| 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 | Construction |
| T.0010230 | Cooley Landing Los Altos 60kV Pole Relo | NOC: AL 7605-E | 2025-05-23 | Approved | 2025 | Engineering |
| T.0004281 | Lakeville #2 60kV:RELO:Novato_CalT_101 | NOC: AL 7634-E | 2025-07-03 | Approved | 2025 | Engineering |
| T.0009604 | Momentum 230/21kV Substation | NOC: AL 7636-E | 2025-07-03 | Approved | 2025 | Engineering |
| T.0011035 | IGNACIO - MARE ISLD TWR REP PHASE 4 | NOC AL-7650-E | 2025-07-17 | Approved | 2025 | Engineering |
| T.0009383 | Q1949- Darden-GenSite SS Los Banos Gates | NOC: AL 7656-E | 2025-07-30 | Approved | 2025 | Engineering |
| T.0000007 | Vaca Dixon Area Reinforcement Project | NOC: AL 7542-E<br>PTC: A.24-06-008 | 3/12/2025<br>6/28/2024 | Approved<br>Filed and Under Review | 2025 \| TBD | Engineering |
| T.0000155 | Lockeford - Lodi Area 230 kV Development | CPCN: A.23-09-001 | 2023-09-01 | Filed and Under Review | TBD | Engineering |
| T.0009169 | Metcalf HVDC Interconnection Project | NOC: AL 7391-E | 2024-10-10 | Filed and Under Review | TBD | Engineering |
| T.0000349 | Moraga-Oakland #1-#4 Rebuild | PTC: A. 24-11-005 | 2024-11-15 | Filed and Under Review | TBD | Engineering |
| T.0007676 | AWS Gilroy 115kV Interconnection | NOC: AL 7687-E | 2025-08-29 | Filed and Under Review | TBD | Engineering |
| T.0008740 | Tulucay-Napa No. 2 60kV Pole Relo | NOC | Expected 2025 Q4 | TBD | TBD | Engineering |
| T.0004279 | Salinas-Laureles 60kV:RELO:S_Davis_Rd | NOC | Expected 2025 Q4 | TBD | TBD | Engineering |
| T.0009652 | Eden Landing Eastshore Grant | NOC | Expected 2025 Q4 | TBD | TBD | Engineering |
| T.0009194 | Manning New 500kV Sub Connection | NOC | Expected 2025 Q4 | TBD | TBD | Engineering |
| T.0000013 | Coleman - Red Bluff Project | NOC | Expected 2025 Q4 | TBD | TBD | Engineering |
| T.0000434 | KINGSBURG CORCORAN 1 AND 2 115KV NERC | NOC | Expected 2025 Q4 | TBD | TBD | Engineering |
| T.0008749 | Weber-Mormon Jct Reconductor | NOC | Expected 2025 Q4 | TBD | TBD | Engineering |
| T.0000156 | Wheeler Ridge Junction Substation | PTC | Expected 2026 Q1 | TBD | TBD | Engineering |
| T.0010903 | L0015 Rue Ferrari Large Load | NOC (5814132)<br>NOC (5815152) | Expected 2026 Q1 (5815152)<br>Expected 2027 Q1 (5814132) | TBD | TBD | Engineering |
| T.0010100 | Applied Materials Arques Load Increase | NOC | Expected 2026 Q2 | TBD | TBD | Engineering |
| T.0010873 | LC24-2 Lockheed #1 Sub TLine Cust Sub | NOC | Expected 2026 Q2 | TBD | TBD | Engineering |
| T.0009607 | Tulucay-Napa 60kV Line Reconductoring | NOC | Expected 2026 Q2 | TBD | TBD | Engineering |
| T.0009641 | Cortina #1 60 kV Line Reconductoring | NOC | Expected 2026 Q4 | TBD | TBD | Engineering |

# T.0000159 - Egbert 230kV Switching Station

## Project Details

| | |
|---|---|
| County | San Francisco |
| Year of BC Approval | 2016 |
| CAISO Year | 2015 |
| CPUC Filling Type | CPCN: A.17-12-021 |
| CPUC Status | Approved |
| CPUC Status Year | 2020 |
| Total Actuals to Date | $ 83,203 |
| Current Projected Cost | $ 258,971 |
| In Service Date | 12/31/2029 |
| 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 |
|---|---|---|---|---|---|---|---|---|---|
| -$97 | **$83,203** | $2,167 | $7,420 | $32,601 | $31,782 | $81,841 | $14,979 | $121 | **$258,971** |
| 0% | | 1% | 3% | 13% | 12% | 32% | 6% | 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 @ C | Reliability | Substation Reliability | NA | 230 kV | 5767648 | 61 | 12/11/2029 | $ 18 | $ 3,622 |
| MARTIN BUS EXT: EMBARCADERO PROT UPGRADE | Reliability | Substation Reliability | NA | 230 kV | 5767647 | 61 | 12/10/2029 | $ 107 | $ 5,328 |
| MARTIN BUS EXT: JEFFERSON PROT UPGRADES | Reliability | Substation Reliability | NA | 230 kV | 5767646 | 61 | 12/10/2029 | $ 74 | $ 7,127 |
| MARTIN BUS EXT: MARTIN SUB PROT UPGRADES | Reliability | Substation Reliability | NA | 230 kV | 5767645 | 61 | 12/10/2029 | $ 324 | $ 7,384 |
| REROUTE JEFFERSON_MARTIN 230KV LINE | Reliability | T-Line Capacity | 230 | NA | 5767217 | 60 | 12/31/2029 | $ 31,772 | $ 83,077 |
| NEW EGBERT SWITCHYARD_230KV BUS EXT. | Reliability | Substation Capacity | NA | 230 kV | 5767214 | 61 | 12/10/2029 | $ 47,040 | $ 114,306 |
| LOOP EMBARCADERO & MARTIN | Reliability | T-Line Capacity | 230 | NA | 5767213 | 60 | 12/21/2029 | $ 3,845 | $ 37,263 |
| EGBERT T-LINE - VISITACION AVE EASEMENT | Reliability | T-Line Capacity | 230 | NA | 5551310 | 60 | 3/31/2026 | $ 23 | $ 863 |

## 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

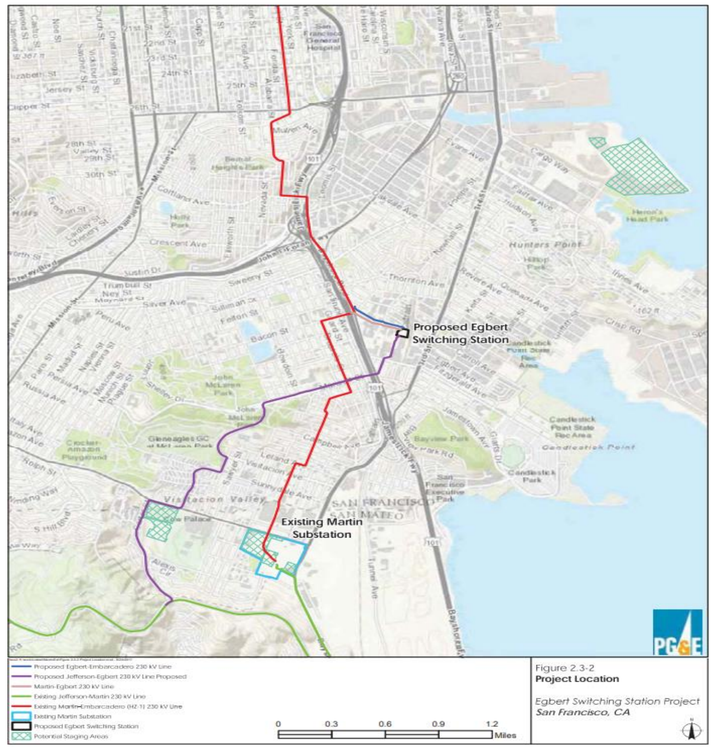
## Project Need

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 (NTP) request was submitted July and August 2021. NTP 1 was authorized October 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 Filling Type | PTC: A.18-06-004 |
| CPUC Status | Approved |
| CPUC Status Year | 2021 |
| Total Actuals to Date | $ 55,456 |
| Current Projected Cost | $ 66,101 |
| In Service Date | 7/7/2026 |
| Project Status | Construction |
| Original In-Service Date | 1/24/2023 |
| Reason for Change in ISD | Prioritization |

| Actual 2025 | ITD | Projected 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | EAC |
|---|---|---|---|---|---|---|---|---|---|
| $12,690 | **$55,456** | $3,928 | $6,537 | $180 | $0 | $0 | $0 | $0 | **$66,101** |
| 19% | | 6% | 10% | 0% | 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 | $ 85 | $ 951 |
| VIERRA 115 KV BAAH PHASE 2 | Reliability | Bus Upgrade | NA | 115 kV | 5805478 | 61 | 7/7/2026 | $ 2,927 | $ 8,115 |
| RIPON: UPGRADE VIERRA REMOTE END | Infrastructure Enhancement | MPAC | NA | 115 kV | 5777421 | 67 | 12/12/2025 | $ 170 | $ 464 |
| HOWLAND: UPGRADE VIERRA REMOTE END | Infrastructure Enhancement | MPAC | NA | 115 kV | 5777419 | 67 | 11/13/2025 | $ 2,448 | $ 3,820 |
| MANTECA: UPGRADE VIERRA REMOTE END | Infrastructure Enhancement | MPAC | NA | 115 kV | 5777418 | 67 | 5/28/2026 | $ 1,038 | $ 1,762 |
| TRACY: UPGRADE VIERRA REMOTE END | Infrastructure Enhancement | MPAC | NA | 115 kV | 5777397 | 67 | 3/26/2026 | $ 1,511 | $ 1,735 |
| KASSON: UPGRADE VIERRA REMOTE END | Infrastructure Enhancement | MPAC | NA | 115 kV | 5777396 | 67 | 4/15/2026 | $ 1,102 | $ 1,465 |
| TESLA: UPGRADE VIERRA REMOTE END | Infrastructure Enhancement | MPAC | NA | 115 kV | 5777395 | 67 | 4/2/2026 | $ 352 | $ 547 |
| VIERRA BAAH CONTROL BUILDING | Infrastructure Enhancement | MPAC | NA | 115 kV | 5777394 | 67 | 5/20/2025 | $ 10,698 | $ 11,521 |
| NV_VIERRA 115 KV BAAH | Reliability | Bus Upgrade | NA | 115 kV | 5746745 | 61 | 5/20/2025 | $ 21,668 | $ 22,187 |
| VIERRA 115 KV TLINE REINFORCEMENT PH 1 | Reliability | System Design Upgrade | 115 | NA | 5746744 | 60 | 2/23/2025 | $ 11,795 | $ 11,871 |
| VIERRA ACQUIRE PERM LAND RIGHTS | Reliability | System Design Upgrade | NA | NA | 5527666 | 60 | NA | $ 1,663 | $ 1,663 |

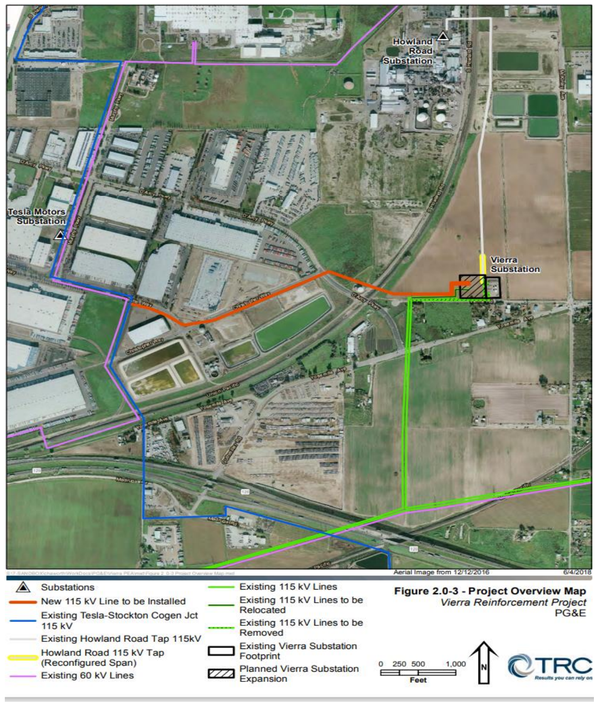



**Figure 2.0-3 - Project Overview Map**
*Vierra Reinforcement Project*
PG&E

*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 | 2015 |
| CAISO Year | 2014 |
| CPUC Filling Type | PTC: A.17-01-023 |
| CPUC Status | Approved |
| CPUC Status Year | 2024 |
| Total Actuals to Date | $ 45,831 |
| Current Projected Cost | $ 174,293 |
| In Service Date | 3/30/2029 |
| 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

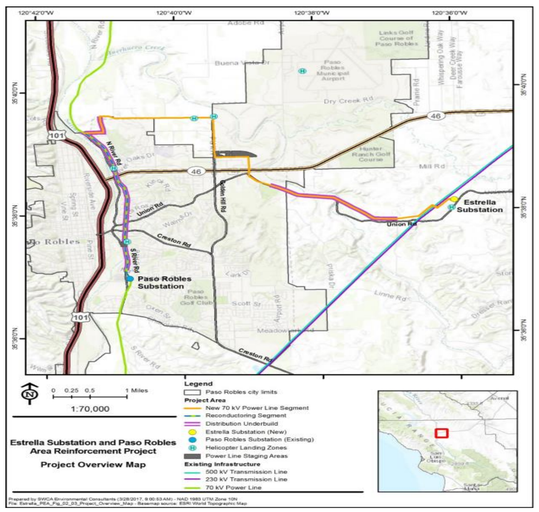
Construction Start: 8/04/25
CPUC Date Filed: 01/25/17

NTP received 7/24/25.

