

PUBLIC UTILITIES COMMISSION
505 Van Ness Avenue
San Francisco CA 94102-3298



**Pacific Gas & Electric Company
ELC (Corp ID 39)
Status of Advice Letter 6422E
As of March 2, 2022**

Subject: Amendment No. 1 to Supplement No. 4 and Amendment No. 4 to Supplement No. 2 Under the Master Agreement with the Peninsula Corridor Joint Powers Board Regarding the Peninsula Corridor Electrification Project in Accordance

Division Assigned: Energy

Date Filed: 12-02-2021

Date to Calendar: 12-08-2021

Authorizing Documents: E-4886

Authorizing Documents: E-4811

Disposition:	Accepted
Effective Date:	03-02-2022

PUBLIC UTILITIES COMMISSION
505 Van Ness Avenue
San Francisco CA 94102-3298



Resolution Required: No

Resolution Number: None

Commission Meeting Date: None

CPUC Contact Information:

edtariffunit@cpuc.ca.gov

AL Certificate Contact Information:

Stuart Rubio

415-973-4587

PGETariffs@pge.com

PUBLIC UTILITIES COMMISSION
505 Van Ness Avenue
San Francisco CA 94102-3298



To: Energy Company Filing Advice Letter

From: Energy Division PAL Coordinator

Subject: Your Advice Letter Filing

The Energy Division of the California Public Utilities Commission has processed your recent Advice Letter (AL) filing and is returning an AL status certificate for your records.

The AL status certificate indicates:

- Advice Letter Number
- Name of Filer
- CPUC Corporate ID number of Filer
- Subject of Filing
- Date Filed
- Disposition of Filing (Accepted, Rejected, Withdrawn, etc.)
- Effective Date of Filing
- Other Miscellaneous Information (e.g., Resolution, if applicable, etc.)

The Energy Division has made no changes to your copy of the Advice Letter Filing; please review your Advice Letter Filing with the information contained in the AL status certificate, and update your Advice Letter and tariff records accordingly.

All inquiries to the California Public Utilities Commission on the status of your Advice Letter Filing will be answered by Energy Division staff based on the information contained in the Energy Division's PAL database from which the AL status certificate is generated. If you have any questions on this matter please contact the:

Energy Division's Tariff Unit by e-mail to
edtariffunit@cpuc.ca.gov

December 2, 2021

Advice 6422-E

(Pacific Gas and Electric Company U 39 E)

Public Utilities Commission of the State of California

Subject: Amendment No. 1 to Supplement No. 4 and Amendment No. 4 to Supplement No. 2 Under the Master Agreement with the Peninsula Corridor Joint Powers Board Regarding the Peninsula Corridor Electrification Project in Accordance with General Order 96-B, Section 9.2.3 and Resolution E-4886 and Resolution E-4811

Purpose

Pacific Gas and Electric Company (PG&E or Company) requests approval for these agreements between PG&E and the Peninsula Corridor Joint Powers Board (JPB or Caltrain) for work related to the design and extension of electric transmission facilities to two JPB traction power substations to provide power for the Caltrain Modernization Program (Electrification Project).

The agreements are Amendment No. 1 to Supplement No. 4¹ and Amendment No. 4 to Supplement No. 2 to the Master Agreement between PG&E and JPB (the Master Agreement).² The Master Agreement, Supplement No. 1 and the Amendment to Supplement No. 1 were all approved by the California Public Utilities Commission (CPUC or Commission) in Resolution E-4811, subject to the conditions contained therein. Supplement No. 2 and Supplement No. 5 were approved by the Commission in Resolution E-4830. Supplement No. 3 was approved by the Commission in Resolution E-4886. As required by Ordering Paragraph 9 of Resolution E-4886, PG&E is submitting this additional Supplement for approval by the Commission pursuant to Section 9.2.3 of General Order (G.O.) 96-B, and Section 5.3 (8) of the Energy Industry Rules. PG&E will treat Amendment No. 1 to Supplement No. 4 as effective pending disposition under Section 7.5.3 and Section 9.2.3 of GO 96-B. As required by Ordering Paragraph 3 of Resolution E-4811, PG&E is submitting this Amendment for approval by the Commission pursuant to Section 9.2.3 of General Order (G.O.) 96-B, and Section 5.3 (8) of the Energy Industry Rules.

¹ A copy of Supplement No. 4 Amendment No. 1 is attached as Attachment 1.

² A copy of Supplement No. 2 Amendment No. 4 is attached as Attachment 2.

Background

The background of the Electrification Project is set forth in PG&E's Advice 4853-E and in Resolution E-4811. The Master Agreement, approved in Resolution E-4811 subject to the conditions therein, governs the overall relationship between PG&E and Caltrain with respect to the Electrification Project. Individual scopes of work are or will be addressed in "Supplements" that will set forth the particular scope of work, the authorized dollar amount, and various milestones, deliverables, and respective responsibilities.

Supplement No. 4 Amendment No. 1

Supplement No. 4 governs PG&E's construction, inspection, testing, commissioning, post-construction activities and any remaining engineering, design, and material procurement for required upgrades (improvements) to PG&E's East Grand Substation in South San Francisco and FMC Substation in San Jose. The contract amount of Supplement 4 is \$82,000,000.

Amendment No. 1 to Supplement No. 4 was signed on October 26, 2021 and increases the contract amount up to \$119,916,000. It also replaces Exhibit B-2 with Exhibit B-4.

