	Substation Reliability	NA	115 kV	5782115	61	5/31/2028	\$ 37	\$ 2,127	
METCALF-GREEN VALLEY 115KV: ACQUIRE EASE	Reliability	Line Reconductoring	115	NA	5531782	60	12/29/2028	\$ 118	\$ 3,674	
METCALF-GREEN VALLEY 115KV: LINE RECONDU	Reliability	Line Reconductoring	115	NA	5782106	60	5/31/2028	\$ 7,197	\$ 62,901	
MORGAN HILL IT	Reliability	T-Line Capacity	115	NA	5810958	60	12/29/2028	\$ 19	\$ 988	
MORGAN HILL SUB: 115KV BAAH CONVERSION	Reliability	Bus Upgrade	NA	115 kV	5782117	61	5/31/2028	\$ 7,186	\$ 75,209	



*Note: All dollar figures represented in the 000s



T.0010604 - Jefferson-Stanford Cable Replacement

Project Details

County	San Mateo	
Year of BC Approval	2026	
CAISO Year	2025	
CPUC Filing Type	NOC	
CPUC Status	TBD	
CPUC Status Year	TBD	
Total Actuals to Date	\$	533
Current Projected Cost	\$	37,000
In Service Date	2/29/2028	
Project Status	Engineering	
Original In-Service Date	5/1/2029	
Reason for Change in ISD	NA	

Project Description

Install temporary overhead shoo-fly transmission line to bypass existing underground cable section between Menlo Substation and SLAC 60 kV Tap for continuous electric customer service. Replace 0.9 mile of existing 800 kcmil AL underground cable with larger size cable of at least 1000 Amp. normal capacity

Entity Initiating Project: CAISO
Distribution Components: NA

Project Need

Based on the 2023 Ampacity study, it was determined that the underground section between Menlo Substation and 008/158 is the limiting element in the system and may prohibit PG&E on supplying reliable power to SLAC during the switch from the normal 230kV source (Monta Vista-Jefferson #1) to an alternate (60kV) source.

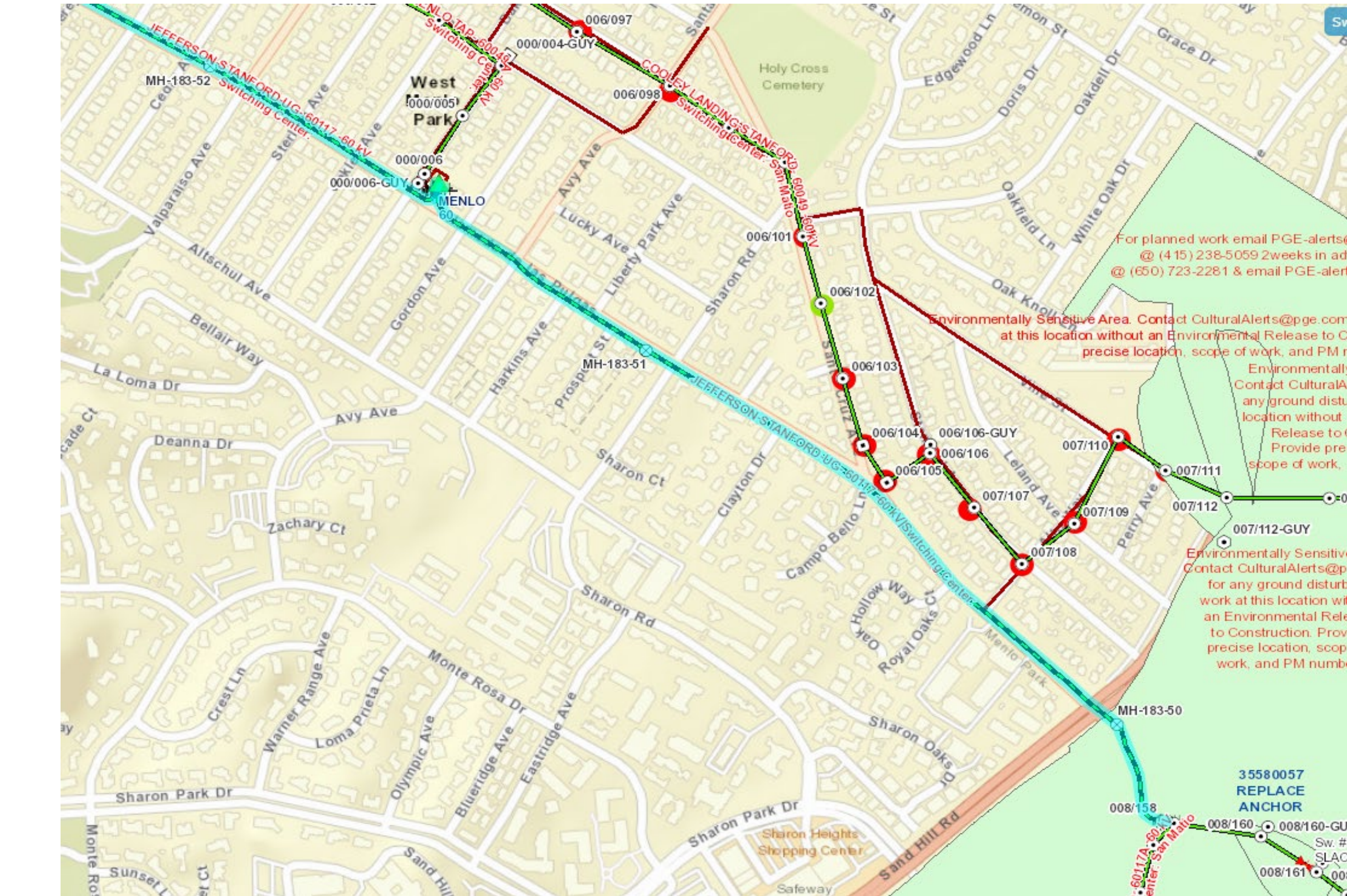
To mitigate overloads on the Jefferson-Stanford 60kV line, it is recommended to replace 0.9 miles of 800kcmil Al conductor between Menlo Substation and structure 008/158 with the higher ampacity pipe-type cable.

Project & Permitting Status Updates

Construction Start: 03/01/27
CPUC Date Filed: Expected 2026 Q3

Actual		Projected								
2026	ITD	2026	2027	2028	2029	2030	2031	2032	EAC	
\$398	\$533	\$1,809	\$34,112	\$546	\$0	\$0	\$0	\$0	\$37,000	
1%		5%	92%	1%	0%	0%	0%	0%		

Project Name	Primary Purpose	Secondary Purpose	Transmission Voltage Level	Substation Voltage Level	Planning Order	MWC	In Service Date	Inception to Date	Estimated at Completion
JEFFERSON-STANFORD CABLE REPLACEMENT	Reliability	Line Reconductoring	60	NA	5811838	60	2/29/2028	\$ 512	\$ 36,724
MENLO: JEFFERSON-STANFORD UG CABLE RPLC	Reliability	Line Termination	NA	60 kV	5564267	61	2/29/2028	\$ 21	\$ 276



*Note: All dollar figures represented in the 000s

T.0008334 - Jefferson-Stanford 60kV Rep Pole 06/157

Project Details

County	San Mateo	
Year of BC Approval	2026	
CAISO Year	NA	
CPUC Filing Type	NOC	
CPUC Status	TBD	
CPUC Status Year	TBD	
Total Actuals to Date	\$	1,488
Current Projected Cost	\$	7,310
In Service Date	6/17/2027	
Project Status	Engineering	
Original In-Service Date	12/13/2027	
Reason for Change in ISD	NA	

Project Description

This project proposes to replace wood Pole 006/157 on the Jefferson-Stanford 60kV line that is severely deteriorating due to underbuild tension.

Entity Initiating Project: PG&E
Distribution Components: NA

Project Need

This project is needed now to meet PG&E's standard requirement to maintain assets. Maintaining aging assets is not viable. And there is a significant risk of failure on this 60kV transmission line, which could potentially impact electric service and presents a safety hazard to local customers in Menlo Park.

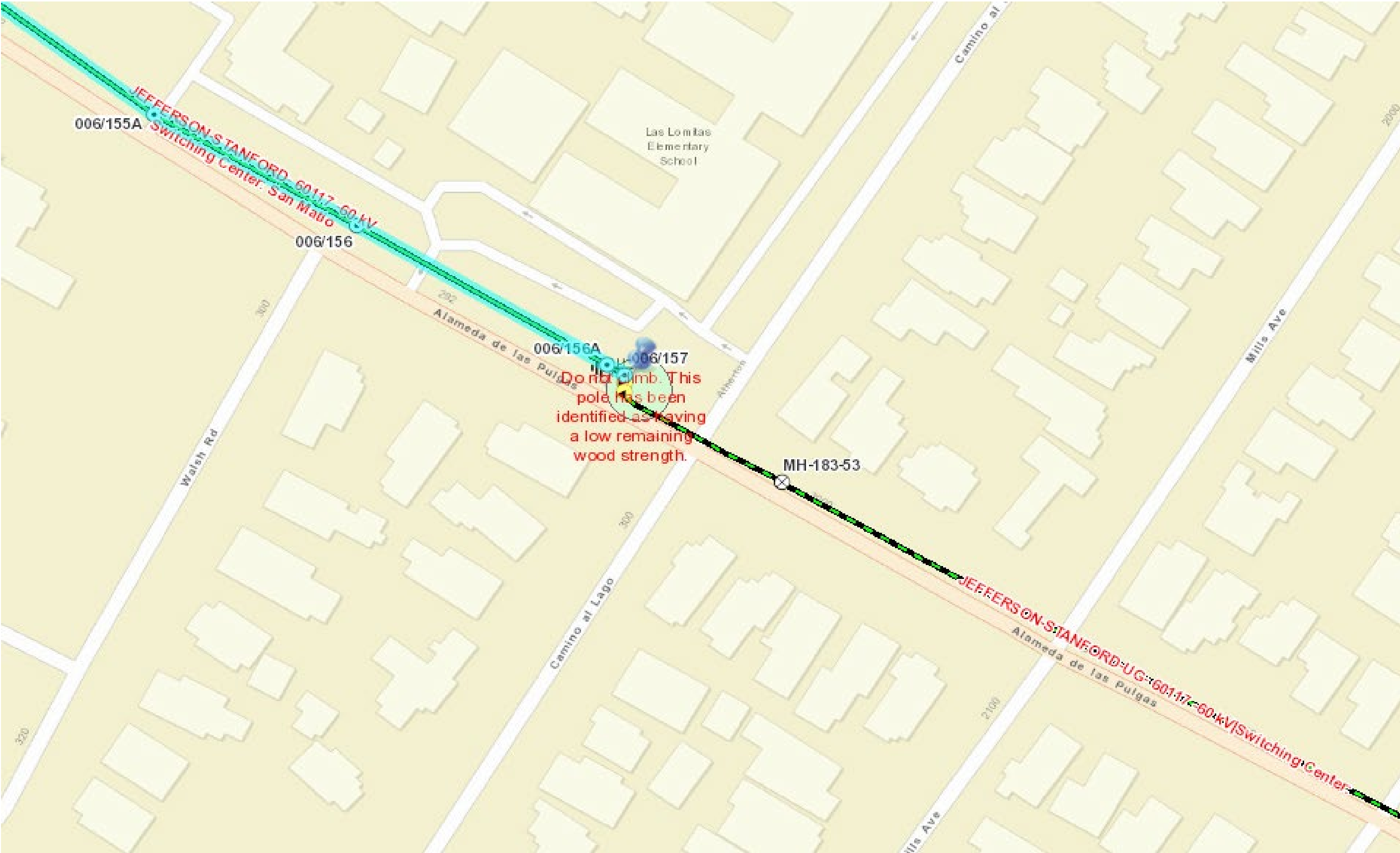
Project & Permitting Status Updates

Construction Start: 05/10/27
CPUC Date Filed: Expected 2026 Q3

Actual		Projected								
2026	ITD	2026	2027	2028	2029	2030	2031	2032	EAC	
\$969	\$1,488	\$703	\$4,896	\$222	\$0	\$0	\$0	\$0	\$7,310	
13%		10%	67%	3%	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	
JEFFERSON-STANFORD 60KV REP POLE 06_157	Asset Condition	Replace Wood Poles	60	NA	5801179	70	6/17/2027	\$ 1,488	\$ 7,310	



*Note: All dollar figures represented in the 000s

T.0008740 - Tulucay-Napa No. 2 60kV Pole Relo

Project Details

County	Napa	
Year of BC Approval	2014	
CAISO Year	NA	
CPUC Filing Type	NOC	
CPUC Status	TBD	
CPUC Status Year	TBD	
Total Actuals to Date	\$	311
Current Projected Cost	\$	778
In Service Date	5/26/2028	
Project Status	Engineering	
Original In-Service Date	12/15/2024	
Reason for Change in ISD	Customer Action	

Actual		Projected									
2026	ITD	2026	2027	2028	2029	2030	2031	2032	EAC		
\$10	\$311	\$15	\$452	\$0	\$0	\$0	\$0	\$0	\$778		
1%		2%	58%	0%	0%	0%	0%	0%			

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 NO. 2 60KV POLE RELO	WRO	Facility Relocation	60	NA	5551181	82	5/26/2028	\$	311	\$ 778

Order Details

Project Description

This project scope is to relocate poles 003/001 and 003/002 on the Tulucay-Napa No. 2 60kV line.

Entity Initiating Project: Third Party
Distribution Components: NA

Project Need

Caltrans is proposing to widen the Tulucay Creek Bridge along Highway 121 just north of the Socscal Ave and Kansas Ave intersection in Napa, CA. Poles 003/001 and 003/002 of the Tulucay-Napa No. 2 60kV line conflict with the proposed project and is being proposed to be relocated to avoid the bridge widening.

Project & Permitting Status Updates

Construction Start: 05/15/28
CPUC Date Filed: Expected 2026 Q3



*Note: All dollar figures represented in the 000s

T.0000156 - Wheeler Ridge Junction Substation

Project Details

County	Kern
Year of BC Approval	2015
CAISO Year	2014
CPUC Filing Type	PTC
CPUC Status	TBD
CPUC Status Year	TBD
Total Actuals to Date	\$ 26,383
Current Projected Cost	\$ 430,041
In Service Date	5/1/2034
Project Status	Engineering
Original In-Service Date	5/1/2020
Reason for Change in ISD	ISO Action

Project Description

Competitive Scope (230 kV):
Construct 230 kV portion of Casa Loma Substation, including two new 230/115 kV transformers and three 230 kV line terminations.

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. 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

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.

Project & Permitting Status Updates

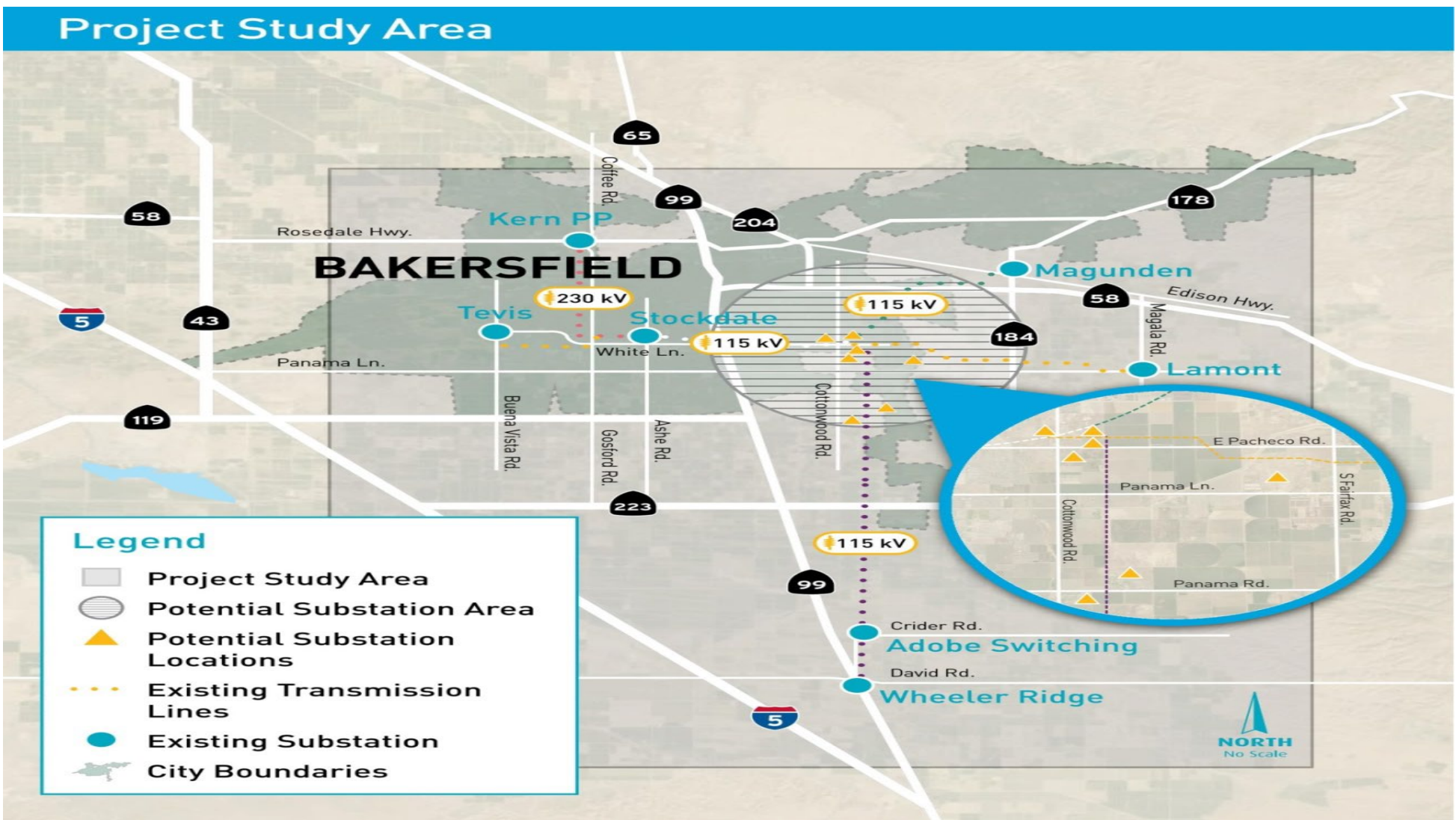
Construction Start: 03/07/30
CPUC Date Filed: Expected 2026 Q3