| Actual 2025 | ITD | Projected 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | EAC |
|---|---|---|---|---|---|---|---|---|---|
| $5,024 | **$45,831** | $9,670 | $20,835 | $42,657 | $30,298 | $24,969 | $31 | $0 | **$174,293** |
| 3% | | 6% | 12% | 24% | 17% | 14% | 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 |
|---|---|---|---|---|---|---|---|---|---|
| REC SAN MIGUEL-PASO ROBLES 70KV PH.2 ENG | Reliability | Line Reconductoring | 70 | NA | 5810240 | 60 | 4/1/2027 | $ 224 | $ 5,473 |
| UNION-SAN MIGUEL_PASO ROBLES 70KV - ENG | Reliability | T-Line Capacity | 70 | NA | 5806384 | 60 | 3/30/2029 | $ 5,727 | $ 22,788 |
| TEMPLETON SUB-INSTALL REVERSE POWER RELA | Reliability | Substation Capacity | NA | 230 kV | 5805698 | 61 | 9/30/2027 | $ 26 | $ 1,424 |
| TERMINAL UPGRADES PASO ROBLES SUB | Reliability | New T-Line | NA | 70 kV | 5805506 | 61 | 3/3/2026 | $ 161 | $ 834 |
| REC SAN MIGUEL-PASO ROBLES 70KV PH.2 EST | Reliability | Line Reconductoring | 70 | NA | 5805505 | 60 | 4/1/2027 | $ 4,139 | $ 10,857 |
| MORRO BAY: UPGRADE 230KV RELAY | Reliability | Substation Reliability | NA | 230 kV | 5771722 | 61 | 7/23/2027 | $ 45 | $ 1,966 |
| CALIFORNIA FLATS: UPGRADE 230KV RELAY | Reliability | Substation Reliability | NA | 230 kV | 5771721 | 61 | 7/16/2027 | $ 52 | $ 2,272 |
| UNION-SAN MIGUEL_PASO ROBLES 70KV - EST | Reliability | New T-Line | 70 | NA | 5771719 | 60 | 3/30/2029 | $ 11,242 | $ 42,314 |
| MORRO BAY - CAL FLATS 230KV LINE SHOOFLY | Reliability | T-Line Capacity | 230 | NA | 5771718 | 60 | 3/10/2027 | $ 121 | $ 971 |
| RECOND. SAN MIGUEL-PASO ROBLES 70KV PH.1 | Reliability | New T-Line | 70 | NA | 5767231 | 60 | 4/22/2026 | $ 7,275 | $ 16,921 |
| ESTRELLA_CPUC LIC/PER | Reliability | T-Line Capacity | 230 \| 70 | NA | 5767230 | 60 | 12/30/2026 | $ 1,415 | $ 2,913 |
| MORRO BAY-CAL FLATS 230KV INTERCONNECTIO | Reliability | New T-Line | 230 | NA | 5767208 | 60 | 5/26/2028 | $ 1,392 | $ 9,126 |
| UNION 70KV SUBSTATION | Reliability | New T-Line | NA | 70 kV | 5767207 | 61 | 5/26/2028 | $ 12,928 | $ 53,173 |
| ROW UNION-SAN MIGUEL_PASO ROBLES 70KV | Reliability | New T-Line | 70 | NA | 5554011 | 60 | NA | $ 227 | $ 1,141 |
| ROW San Miguel-Paso Robles 70kV Ph. 2 | Reliability | New T-Line | 70 | NA | 5554010 | 60 | NA | $ 4 | $ 670 |
| ROW San Miguel-Paso Robles 70kV Ph.1 | Reliability | New T-Line | 70 | NA | 5554009 | 60 | NA | $ 455 | $ 643 |
| 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.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: AL 7605-E |
| CPUC Status | Approved |
| CPUC Status Year | 2025 |
| Total Actuals to Date | $ (226) |
| Current Projected Cost | $ (1) |
| In Service Date | 1/27/2026 |
| Project Status | Engineering |
| Original In-Service Date | 5/5/2025 |
| Reason for Change in ISD | Resources |

## 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 a new residential development and road improvement project.

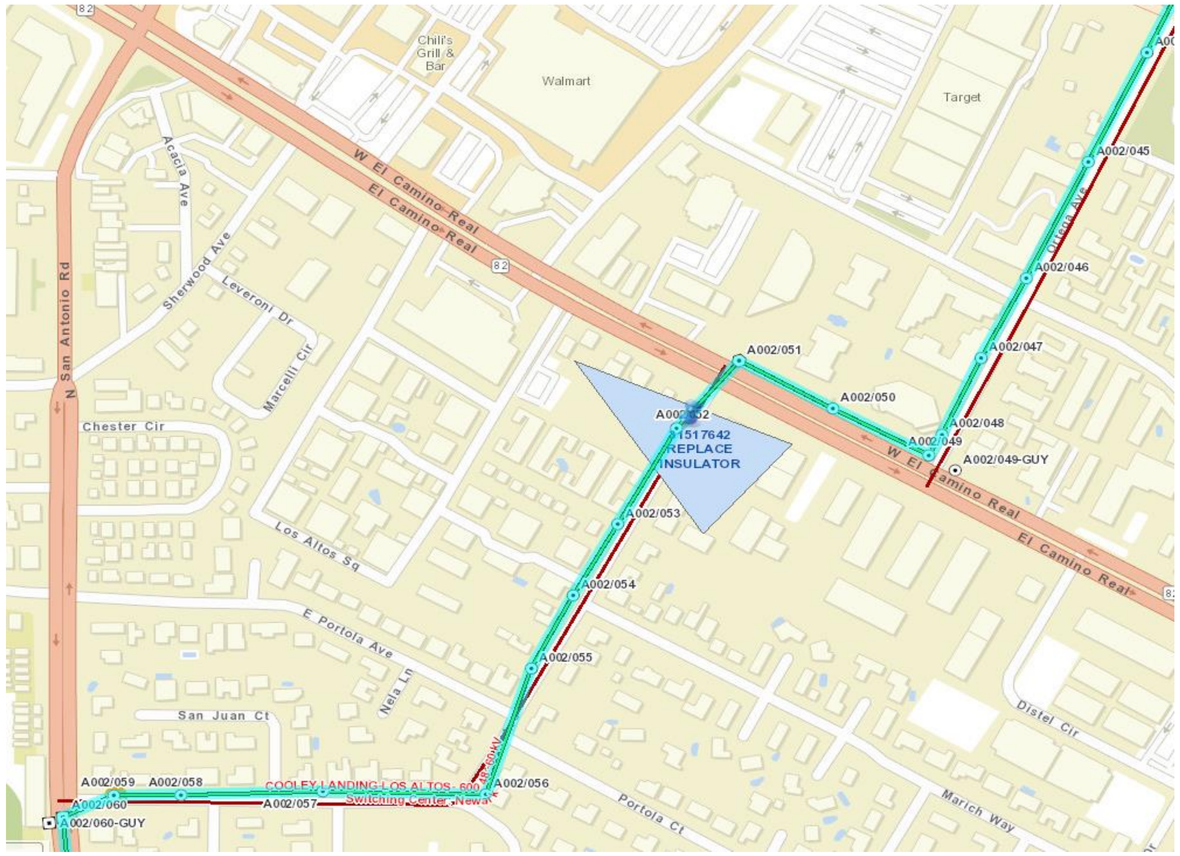
## Project & Permitting Status Updates

Construction Start: 01/20/26
CPUC Date Filed: 05/23/25

| Actual 2025 | ITD | Projected 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | EAC |
|---|---|---|---|---|---|---|---|---|---|
| $79 | **-$226** | $28 | $196 | $0 | $0 | $0 | $0 | $0 | **-$1** |
| -6211% | | -2216% | -15348% | 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 | 1/27/2026 | $ (226) | $ (1) |




*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 | | 2022 |
| CAISO Year | | NA |
| CPUC Filling Type | | NOC: AL 7634-E |
| CPUC Status | | Approved |
| CPUC Status Year | | 2025 |
| Total Actuals to Date | $ | 1,138 |
| Current Projected Cost | $ | (201) |
| In Service Date | | 1/12/2026 |
| Project Status | | Engineering |
| Original In-Service Date | | 5/31/2024 |
| Reason for Change in ISD | | Prioritization |

| Actual 2025 | ITD | Projected 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | EAC |
|---|---|---|---|---|---|---|---|---|---|
| $179 | **$1,138** | $606 | -$1,945 | $0 | $0 | $0 | $0 | $0 | **-$201** |
| -89% | | -302% | 970% | 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 | 1/12/2026 | $ 1,138 | $ (201) |

## 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.

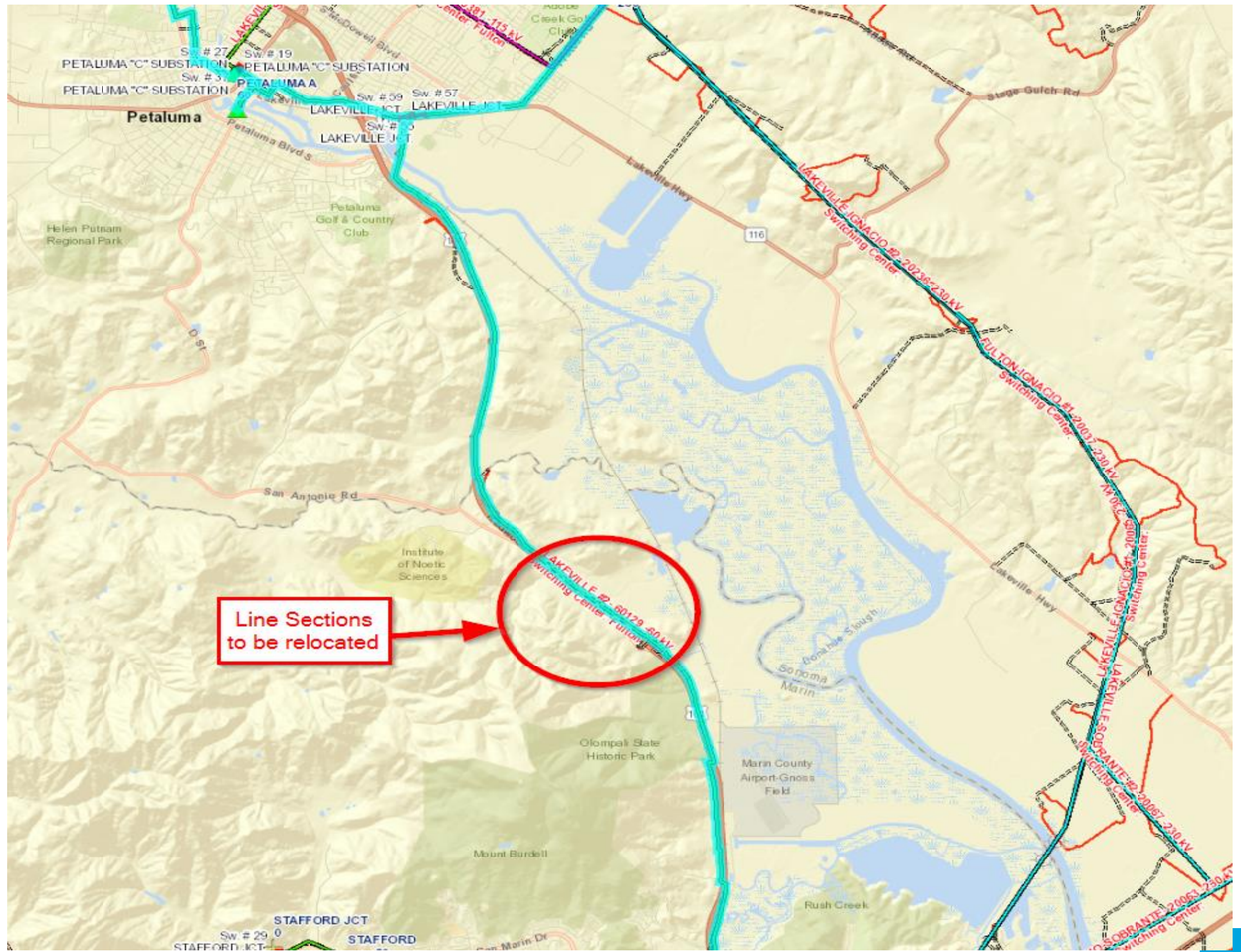
Entity Initiating Project: Third Party
Distribution Components: Underbuild

## 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: 10/14/25
CPUC Date Filed: 07/03/25




*Note: All dollar figures represented in the 000s

# T.0009604 - Momentum 230/21kV Substation

## Project Details

| | |
|---|---|
| County | Placer |
| Year of BC Approval | 2025 |
| CAISO Year | NA |
| CPUC Filling Type | NOC: AL 7636-E |
| CPUC Status | Approved |
| CPUC Status Year | 2025 |
| Total Actuals to Date | $ 4,846 |
| Current Projected Cost | $ 64,276 |
| In Service Date | 11/21/2028 |
| Project Status | Engineering |
| Original In-Service Date | 12/29/2028 |
| Reason for Change in ISD | NA |

| Actual 2025 | ITD | Projected 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | EAC |
|---|---|---|---|---|---|---|---|---|---|
| $1,823 | **$4,846** | $948 | $14,111 | $34,902 | $9,163 | $306 | $0 | $0 | **$64,276** |
| 3% | | 1% | 22% | 54% | 14% | 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 |
|---|---|---|---|---|---|---|---|---|---|
| INSTALL MOMENTUM BANK 2 | Load Growth | New Substation | NA | 230 kV | 5811154 | 46 | 11/21/2028 | $ 176 | $ 9,387 |
| MOMENTUM SUB: 230KV BAAH | Load Growth | New Substation | NA | 230 kV | 5808038 | 61 | 12/21/2027 | $ 623 | $ 11,002 |
| RIO OSO GOLD HILL MOMENTUM SUB TLINE WRK | Load Growth | New T-Line | 230 | NA | 5808004 | 60 | 12/21/2027 | $ 72 | $ 5,390 |
| MOMENTUM SUBSTATION:DIST FDR WORK | Load Growth | New T-Line | NA | NA | 5807645 | 6 | 11/5/2027 | $ 33 | $ 10,193 |
| MOMENTUM: INSTALL 230/21KV 75 MVA TXFMR | Load Growth | New Substation | NA | 230 kV | 5807358 | 46 | 12/21/2027 | $ 3,896 | $ 25,654 |
| MOMENTUM: UPGRADE GOLD HILL REMOTE END | Load Growth | Line Termination | NA | 230 kV | 5560144 | 61 | 10/29/2027 | $ 23 | $ 1,324 |
| MOMENTUM: UPGRADE RIO OSO REMOTE END | Load Growth | Line Termination | NA | 230 kV | 5560143 | 61 | 10/29/2027 | $ 23 | $ 1,325 |

## Project Description

This project will install a new substation on a 11 acre parcel being purchased in 2024. The project includes a 230kV breaker-and-a-half transmission bus, one 75MVA distribution transformer, three 21kV feeders, and work needed to loop in the 230kV transmission line into the station. The three new 21 kV underground distribution feeders will serve the residential and industrial load to prevent and prevent the overloads at Pleasant Grove substation.