Pre-filing occurred in September 2025

Actual		Projected								
2026	ITD	2026	2027	2028	2029	2030	2031	2032	EAC	
\$1,311	\$26,383	\$2,973	\$5,920	\$43,810	\$22,475	\$66,823	\$117,205	\$79,605	\$430,041	
0%		1%	1%	10%	5%	16%	27%	19%		

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
ADOBE 115KV STATION - LINE & RELAY UPGRA	Reliability	Substation Capacity	NA	115 kV	5771736	61	5/1/2034	\$ 8	\$ 503
CASA LOMA JCT SUBST_COMPETITIVE	Reliability	New Substation	NA	230 115 kV	5767215	61	3/30/2034	\$ 871	\$ 115,339
CASA LOMA JUNCTION SUBSTATION	Reliability	New Substation	NA	230 115 kV	5767199	61	3/13/2034	\$ 733	\$ 91,026
KERN PP 115KV SUBSTATION - RELAY UPGRADE	Reliability	Substation Capacity	NA	115 kV	5771733	61	12/27/2030	\$ 65	\$ 633
KERN PP 230KV SUBSTATION - RELAY UPGRADE	Reliability	Substation Capacity	NA	230 kV	5771738	61	3/24/2031	\$ 20	\$ 628
LAMONT 115KV SUBSTATION - RELAY UPGRADE	Reliability	Substation Capacity	NA	115 kV	5771734	61	3/31/2034	\$ 51	\$ 2,756
PURCHASE LAND FOR NEW SUB - NON-COMP	Reliability	Substation Capacity	NA	NA	5523424	61	12/20/2028	\$ -	\$ 405
PURCHASE LAND FOR NEW SUBSTATION - COMP	Reliability	Substation Capacity	NA	NA	5523423	61	12/20/2028	\$ 0	\$ 405
PURCHASE LAND FOR NEW TRANSMISSION LINE	Reliability	T-Line Capacity	NA	NA	5523422	60	5/9/2029	\$ -	\$ 1,000
RECONDUCTOR KERN PP_STOCKDALE 230KV	Reliability	New T-Line	230 115	NA	5767236	60	6/6/2031	\$ 444	\$ 17,418
RECONDUCTOR STOCKDALE_MAGUNDEN 115KV	Reliability	T-Line Capacity	115	NA	5767237	60	12/21/2033	\$ 39	\$ 117
STOCKDALE 230KV SUBSTATION - AMPACITY AN	Reliability	Substation Capacity	NA	230 kV	5771739	61	4/20/2033	\$ 1,009	\$ 45,993
VLTG UPG WR SS_WRJ CASA LOMA_115KV TO 23	Reliability	T-Line Capacity	115	NA	5767234	60	4/25/2034	\$ 386	\$ 69,669
VOLTAGE UPGRADE STOCKDALE_LAMONT 115KV	Reliability	T-Line Capacity	115	NA	5767235	60	3/24/2032	\$ 263	\$ 27,133
W R -WEEDPATCH (9/119 - WR)	Reliability	T-Line Capacity	70	NA	5773278	60	4/25/2033	\$ 28	\$ 2,994
WHEELER RIDGE 230KV STATION - NEW BAY	Reliability	Substation Capacity	NA	230 kV	5771737	61	4/28/2034	\$ 176	\$ 9,920
WRJ COMPETITIVE_CPUC LIC/PER	Reliability	Substation Capacity	NA	230 115 kV	5767232	61	4/27/2034	\$ 4,030	\$ 9,475



*Note: All dollar figures represented in the 000s



T.0000070 - BRIGHTON-GRAND ISLAND #1 & #2 115KV NERC

Project Details

County	Sacramento
Year of BC Approval	2021
CAISO Year	NA
CPUC Filing Type	NOC
CPUC Status	TBD
CPUC Status Year	TBD
Total Actuals to Date	\$ 34,571
Current Projected Cost	\$ 139,098
In Service Date	11/30/2029
Project Status	Construction
Original In-Service Date	10/31/2021
Reason for Change in ISD	Scope Change

Actual 2026	ITD	Projected 2026	2027	2028	2029	2030	2031	2032	EAC
\$1,267	\$34,571	\$14,452	\$29,705	\$26,927	\$31,597	\$1,846	\$0	\$0	\$139,098
1%		10%	21%	19%	23%	1%	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
BRIGHTON GRAND ISLAND 115KV LAND ORDER	Asset Condition	NERC Compliance - GO 95	115	NA	5800687	93	OAI	\$ 1,039	\$ 1,039
BRIGHTON-GRAND ISLAND PH2 I-5 W PILING S	Asset Condition	NERC Compliance - GO 95	115	NA	5794779	93	9/30/2026	\$ 28,837	\$ 40,378
BRIGHTON-GRAND ISLAND PH3 I-5 E DEVELOPE	Asset Condition	NERC Compliance - GO 95	115	NA	5794780	93	11/30/2029	\$ 975	\$ 70,688
BRIGHTON-GRAND ISLAND PH4 I-5 W LAST SEC	Asset Condition	NERC Compliance - GO 95	115	NA	5750422	93	11/30/2027	\$ 3,233	\$ 25,973
GRAND ISLAND SUB STEEL POLE REPLACEMENT	Asset Condition	NERC Compliance - GO 95	NA	115 kV	5800998	66	9/30/2026	\$ 487	\$ 1,018

Project Description

This project proposes to mitigate the 124 remaining California Public Utilities Commission (CPUC) General Order (GO) 95 clearance discrepancies as well as strengthen the structural integrity of both the Brighton-Grand Island 115 kV #1 and #2 lines by replacing all of the lattice steel towers from Brighton Substation to Grand Island Substation. This project will also reconductor the entire length of both circuits, replacing the existing 3/0 American Wire Guage (AWG) 7-strand Medium Hard-Drawn (MHD) copper (CU) conductor with new 715 All Aluminum Conductor (AAC).

Entity Initiating Project: PG&E
Distribution Components: Underbuild

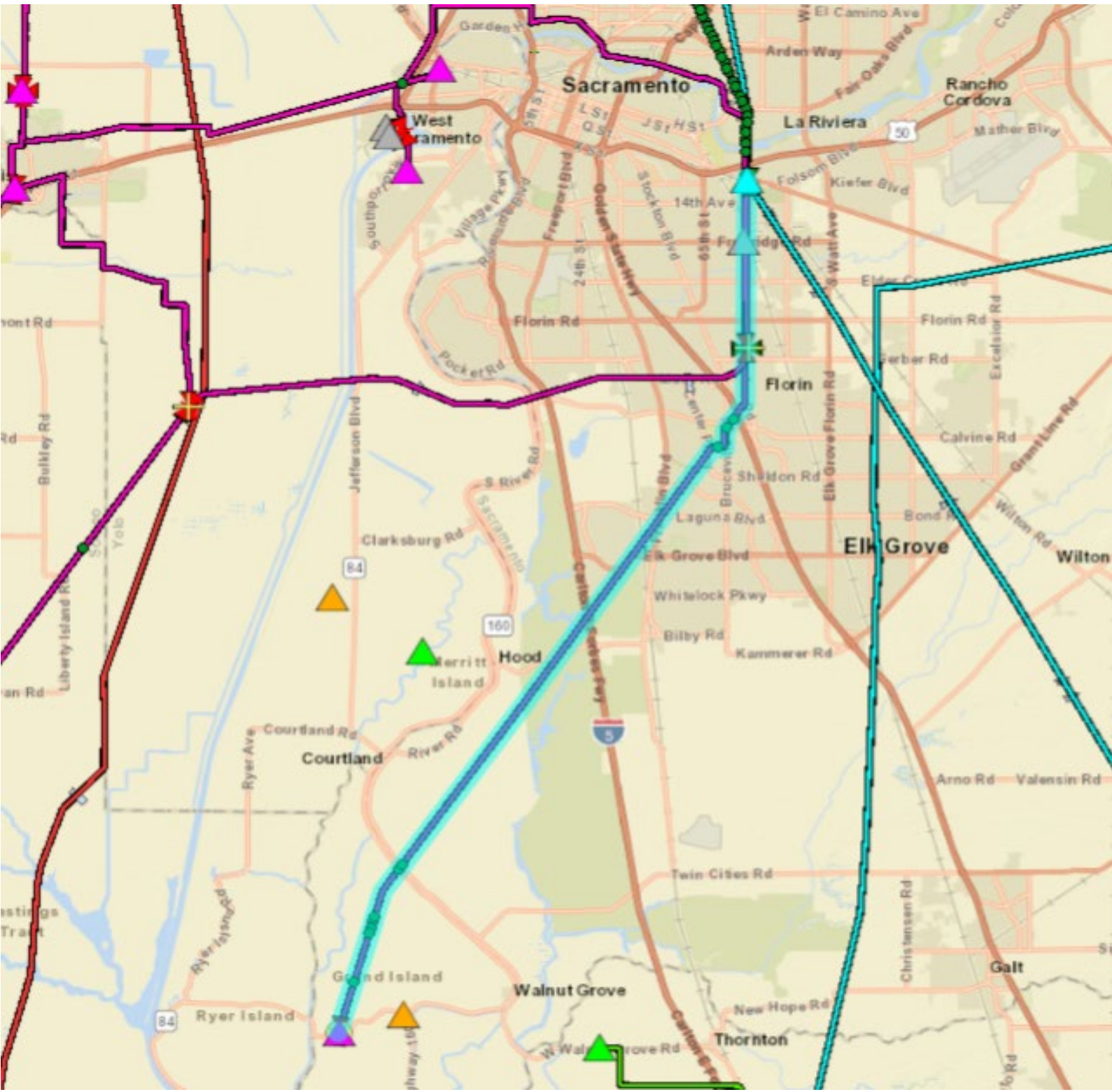
Project Need

This project will achieve compliance with CPUC GO 95 requirements and increase the structural integrity of the system to provide safe and reliable electric service to the customers in Sacramento County.

Project & Permitting Status Updates

Construction Start: 05/10/22
CPUC Date Filed: Expected 2026 Q4

- Phase 2: NOC AL 6463-E for Phase 2 (construction start August 2022)
- Phase 5: NOC AL 7270-E for Phase 5 (construction start Sept 2024)
- Phase 3: NOC TBD (Construction Start Sept 2028)
- Phase 4: NOC TBD (Construction Start Aug 2027)



*Note: All dollar figures represented in the 000s

T.0010100 - Applied Materials Argues Load Increase

Project Details

County	Santa Clara
Year of BC Approval	2025
CAISO Year	NA
CPUC Filing Type	NOC
CPUC Status	TBD
CPUC Status Year	TBD
Total Actuals to Date	\$ 4,023
Current Projected Cost	\$ 39,445
In Service Date	7/30/2027
Project Status	Construction
Original In-Service Date	7/31/2027
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) has requested PG&E to increase load. 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: 03/25/26

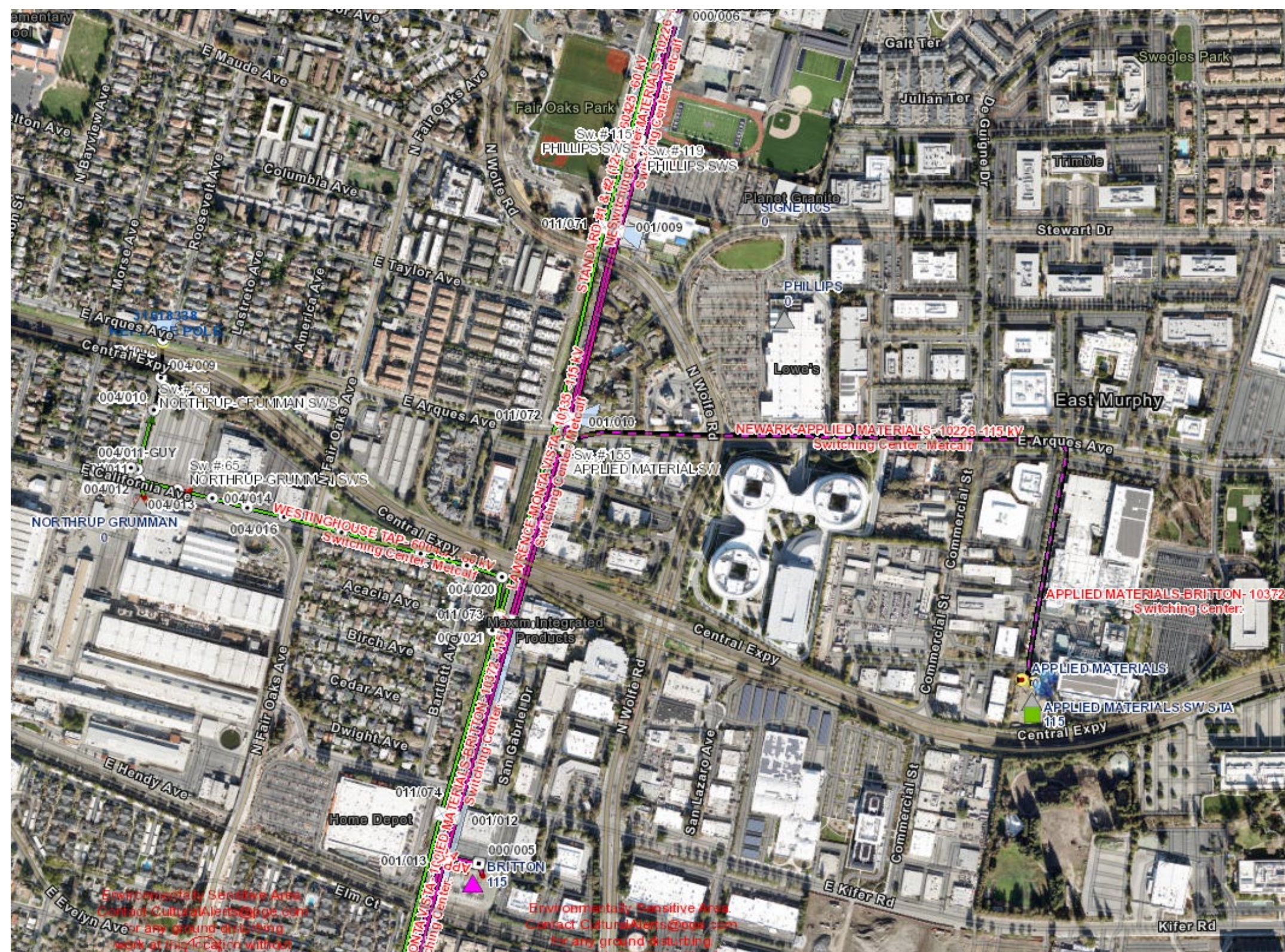
CPUC Date Filed: Expected 2026 Q4

Phase 1 (T.0010100): N/A (Construction Start 3/25/26)
Phase 2 (T.0010100): NOC for Applied Materials Expansion
(Construction Start 2/22/27)
Phase 3 (T.0010809): NOC for Reconductoring

Actual 2026	ITD	Projected 2026	2027	2028	2029	2030	2031	2032	EAC
\$948	\$4,023	\$8,323	\$25,433	\$1,665	\$0	\$0	\$0	\$0	\$39,445
2%		21%	64%	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		
L0006_APPLIED MAT LATERAL FIBER UPGRD	WRO	Load Interconnection	NA	115 kV	5815037	82	OAI	\$	35	\$	5,411
L0006_APPLIED MAT SW STA PROT PH 2	WRO	Load Interconnection	NA	115 kV	5810526	82	7/28/2027	\$	472	\$	12,394
L0006_APPLIED MATERIALS SW STA PH 1	WRO	Load Interconnection	NA	115 kV	5809176	82	4/22/2026	\$	1,726	\$	2,477
L0006_APPLIED MATERIALS SW STA Ph 1 (DA)	WRO	Load Interconnection	NA	115 kV	5814795	82	4/22/2026	\$	(305)	\$	(27)
L0006_BRITTON SUB PROTECTION UPGRADE	WRO	Load Interconnection	NA	115 kV	5810601	82	7/30/2027	\$	173	\$	1,352
L0006_FMC SUB TELECOM UPGRADES	WRO	Load Interconnection	NA	115 kV	5561948	82	7/30/2027	\$	80	\$	690
L0006_LOCKHEED #1 PROTECTION UPGRADE	WRO	Load Interconnection	NA	115 kV	5810527	82	4/12/2027	\$	209	\$	1,614
L0006_LOCKHEED #2 PROTECTION UPGRADE	WRO	Load Interconnection	NA	115 kV	5810528	82	7/30/2027	\$	1,363	\$	13,413
L0006_MONTA VISTA PROTECTION UPGRADE	WRO	Load Interconnection	NA	115 kV	5810599	82	7/28/2027	\$	40	\$	34
L0006_NEWARK SUB PROTECTION UPGRADE	WRO	Load Interconnection	NA	115 kV	5810598	82	7/30/2027	\$	164	\$	1,376
L0006_WHISMAN SUB TELECOM UPGRADES	WRO	Load Interconnection	NA	115 kV	5563280	82	7/30/2027	\$	63	\$	711



*Note: All dollar figures represented in the 000s



T.0010873 - LC24-2 Lockheed #1 Sub TLine Cust Sub

Project Details

County	Santa Clara
Year of BC Approval	2025
CAISO Year	NA
CPUC Filing Type	NOC
CPUC Status	TBD
CPUC Status Year	TBD
Total Actuals to Date	\$ 2,283
Current Projected Cost	\$ 38,125
In Service Date	6/1/2027
Project Status	Engineering
Original In-Service Date	6/1/2027
Reason for Change in ISD	Customer Action

Actual 2026	ITD	Projected 2026	2027	2028	2029	2030	2031	2032	EAC
\$1,152	\$2,283	\$9,631	\$25,901	\$610	\$0	\$0	\$0	\$0	\$38,125
3%		25%	68%	2%	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
L0017 - DIRECT ASSIGNMENT CUSTOMER SUBST	WRO	Load Interconnection	NA	115 kV	5813906	82	6/1/2027	\$ 145	\$ 914
L0017 - METERING	WRO	Load Interconnection	NA	115 kV	5561126	82	6/1/2027	\$ 59	\$ 107
L0017 - REMOTE END LOCKHEED #1 SUBSTATIO	WRO	Load Interconnection	NA	115 kV	5813904	82	6/1/2027	\$ 811	\$ 4,713
LC24-2 MENLO T LINE UG	WRO	Load Interconnection	115	NA	5813905	82	6/1/2027	\$ 1,268	\$ 32,390

Project Description

Interconnect a data center to PG&E's Lockheed #1 substation. Install One (1) 115kV Circuit Breaker, associated switches and bus structures. Install approximately 1 mile long single service 115kV T-line (single circuit combination underground & overhead) to customer site from Lockheed #1.

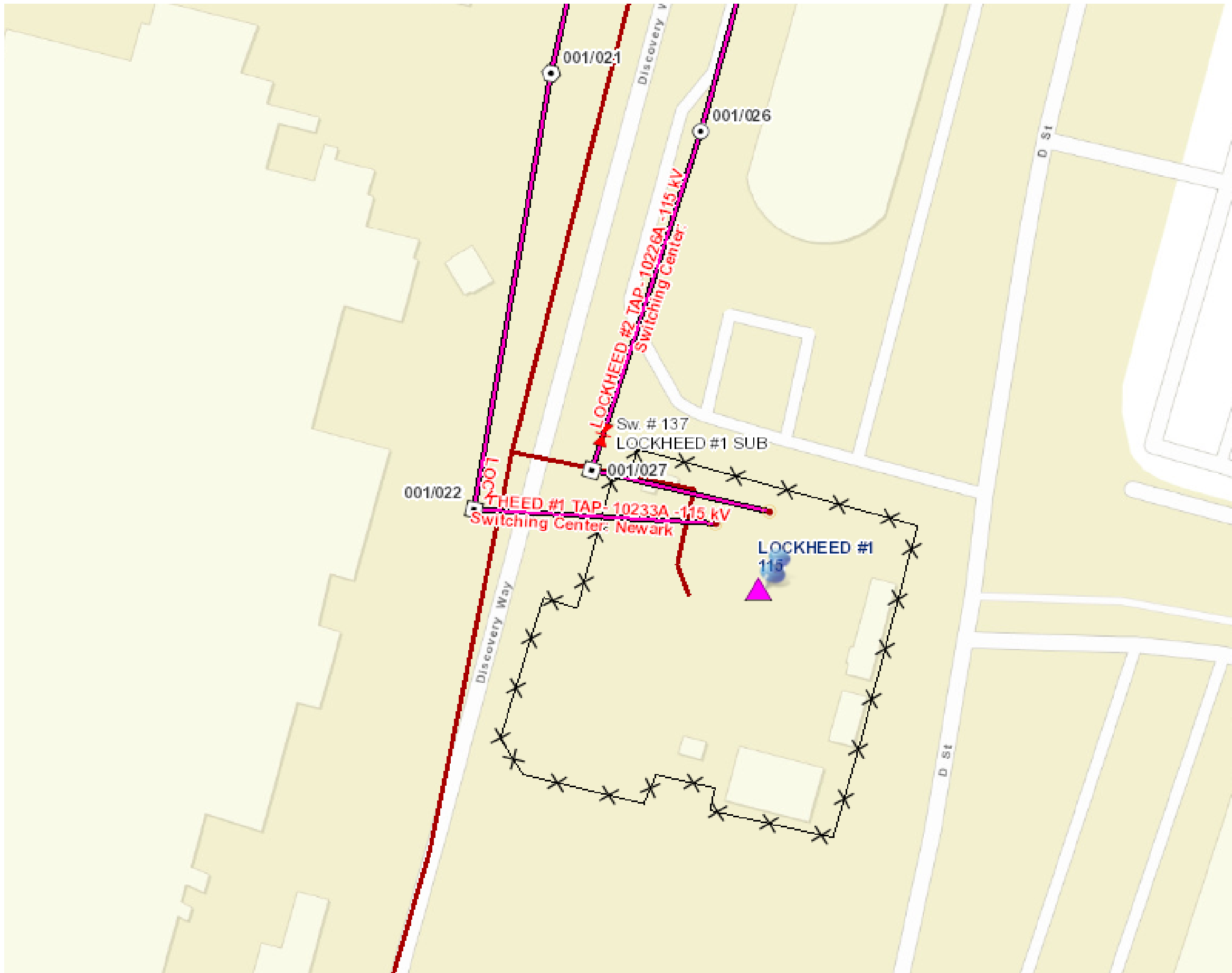
Entity Initiating Project: Third Party
Distribution Components: NA

Project Need

The Interconnection Customer ("IC"), has signed Preliminary Engineering Study (PES) with Pacific Gas and Electric Company (PG&E) for LC24-2 ("Project") to interconnect a data center load PG&E's Transmission system.

Project & Permitting Status Updates

Construction Start: 10/01/26
CPUC Date Filed: Expected 2026 Q4



*Note: All dollar figures represented in the 000s



T.0009603 - Garberville 60kV Area Reinforcement

Project Details

County	Humboldt
Year of BC Approval	TBD
CAISO Year	2023
CPUC Filing Type	NOC
CPUC Status	TBD
CPUC Status Year	TBD
Total Actuals to Date	\$1,009
Current Projected Cost	\$66,439
In Service Date	10/31/2030
Project Status	Engineering
Original In-Service Date	12/31/2032
Reason for Change in ISD	NA

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 has been proposed by Transmission Planning which through their analysis is needed due to the rapid growth of agricultural loads being experienced in Humboldt County, with high concentrations in the Garberville area. Garberville Substation receives its power from both the Humboldt and Mendocino sources through the Bridgeville-Garberville and Garberville-Laytonville 60kV lines. Per Transmission Planning, the existing local Garberville area demand including Garberville, Fort Seward, and Fruitland substations is 15.9MW. Projected distribution customer driven load is set to increase the total load to 14.1MW by 2032 and could bring the maximum load for the area to 30MW.

Project & Permitting Status Updates

Construction Start: 06/08/27
CPUC Date Filed: Expected 2026 Q4

Actual		Projected								
2026	ITD	2026	2027	2028	2029	2030	2031	2032	EAC	
\$166	\$1,009	\$868	\$5,230	\$13,747	\$19,158	\$20,965	\$3,413	\$1,426	\$66,439	
0%		1%	8%	21%	29%	32%	5%	2%		

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	10/31/2030	\$1,009	\$66,439

Order Details



*Note: All dollar figures represented in the 000s

T.0002707 - Kern - Kern Oil 115 kV Line Reconductori

Project Details

County	Kern
Year of BC Approval	TBD
CAISO Year	2012
CPUC Filing Type	NOC
CPUC Status	TBD
CPUC Status Year	TBD
Total Actuals to Date	\$ 4,692
Current Projected Cost	\$ 30,373
In Service Date	9/19/2030
Project Status	Engineering
Original In-Service Date	3/1/2016
Reason for Change in ISD	Prioritization

Project Description

The Project proposes to reconductor approximately 38 circuit miles of various 115 kV lines serving Bakersfield area in Kern County. The scope of the project include reconductoring 3.8 miles of the Kern PP-Westpark Nos. 1 and 2 115 kV Lines; 16.5 miles of the Kern-Magunden-Witco 115 kV Line; 3.5 miles of the Westpark-Magunden 115 kV Line; 5.0 miles of the Kern-Lamont 115 kV Line from Kern PP to Tevis Jct.; 5.0 miles of the Kern-Stockdale 115 kV line from Kern PP to Tevis Jct.

Entity Initiating Project: CAISO
Distribution Components: N/A

Project Need

The Kern-Lamont, Kern-Stockdale, Kern-Westpark #1, Kern-Westpark #2, Kern-Magunden-Witco and Westpark-Magunden 115 kV lines make up the southern portion of the Kern PP 115 kV area. These lines are projected to experience loading between 120% and 220% for 12 or more category B and category C outages, with overloads occurring in 2012 and beyond. The Kern-Lamont 115 kV line will also experience a normal overload starting around 2018.

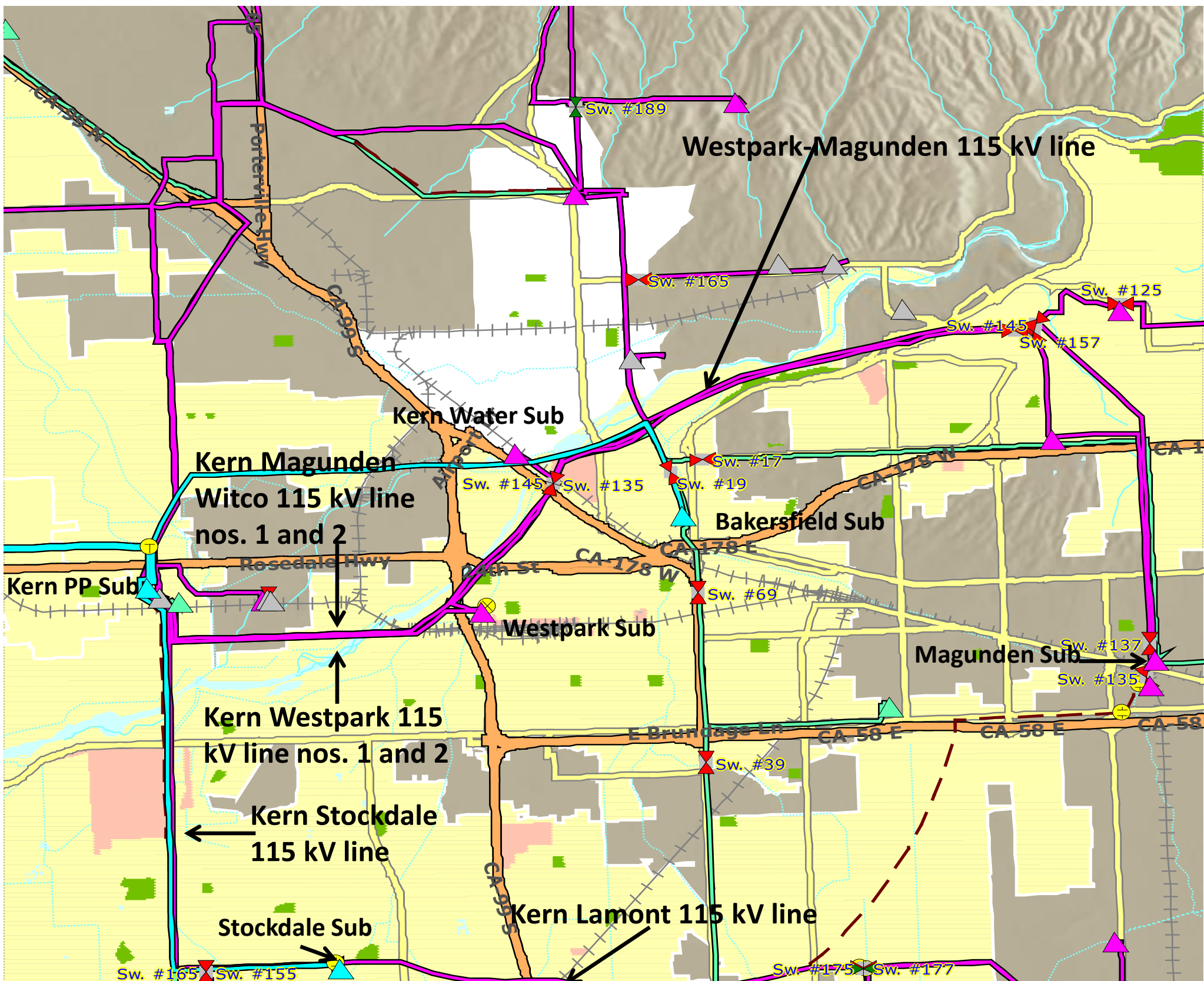
Project & Permitting Status Updates

Construction Start: 01/10/28
CPUC Date Filed: Expected 2026 Q4

Actual 2026	ITD	Projected 2026	2027	2028	2029	2030	2031	2032	EAC
\$1	\$4,692	\$0	\$10,778	\$10,073	\$4,667	\$109	\$24	\$23	\$30,373
0%		0%	35%	33%	15%	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
60-WESTPARK-MAGUNDEN RECONDUCTOR 3.5 MI	Reliability	Line Reconductoring	60	NA	5767364	60	5/24/2029	\$ 701	\$ 3,014
KERN OIL: KERN-KERN OIL 115KV UPGRADE	Reliability	Line Termination	NA	115 kV	5776126	61	4/3/2028	\$ 52	\$ 5,254
KERN PP-LIVE OAK 115KV LINE RECONDUCTOR	Reliability	Line Reconductoring	115	NA	5774039	60	8/23/2029	\$ 2,073	\$ 9,869
KERN-MAGUNDEN-WITCO 115KV RERATE	Reliability	T-Line Capacity	60	NA	5767363	60	5/24/2029	\$ 670	\$ 3,020
LERDO-KERN OIL-7TH STANDARD 115KV RERATE	Reliability	T-Line Capacity	115	NA	5784386	60	5/24/2029	\$ 13	\$ 2,327
LIVE OAK: KERN-KERN OIL 115KV UPGRADE	Reliability	Line Termination	NA	115 kV	5776125	61	4/3/2028	\$ 34	\$ 1,318
LIVE OAK-KERN OIL 115KV LINE RECONDUCTOR	Reliability	Line Reconductoring	115	NA	5774040	60	2/5/2029	\$ 1,091	\$ 4,799
MAGUNDEN CB122 UPGRADE	Reliability	Substation Capacity	NA	115 kV	5784620	61	9/19/2030	\$ 59	\$ 771



*Note: All dollar figures represented in the 000s



APPENDIX

T.0000159 - Egbert 230kV Switching Station

Project Details

County	San Mateo
Year of BC Approval	2016
CAISO Year	2015
CPUC Filing Type	CPCN: A.17-12-021
CPUC Status	Approved
CPUC Status Year	2020
Total Actuals to Date	\$ 88,634
Current Projected Cost	\$ 265,734
In Service Date	10/27/2028
Project Status	Engineering
Original In-Service Date	12/1/2021
Reason for Change in ISD	Prioritization

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

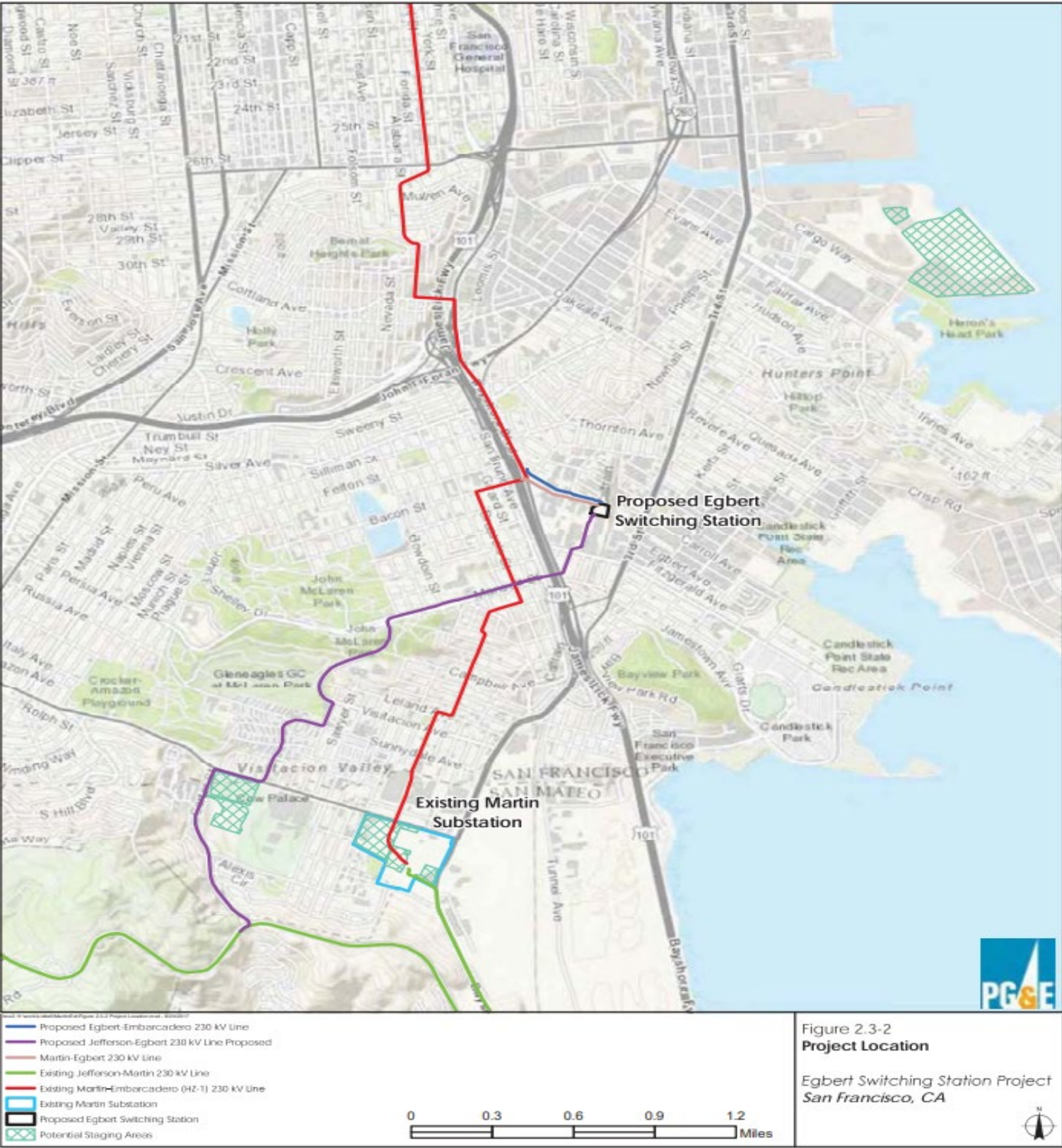
Construction Start: 06/17/27
CPUC Date Filed: 12/28/17

Notice to Proceed (NTP) request was submitted July and August 2021. NTP 1 was authorized October 2021. Construction is tentatively scheduled to restart in September 2026.