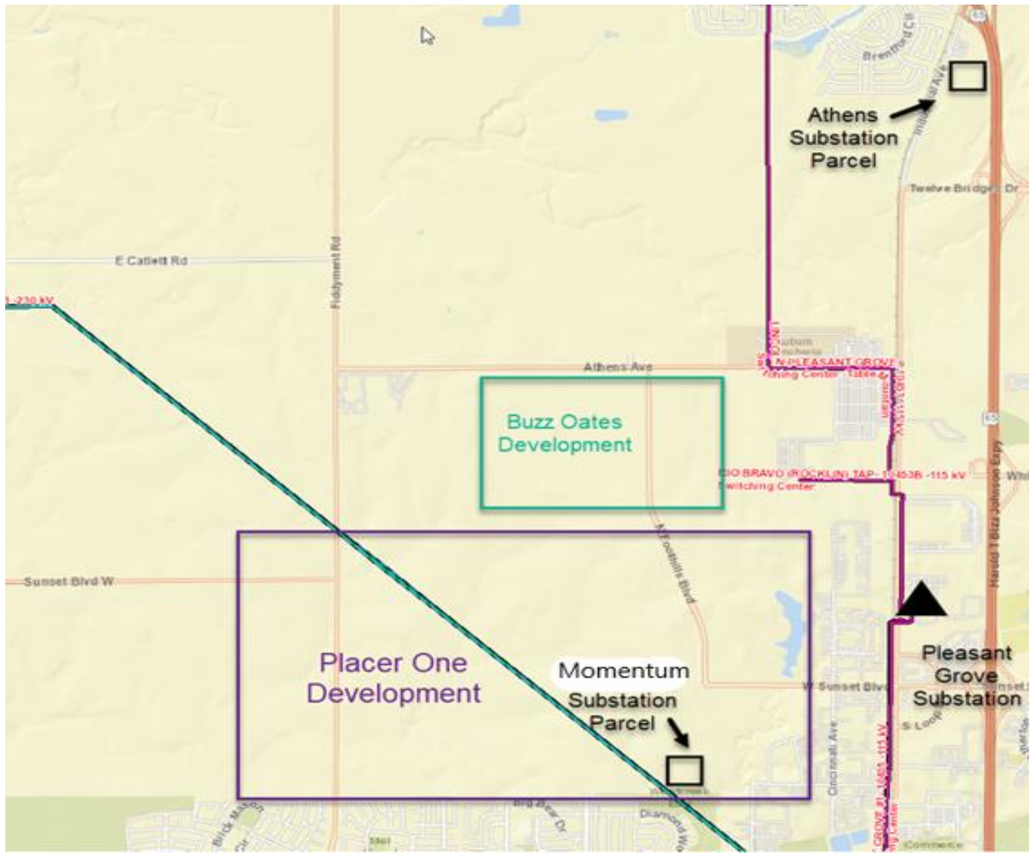
Entity Initiating Project: PG&E
Distribution Components: New Substation

## Project Need

To eliminate the deficiency and provide surplus distribution capacity to meet growing demand by installing two 230/21kV (75 MVA) distribution transformers at Momentum Substation(greenfield).

## Project & Permitting Status Updates

Construction Start: 02/17/27
CPUC Date Filed: 07/03/25




*Note: All dollar figures represented in the 000s

# T.0011035 - IGNACIO - MARE ISLD TWR REP PHASE 4

## Project Details

| | |
|---|---|
| County | Napa |
| Year of BC Approval | 2025 |
| CAISO Year | NA |
| CPUC Filling Type | NOC AL-7650-E |
| CPUC Status | Approved |
| CPUC Status Year | 2025 |
| Total Actuals to Date | $ 4,831 |
| Current Projected Cost | $ 49,867 |
| In Service Date | 12/22/2025 |
| Project Status | Engineering |
| Original In-Service Date | 1/15/2026 |
| Reason for Change in ISD | NA |

| Actual 2025 | ITD | Projected 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | EAC |
|---|---|---|---|---|---|---|---|---|---|
| $4,601 | **$4,831** | $40,990 | $4,047 | $0 | $0 | $0 | $0 | $0 | **$49,867** |
| 9% | | 82% | 8% | 0% | 0% | 0% | 0% | 0% | |

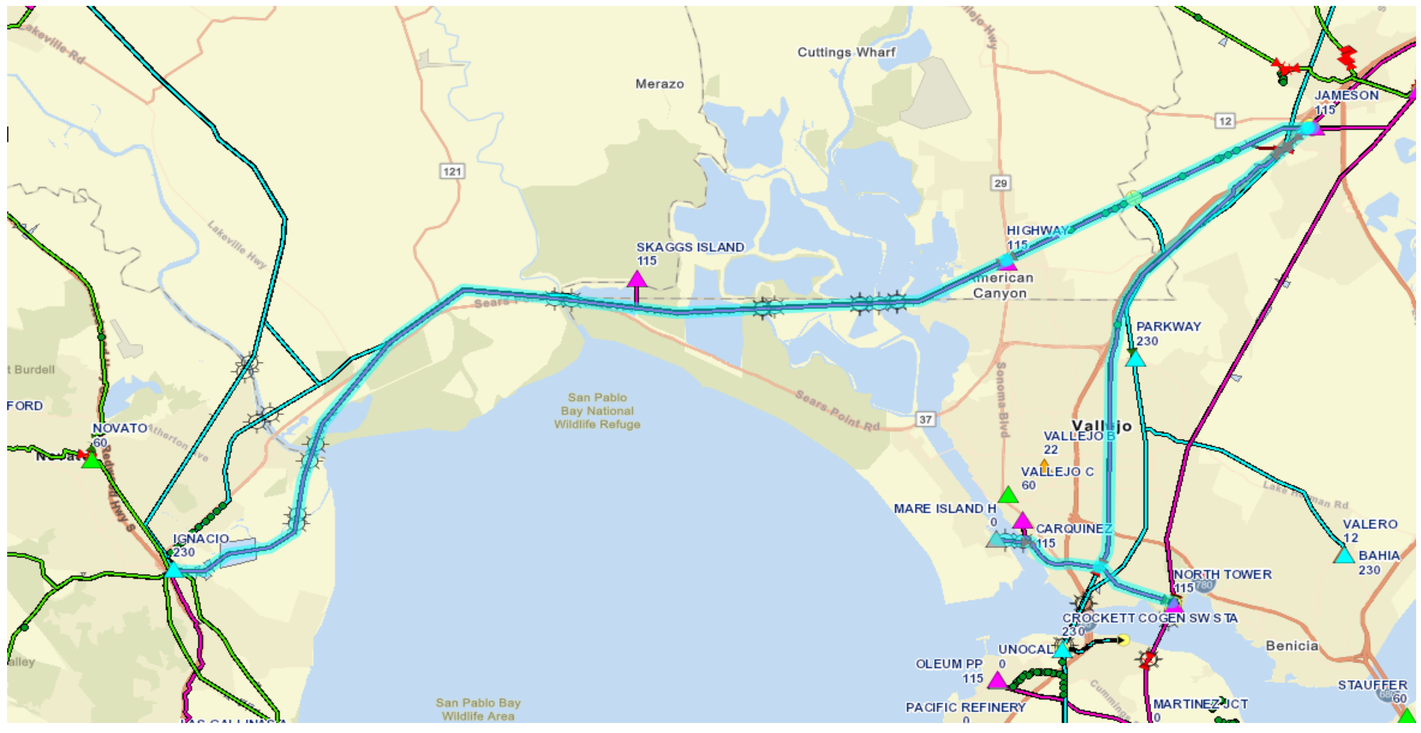
## Order Details

| 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 TWR REPL PHASE 4 | Asset Condition | Replace Steel Poles | 115 | NA | 5801467 | 70 | 12/22/2025 | $ 4,831 | $ 49,867 |

## Project Description

Replace 15 lattice steel structures, install 1 cage extension, and reconductor 16 spans 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 15 towers and modification of 1 tower in the 2025 scope of this program 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: 11/18/25
CPUC Date Filed: 07/17/25

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

*Note: All dollar figures represented in the 000s

# T.0009383 - Q1949- Darden-GenSite SS Los Banos Gates

## Project Details

| | |
|---|---|
| County | Kings |
| Year of BC Approval | 2025 |
| CAISO Year | 2023 |
| CPUC Filling Type | NOC: AL 7656-E |
| CPUC Status | Approved |
| CPUC Status Year | 2025 |
| Total Actuals to Date | $ 1,985 |
| Current Projected Cost | $ 209,455 |
| In Service Date | 11/18/2030 |
| Project Status | Engineering |
| Original In-Service Date | 8/1/2028 |
| Reason for Change in ISD | Scope Change |

| Actual 2025 | ITD | Projected 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | EAC |
|---|---|---|---|---|---|---|---|---|---|
| $1,348 | **$1,985** | $2,546 | $20,190 | $23,505 | $5,645 | $154,970 | $758 | $22 | **$209,455** |
| 1% | | 1% | 10% | 11% | 3% | 74% | 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 |
|---|---|---|---|---|---|---|---|---|---|
| Q1949 DARDEN (NU) 500KV T-LINE | WRO | Generation Interconnection | 500 | NA | 5809671 | 82 | 6/23/2027 | $ 325 | $ 9,437 |
| Q1949 DARDEN (NU) OPGW T-LINE | WRO | Generation Interconnection | 500 | NA | 5805808 | 82 | 5/11/2026 | $ 627 | $ 20,692 |
| Q1949 DARDEN (NU) GATES SUB | WRO | Generation Interconnection | NA | 500 kV | 5805806 | 82 | 12/12/2029 | $ 69 | $ 36,586 |
| Q1949 DARDEN (NU LOS BANOS SUB DTT | WRO | Generation Interconnection | NA | 500 kV | 5805805 | 82 | 12/12/2029 | $ 112 | $ 1,597 |
| Q1949 DARDEN (NU) MIDWAY SUB DTT | WRO | Generation Interconnection | NA | 500 kV | 5805804 | 82 | 12/12/2029 | $ 178 | $ 32,673 |
| Q1949 DARDEN (NU) SS OVERSIGHT | WRO | Generation Interconnection | NA | 500 kV | 5805802 | 82 | 12/12/2029 | $ 639 | $ 10,393 |
| Q1949 DARDEN (DA) SS OVERSIGHT | WRO | Generation Interconnection | NA | 500 kV | 5805801 | 82 | 12/12/2029 | $ 3 | $ (128) |
| Q1949 DARDEN (DA) GEN-SITE | WRO | Generation Interconnection | NA | 500 kV | 5805800 | 82 | 11/18/2030 | $ 33 | $ 5 |
| Q1949 DARDEN (NU) SS BUYBACK | WRO | Generation Interconnection | NA | 500 kV | 5554012 | 82 | 12/12/2029 | $ - | $ 98,200 |
| Q1949 DARDEN (DA) METER | WRO | Generation Interconnection | NA | 500 kV | 5553828 | 82 | 12/12/2029 | $ - | $ 0 |

## Project Description

The Interconnection Customer (IC) plans to install the generation plant with a maximum net output of 1150MW to the CAISO Controlled Grid. The Point of Interconnection (POI) of the project, shall be new customer built switching station in Fresno County, California. The solar project proposes to construct a new 500kV switching station with 2 initial bays, install 5-500kV circuit breakers, 1 MPAC building, build a new 500kV transmission line loop-in for the Los Banos - Midway #2, build a new Darden - Los Banos 500kV Line, build a new Darden - Midway 500kV line.

Entity Initiating Project: Third Party
Distribution Components: NA

## Project Need

This project will connect the proposed 1,150 Megawatts (MW) of Battery Energy Storage (BESS) and solar photovoltaic (PV) generation facility to a new 500kV Harlan Switching Station

## Project & Permitting Status Updates

Construction Start: 02/13/26
CPUC Date Filed: 07/30/25


*Note: All dollar figures represented in the 000s

# T.0000007 - Vaca Dixon Area Reinforcement Project

## Project Details

| | |
|---|---|
| County | Solano |
| Year of BC Approval | 2024 |
| CAISO Year | 2011 |
| CPUC Filling Type | NOC: AL 7542-E \| PTC: A.24-06-008 |
| CPUC Status | Approved \| Filed and |
| CPUC Status Year | 2025 \| TBD |
| Total Actuals to Date | $ 7,420 |
| Current Projected Cost | $ 41,379 |
| In Service Date | 4/30/2027 |
| Project Status | Engineering |
| Original In-Service Date | 12/1/2023 |
| Reason for Change in ISD | Prioritization |

| Actual 2025 | ITD | Projected 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | EAC |
|---|---|---|---|---|---|---|---|---|---|
| $2,445 | **$7,420** | $6,830 | $20,468 | $6,446 | $216 | $0 | $0 | $0 | **$41,379** |
| 6% | | 17% | 49% | 16% | 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 |
|---|---|---|---|---|---|---|---|---|---|
| PLAINFIELD SUB - RELOCATE TSPS | Reliability | System Design Upgrade | 60 | NA | 5785807 | 60 | 4/6/2027 | $ 852 | $ 6,704 |
| PLAINFIELD: INSTALL TWO CAP BANKS | Reliability | Voltage Support | NA | 60 kV | 5766696 | 61 | 4/30/2027 | $ 4,255 | $ 29,597 |
| RERATE WOODLAND - DAVIS T-LINE | Reliability | Line Reconductoring | 115 | NA | 5766694 | 60 | 12/1/2025 | $ 2,260 | $ 4,169 |
| WOODLAND: 115KV LINE TERMINAL UPDATE | Reliability | Line Termination | 115 | NA | 5560779 | 61 | 12/19/2025 | $ 8 | $ 87 |
| DAVIS: 115KV LINE TERMINAL UPDATE | Reliability | Line Termination | 115 | NA | 5560573 | 61 | 12/19/2025 | $ 12 | $ 91 |
| PLAINFIELD: AQUIRE LAND | Reliability | New Substation | NA | NA | 5554308 | 61 | 12/31/2025 | $ 32 | $ 732 |

## 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

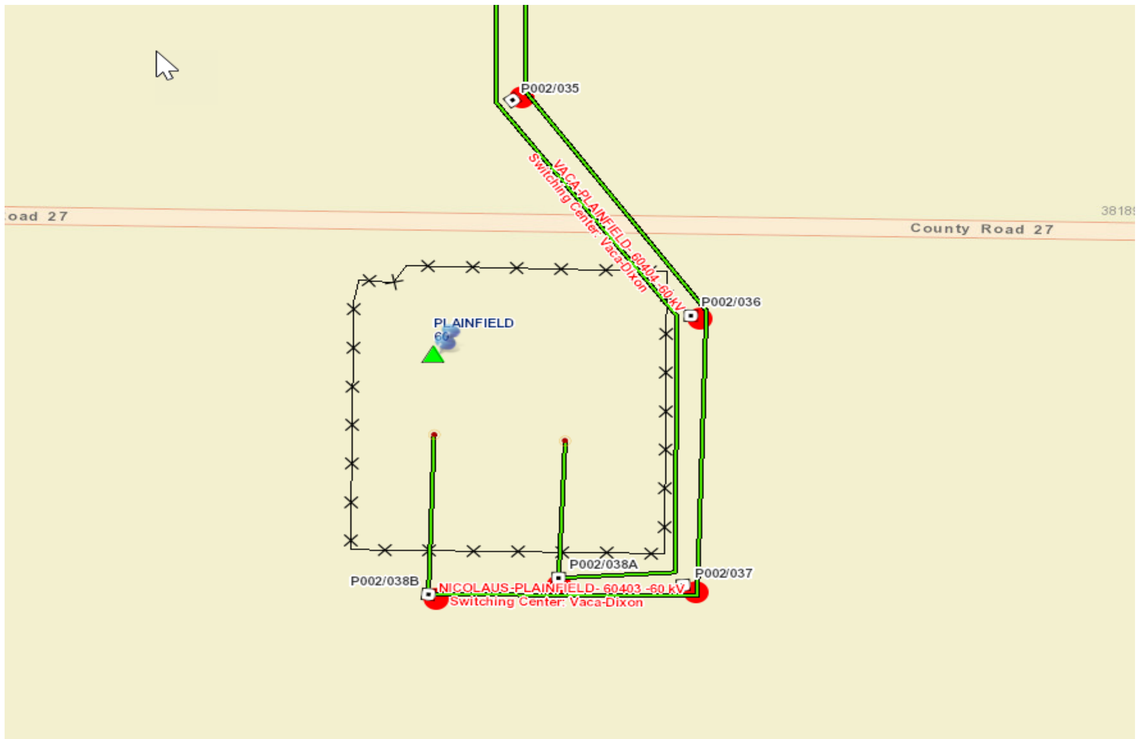
## Project Need

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: 10/09/25
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
PO 5766694 (Woodland-Davis) – NOC filed 3/12/25, effective 4/18/25




*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 Filling Type | CPCN: A.23-09-001 |
| CPUC Status | Filed and Under Review |
| CPUC Status Year | TBD |
| Total Actuals to Date | $ 22,686 |
| Current Projected Cost | $ 139,512 |
| In Service Date | 11/28/2029 |
| Project Status | Engineering |
| Original In-Service Date | 3/1/2017 |
| Reason for Change in ISD | Prioritization |

| Actual 2025 | ITD | Projected 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | EAC |
|---|---|---|---|---|---|---|---|---|---|
| $1,168 | **$22,686** | $1,204 | $5,293 | $21,212 | $44,470 | $39,751 | $4,892 | $3 | **$139,512** |
| 1% | | 1% | 4% | 15% | 32% | 28% | 4% | 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 | 11/26/2029 | $ 326 | $ 24,938 |
| 230 KV TLINE LOCKEFORD - NEW INDUSTRIAL | Reliability | New T-Line | 230 | NA | 5767239 | 60 | 11/28/2029 | $ 19,468 | $ 51,692 |
| LOOP IN BRIGHTON-BELLOTA INTO LOCKEFORD | Reliability | System Design Upgrade | 230 | NA | 5767209 | 60 | 11/9/2029 | $ 1,490 | $ 28,086 |
| NEW 230 KV INDUSTRIAL SWITCHING STATION | Reliability | New Substation | NA | 230 kV | 5767188 | 61 | 7/9/2029 | $ 1,401 | $ 34,796 |

## 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

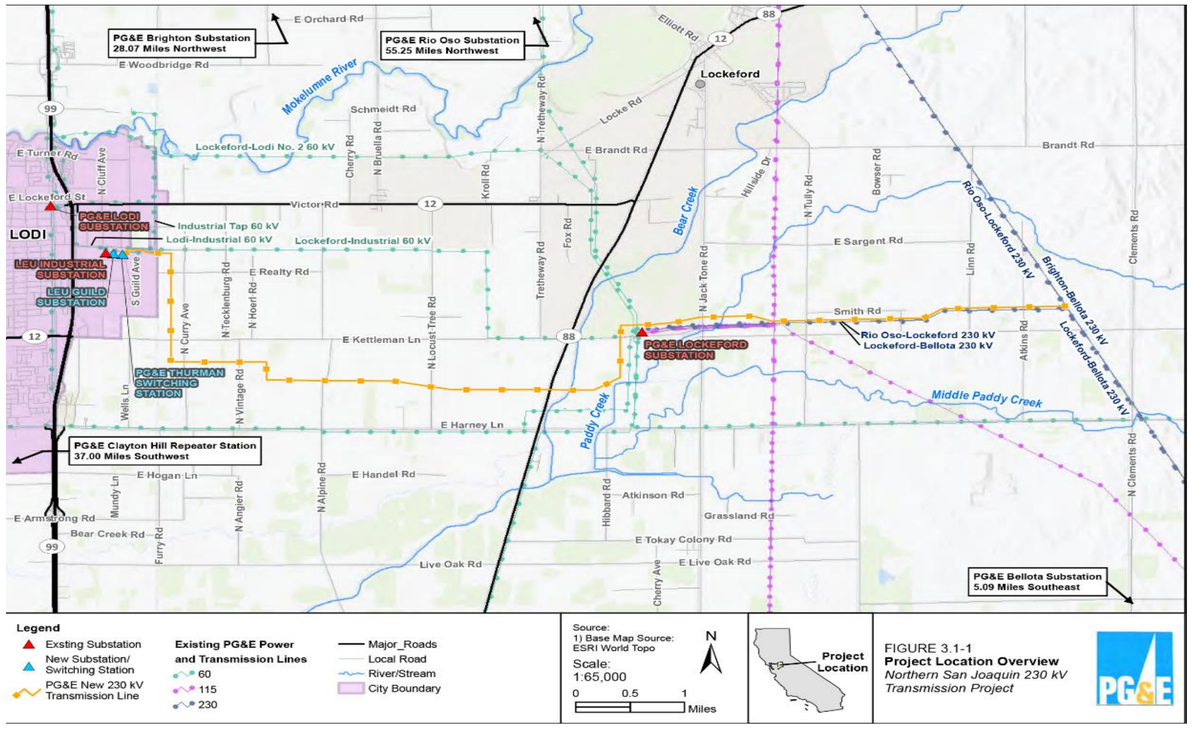
## Project Need

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.

## Project & Permitting Status Updates

Construction Start: 02/07/29
CPUC Date Filed: 09/01/23

Final EIR posted by CPUC on 8/12/25. Scoping Ruling filed by the CPUC's assigned Commissioner, extending statutory deadline for this proceeding from March 31, 2026 to October 30, 2026. 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.0009169 - Metcalf HVDC Interconnection Project

## Project Details

| | |
|---|---|
| County | Santa Clara |
| Year of BC Approval | 2024 |
| CAISO Year | 2022 |
| CPUC Filling Type | NOC: AL 7391-E |
| CPUC Status | Filed and Under Review |
| CPUC Status Year | TBD |
| Total Actuals to Date | $ 28,431 |
| Current Projected Cost | $ 531,575 |
| In Service Date | 6/28/2030 |
| Project Status | Engineering |
| Original In-Service Date | 6/1/2030 |
| Reason for Change in ISD | NA |

## 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

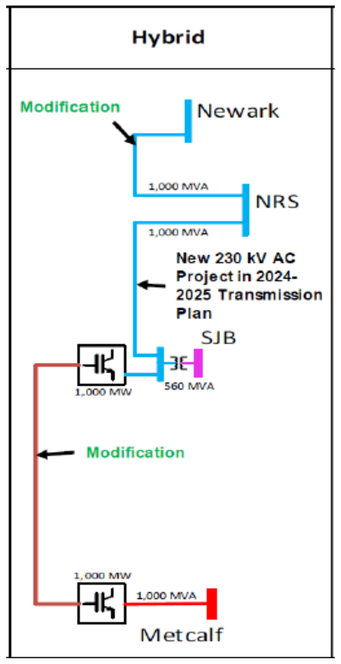
Construction Start: 12/17/25
CPUC Date Filed: 10/10/24

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

| Actual 2025 | ITD | Projected 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | EAC |
|---|---|---|---|---|---|---|---|---|---|
| $11,702 | **$28,431** | $29,449 | $166,942 | $108,261 | $80,450 | $82,484 | $35,058 | $500 | **$531,575** |
| 2% | | 6% | 31% | 20% | 15% | 16% | 7% | 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 |
|---|---|---|---|---|---|---|---|---|---|
| METCALF -MORGAN HILL SECURITY FENCE | Reliability | Substation Capacity | NA | NA | 5815774 | 61 | 2/17/2026 | $ 42 | $ 875 |
| SAN JOSE B 230KV GIS | Reliability | Bus Upgrade | NA | 230 kV | 5813144 | 61 | 6/28/2030 | $ 31 | $ 148,620 |
| TLSUP:SAN JOSE B SUB RELOCATE MAINL P1 | Reliability | T-Line Capacity | NA | NA | 5810781 | 6 | 3/2/2026 | $ 1,851 | $ 6,431 |
| TLSUP_METCALF LS POWER FIBER RELOCATION | Reliability | T-Line Capacity | NA | NA | 5810185 | 6 | 6/17/2030 | $ 24 | $ 2,046 |
| TLSUP_SAN JOSE B SUB RELOC MAINLINE PH2 | Reliability | T-Line Capacity | NA | NA | 5810184 | 6 | 1/26/2026 | $ 416 | $ 4,497 |
| SAN JOSE B - HVDC - SAN JOSE A RE | Reliability | Substation Capacity | NA | 115 kV | 5807758 | 61 | 12/30/2027 | $ 83 | $ 992 |
| SAN JOSE B - HVDC - TRIMBLE RE | Reliability | Substation Capacity | NA | 115 kV | 5807739 | 61 | 12/30/2027 | $ 26 | $ 962 |
| SAN JOSE B - HVDC CONNECTION - TLINE | Reliability | T-Line Capacity | 115 | NA | 5806625 | 60 | 12/30/2027 | $ 105 | $ 7,863 |
| SAN JOSE B - HVDC CONNECTION | Reliability | Substation Capacity | NA | 115 kV | 5804789 | 61 | 12/30/2027 | $ 22,991 | $ 228,917 |
| METCALF - 500KV HVDC CONNECTION | Reliability | Substation Capacity | NA | 500 kV | 5804788 | 61 | 12/30/2027 | $ 2,838 | $ 123,677 |
| SAN JOSE B HVDC LAND ACQ | Reliability | Substation Capacity | NA | NA | 5559139 | 61 | NA | $ - | $ 6,000 |
| SAN JOSE B - HVDC - SOUTH TRANSITION RE | Reliability | Substation Capacity | NA | 115 kV | 5555161 | 61 | 12/30/2027 | $ 11 | $ 376 |
| SAN JOSE B - HVDC - NORTH TRANSITION RE | Reliability | Substation Capacity | NA | 115 kV | 5555160 | 61 | 12/30/2027 | $ 14 | $ 318 |




*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 Filling Type | PTC: A. 24-11-005 |
| CPUC Status | Filed and Under Review |
| CPUC Status Year | TBD |
| Total Actuals to Date | $ 21,321 |
| Current Projected Cost | $ 274,539 |
| In Service Date | 12/30/2030 |
| Project Status | Engineering |
| Original In-Service Date | 7/31/2025 |
| Reason for Change in ISD | Prioritization |

| Actual 2025 | ITD | Projected 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | EAC |
|---|---|---|---|---|---|---|---|---|---|
| $1,748 | **$21,321** | $1,489 | $2,623 | $3,228 | $6,014 | $95,295 | $116,132 | $27,298 | **$274,539** |
| 1% | | 1% | 1% | 1% | 2% | 35% | 42% | 10% | |