Actual 2026	ITD	Projected 2026	2027	2028	2029	2030	2031	2032	EAC
\$3,108	\$88,634	\$17,030	\$95,790	\$63,490	\$790	\$0	\$0	\$0	\$265,734
1%		6%	36%	24%	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
EGBERT GREENFIELD SUBSTATION	Reliability	Substation Capacity	NA	230 kV	5767214	61	10/4/2028	\$ 51,117	\$ 117,303
EGBERT T-LINE - VISITACION AVE EASEMENT	Reliability	T-Line Capacity	230	NA	5551310	60	11/30/2026	\$ (0)	\$ 840
LOOP EMBARCADERO & MARTIN	Reliability	T-Line Capacity	230	NA	5767213	60	10/16/2028	\$ 4,140	\$ 25,114
MARTIN BUS EXT: EMBARCADERO PROT UPGRADE	Reliability	Substation Reliability	NA	230 kV	5767647	61	10/27/2028	\$ 133	\$ 2,666
MARTIN BUS EXT: JEFFERSON PROT UPGRADES	Reliability	Substation Reliability	NA	230 kV	5767646	61	10/27/2028	\$ 102	\$ 3,158
MARTIN BUS EXT: MARTIN SUB PROT UPGRADES	Reliability	Substation Reliability	NA	230 kV	5767645	61	10/26/2028	\$ 368	\$ 3,550
MARTIN BUS EXT: SF RAS MODIFICATIONS @ C	Reliability	Substation Reliability	NA	230 kV	5767648	61	10/27/2028	\$ 37	\$ 3,300
REROUTE JEFFERSON_MARTIN 230KV LINE	Reliability	T-Line Capacity	230	NA	5767217	60	10/10/2028	\$ 32,738	\$ 109,803



*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	\$ 64,297
Current Projected Cost	\$ 66,956
In Service Date	6/29/2026
Project Status	Construction
Original In-Service Date	5/1/2014
Reason for Change in ISD	Prioritization

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.

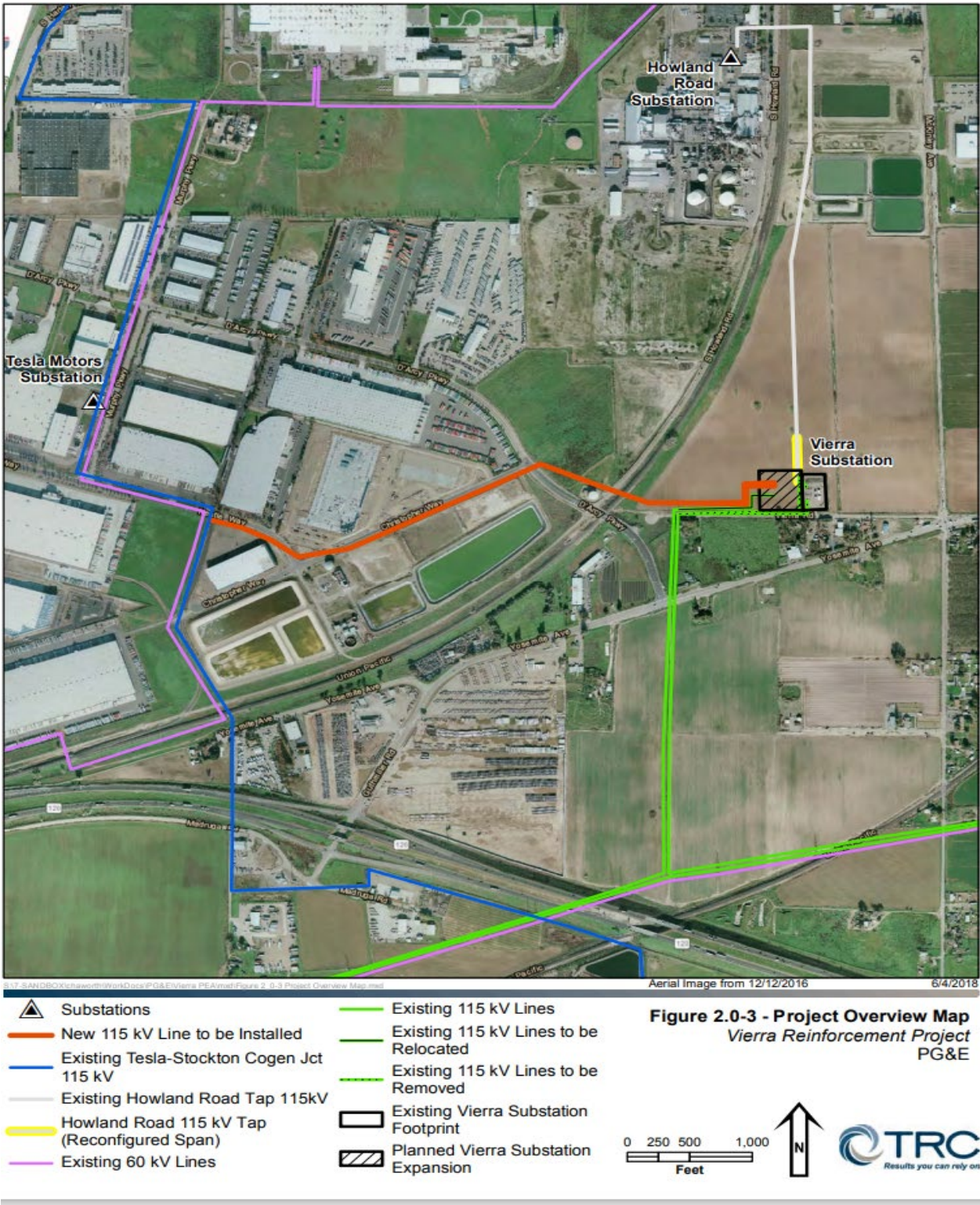
Project & Permitting Status Updates

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

Actual		Projected								
2026	ITD	2026	2027	2028	2029	2030	2031	2032	EAC	
\$3,997	\$64,297	\$2,396	\$258	\$6	\$0	\$0	\$0	\$0	\$66,956	
6%		4%	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	
HOWLAND: UPGRADE VIERRA REMOTE END	Reliability	MPAC	NA	115 kV	5777419	67	11/21/2025	\$ 3,255	\$	3,281
KASSON: UPGRADE VIERRA REMOTE END	Reliability	MPAC	NA	115 kV	5777396	67	5/7/2026	\$ 1,675	\$	1,818
MANTECA: UPGRADE VIERRA REMOTE END	Reliability	MPAC	NA	115 kV	5777418	67	3/27/2026	\$ 1,624	\$	1,663
NV_VIERRA 115 KV BAAH	Reliability	Bus Upgrade	NA	115 kV	5746745	61	5/20/2025	\$ 22,215	\$	22,339
RIPON: UPGRADE VIERRA REMOTE END	Reliability	MPAC	NA	115 kV	5777421	67	6/29/2026	\$ 312	\$	459
TESLA: UPGRADE VIERRA REMOTE END	Reliability	MPAC	NA	115 kV	5777395	67	6/29/2026	\$ 499	\$	643
TRACY: UPGRADE VIERRA REMOTE END	Reliability	MPAC	NA	115 kV	5777397	67	4/9/2026	\$ 2,260	\$	2,375
VIERRA 115 KV BAAH PHASE 2	Reliability	Bus Upgrade	NA	115 kV	5805478	61	3/27/2026	\$ 5,867	\$	7,111
VIERRA 115 KV TLINE REINFORCEMENT PH 1	Reliability	System Design Upgrade	115	NA	5746744	60	2/23/2025	\$ 12,017	\$	12,023
VIERRA 115KV TLINE RECONFIGURATION PH 2	Reliability	System Design Upgrade	115	NA	5805561	60	11/24/2025	\$ 557	\$	650
VIERRA ACQUIRE PERM LAND RIGHTS	Reliability	System Design Upgrade	NA	NA	5527666	60	2/23/2025	\$ 1,695	\$	1,825
VIERRA BAAH CONTROL BUILDING	Reliability	MPAC	NA	115 kV	5777394	67	5/20/2025	\$ 12,320	\$	12,769



*Note: All dollar figures represented in the 000s



T.0000154 - Estrella 230 kV Transmission Substation

Project Details

County	Monterey
Year of BC Approval	2015
CAISO Year	2014
CPUC Filing Type	PTC: A.17-01-023
CPUC Status	Approved
CPUC Status Year	2024
Total Actuals to Date	\$ 63,363
Current Projected Cost	\$ 174,385
In Service Date	3/29/2029
Project Status	Construction
Original In-Service Date	5/1/2019
Reason for Change in ISD	Prioritization

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 Robles substation.

Project & Permitting Status Updates

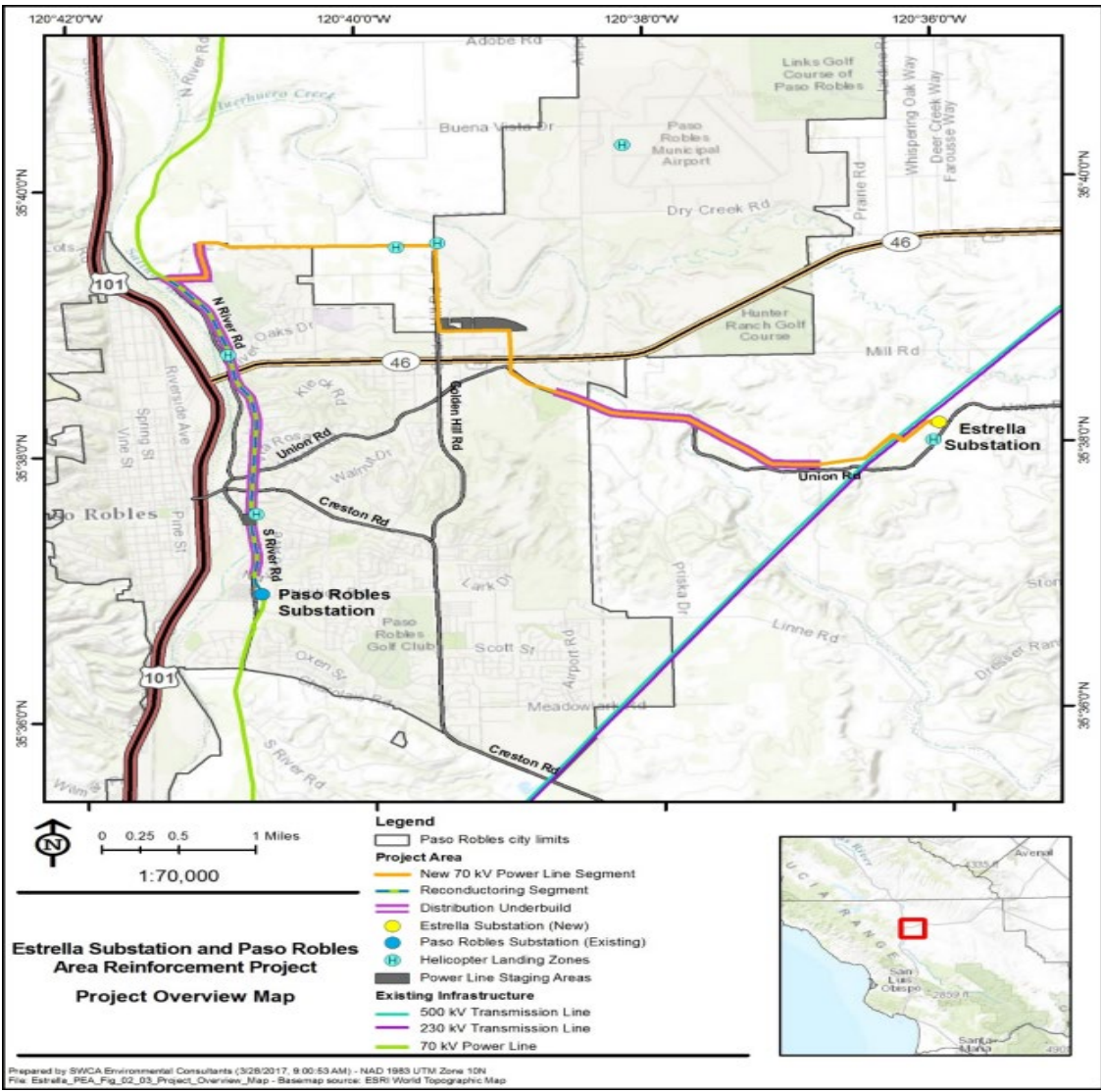
Construction Start: 11/13/25
CPUC Date Filed: 01/25/17

NTP received 7/24/25.

Actual		Projected								
2026	ITD	2026	2027	2028	2029	2030	2031	2032	EAC	
\$11,043	\$63,363	\$18,707	\$38,103	\$38,132	\$16,044	\$36	\$0	\$0	\$174,385	
6%		11%	22%	22%	9%	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	
CALIFORNIA FLATS: UPGRADE 230KV RELAY	Reliability	Substation Reliability	NA	230 kV	5771721	61	2/9/2028	\$ 54	\$ 2,099	
ESTRELLA_CPUC LIC/PER	Reliability	T-Line Capacity	230 70	NA	5767230	60	1/28/2028	\$ 1,819	\$ 2,878	
Land Purchase for 70KV Substation	Reliability	New T-Line	NA	NA	5553459	61	OAI	\$ 453	\$ 853	
MORRO BAY - CAL FLATS 230KV LINE SHOOFLY	Reliability	T-Line Capacity	230	NA	5771718	60	3/31/2027	\$ 125	\$ 1,314	
MORRO BAY: UPGRADE 230KV RELAY	Reliability	Substation Reliability	NA	230 kV	5771722	61	2/9/2028	\$ 46	\$ 1,873	
MORRO BAY-CAL FLATS 230KV INTERCONNECTIO	Reliability	New T-Line	230	NA	5767208	60	3/31/2027	\$ 1,489	\$ 7,813	
REC SAN MIGUEL-PASO ROBLES 70KV PH.2 ENG	Reliability	Line Reconductoring	70	NA	5810240	60	3/31/2027	\$ 383	\$ 3,558	
REC SAN MIGUEL-PASO ROBLES 70KV PH.2 EST	Reliability	Line Reconductoring	70	NA	5805505	60	3/31/2027	\$ 4,980	\$ 16,957	
RECOND. SAN MIGUEL-PASO ROBLES 70KV PH.1	Reliability	New T-Line	70	NA	5767231	60	3/30/2026	\$ 20,682	\$ 21,335	
ROW San Miguel-Paso Robles 70kV Ph. 2	Reliability	New T-Line	70	NA	5554010	60	OAI	\$ 293	\$ 913	
ROW UNION-SAN MIGUEL_PASO ROBLES 70KV	Reliability	New T-Line	70	NA	5554011	60	OAI	\$ 251	\$ 2,498	
TEMPLETON SUB-INSTALL REVERSE POWER RELA	Reliability	Substation Capacity	NA	230 kV	5805698	61	2/9/2028	\$ 26	\$ 1,306	
TERMINAL UPGRADES PASO ROBLES SUB	Reliability	New T-Line	NA	70 kV	5805506	61	2/8/2027	\$ 466	\$ 1,345	
UNION 70KV SUBSTATION	Reliability	New Substation	NA	70 kV	5767207	61	3/29/2029	\$ 13,848	\$ 49,030	
UNION-SAN MIGUEL_PASO ROBLES 70KV - ENG	Reliability	T-Line Capacity	70	NA	5806384	60	1/31/2029	\$ 6,335	\$ 22,230	
UNION-SAN MIGUEL_PASO ROBLES 70KV - EST	Reliability	New T-Line	70	NA	5771719	60	1/31/2029	\$ 12,111	\$ 38,383	



*Note: All dollar figures represented in the 000s

T.0009641 - Cortina #1 60 kV Line Reconductoring

Project Details

County	Colusa
Year of BC Approval	2025
CAISO Year	2024
CPUC Filing Type	NOC: AL 7836-E
CPUC Status	Approved
CPUC Status Year	2026
Total Actuals to Date	\$ 1,974
Current Projected Cost	\$ 28,903
In Service Date	3/17/2028
Project Status	Engineering
Original In-Service Date	6/1/2028
Reason for Change in ISD	NA

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.