## 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 | 12/30/2030 | $ 7,703 | $ 116,904 |
| MORAGA-OAKLAND X 115KV #1&2 RECOND | Asset Condition | Replace Conductor | 115 | NA | 5793947 | 93 | 12/30/2030 | $ 11,579 | $ 128,482 |
| MORAGA SUB: 115KV TERMINAL UPGRADES | Reliability | Substation Reliability | NA | 115 kV | 5789522 | 61 | 12/30/2030 | $ 284 | $ 13,259 |
| OAKLAND X SUB: 115KV BUS UPGRADE | Reliability | Substation Reliability | NA | 115 kV | 5789521 | 61 | 12/30/2030 | $ 482 | $ 14,276 |
| MORAGA-OAKLAND X 115KV LINES 1-4 LAND | Asset Condition | Replace Conductor | 115 | NA | 5551684 | 93 | 12/30/2030 | $ 1,273 | $ 1,617 |

## 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: 05/01/29
CPUC Date Filed: 11/15/24

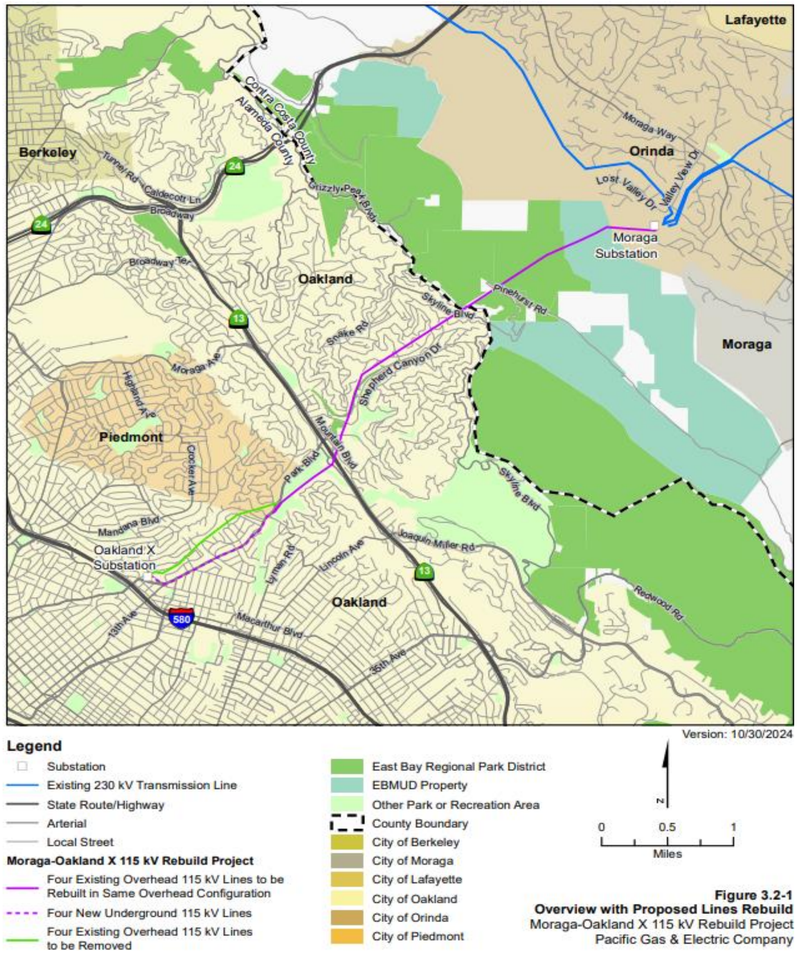



**Figure 3.2-1**
**Overview with Proposed Lines Rebuild**
Moraga-Oakland X 115 kV Rebuild Project
Pacific Gas & Electric Company

*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 Filling Type | NOC: AL 7687-E |
| CPUC Status | Filed & Under Review |
| CPUC Status Year | TBD |
| Total Actuals to Date | $ 3,558 |
| Current Projected Cost | $ 57,345 |
| In Service Date | 10/14/2026 |
| Project Status | Engineering |
| Original In-Service Date | TBD |
| Reason for Change in ISD | NA |

## 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: Fiber

## Project Need

The Interconnection Customer (IC) has requested PG&E to serve the proposed data center.The IC 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.

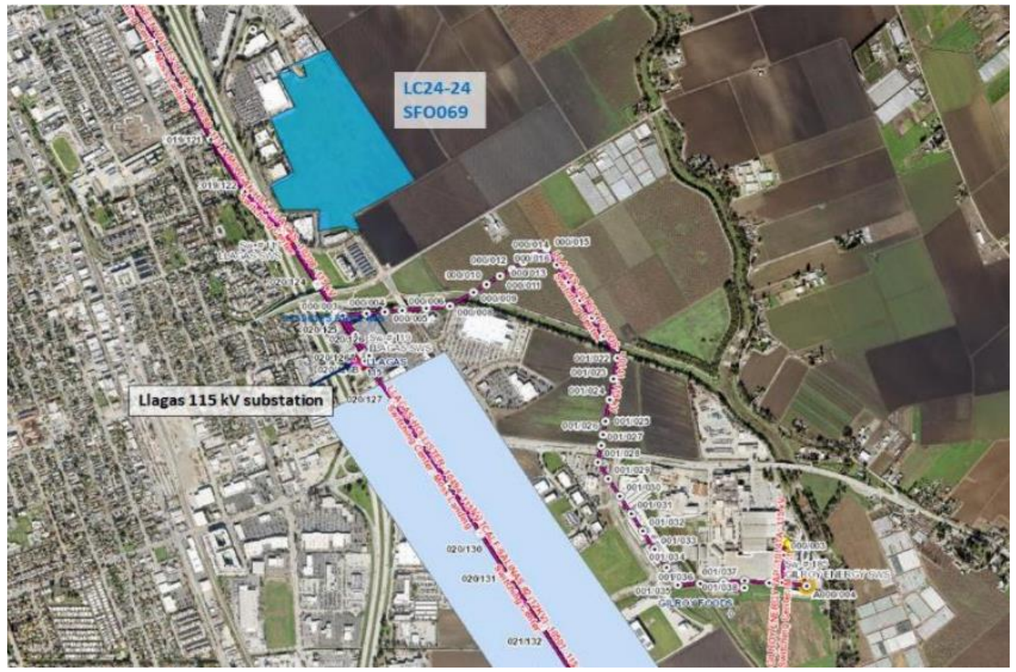
## Project & Permitting Status Updates

Construction Start: 11/06/25
CPUC Date Filed: 08/29/25

| Actual 2025 | ITD | Projected 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | EAC |
|---|---|---|---|---|---|---|---|---|---|
| $2,165 | **$3,558** | $4,401 | $48,370 | $1,016 | $0 | $0 | $0 | $0 | **$57,345** |
| 4% | | 8% | 84% | 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 |
|---|---|---|---|---|---|---|---|---|---|
| AWS SFO69: DIRECT ASSIGNMENT | WRO | Load Interconnection | NA | 115 kV | 5800026 | 82 | 10/14/2026 | $ 230 | $ 1,391 |
| AWS SFO69: LLAGAS REMOTE END | WRO | Load Interconnection | NA | 115 kV | 5800025 | 82 | 7/13/2026 | $ 1,050 | $ 9,018 |
| AWS SFO69: MORGAN HILL RE | WRO | Load Interconnection | NA | 115 kV | 5800024 | 82 | 7/10/2026 | $ 449 | $ 5,294 |
| AWS SFO69: GARLIC 115KV SS | WRO | Load Interconnection | NA | 115 kV | 5799024 | 82 | 10/14/2026 | $ 842 | $ 30,650 |
| AWS SFO69: ARROYO 115KV T-LINES | WRO | Load Interconnection | 115 | NA | 5560042 | 82 | 10/14/2026 | $ 25 | $ 25 |
| AWS SFO69: METERING | WRO | Load Interconnection | NA | 115 kV | 5557503 | 82 | 10/14/2026 | $ 182 | $ 880 |
| EP L005 AWS MORGAN HILL FIBER INSTALL | WRO | Load Interconnection | NA | NA | 5557259 | 10 | 12/23/2025 | $ 55 | $ 808 |
| EP L005 AWS LLAGAS FIBER INSTALL | WRO | Load Interconnection | NA | NA | 5557240 | 10 | 12/12/2025 | $ 78 | $ 1,998 |
| AWS SFO69: MH-LLAGAS 115KV LOOP | WRO | Load Interconnection | 115 | NA | 5547567 | 82 | 6/30/2026 | $ 558 | $ 6,119 |
| AWS GILROY: LAND ACQUISITION | WRO | Load Interconnection | NA | 115 kV | 5547486 | 82 | NA | $ 89 | $ 1,164 |




*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 Filling Type | NOC | |
| CPUC Status | TBD | |
| CPUC Status Year | TBD | |
| Total Actuals to Date | $ | 257 |
| Current Projected Cost | $ | 450 |
| In Service Date | 1/5/2026 | |
| Project Status | Engineering | |
| Original In-Service Date | 12/15/2024 | |
| Reason for Change in ISD | Customer Action | |

## 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: 12/05/25
CPUC Date Filed: Expected 2025 Q4

| Actual 2025 | ITD | Projected 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | EAC |
|---|---|---|---|---|---|---|---|---|---|
| $90 | **$257** | $149 | $44 | $0 | $0 | $0 | $0 | $0 | **$450** |
| 20% | | 33% | 10% | 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 NO. 2 60KV POLE RELO | WRO | Facility Relocation | 60 | NA | 5551181 | 82 | 1/5/2026 | $ 257 | $ 450 |


*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 | $ | 205 |
| Current Projected Cost | $ | 407 |
| In Service Date | 1/26/2026 | |
| Project Status | Engineering | |
| Original In-Service Date | 11/3/2020 | |
| 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: 01/08/26
CPUC Date Filed: Expected 2025 Q4

| Actual 2025 | ITD | Projected 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | EAC |
|---|---|---|---|---|---|---|---|---|---|
| $78 | **$205** | $55 | $557 | $0 | $0 | $0 | $0 | $0 | **$407** |
| 19% | | 13% | 137% | 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 | 1/26/2026 | $ 205 | $ 407 |


*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 | $ | 1,612 |
| Current Projected Cost | $ | (18,011) |
| In Service Date | | 3/16/2028 |
| Project Status | | Engineering |
| Original In-Service Date | | TBD |
| 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.

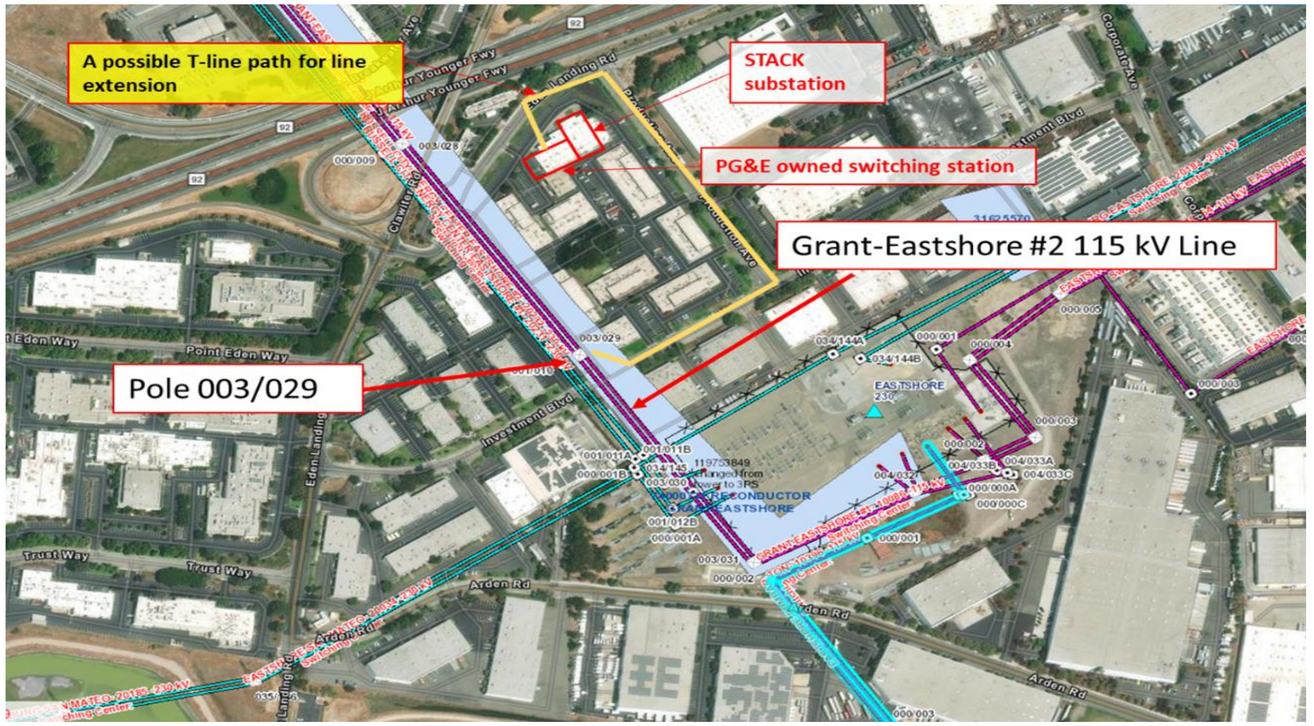
## Project & Permitting Status Updates

Construction Start: 02/06/26
CPUC Date Filed: Expected 2025 Q4

| Actual 2025 | ITD | Projected 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | EAC |
|---|---|---|---|---|---|---|---|---|---|
| $741 | **$1,612** | $1,425 | $3,016 | -$11,069 | -$12,994 | $0 | $0 | $0 | **-$18,011** |
| -4% | | -8% | -17% | 61% | 72% | 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 |
|---|---|---|---|---|---|---|---|---|---|
| CUSTOMER SUBSTATION 115 KV T-LINE | WRO | Load Interconnection | 115 | NA | 5813950 | 82 | 1/31/2028 | $ 1 | $ 1,032 |
| EDEN LANDING INSTALL T-LINE | WRO | Load Interconnection | 115 | NA | 5807592 | 82 | 3/2/2028 | $ 583 | $ 3,153 |
| EDEN LANDING INSTALL GIS | WRO | Load Interconnection | NA | 115 kV | 5807505 | 82 | 3/16/2028 | $ 264 | $ (25,919) |
| EDEN LANDING METERING | WRO | Load Interconnection | NA | 115 kV | 5554927 | 82 | NA | $ 10 | $ 74 |
| EDEN LANDING DIRECT ASSIGNMENT | WRO | Load Interconnection | NA | 115 kV | 5554926 | 82 | 10/29/2027 | $ 110 | $ 430 |
| GRANT REMOTE END UPGRADE | WRO | Load Interconnection | NA | 115 kV | 5554925 | 82 | 3/16/2028 | $ 296 | $ 1,606 |
| EASTSHORE REMOTE END UPGRADE | WRO | Load Interconnection | NA | 115 kV | 5554924 | 82 | 3/16/2028 | $ 348 | $ 1,613 |




*Note: All dollar figures represented in the 000s

# T.0009194 - Manning New 500kV Sub Connection

## Project Details

| | | |
|---|---|---|
| County | | Fresno |
| Year of BC Approval | | 2024 |
| CAISO Year | | 2022 |
| CPUC Filling Type | | NOC |
| CPUC Status | | TBD |
| CPUC Status Year | | TBD |
| Total Actuals to Date | $ | 10,890 |
| Current Projected Cost | $ | 243,960 |
| In Service Date | | 5/26/2028 |
| Project Status | | Engineering |
| Original In-Service Date | | 1/1/2028 |
| Reason for Change in ISD | | NA |

## Project Description

PG&E scope of work: loop the Los Banos – Gates #1, and Los Banos – Midway # 2 500kV lines into the new 500kV Manning substation; loop the two Panoche – Tranquility 230kV lines; reconductor the two Manning – Tranquility 230kV lines; modify the Gates 500kV Series Capacitor Banks 1&2 reactance; upgrading the Tranquility 230kV terminals; upgrade Panoche 230kV bus section D to BAAH and replace overstressed breakers in bus section E.

Entity Initiating Project: CAISO
Distribution Components: N/A

## Project Need

This project will support connection of a new 500kV substation between Los Banos and Gates substations to the PG&E electric system. The new 500kV substation, to be installed by LS Power, is needed to address overloads on the Borden-Storey 230kV lines and allow for the advancement of renewable generation within the Westlands / San Joaquin area. This project will support LS Power's new 500kV substation connection to the PG&E transmission system

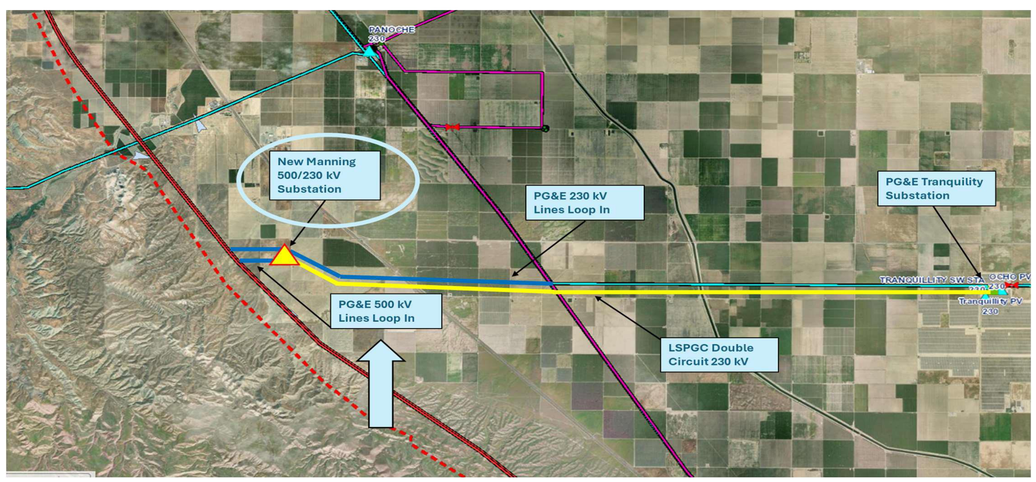
## Project & Permitting Status Updates

Construction Start: 05/01/26
CPUC Date Filed: Expected 2025 Q4

| Actual 2025 | ITD | Projected 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | EAC |
|---|---|---|---|---|---|---|---|---|---|
| $3,505 | **$10,890** | $6,376 | $136,807 | $72,259 | $17,627 | $0 | $0 | $0 | **$243,960** |
| 1% | | 3% | 56% | 30% | 7% | 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 |
|---|---|---|---|---|---|---|---|---|---|
| MANNING SUB - PANOCHE ENG CENTR | Policy | Substation Capacity | NA | 500 kV | 5809979 | 61 | 4/28/2028 | $ 23 | $ 23 |
| MANNING SUB - LAS AGUILAS SW SUB | Policy | Substation Capacity | NA | 500 kV | 5809978 | 61 | 4/3/2028 | $ 162 | $ 1,950 |
| PANOCHE-EXCELSIOR SW STA #1 & #2 115KV | Policy | T-Line Capacity | 115 | NA | 5809641 | 60 | 11/4/2026 | $ 95 | $ 2,753 |
| MANNING PANOCHE SHOOFLY | Policy | T-Line Capacity | 500 | NA | 5809640 | 60 | 10/29/2027 | $ 199 | $ 2,380 |
| MANNING GATES-PANOCHE #1 & #2 230KV | Policy | T-Line Capacity | 500 | NA | 5809639 | 60 | 3/19/2027 | $ 166 | $ 7,518 |
| MANNING TRANQ POCO MAN-TRANQ#3 | Policy | T-Line Capacity | 500 | NA | 5809623 | 60 | 6/23/2027 | $ 59 | $ 1,475 |
| MANNING SUB: MANNING TELECOM & TESTING | Policy | Substation Capacity | NA | 500 kV | 5809028 | 61 | 3/10/2028 | $ 630 | $ 7,060 |
| Manning: Panoche Sub Replace CB 102, 132 | Reliability | Bus Upgrade | NA | 230 kV | 5808684 | 61 | 4/26/2028 | $ 87 | $ 4,860 |
| MANNING SUB: GATES PROTECTION UPGRADE | Policy | Substation Capacity | NA | 500 kV | 5804878 | 61 | 3/31/2028 | $ 520 | $ 1,734 |
| MANNING SUB: TRANQUILITY BAAH | Policy | New Substation | NA | 500 kV | 5804813 | 61 | 4/3/2028 | $ 1,424 | $ 17,551 |
| RECONDUCTOR 230KV MANNING -TRANQUILITY#1 | Policy | T-Line Capacity | 230 | NA | 5804811 | 60 | 4/30/2027 | $ 1,174 | $ 56,188 |
| MANNING SUB: PANOCHE BAAH | Reliability | Bus Upgrade | NA | 500 kV | 5804806 | 61 | 4/4/2028 | $ 4,162 | $ 84,779 |
| MANNING SUB: MIDWAY PROTECTION UPGRADE | Policy | Substation Capacity | NA | 500 kV | 5804805 | 61 | 4/10/2028 | $ 244 | $ 1,821 |
| MANNING SUB: LOS BANOS PROTECTION UPGRAD | Policy | Substation Capacity | NA | 500 kV | 5804804 | 61 | 4/10/2028 | $ 430 | $ 4,901 |
| LOOP 2 PANOCHE-TRANQ LINES IN MANNING | Policy | T-Line Capacity | 230 | NA | 5804801 | 60 | 5/26/2028 | $ 666 | $ 19,322 |
| LOOP LOS BAN-GATES#1 & LOS BANO-MID#2 | Policy | T-Line Capacity | 500 | NA | 5804800 | 60 | 4/13/2028 | $ 718 | $ 25,014 |
| MANNING SUB_LAND RIGHTS | Policy | Substation Capacity | NA | NA | 5560999 | 60 | 2/2/2027 | $ 132 | $ 4,632 |




*Note: All dollar figures represented in the 000s

# T.0000013 - Coleman - Red Bluff Project

## Project Details

| | | |
|---|---|---|
| County | | Tehama |
| Year of BC Approval | | TBD |
| CAISO Year | | 2011 |
| CPUC Filling Type | | NOC |
| CPUC Status | | TBD |
| CPUC Status Year | | TBD |
| Total Actuals to Date | $ | 5,944 |
| Current Projected Cost | $ | 45,916 |
| In Service Date | | 3/31/2028 |
| 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 |
|---|---|---|---|---|---|---|---|---|---|
| $681 | **$5,944** | $496 | $16,871 | $13,713 | $8,679 | $214 | $0 | $0 | **$45,916** |
| 1% | | 1% | 37% | 30% | 19% | 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 |
|---|---|---|---|---|---|---|---|---|---|
| COLEMAN- RED BLUFF RECONDUCTOR-PHASE II | Reliability | Line Reconductoring | 60 | NA | 5784598 | 60 | 3/31/2028 | $ 701 | $ 19,826 |
| COLEMAN-PH SUBSTATION | Reliability | Line Termination | NA | 230 \| 60 kV | 5766751 | 61 | 3/31/2028 | $ 87 | $ 1,187 |
| COLEMAN-RED BLUFF RECONDUCTOR-PHASE I | Reliability | Line Reconductoring | 60 | NA | 5766750 | 60 | 3/31/2028 | $ 5,156 | $ 24,904 |

## Project Description

The proposed project will replace poles and reconductor approximately 18 miles of the Coleman-Red Bluff 60kV Line. The project scope of work includes the following:

- Reconductor roughly 18 miles of Coleman-Red Bluff 60kV Line with 715 all aluminum conductor (AAC) conductor or equivalent
- Replace roughly 189 existing wood and light duty structures with new structures
- Upgrade terminal equipment to match the new conductor

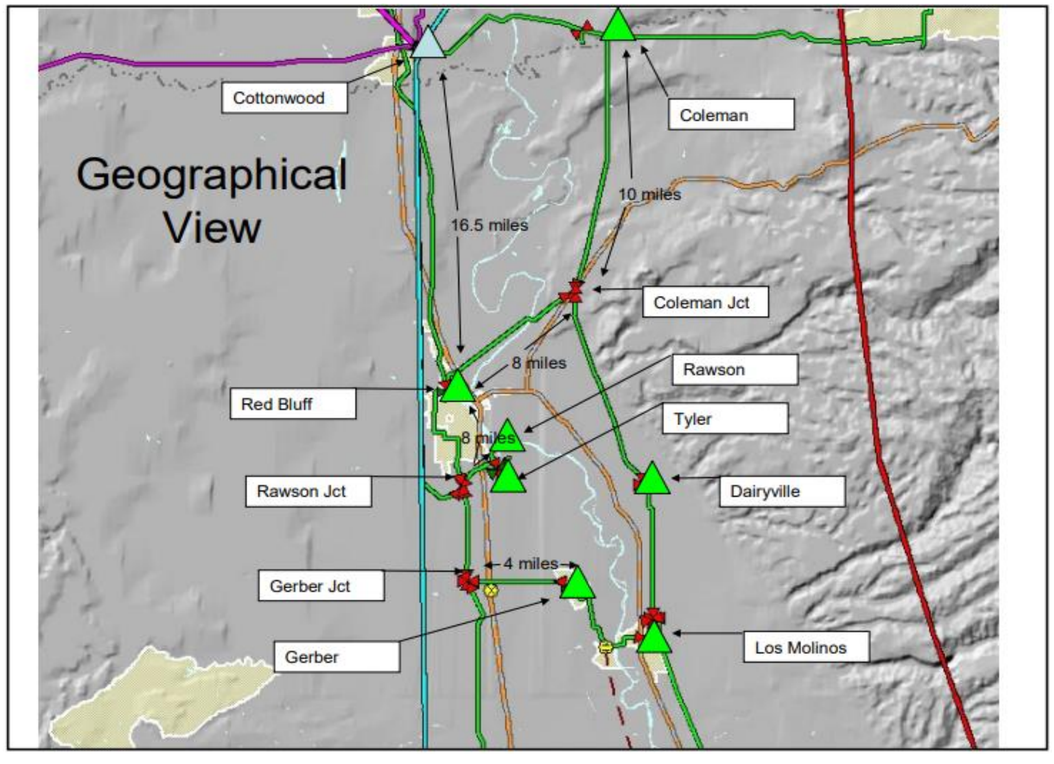
Entity Initiating Project: CAISO
Distribution Components: N/A

## Project Need

The Coleman-Red Bluff 60kV Reconductoring project was approved by CAISO to mitigate overloads caused by single outage contingencies in the area. The project is required to improve electric capacity and capability of serving customers in the area and further strengthen PG&E's infrastructure and reduce wildfire risk

## Project & Permitting Status Updates

Construction Start: 08/03/26
CPUC Date Filed: Expected 2025 Q4




*Note: All dollar figures represented in the 000s

# T.0000434 - KINGSBURG CORCORAN 1 AND 2 115KV NERC

## Project Details

| | | |
|---|---|---|
| County | | Kings |
| Year of BC Approval | | 2018 |
| CAISO Year | | NA |
| CPUC Filling Type | | NOC |
| CPUC Status | | TBD |
| CPUC Status Year | | TBD |
| Total Actuals to Date | $ | 12,669 |
| Current Projected Cost | $ | 60,688 |
| In Service Date | | 3/31/2027 |
| Project Status | | Engineering |
| Original In-Service Date | | 3/31/2022 |
| Reason for Change in ISD | | Prioritization |

| Actual 2025 | ITD | Projected 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | EAC |
|---|---|---|---|---|---|---|---|---|---|
| $1,150 | **$12,669** | $1,564 | $36,786 | $9,670 | $0 | $0 | $0 | $0 | **$60,688** |
| 2% | | 3% | 61% | 16% | 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 |
|---|---|---|---|---|---|---|---|---|---|
| KINGSBURG CORCORAN 1 AND 2 115KV NERC | Asset Condition | NERC Compliance - GO 95 | 115 | NA | 5767509 | 93 | 3/31/2027 | $ 12,669 | $ 60,688 |