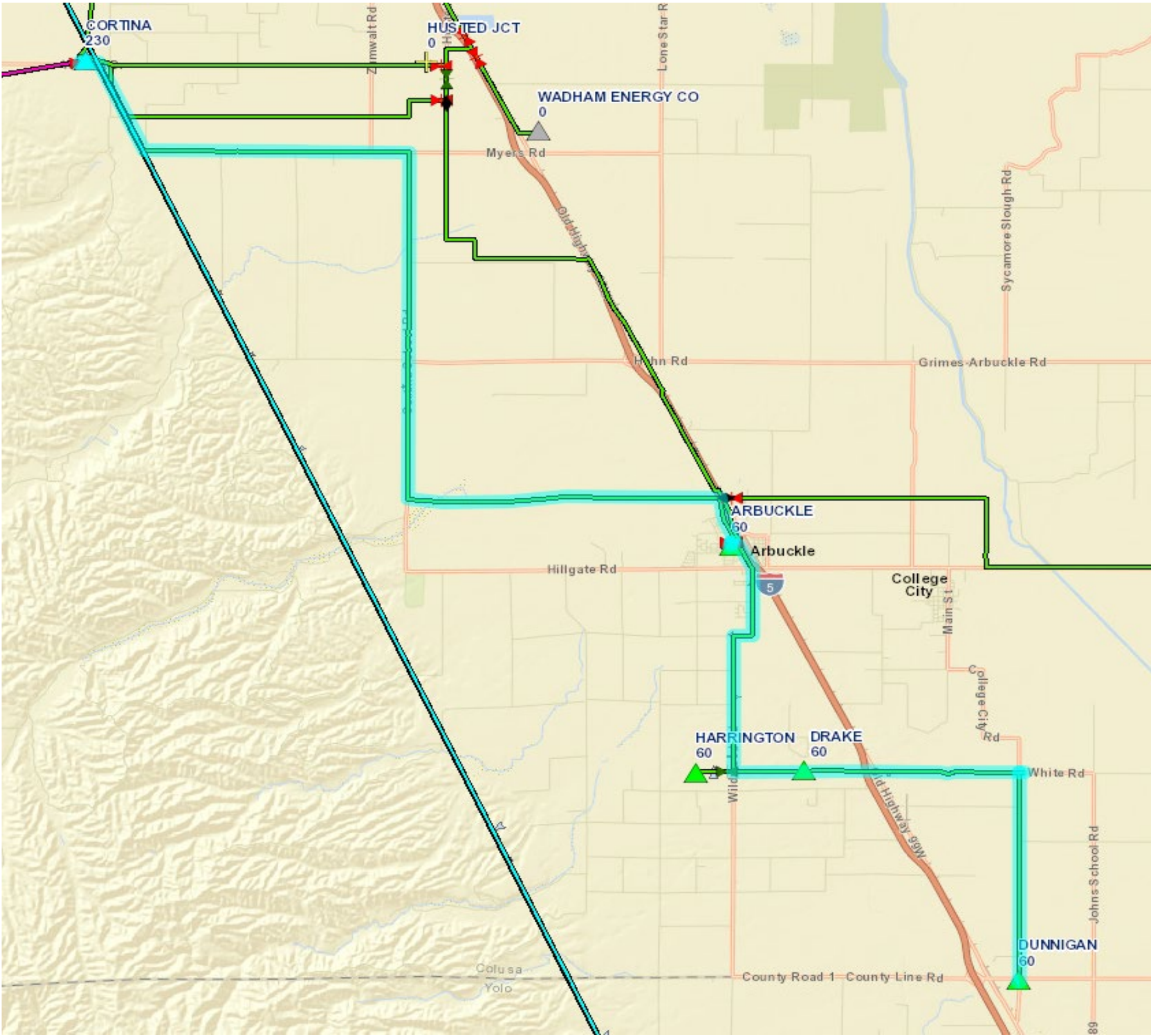
Project & Permitting Status Updates

Construction Start: 10/15/26
CPUC Date Filed: 02/11/26

Actual 2026	ITD	Projected 2026	2027	2028	2029	2030	2031	2032	EAC
\$531	\$1,974	\$10,357	\$12,693	\$3,623	\$256	\$0	\$0	\$0	\$28,903
2%		36%	44%	13%	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
CORTINA #1 RECOND CORTINA TO ARBUCKLE	Reliability	Line Reconductoring	60	NA	5807521	60	2/11/2027	\$ 1,108	\$ 13,862
CORTINA #1 SUB TERMINAL UPGRADES	Reliability	Line Termination	NA	60 kV	5811724	61	1/14/2027	\$ 205	\$ 973
CORTINA 1 RECOND ARBUCKLE TO DUNNIGAN	Reliability	Line Reconductoring	60	NA	5811325	60	3/17/2028	\$ 581	\$ 13,987



*Note: All dollar figures represented in the 000s

T.0000007 - Vaca Dixon Area Reinforcement Project (Plainfield)

Project Details

County	Yolo
Year of BC Approval	2024
CAISO Year	2011
CPUC Filling Type	NOC: AL 7542-E PTC: A.24-06-008
CPUC Status	Approved Approved
CPUC Status Year	2025 2026
Total Actuals to Date	\$ 17,025
Current Projected Cost	\$ 50,681
In Service Date	6/30/2028
Project Status	Construction
Original In-Service Date	12/1/2023
Reason for Change in ISD	Bundling Dependencies

Project Description

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: 09/26/25
CPUC Date Filed: 3/12/2025 | 6/28/2024

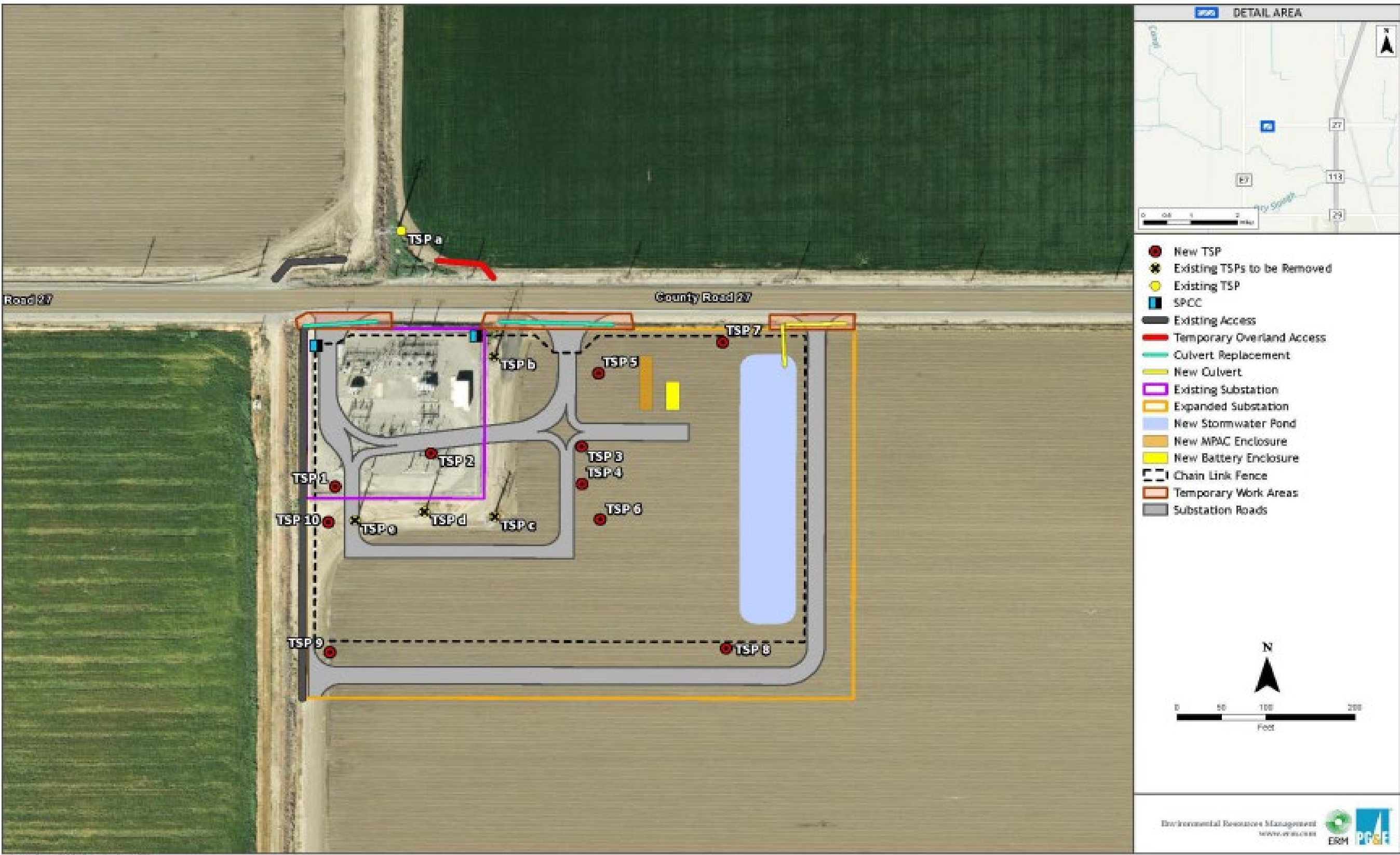
PO 5766696 (Plainfield) – PTC filed 6/28/24. Final CPUC IS/MND issued 7/8/25. PTC Approved 11/20/25. CPUC has granted the NTP on 2/10/26. PG&E has been significantly delayed in purchasing the property which is holding up construction.Team is rescheduling a clearance for July/August.

PO 5766694 (Woodland-Davis) – NOC filed 3/12/25, effective 4/18/25

Actual 2026	ITD	Projected 2026	2027	2028	2029	2030	2031	2032	EAC
\$6,274	\$17,025	\$11,778	\$15,961	\$5,149	\$768	\$0	\$0	\$0	\$50,681
12%		23%	31%	10%	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
DAVIS: 115KV LINE TERMINAL UPDATE	Reliability	Line Termination	NA	115 kV	5560573	61	11/13/2025	\$ 43	\$ 46
PLAINFIELD SUB - RELOCATE TSPS	Reliability	System Design Upgrade	60	NA	5785807	60	10/6/2027	\$ 1,179	\$ 5,901
PLAINFIELD: ACQUIRE LAND	Reliability	New Substation	NA	NA	5554308	61	6/30/2026	\$ 32	\$ 332
PLAINFIELD: INSTALL TWO CAP BANKS	Reliability	Voltage Support	NA	60 kV	5766696	61	6/30/2028	\$ 10,874	\$ 39,459
RERATE WOODLAND - DAVIS T-LINE	Reliability	Line Reconductoring	115	NA	5766694	60	11/13/2025	\$ 4,804	\$ 4,846
WOODLAND: 115KV LINE TERMINAL UPDATE	Reliability	Line Termination	NA	115 kV	5560779	61	11/13/2025	\$ 94	\$ 97



*Note: All dollar figures represented in the 000s

T.0010903 - L0015_16 Hellyer SS Large Load

Project Details

County	Santa Clara	
Year of BC Approval	2026	
CAISO Year	NA	
CPUC Filling Type	NOC: AL 7847-E (5815152) NOC (5814132)	
CPUC Status	Approved	
CPUC Status Year	2026	
Total Actuals to Date	\$	3,816
Current Projected Cost	\$	89,387
In Service Date	3/1/2030	
Project Status	Engineering	
Original In-Service Date	3/1/2030	
Reason for Change in ISD	NA	

Project Description

This project proposes to install new 115kV BAAH GIS switching station with four (4) bays and the existing Swift-Metcalf 115kV line and Piercy-Metcalf 115kV lines will be looped through the new switching station.

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

Actual 2026	ITD	Projected 2026	2027	2028	2029	2030	2031	2032	EAC
\$2,138	\$3,816	\$25,399	\$16,511	\$17,456	\$28,997	\$4,191	\$73	\$0	\$89,387
2%		28%	18%	20%	32%	5%	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
74064643_L0015 RUE FERRARI T-LINE	WRO	Load Interconnection	115	NA	5814132	82	3/1/2030	\$ 669	\$ 3,594
74064644_L0015 RUE FERRARI CUST SUB TEMP	WRO	Load Interconnection	NA	115 kV	5814131	82	9/28/2026	\$ 412	\$ 207
74064646_L0016 SILVER CREEK T-LINE	WRO	Load Interconnection	115	NA	5814128	82	3/1/2030	\$ 134	\$ 2,891
74065333_L0015 METCALF REMOTE END	WRO	Load Interconnection	NA	115 kV	5814471	82	3/1/2030	\$ 99	\$ 1,543
74065334_L0015 EVERGREEN REMOTE END	WRO	Load Interconnection	NA	115 kV	5814470	82	3/1/2030	\$ 102	\$ 1,481
74065623_L0015_16 HELLYER LAND ACQUIS	WRO	Load Interconnection	NA	115 kV	5561439	82	12/31/2027	\$ 91	\$ 14,884
L0015 EVERGREEN REMOTE END TEMP	WRO	Load Interconnection	NA	115 kV	5814794	82	9/28/2026	\$ 102	\$ 34
L0015 METCALF REMOTE END TEMP	WRO	Load Interconnection	NA	115 kV	5814793	82	9/28/2026	\$ 118	\$ 30
L0015 RUE FERRARI T-LINE TEMP SERVICE	WRO	Load Interconnection	115	NA	5815152	82	9/28/2026	\$ 740	\$ 209
L0015_16 HELLYER NEW SW STA (Refund)	WRO	Load Interconnection	NA	115 kV	5814133	82	3/1/2030	\$ 673	\$ 61,670
L0015_RUE FERRARI CUST SUB PERM	WRO	Load Interconnection	NA	115 kV	5816399	82	3/1/2030	\$ 74	\$ 1,749
L0015_RUE FERRARI TELECOM TEMP	WRO	Load Interconnection	NA	115 kV	5816398	82	9/28/2026	\$ 481	\$ 27
L0016 SILVER CREEK CUST SUB MAIN	WRO	Load Interconnection	NA	115 kV	5814127	82	3/1/2030	\$ 122	\$ 1,069

Project Need

The Interconnection Customer (IC), has signed agreements with Pacific Gas and Electric Company (PG&E) for LC24-13 and LC24-14 ("Project") to interconnect two (2) data centers to PG&E's Transmission system

Project & Permitting Status Updates

Construction Start: 06/01/26
CPUC Date Filed: 2/26/26
(5815152)
Expected 2027 Q1
(5814132)



*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	2022
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	\$ 24,921
Current Projected Cost	\$ 143,348
In Service Date	6/30/2031
Project Status	Engineering
Original In-Service Date	3/1/2017
Reason for Change in ISD	Prioritization

Actual 2026	ITD	Projected 2026	2027	2028	2029	2030	2031	2032	EAC
\$863	\$24,921	\$5,083	\$18,405	\$21,956	\$41,157	\$25,137	\$6,683	\$7	\$143,348
1%		4%	13%	15%	29%	18%	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
230 KV TLINE LOCKEFORD - NEW INDUSTRIAL	Reliability	New T-Line	230	NA	5767239	60	6/3/2031	\$ 21,467	\$ 55,844
LOCKEFORD SUBSTATION UPGRADES	Reliability	Bus Upgrade	NA	230 kV	5771389	61	6/30/2031	\$ 352	\$ 25,845
LOOP IN BRIGHTON-BELLOTA INTO LOCKEFORD	Reliability	System Design Upgrade	230	NA	5767209	60	6/30/2031	\$ 1,584	\$ 28,230
NEW 230 KV INDUSTRIAL SWITCHING STATION	Reliability	New Substation	NA	230 kV	5767188	61	6/30/2031	\$ 1,518	\$ 33,429

Project Description

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 Substation. To accommodate the Brighton – Bellota loop-in and the new DCTL, the Lockeford 230 kV Bus will be upgraded to a four-bay 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

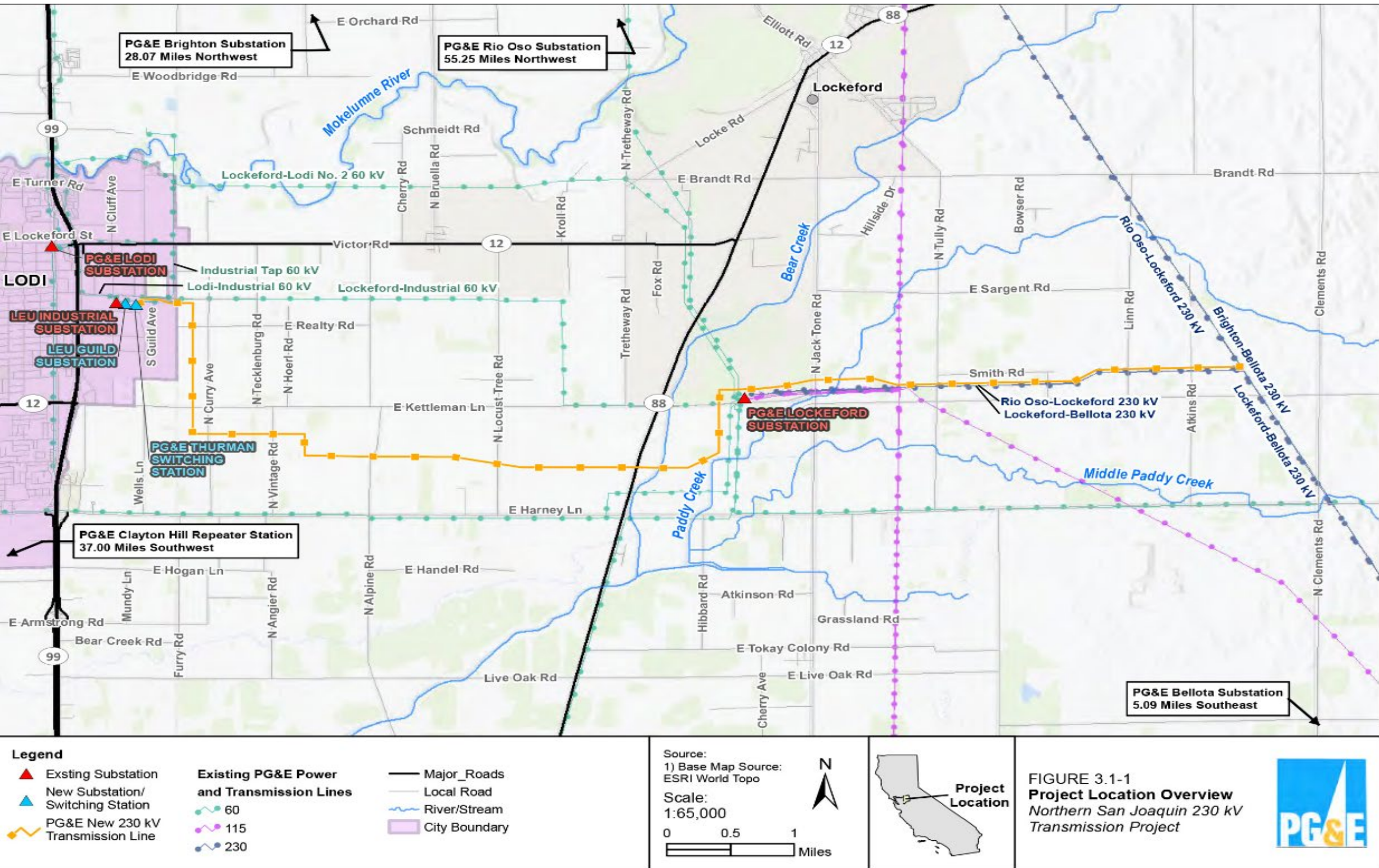
Project Need

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.