## Project Description

Reconductor 26.1 miles on the Kingsburg-Corcoran #1 circuit and 27.1 miles on the Kingsburg-Corcoran #2 circuit, replace 157 LSPs with 130 new design LSPs and 27 new Tubular Steel Poles (TSPs)

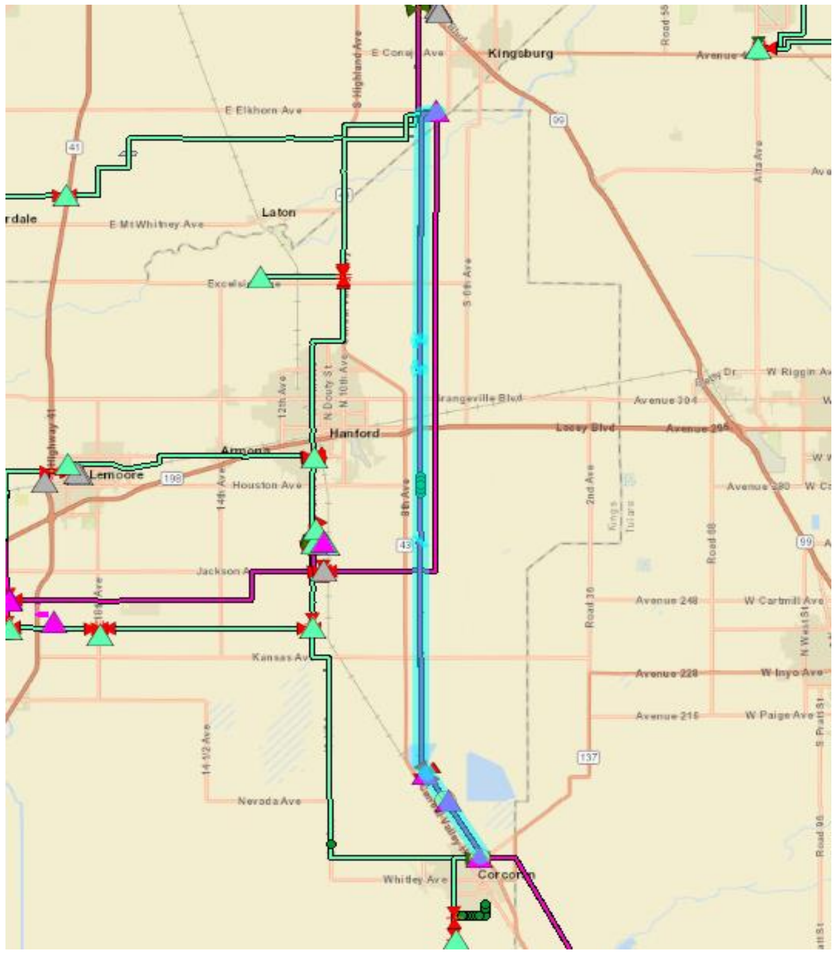
Entity Initiating Project: PG&E
Distribution Components: N/A

## Project Need

The Kingsburg-Corcoran #1 & #2 115kV circuits were analyzed as part of the 2011 Priority 1 NERC Assessment. The analysis consisted of LiDAR surveying and PLS CADD modeling to identify non-compliant spans. The completed analysis identified 153 of the 199 spans (77%) with clearance issues on the Kingsburg-Corcoran #1 and 139 of the 200 spans (70%) with clearance issues on the Kingsburg-Corcoran #2 electric transmission lines. The Kingsburg-Corcoran #1 and #2 115kV NERC project will address the above discrepancies and return the line back to compliance.

## Project & Permitting Status Updates

Construction Start: 11/01/26
CPUC Date Filed: Expected 2025 Q4




*Note: All dollar figures represented in the 000s

# T.0008749 - Weber-Mormon Jct Reconductor

## Project Details

| | | |
|---|---|---|
| County | | San Joaquin |
| Year of BC Approval | | TBD |
| CAISO Year | | 2022 |
| CPUC Filling Type | | NOC |
| CPUC Status | | TBD |
| CPUC Status Year | | TBD |
| Total Actuals to Date | $ | 745 |
| Current Projected Cost | $ | 12,291 |
| In Service Date | | 4/22/2027 |
| Project Status | | Engineering |
| Original In-Service Date | | 5/1/2027 |
| Reason for Change in ISD | | NA |

| Actual 2025 | ITD | Projected 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | EAC |
|---|---|---|---|---|---|---|---|---|---|
| $357 | **$745** | $511 | $7,363 | $3,609 | $64 | $0 | $0 | $0 | **$12,291** |
| 3% | | 4% | 60% | 29% | 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 |
|---|---|---|---|---|---|---|---|---|---|
| WEBER-MORMON JCT RECONDUCTOR | Reliability | Line Reconductoring | 60 | NA | 5803222 | 60 | 4/22/2027 | $ 745 | $ 12,291 |


## 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: 12/15/26
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 | | 2015 |
| CAISO Year | | 2014 |
| CPUC Filling Type | | PTC |
| CPUC Status | | TBD |
| CPUC Status Year | | TBD |
| Total Actuals to Date | $ | 22,903 |
| Current Projected Cost | $ | 353,787 |
| In Service Date | | 6/22/2033 |
| 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

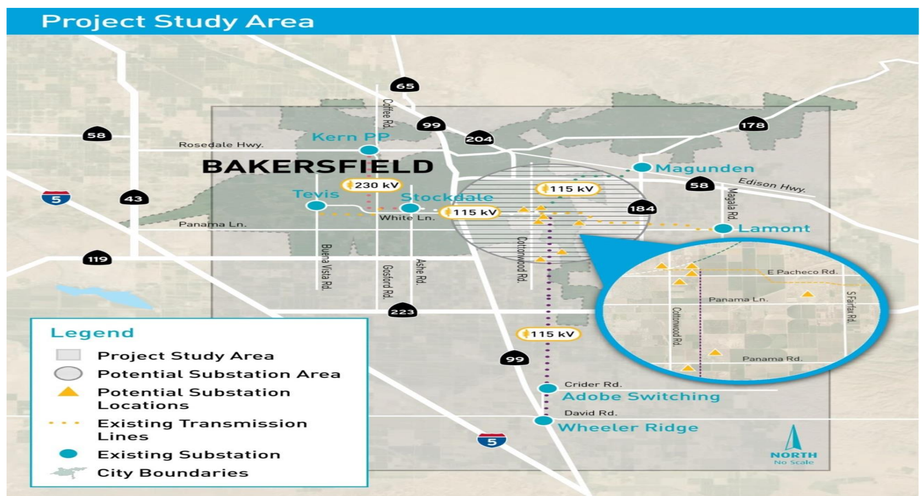
Construction Start: 03/01/28
CPUC Date Filed: Expected 2026 Q1

Pre-filing occurred in September 2025

| Actual | | Projected | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 2025 | ITD | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | EAC |
| $1,886 | **$22,903** | $1,870 | $6,481 | $14,521 | $41,171 | $85,284 | $73,631 | $65,677 | **$353,787** |
| 1% | | 1% | 2% | 4% | 12% | 24% | 21% | 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 |
|---|---|---|---|---|---|---|---|---|---|
| W R -WEEDPATCH (9/119 - WR) | Reliability | T-Line Capacity | 70 | NA | 5773278 | 60 | 12/1/2032 | $ 23 | $ 2,619 |
| STOCKDALE 230KV SUBSTATION - AMPACITY AN | Reliability | Substation Capacity | NA | 230 kV | 5771739 | 61 | 4/16/2032 | $ 691 | $ 39,553 |
| KERN PP 230KV SUBSTATION - RELAY UPGRADE | Reliability | Substation Capacity | NA | 230 kV | 5771738 | 61 | 4/24/2030 | $ 18 | $ 2,244 |
| WHEELER RIDGE 230KV STATION - NEW BAY | Reliability | Substation Capacity | NA | 230 kV | 5771737 | 61 | 3/11/2033 | $ 117 | $ 7,493 |
| ADOBE 115KV STATION - LINE & RELAY UPGRA | Reliability | Substation Capacity | NA | 115 kV | 5771736 | 61 | 3/31/2033 | $ 8 | $ 736 |
| LAMONT 115KV SUBSTATION - RELAY UPGRADE | Reliability | Substation Capacity | NA | 115 kV | 5771734 | 61 | 3/7/2033 | $ 38 | $ 1,205 |
| KERN PP 115KV SUBSTATION - RELAY UPGRADE | Reliability | Substation Capacity | NA | 115 kV | 5771733 | 61 | 12/28/2029 | $ 43 | $ 1,050 |
| RECONDUCTOR STOCKDALE_MAGUNDEN 115KV | Reliability | T-Line Capacity | 115 | NA | 5767237 | 60 | 6/22/2033 | $ 36 | $ 1,917 |
| RECONDUCTOR KERN PP_STOCKDALE 230KV | Reliability | New T-Line | 230 \| 115 | NA | 5767236 | 60 | 12/1/2032 | $ 315 | $ 21,424 |
| VOLTAGE UPGRADE STOCKDALE_ LAMONT 115KV | Reliability | T-Line Capacity | 115 | NA | 5767235 | 60 | 12/1/2032 | $ 161 | $ 26,306 |
| VLTG UPG WR SS_WRJ CASA LOMA_115KV TO 23 | Reliability | T-Line Capacity | 115 | NA | 5767234 | 60 | 7/30/2030 | $ 225 | $ 44,534 |
| WRJ NONCOMPETITIVE_CPUC LIC/PER | Reliability | T-Line Capacity | 230 \| 115 | NA | 5767233 | 60 | 12/8/2027 | $ 16,317 | $ 21,009 |
| WRJ COMPETITIVE_CPUC LIC/PER | Reliability | Substation Capacity | NA | 230 \| 115 kV | 5767232 | 61 | 3/31/2033 | $ 3,518 | $ 7,457 |
| CASA LOMA JCT SUBST_COMPETITIVE | Reliability | New Substation | NA | 230 \| 115 kV | 5767215 | 61 | 3/2/2033 | $ 813 | $ 101,142 |
| CASA LOMA JUNCTION SUBSTATION | Reliability | New Substation | NA | 230 \| 115 kV | 5767199 | 61 | 3/1/2033 | $ 579 | $ 73,289 |
| PURCHASE LAND FOR NEW SUB - NON-COMP | Reliability | New Substation | NA | 230 \| 115 kV | 5523423 | 61 | NA | $ - | $ 405 |
| PURCHASE LAND FOR NEW SUBSTATION - COMP | Reliability | New Substation | NA | 230 \| 115 kV | 5523422 | 61 | 3/8/2030 | $ 0 | $ 405 |




*Note: All dollar figures represented in the 000s

# T.0010903 - L0015 Rue Ferrari Large Load

## Project Details

| | | |
|---|---|---|
| County | | Santa Clara |
| Year of BC Approval | | TBD |
| CAISO Year | | NA |
| CPUC Filling Type | | NOC (5814132)<br>NOC (5815152) |
| CPUC Status | | TBD |
| CPUC Status Year | | TBD |
| Total Actuals to Date | $ | 526 |
| Current Projected Cost | $ | 210,512 |
| In Service Date | | 4/1/2030 |
| 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 |
|---|---|---|---|---|---|---|---|---|---|
| $526 | **$526** | $950 | $49,733 | $37,460 | $33,219 | $76,988 | $11,153 | $483 | **$210,512** |
| 0% | | 0% | 24% | 18% | 16% | 37% | 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 |
|---|---|---|---|---|---|---|---|---|---|
| L0015 RUE FERRARI T-LINE TEMP SERVICE | WRO | Load Interconnection | 115 | NA | 5815152 | 82 | 1/14/2027 | $ 43 | $ 2,355 |
| L0016 SILVER CREEK T-LINE TEMP SERVICE | WRO | Load Interconnection | 115 | NA | 5815151 | 82 | 8/21/2028 | $ - | $ 44,805 |
| L0015 EVERGREEN REMOTE END TEMP | WRO | Load Interconnection | NA | 115 kV | 5814794 | 82 | 9/29/2026 | $ 1 | $ 791 |
| L0015 METCALF REMOTE END TEMP | WRO | Load Interconnection | NA | 115 kV | 5814793 | 82 | 9/29/2026 | $ 1 | $ 790 |
| 74065333_L0015 METCALF REMOTE END | WRO | Load Interconnection | NA | 115 kV | 5814471 | 82 | 3/26/2030 | $ 3 | $ 1,215 |
| 74065334_L0015 EVERGREEN REMOTE END | WRO | Load Interconnection | NA | 115 kV | 5814470 | 82 | 3/26/2030 | $ 3 | $ 1,191 |
| L0015_16 HELLYER NEW SW STA (Refund) | WRO | Load Interconnection | NA | 115 kV | 5814133 | 82 | 4/1/2030 | $ 144 | $ 59,776 |
| 74064643_L0015 RUE FERRRARI T-LINE | WRO | Load Interconnection | 115 | NA | 5814132 | 82 | 9/28/2029 | $ 241 | $ 41,421 |
| 74064644_L0015 RUE FERRARI CUST SUB TEMP | WRO | Load Interconnection | NA | 115 kV | 5814131 | 82 | 6/1/2027 | $ 22 | $ 511 |
| 74064646_L0016 SILVER CREEK T-LINE | WRO | Load Interconnection | 115 | NA | 5814128 | 82 | 12/27/2029 | $ 34 | $ 40,338 |
| L0016 SILVER CREEK CUST SUB MAIN | WRO | Load Interconnection | NA | 115 kV | 5814127 | 82 | 6/25/2027 | $ 16 | $ 550 |
| 74065623_L0015_16 HELLYER LAND ACQUIS | WRO | Load Interconnection | NA | NA | 5561439 | 82 | 9/30/2026 | $ 17 | $ 16,769 |

## 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: NA

## Project Need

The Interconnection Customer (“IC), has signed Preliminary Engineering Study (PES) with Pacific Gas and Electric Company (PG&E) for LC24-13 (“Project”) to interconnect a data center load to PG&E’s Transmission system.