Project & Permitting Status Updates

Construction Start: 11/01/29
CPUC Date Filed: 09/01/23

Final EIR posted by CPUC on 8/12/25. New estimated CPCN issue date is July 2026. There is no external project opposition at this point. PG&E continues to update its schedule assumptions regularly as project permitting and development activities continue for internal planning purposes. However, the actual schedule cannot be known until the CPUC completes its permitting process.



*Note: All dollar figures represented in the 000s

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

Project Details

County	Contra Costa
Year of BC Approval	2020
CAISO Year	NA
CPUC Filing Type	PTC: A. 24-11-005
CPUC Status	Filed and Under
CPUC Status Year	TBD
Total Actuals to Date	\$ 23,955
Current Projected Cost	\$ 275,442
In Service Date	12/24/2030
Project Status	Engineering
Original In-Service Date	7/31/2025
Reason for Change in ISD	Prioritization

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.

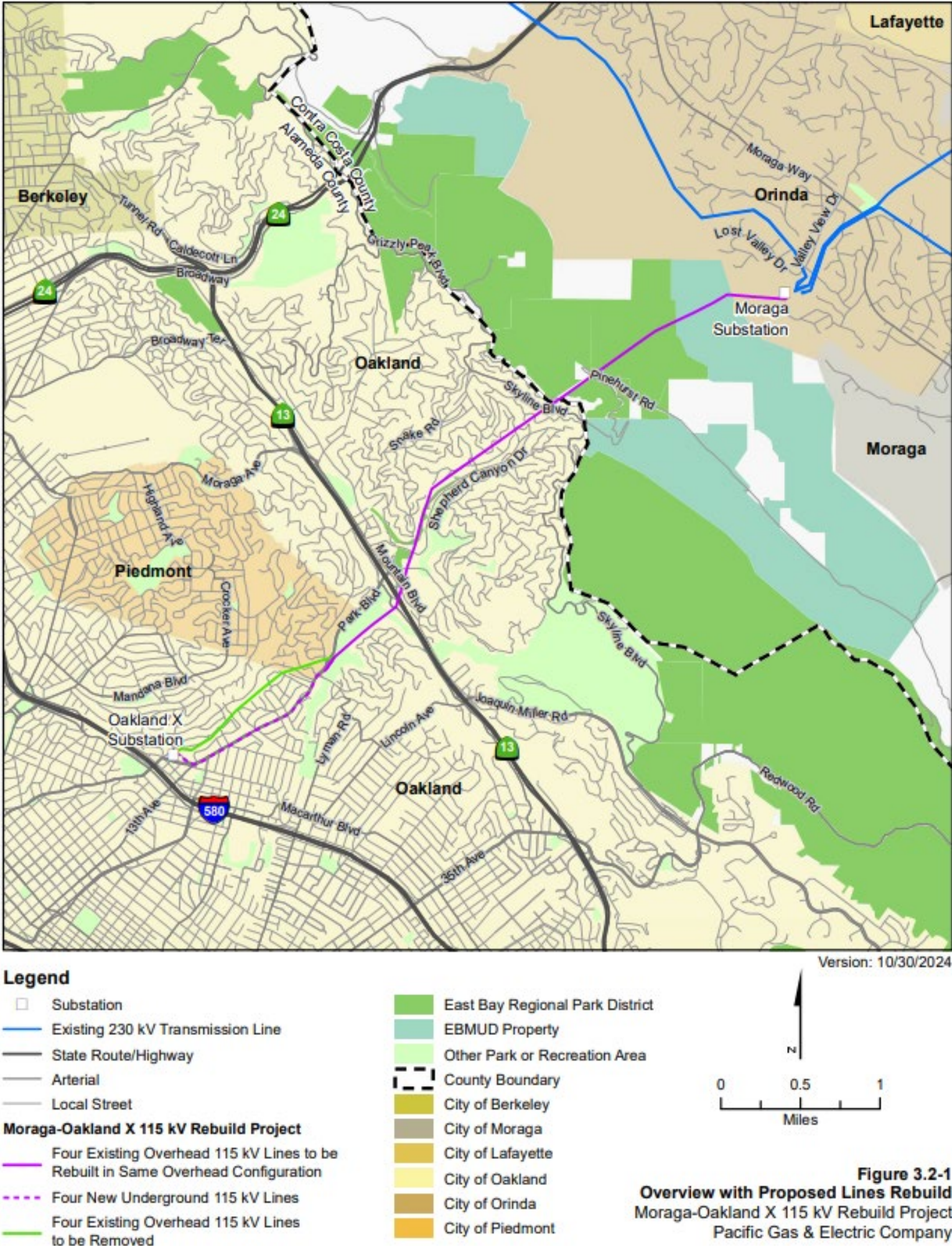
Project & Permitting Status Updates

Construction Start: 04/27/29
CPUC Date Filed: 11/15/24

Actual		Projected								
2026	ITD	2026	2027	2028	2029	2030	2031	2032	EAC	
\$923	\$23,955	\$2,143	\$3,245	\$6,209	\$96,267	\$115,298	\$27,430	\$895	\$275,442	
0%		1%	1%	2%	35%	42%	10%	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 SUB: 115KV TERMINAL UPGRADES	Reliability	Substation Reliability	NA	115 kV	5789522	61	12/24/2030	\$ 349	\$	13,250
MORAGA-OAKLAND X 115KV #1&2 RECOND	Asset Condition	Replace Conductor	115	NA	5793947	93	12/24/2030	\$ 12,509	\$	128,530
MORAGA-OAKLAND X 115KV #3&4 RECOND	Asset Condition	Replace Conductor	115	NA	5793948	93	12/24/2030	\$ 8,356	\$	116,829
MORAGA-OAKLAND X 115KV LINES 1-4 LAND	Asset Condition	Replace Conductor	115	NA	5551684	93	12/24/2030	\$ 2,179	\$	2,571
OAKLAND X SUB: 115KV BUS UPGRADE	Reliability	Substation Reliability	NA	115 kV	5789521	61	12/24/2030	\$ 562	\$	14,261



*Note: All dollar figures represented in the 000s



T.0010465 - San Jose A -Substation rebuild

Project Details

County	Santa Clara
Year of BC Approval	TBD
CAISO Year	NA
CPUC Filing Type	NOC: AL 7912-E
CPUC Status	Filed and Under Review
CPUC Status Year	TBD
Total Actuals to Date	\$24,424
Current Projected Cost	\$256,613
In Service Date	9/12/2028
Project Status	Engineering
Original In-Service Date	TBD
Reason for Change in ISD	NA

Actual 2026	ITD	Projected 2026	2027	2028	2029	2030	2031	2032	EAC
\$6,604	\$61	\$28,928	\$83,568	\$87,245	\$27,550	\$4,897	\$0	\$0	\$256,613
3%		11%	33%	34%	11%	2%	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
SAN JOSE A - SUBSTATION REBUILD BUS UPG	Load Growth	Bus Upgrade	NA	115 kV	5811207	61	11/10/2028	\$17,714	\$175,907
SAN JOSE A - SUBSTATION REBUILD SYS DESG	Load Growth	System Design Upgrade	115	NA	5811200	60	11/7/2028	\$423	\$8,288
SAN JOSE A REBUILD LAND ACQUISITION	Load Growth	Bus Upgrade	NA	NA	5562874	46	11/10/2028	\$41	\$4,941
SAN JOSE A SUB REBUILD DIST SCOPE	Load Growth	System Design Upgrade	NA	NA	5811941	6	9/12/2028	\$61	\$14,096
SAN JOSE A -SUBSTATION REBUILD - NEW BUS	Load Growth	Bus Upgrade	NA	NA	5811202	46	11/7/2028	\$6,185	\$53,381

Project Description

This project proposes to rebuild San Jose A Substation into a substation capable of serving new load. The rebuild calls for one 115kV Breaker-and-a-Half (BAAH) GIS (Gas Insulated Switchgear) with fifteen (15) transmission circuit breakers. It will install two (2) distribution transformers, two (2) distribution switchgears, three (3) new 21kV feeders, and five (5) 12kV feeders.

Entity Initiating Project: PG&E
Distribution Components: Substation

Project Need

This project will allow PG&E to serve new load in downtown San Jose, including three Westbank campuses, one Hines data center, Google's Downtown Diridon project, and normal growth from building and transportation electrification, including the Silicon Valley BART extension to downtown San Jose.

Project & Permitting Status Updates

Construction Start: 03/09/28
CPUC Date Filed: 05/13/26



*Note: All dollar figures represented in the 000s

T.0009536 - Dixon Landing 115 kV Upgrade

Project Details

County	Alameda
Year of BC Approval	2025
CAISO Year	2002
CPUC Filing Type	NOC
CPUC Status	TBD
CPUC Status Year	TBD
Total Actuals to Date	\$ 2,530
Current Projected Cost	\$ 188,775
In Service Date	12/31/2030
Project Status	Engineering
Original In-Service Date	12/31/2008
Reason for Change in ISD	Scope Change

Project Description

The revised scope aims to reconductor the following 115 kV lines using advanced conductors to achieve a summer emergency rating of 3,000 Amps or higher: Piercy-Metcalf, Swift-Metcalf, Newark-Dixon Landing, and McKee-Piercy.

Entity Initiating Project: CAISO
Distribution Components: N/A

Project Need

The initial scope of work was intended to address customer reliability, load serving capabilities, improve operational flexibility and mitigate contingency overloads of the PG&E transmission system, which remains the case. However, a cluster of large load data centers are being proposed in this area that has significantly increased the need for transmission capacity. The original scope of work, which did not include the McKee- Piercy 115kV Line and only required reconductoring of the other three 115kV Lines with at least 1500 Amps summer emergency rating, will not be sufficient to meet the growing capacity needs of the Transmission and Distribution loads in the East San Jose pocket.

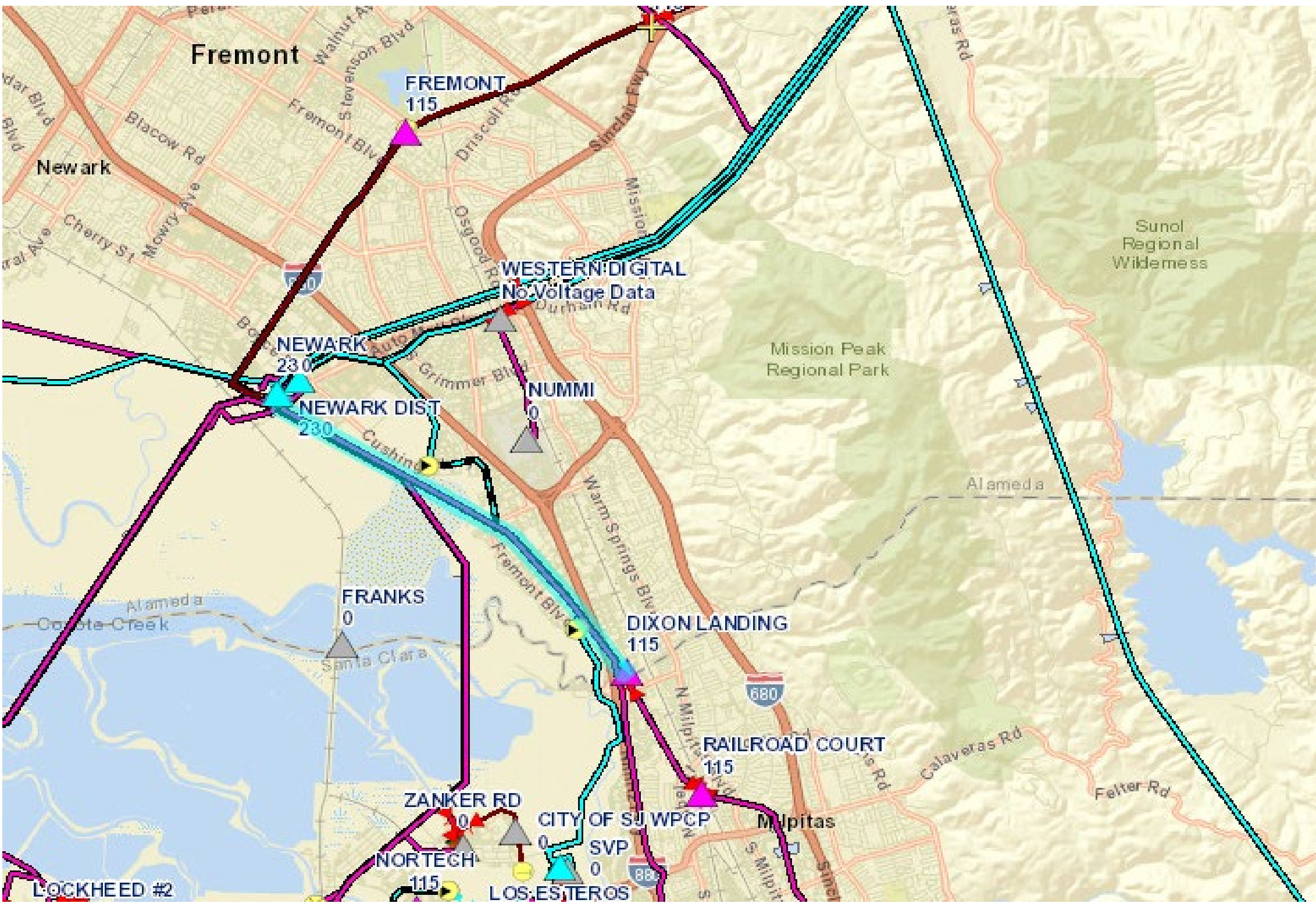
Project & Permitting Status Updates

Construction Start: 07/13/27
CPUC Date Filed: Expected 2027 Q2

Actual 2026	ITD	Projected 2026	2027	2028	2029	2030	2031	2032	EAC
\$1,186	\$2,530	\$3,531	\$54,739	\$58,677	\$47,075	\$20,858	\$1,363	\$0	\$188,775
1%		2%	29%	31%	25%	11%	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
DIXON LANDING: NEWARK-DIXON LNDING 115KV	Reliability	Line Termination	NA	115 kV	5561379	61	6/8/2029	\$ 53	\$ 15,711
MCKEE- PIERCY 115KV: SWIFT- METCALF UPGR	Reliability	Line Reconductoring	115	NA	5815001	60	12/31/2030	\$ 94	\$ 34,936
MCKEE: MCKEE-PIERCY 115KV LINE UPGRA	Reliability	Line Termination	NA	115 kV	5561358	61	6/8/2029	\$ 59	\$ 11,313
METCALF: METCALF-PIERCY 115KV LINE UPGRA	Reliability	Line Termination	NA	115 kV	5561389	61	8/25/2028	\$ 65	\$ 1,543
NEWARK: NEWARK- DIXON LANDING 115 KV UPG	Reliability	Line Termination	NA	115 kV	5561380	61	6/11/2029	\$ 62	\$ 4,238
NEWARK-DIXON LANDING 10227_RECONDUCTOR	Reliability	Line Reconductoring	115	NA	5806850	60	12/31/2030	\$ 542	\$ 33,540
PIERCY: METCALF-PIERCY 115KV LINE UPGRA	Reliability	Line Termination	NA	115 kV	5561388	61	6/8/2029	\$ 56	\$ 15,133
PIERCY-METCALF 10390_RECONDUCTOR	Reliability	Line Reconductoring	115	NA	5806848	60	9/24/2030	\$ 369	\$ 28,413
SWIFT: SWIFT-METCALF 115 KV LINE UPGRA	Reliability	Line Termination	NA	115 kV	5561381	61	6/8/2029	\$ 91	\$ 11,368
SWIFT-METCALF 10326_RECONDUCTOR	Reliability	Line Reconductoring	115	NA	5806849	60	12/31/2030	\$ 1,140	\$ 32,578



*Note: All dollar figures represented in the 000s



T.0004347 - Herndon - Bullard Nos. 1 and 2 115 kV RC

Project Details

County	Fresno
Year of BC Approval	TBD
CAISO Year	2018
CPUC Filing Type	NOC
CPUC Status	TBD
CPUC Status Year	TBD
Total Actuals to Date	\$ 741
Current Projected Cost	\$ 9,718
In Service Date	11/14/2028
Project Status	Engineering
Original In-Service Date	1/1/2021
Reason for Change in ISD	Prioritization

Actual 2026	ITD	Projected 2026	2027	2028	2029	2030	2031	2032	EAC
\$76	\$741	\$609	\$8,366	\$2	\$0	\$0	\$0	\$0	\$9,718
1%		6%	86%	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
BULLARD SUB: RECONDUCTOR 115KV LINE	Reliability	Line Termination	NA	115 kV	5787499	61	10/24/2028	\$ 134	\$ 1,676
HERNDON - BULLARD NOS. 1 AND 2 115 KV RE	Reliability	Line Reconductoring	115	NA	5782638	60	10/24/2028	\$ 530	\$ 7,052
PINEDALE SUB: RECONDUCTOR 115KV LINE	Reliability	Line Termination	NA	115 kV	5787498	61	11/14/2028	\$ 77	\$ 989

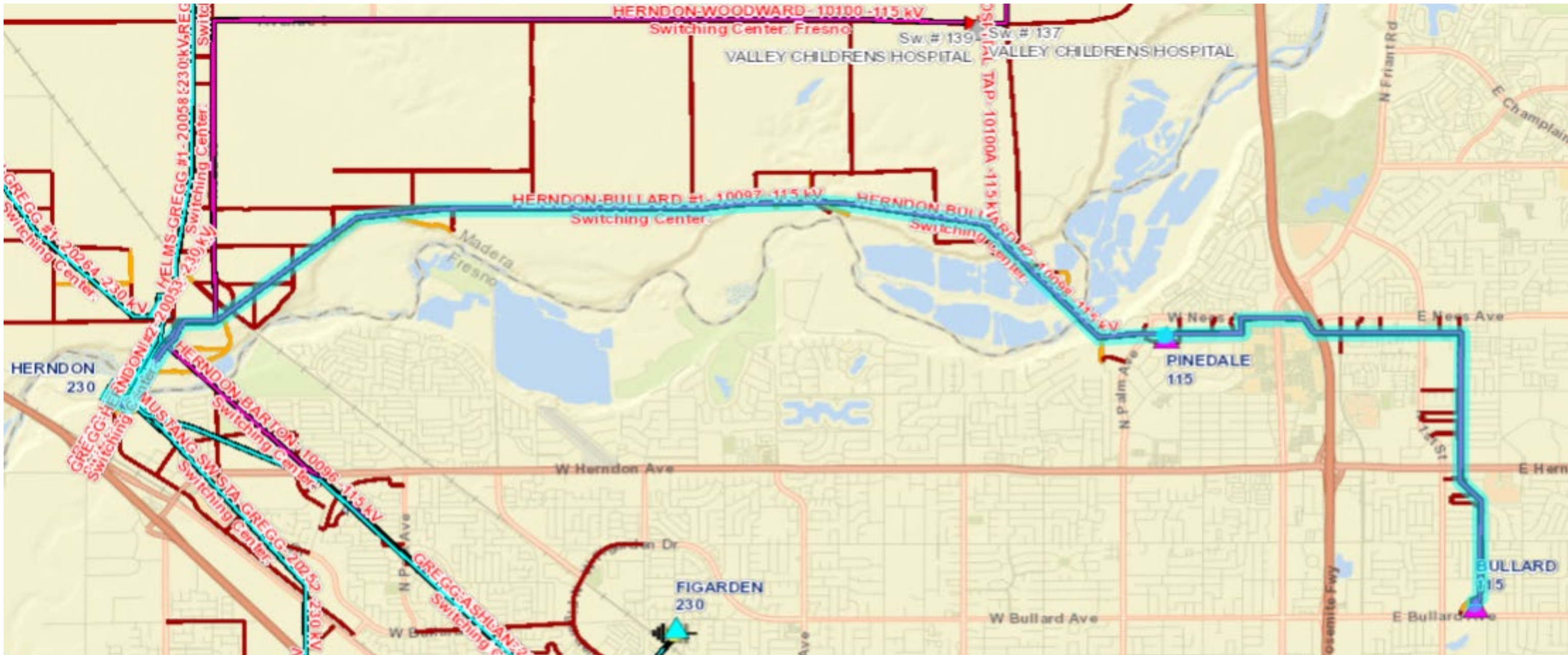
Project Description

This project proposes to reconductor roughly 8 circuit miles (4 miles of double circuit transmission line) between Pinedale Jct and Bullard Substation on the Herndon - Bullard Nos. 1 and 2 115 kV lines.

Entity Initiating Project: CAISO
Distribution Components: N/A

Project Need

This project will increase transmsion capacity to serve customers in the Fresno County.



Project & Permitting Status Updates

Construction Start: 02/24/28
CPUC Date Filed: Expected 2027 Q2



*Note: All dollar figures represented in the 000s

T.0004832 - South Of Mesa Upgrade Project

Project Details

County	Santa Barbara
Year of BC Approval	TBD
CAISO Year	2019
CPUC Filing Type	NOC
CPUC Status	TBD
CPUC Status Year	TBD
Total Actuals to Date	\$1,561
Current Projected Cost	\$58,466
In Service Date	8/30/2029
Project Status	Engineering
Original In-Service Date	12/31/2023
Reason for Change in ISD	Prioritization

Actual 2026	ITD	Projected 2026	2027	2028	2029	2030	2031	2032	EAC
\$103	\$1,561	\$401	\$3,596	\$38,676	\$14,232	\$0	\$0	\$0	\$58,466
0%		1%	6%	66%	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
SOUTH OF MESA - RECOND SISQ-S.YNEZ	Reliability	Line Reconductoring	115	NA	5785927	60	8/30/2029	\$1,096	\$24,441
SOUTH OF MESA UPGRADE - SANTA YNEZ SS	Reliability	Line Termination	NA	115 kV	5792240	61	7/14/2028	\$76	\$12,330
SOUTH OF MESA UPGRADE - SISQUOC SUB	Reliability	Line Termination	NA	115 kV	5792241	61	12/2/2027	\$27	\$928
SOUTH OF MESA: UPGRADE CABRILLO SUBSTATI	Reliability	Voltage Support	NA	115 kV	5785938	61	5/7/2029	\$361	\$20,766

Project Description

This project proposes to upgrade approximately 21.3 miles of conductor on the Sisquoc – Santa Ynez SW STA 115 kV Line, install 20 Mega Volt-ampere reactive (MVAR) shunt capacitors at Cabrillo Substation and install Remedial Action Scheme (RAS) (formerly known as Special Protection Scheme (SPS)) on the Sisquoc – Santa Ynez SW STA 115 kV Line.

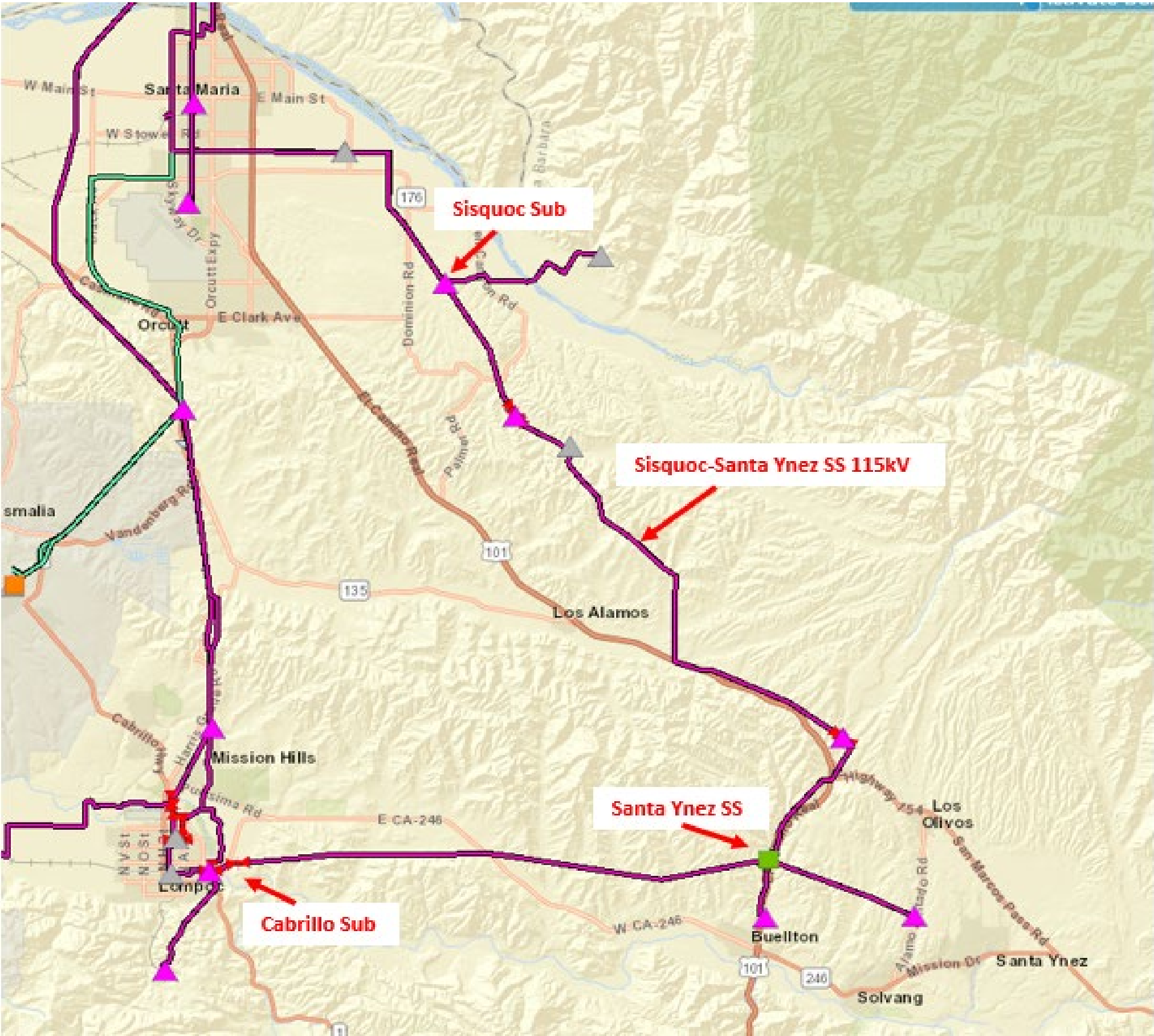
Entity Initiating Project: CAISO
Distribution Components: N/A

Project Need

Completion of this project is needed to improve the electric transmission system reliability and operational flexibility in the Santa Barbara County.

Project & Permitting Status Updates

Construction Start: 06/22/27
CPUC Date Filed: Expected 2027 Q3



*Note: All dollar figures represented in the 000s

T.0000157 - Oro Loma 70kV Reinforcement

Project Details

County	Merced
Year of BC Approval	2025
CAISO Year	2011
CPUC Filing Type	NOC
CPUC Status	TBD
CPUC Status Year	TBD
Total Actuals to Date	\$ 9,988
Current Projected Cost	\$ 43,585
In Service Date	5/23/2028
Project Status	Engineering
Original In-Service Date	5/1/2015
Reason for Change in ISD	Prioritization

Project Description

- The rescoping of Oro Loma 70 kV Area Reinforcement Project will include the following:
- Build a new 70 kV circuit (about 4 miles) from Mercy Springs SW. STA. to Ortega Substation using the same right-of-way; and
 - Expand Mercy Springs SW. STA and Ortega 70 kV Buses as needed.

Entity Initiating Project: CAISO
Distribution Components: N/A

Project Need

This project proposes providing additional transmission capacity to serve electric customers in Merced County.

Project & Permitting Status Updates

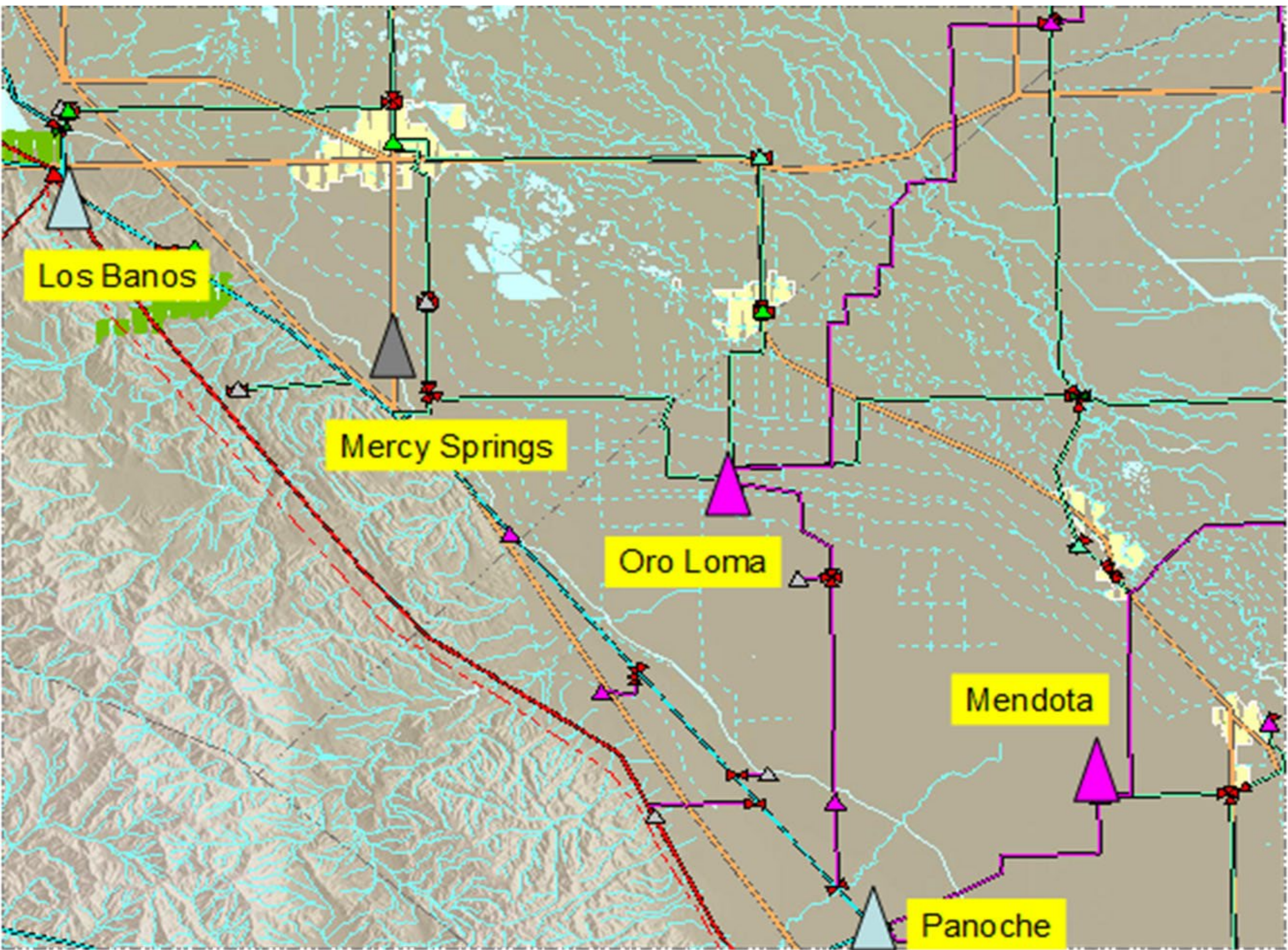
Construction Start: 08/20/27
CPUC Date Filed: Expected 2027 Q3

Project re-scoped in 2025-2026 CAISO TPP with a May 2032 expected ISD.

Actual 2026	ITD	Projected 2026	2027	2028	2029	2030	2031	2032	EAC
\$729	\$9,988	\$2,765	\$19,671	\$11,122	\$39	\$0	\$0	\$0	\$43,585
2%		6%	45%	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
CANAL SUB UPGRADES	Reliability	Line Termination	NA	70 kV	5767200	61	12/30/2027	\$ 109	\$ 1,874
LOS BANOS SUB UPGRADES	Reliability	Line Termination	NA	70 kV	5777179	61	5/23/2028	\$ 2,793	\$ 4,890
LOS BANOS-SANTA NELLA RECONDUCTOR	Reliability	Line Reconductoring	70	NA	5767204	60	5/23/2028	\$ 817	\$ 13,336
MERCY SPRINGS - CANAL SS T-LINE RECONDUC	Reliability	Line Reconductoring	70	NA	5767240	60	12/30/2027	\$ 6,239	\$ 23,451
MERCY SPRINGS SUB UPGRADES	Reliability	Line Termination	NA	70 kV	5813985	61	12/30/2027	\$ 10	\$ 12
SANTA NELLA SUB UPGRADES	Reliability	Line Termination	NA	70 kV	5813982	61	12/30/2027	\$ 20	\$ 22



*Note: All dollar figures represented in the 000s



T.0004113 - Midway-Temblor 115kV Recon & Voltage Sup

Project Details

County	Kern
Year of BC Approval	TBD
CAISO Year	2013
CPUC Filing Type	NOC
CPUC Status	TBD
CPUC Status Year	TBD
Total Actuals to Date	\$ 2,509
Current Projected Cost	\$ 54,132
In Service Date	2/27/2030
Project Status	Engineering
Original In-Service Date	5/1/2018
Reason for Change in ISD	Prioritization

Actual 2026	ITD	Projected 2026	2027	2028	2029	2030	2031	2032	EAC
\$675	\$2,509	\$2,423	\$17,493	\$19,929	\$8,075	\$3,630	\$74	\$0	\$54,132
1%		4%	32%	37%	15%	7%	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
MIDWAY-TEMBLOR 115KV RECON ENGINEERING	Reliability	Line Reconductoring	115	NA	5813946	60	3/13/2028	\$ 147	\$ 9,119
MIDWAY-TEMBLOR 115KV RECON T-LINE	Reliability	Line Reconductoring	115	NA	5781145	60	3/10/2028	\$ 1,317	\$ 19,088
MIDWAY-TEMBLOR 115KV VOLTAGE SUP SUBSTAT	Reliability	Voltage Support	NA	115 kV	5781146	61	2/27/2030	\$ 1,045	\$ 25,925

Project Description

This project proposes to upgrade 14.5 miles of conductor and four (4) transmission switches (Nos. 137, 139, and 157) on the Midway – Temblor 115 kV Line, and install 39 MVAR shunt capacitors with 13 MVAR steps (a total of 3 steps), and convert existing 115kV bus at Temblor Substation to 5-element ring bus (expandable to 6-element in future).