## Project & Permitting Status Updates

Construction Start: 05/26/26

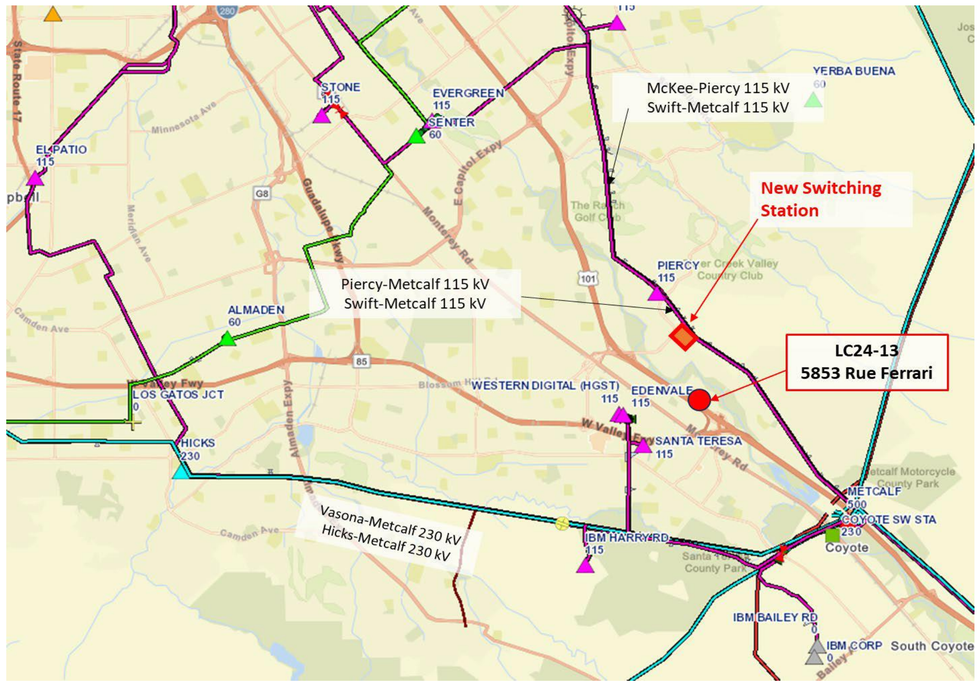
CPUC Date Filed:

Expected 2027 Q1

(5814132)

Expected 2026 Q1 NOC

(5815152)




*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 Filling Type | | NOC |
| CPUC Status | | TBD |
| CPUC Status Year | | TBD |
| Total Actuals to Date | $ | 1,746 |
| Current Projected Cost | $ | 42,187 |
| In Service Date | | 7/6/2027 |
| 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 |
|---|---|---|---|---|---|---|---|---|---|
| $1,285 | **$1,746** | $2,430 | $27,388 | $10,387 | $236 | $0 | $0 | $0 | **$42,187** |
| 3% | | 6% | 65% | 25% | 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 |
|---|---|---|---|---|---|---|---|---|---|
| L0006_APPLIED MATERIALS SW STA Ph 1 (DA) | WRO | Load Interconnection | NA | 115 kV | 5814795 | 82 | 1/8/2026 | $ 20 | $ 13 |
| L0006_BRITTON SUB PROTECTION UPGRADE | WRO | Load Interconnection | NA | 115 kV | 5810601 | 82 | 4/29/2027 | $ 61 | $ 2,155 |
| L0006_MONTA VISTA PROTECTION UPGRADE | WRO | Load Interconnection | NA | 115 kV | 5810599 | 82 | 7/6/2027 | $ 65 | $ 1,673 |
| L0006_NEWARK SUB PROTECTION UPGRADE | WRO | Load Interconnection | NA | 115 kV | 5810598 | 82 | 4/1/2027 | $ 72 | $ 1,992 |
| L0006_LOCKHEED #2 PROTECTION UPGRADE | WRO | Load Interconnection | NA | 115 kV | 5810528 | 82 | 6/4/2027 | $ 341 | $ 15,938 |
| L0006_LOCKHEED #1 PROTECTION UPGRADE | WRO | Load Interconnection | NA | 115 kV | 5810527 | 82 | 3/8/2027 | $ 81 | $ 8,029 |
| L0006_APPLIED MAT SW STA PROT Ph 2 | WRO | Load Interconnection | NA | 115 kV | 5810526 | 82 | 4/29/2027 | $ 232 | $ 10,106 |
| L0006_APPLIED MATERIALS SW STA PH 1 | WRO | Load Interconnection | NA | 115 kV | 5809176 | 82 | 5/19/2026 | $ 874 | $ 2,282 |

## 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

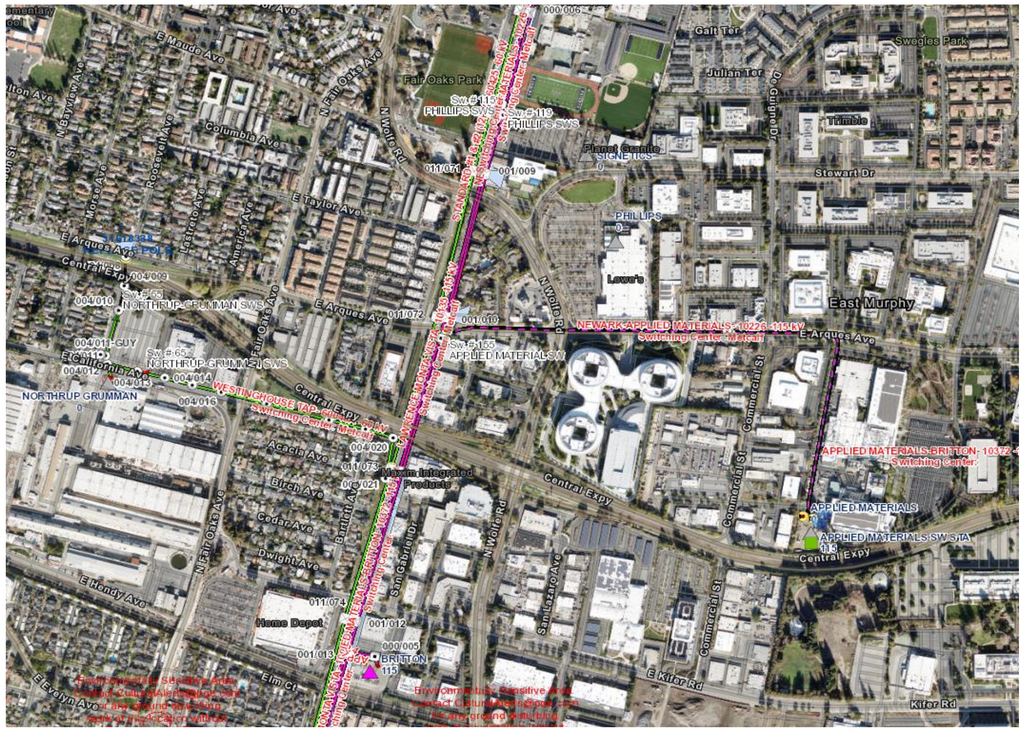
## Project Need

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: 10/07/25
CPUC Date Filed:
Expected 2026 Q2
(Phase 2)

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




*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 Filling Type | | NOC |
| CPUC Status | | TBD |
| CPUC Status Year | | TBD |
| Total Actuals to Date | $ | 347 |
| Current Projected Cost | $ | 41,795 |
| In Service Date | | 7/27/2027 |
| Project Status | | Engineering |
| Original In-Service Date | | 6/1/2027 |
| Reason for Change in ISD | | NA |

| Actual 2025 | ITD | Projected 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | EAC |
|---|---|---|---|---|---|---|---|---|---|
| $347 | **$347** | $1,053 | $9,619 | $28,965 | $830 | $471 | $511 | $0 | **$41,795** |
| 1% | | 3% | 23% | 69% | 2% | 1% | 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 |
|---|---|---|---|---|---|---|---|---|---|
| L0017 - DIRECT ASSIGNMENT CUSTOMER SUBST | WRO | Load Interconnection | NA | 115 kV | 5813905 | 82 | 5/24/2027 | $ 42 | $ 1,260 |
| LC24-2 TRANSMISSION LINE | WRO | Load Interconnection | 115 | NA | 5813906 | 82 | 7/27/2027 | $ 160 | $ 31,866 |
| L0017 - REMOTE END LOCKHEED #1 SUBSTATIO | WRO | Load Interconnection | NA | 115 kV | 5813904 | 82 | 5/24/2027 | $ 144 | $ 8,669 |


## 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

Tthe 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: 09/11/26
CPUC Date Filed: Expected 2026 Q2

*Note: All dollar figures represented in the 000s

# T.0009607 - Tulucay-Napa 60kV Line Reconductoring

## 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 | $ | 444 |
| Current Projected Cost | $ | 5,697 |
| In Service Date | | 12/17/2026 |
| Project Status | | Engineering |
| Original In-Service Date | | 12/31/2028 |
| Reason for Change in ISD | | NA |

| Actual 2025 | ITD | Projected 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | EAC |
|---|---|---|---|---|---|---|---|---|---|
| $313 | **$444** | $272 | $4,566 | $416 | $0 | $0 | $0 | $0 | **$5,697** |
| 5% | | 5% | 80% | 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 | $ 444 | $ 5,697 |

## 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 Q2


*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 Filling Type | | NOC |
| CPUC Status | | TBD |
| CPUC Status Year | | TBD |
| Total Actuals to Date | $ | 871 |
| Current Projected Cost | $ | 81,851 |
| In Service Date | | 2/28/2028 |
| 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 |
|---|---|---|---|---|---|---|---|---|---|
| $699 | **$871** | $453 | $21,969 | $18,397 | $40,161 | $0 | $0 | $0 | **$81,851** |
| 1% | | 1% | 27% | 22% | 49% | 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 | 12/16/2026 | $ 38 | $ 624 |
| CORTINA #1 SUB TERMINAL UPGRADES | Reliability | Line Termination | NA | 60 kV | 5811724 | 61 | 1/28/2027 | $ 45 | $ 829 |
| CORTINA 1 RECOND ARBUCKLE TO DUNNIGAN | Reliability | Line Reconductoring | 60 | NA | 5811325 | 60 | 2/28/2028 | $ 273 | $ 38,508 |
| CORTINA #1 RECOND CORTINA TO ARBUCKLE | Reliability | Line Reconductoring | 60 | NA | 5807521 | 60 | 11/30/2026 | $ 515 | $ 41,890 |

## 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.

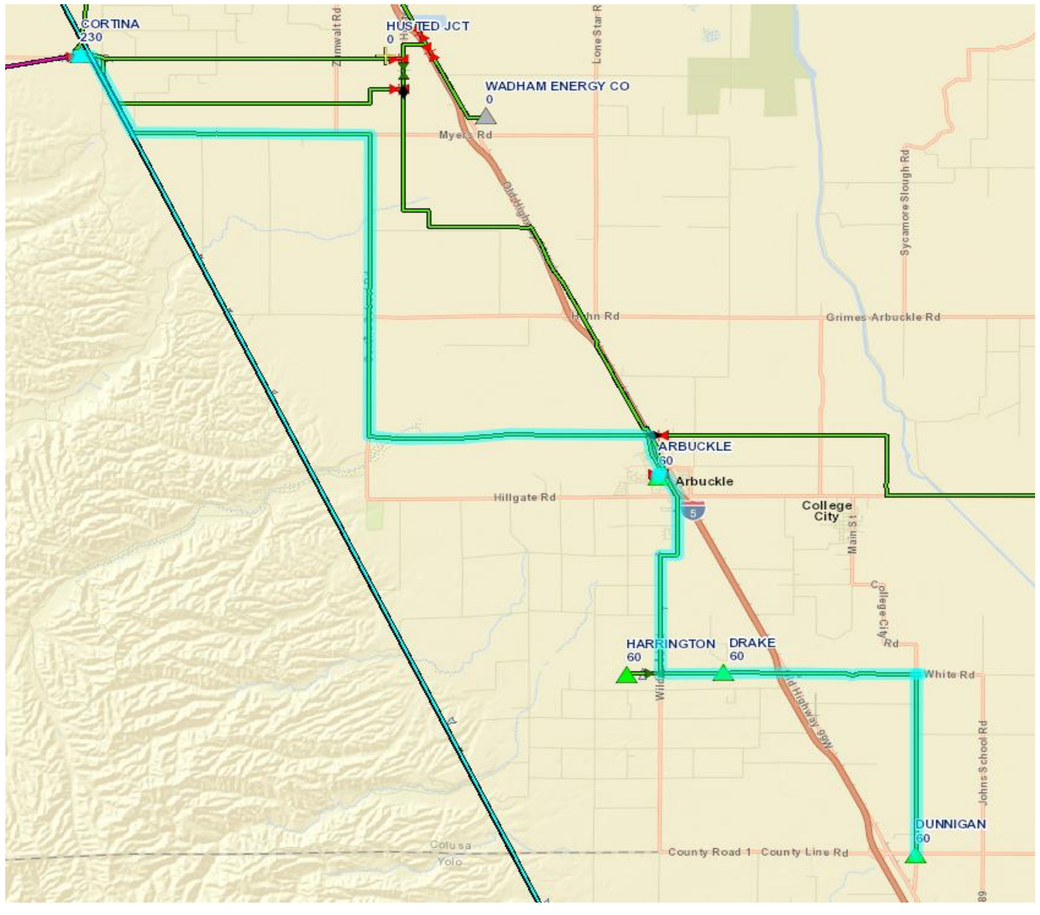
Entity Initiating Project: CAISO
Distribution Components: Underbuild

## 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: 08/17/26
CPUC Date Filed: Expected 2026 Q4




*Note: All dollar figures represented in the 000s