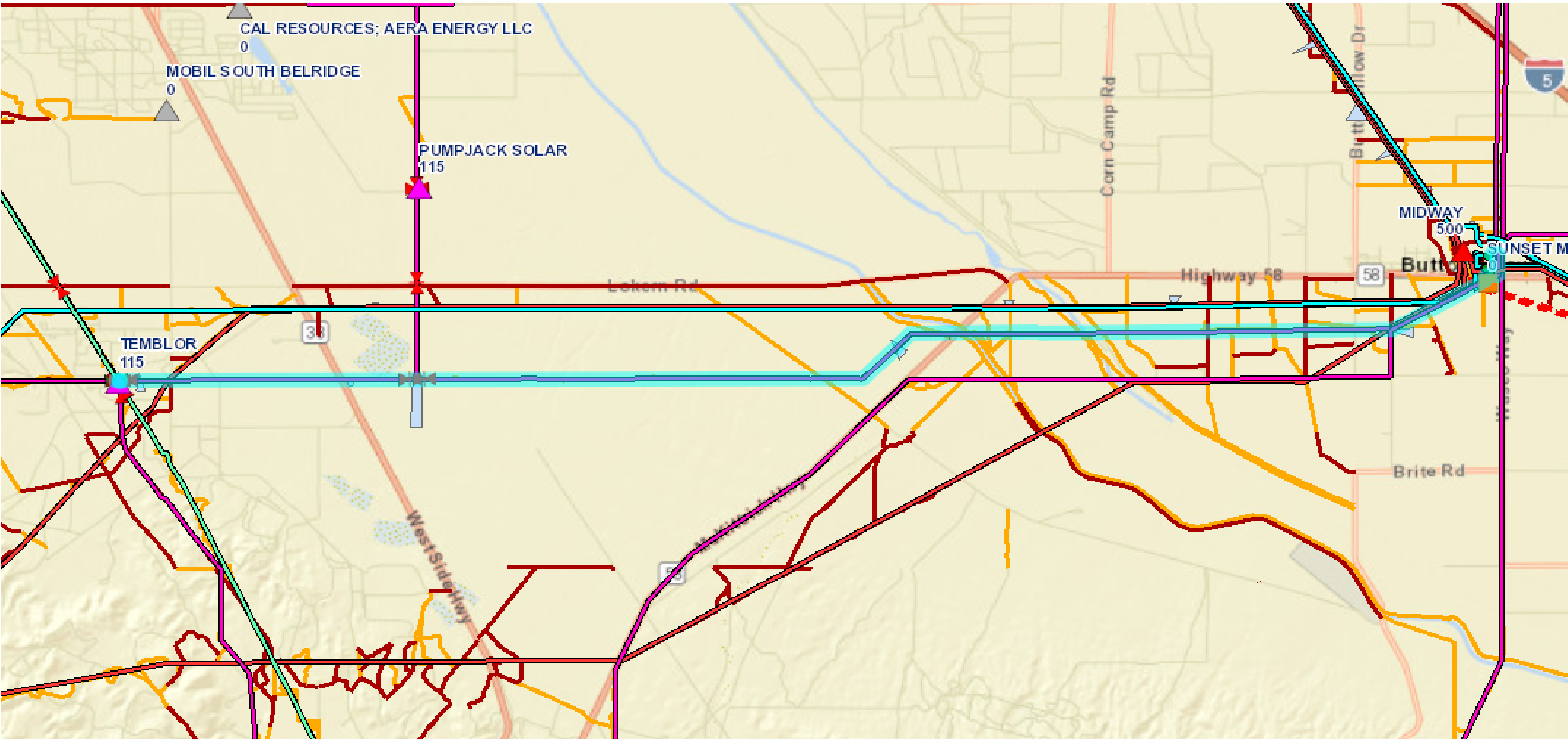
Entity Initiating Project: CAISO
Distribution Components: N/A

Project Need

This project will help reinforce the system in the area around PG&E's Temblor Substation in the southern portion of Kern Division to mitigate thermal overloads caused by significant projected load growth in the area.

Project & Permitting Status Updates

Construction Start: 10/18/27
CPUC Date Filed: Expected 2027 Q3



*Note: All dollar figures represented in the 000s

T.0011037 - IGNACIO - MARE ISLAND TWR REPL PHASE 6

Project Details

County	Napa	
Year of BC Approval	TBD	
CAISO Year	NA	
CPUC Filing Type	NOC	
CPUC Status	TBD	
CPUC Status Year	TBD	
Total Actuals to Date	\$	3
Current Projected Cost	\$	27,245
In Service Date	1/19/2028	
Project Status	Engineering	
Original In-Service Date	TBD	
Reason for Change in ISD	NA	

Actual 2026	ITD	Projected 2026	2027	2028	2029	2030	2031	2032	EAC
\$3	\$3	\$251	\$23,918	\$3,073	\$0	\$0	\$0	\$0	\$27,245
0%		1%	88%	11%	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 TWR REPL PHASE 6	Asset Condition	Replace Steel Poles	115	NA	5806103	70	1/19/2028	\$ 3	\$ 27,245

Project Description

Replace 34 deteriorated towers along the Ignacio-Mare Island #1 and #2 115 kV transmission line.

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

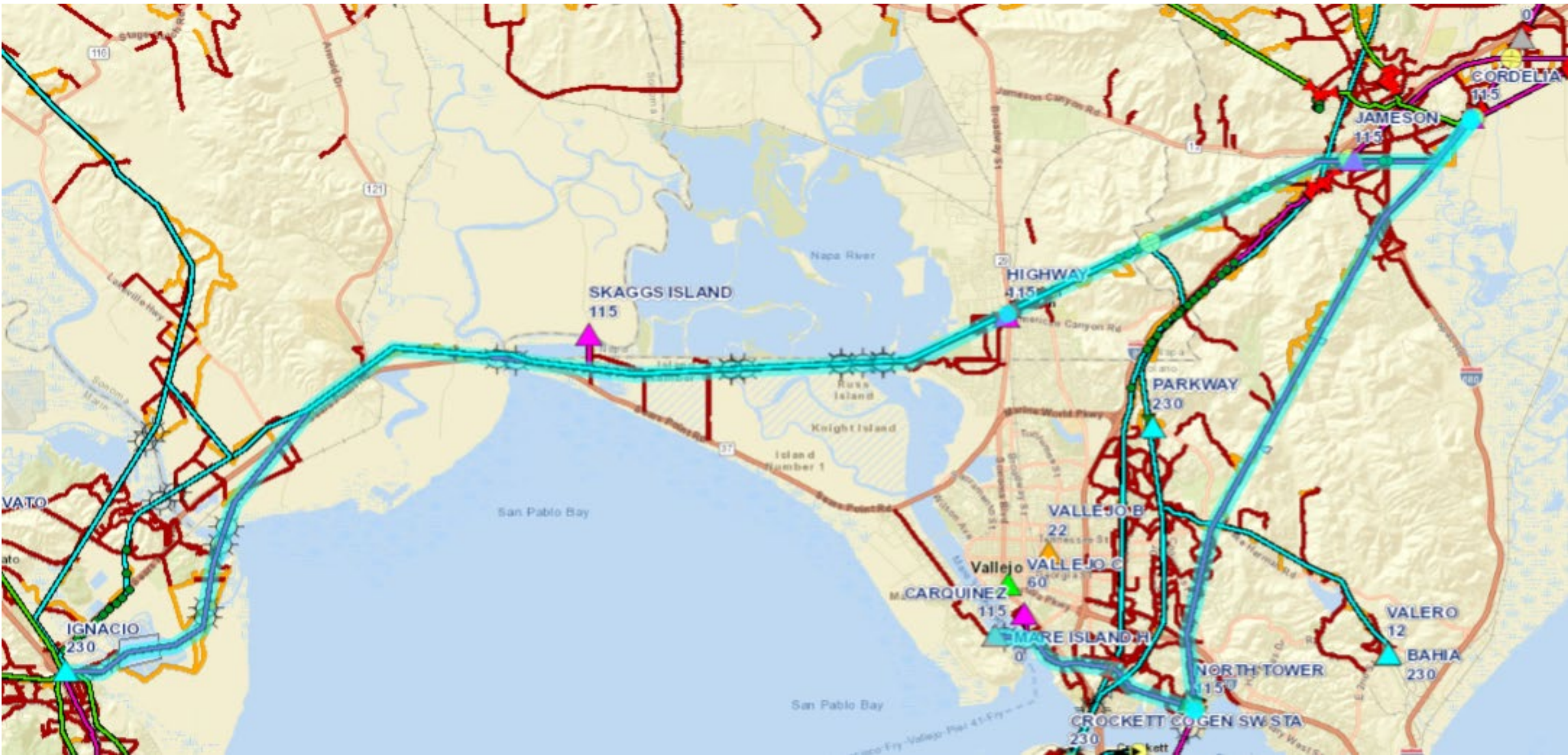
Project Need

The replacement of the 34 towers in the scope of this project will address NERC non-compliances from Ignacio Substation to Highway Substation and improve the overall safety and reliability of the system due to the condition of these towers.

Project & Permitting Status Updates

Construction Start: 01/07/28
CPUC Date Filed: Expected 2027 Q3

Formerly part of T.0007072 IGNACIO-MARE ISL 115KV
(IGN SUB/HWY SUB)



*Note: All dollar figures represented in the 000s

T.0000423 - TEMBLOR-SAN LUIS OBISPO 115KV NERC

Project Details

County	Kern
Year of BC Approval	2018
CAISO Year	NA
CPUC Filing Type	NOC
CPUC Status	TBD
CPUC Status Year	TBD
Total Actuals to Date	\$ 6,727
Current Projected Cost	\$ 51,297
In Service Date	5/20/2029
Project Status	Engineering
Original In-Service Date	11/7/2020
Reason for Change in ISD	Prioritization

Project Description

Replace single conductor on 38 miles, retension 8 spans, raise 8 towers via top cage extensions, install 3 interset Tubular Steel Poles, convert 6 suspension towers to dead-ends, replace 2 switches, and modify 64 tower foundations on the Temblor-San Luis Obispo 115kV line

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

Project Need

To comply with CPUC General Order 95 (GO-95) requirements.

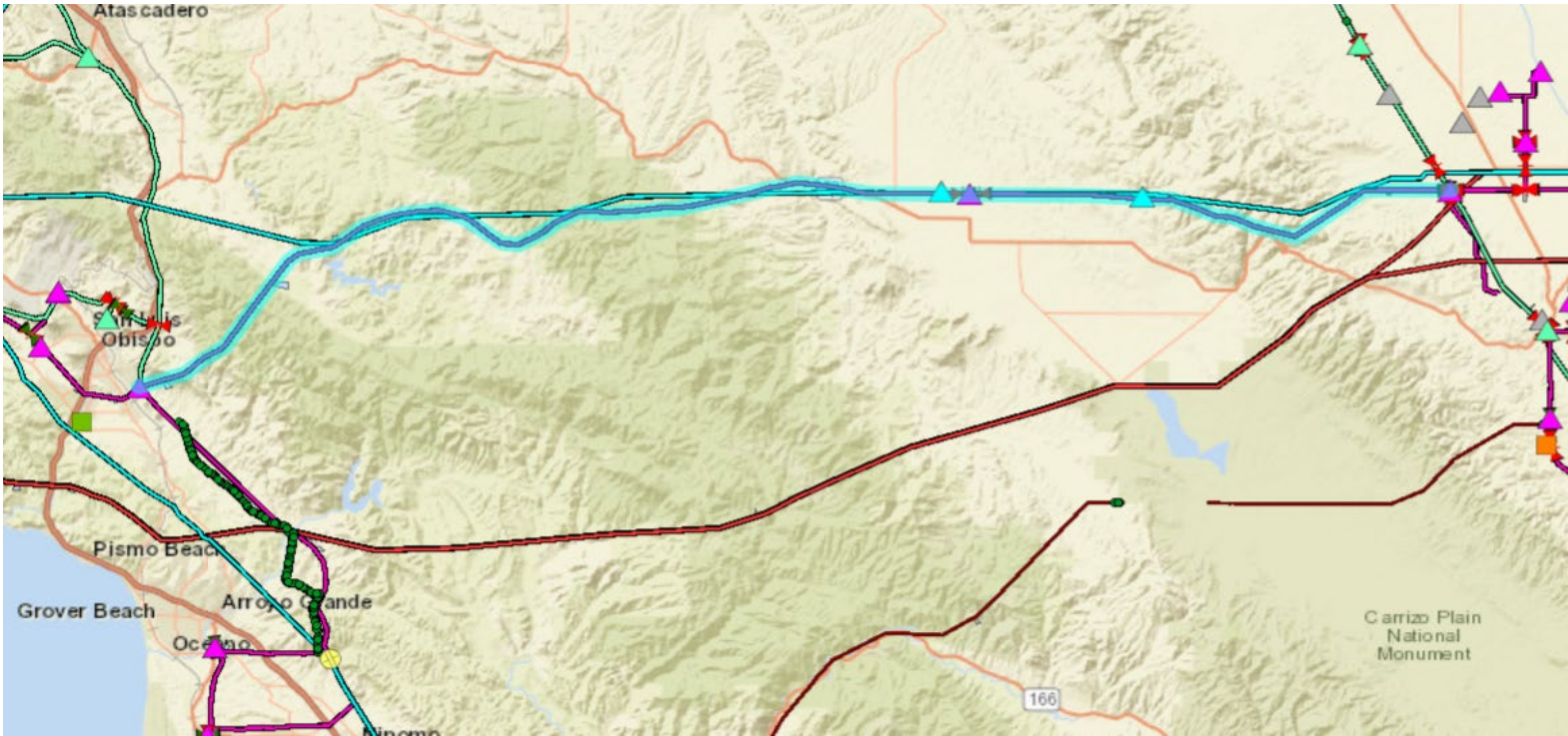
Project & Permitting Status Updates

Construction Start: 04/10/28
CPUC Date Filed: Expected 2027 Q3

Actual		Projected								
2026	ITD	2026	2027	2028	2029	2030	2031	2032	EAC	
\$225	\$6,727	\$2,681	\$3,953	\$24,843	\$13,092	\$1	\$0	\$0	\$51,297	
0%		5%	8%	48%	26%	0%	0%	0%		

Project Name	Primary Purpose	Secondary Purpose	Transmission Voltage Level	Substation Voltage Level	Planning Order	MWC	In Service Date	Inception to Date	Estimated at Completion	
TEMBLOR-SAN LUIS OBISPO 115KV NERC	Asset Condition	NERC Compliance - GO 95	115	NA	5750606	93	5/20/2029	\$ 6,727	\$ 51,297	

Order Details



Import Image from GIS



*Note: All dollar figures represented in the 000s

T.0009189 - New Collinsville 500kV Sub Connection Pr

Project Details

County	Alameda
Year of BC Approval	2025
CAISO Year	2022
CPUC Filing Type	NOC
CPUC Status	TBD
CPUC Status Year	TBD
Total Actuals to Date	\$ 6,782
Current Projected Cost	\$ 114,929
In Service Date	5/30/2028
Project Status	Engineering
Original In-Service Date	1/1/2028
Reason for Change in ISD	NA

Actual 2026	ITD	Projected 2026	2027	2028	2029	2030	2031	2032	EAC
\$856	\$6,782	\$15,417	\$55,108	\$33,661	\$3,961	\$0	\$0	\$0	\$114,929
1%		13%	48%	29%	3%	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
LOOP VACA DIXON-TESLA IN COLLINSVILLE	Policy	T-Line Capacity	500	NA	5804858	60	5/30/2028	\$ 2,267	\$ 42,193
PITTSBURG CONNECT 2 230 & INST BUS REAC	Policy	Voltage Support	NA	230 kV	5804803	61	5/26/2028	\$ 2,944	\$ 29,088
TESLA UPGRADE SYSTEM PROTECTION	Policy	Substation Reliability	NA	500 kV	5804802	61	5/30/2028	\$ 568	\$ 7,992
VACADIXON SUB 500KV SERIES CP BK2 MOD	Policy	Voltage Support	NA	500 kV	5804724	61	5/30/2028	\$ 1,003	\$ 35,657

Project Description

- The proposed PG&E scope of work for the project includes:
- Loop the Vaca Dixon – Tesla 500kV line into the new 500kV Collinsville substation and build the associated transmissioin line.
 - Modify Vaca Dixon 500kV Series Capacitor Bank 2 reactance to maintain 500kV line compensation and upgrade 500kV line protection.
 - Connect two 230kV lines to Pittsburg 230kV bus in separate bus sections and install 115kV bus reactors in bus sections D&E.

Entity Initiating Project: CAISO
Distribution Components: N/A

Project Need

This project will support connection of a new 500kV substation between Vaca Dixon and Tesla Substations to the PG&E electric system. The new 500kV substation (named Collinsville), to be installed by the third-party entity (LS Power), is needed to address a number of identified transmission constraints and provide an additional supply from the 500kV system into the northern Greater Bay Area, to increase reliability to the area and advance additional renewable generation in the northern area. This project will support LS Power's new 500kV substation connection to the PG&E transmission system.

Project & Permitting Status Updates

Construction Start: 06/01/27
CPUC Date Filed: Expected 2027 Q4



*Note: All dollar figures represented in the 000s