Supplement No. 2 Amendment No. 4

Supplement No. 2 was approved by Resolution E-4830 with an authorized contract amount of up to \$1,000,000 for PG&E's monitoring of and assistance with Caltrain's work on interties for its two traction power substations, including the scope of environmental review, permit responsibility, and land rights. Amendment No. 1 to Supplement No. 2 increased the authorized contract amount from \$1,000,000 to \$2,800,000. Amendment No. 1 to Supplement No. 2 was executed by JPB and PG&E on April 4, 2018. Amendment No. 2 to Supplement No. 2 addressed the change in the scope of work and increased the authorized contract amount from \$2,800,000 to \$27,800,000. Amendment No. 2 to Supplement No. 2 was executed by JPB and PG&E on March 24, 2020. Amendment No. 3 to Supplement No. 2 addressed the terms regarding certain facilities for the Caltrain intertie project located within Hamline Street.

Amendment No. 4 to Supplement No. 2 was signed on November 24, 2021 and increases the authorized contract amount to \$49,639,000.

Discussion

Supplement No. 4 Amendment No. 1 covers the following:

- Amends the Authorized Amount by increasing it from \$82,000,000 to \$119,916,000.
- Exhibit B-2 of Supplement No. 4 is replaced with Exhibit B-4.

Supplement No. 2 Amendment No. 4 covers the following:

- Amends the Authorized Amount by increasing it from \$27,800,000 to \$49,639,000.

Safety

The actual work performed under these agreements (oversight, design, and construction) presents no specific safety risks to the public or employees. All designs and specifications produced will conform to all current and applicable Commission, industry, and Company safety requirements.

Protests

Anyone wishing to protest this filing may do so by letter sent via U.S. mail, facsimile, or E-mail, no later than **December 22, 2021**, which is 20 days after the date of this filing. Protests must be submitted to:

CPUC Energy Division
ED Tariff Unit
505 Van Ness Avenue, 4th Floor
San Francisco, California 94102

Facsimile: (415) 703-2200
E-mail: EDTariffUnit@cpuc.ca.gov

Copies of protests also should be mailed to the attention of the Director, Energy Division, Room 4004, at the address shown above.

The protest shall also be sent to PG&E either via E-mail or U.S. mail (and by facsimile, if possible) at the address shown below on the same date it is mailed or delivered to the Commission:

Sidney Bob Dietz II
Director, Regulatory Relations
c/o Megan Lawson
Pacific Gas and Electric Company
77 Beale Street, Mail Code B13U
P.O. Box 770000
San Francisco, California 94177

Facsimile: (415) 973-3582
E-mail: PGETariffs@pge.com

Any person (including individuals, groups, or organizations) may protest or respond to an advice letter (General Order 96-B, Section 7.4). The protest shall contain the following information: specification of the advice letter protested; grounds for the protest; supporting



ADVICE LETTER SUMMARY

ENERGY UTILITY



MUST BE COMPLETED BY UTILITY (Attach additional pages as needed)

Company name/CPUC Utility No.: Pacific Gas and Electric Company (U 39 E)

Utility type:

- ELC GAS WATER
 PLC HEAT

Contact Person: Stuart Rubio

Phone #: (415) 973-4587

E-mail: PGETariffs@pge.com

E-mail Disposition Notice to: SHR8@pge.com

EXPLANATION OF UTILITY TYPE

ELC = Electric GAS = Gas WATER = Water
 PLC = Pipeline HEAT = Heat

(Date Submitted / Received Stamp by CPUC)

Advice Letter (AL) #: 6422-E

Tier Designation: 2

Subject of AL: Amendment No. 1 to Supplement No. 4 and Amendment No. 4 to Supplement No. 2 Under the Master Agreement with the Peninsula Corridor Joint Powers Board Regarding the Peninsula Corridor Electrification Project in Accordance with General Order 96-B, Section 9.2.3 and Resolution E-4886 and R

Keywords (choose from CPUC listing): Compliance

AL Type: Monthly Quarterly Annual One-Time Other:

If AL submitted in compliance with a Commission order, indicate relevant Decision/Resolution #: Resolution E-4886 and E-4811

Does AL replace a withdrawn or rejected AL? If so, identify the prior AL: No

Summarize differences between the AL and the prior withdrawn or rejected AL: N/A

Confidential treatment requested? Yes No

If yes, specification of confidential information:

Confidential information will be made available to appropriate parties who execute a nondisclosure agreement. Name and contact information to request nondisclosure agreement/ access to confidential information:

Resolution required? Yes No

Requested effective date: 1/2/22

No. of tariff sheets: 0

Estimated system annual revenue effect (%): N/A

Estimated system average rate effect (%): N/A

When rates are affected by AL, include attachment in AL showing average rate effects on customer classes (residential, small commercial, large C/I, agricultural, lighting).

Tariff schedules affected: N/A

Service affected and changes proposed¹: N/A

Pending advice letters that revise the same tariff sheets: N/A

¹Discuss in AL if more space is needed.

Protests and all other correspondence regarding this AL are due no later than 20 days after the date of this submittal, unless otherwise authorized by the Commission, and shall be sent to:

CPUC, Energy Division
Attention: Tariff Unit
505 Van Ness Avenue
San Francisco, CA 94102
Email: EDTariffUnit@cpuc.ca.gov

Name: Sidney Bob Dietz II, c/o Megan Lawson
Title: Director, Regulatory Relations
Utility Name: Pacific Gas and Electric Company
Address: 77 Beale Street, Mail Code B13U
City: San Francisco, CA 94177
State: California Zip: 94177
Telephone (xxx) xxx-xxxx: (415)973-2093
Facsimile (xxx) xxx-xxxx: (415)973-3582
Email: PGETariffs@pge.com

Name:
Title:
Utility Name:
Address:
City:
State: District of Columbia Zip:
Telephone (xxx) xxx-xxxx:
Facsimile (xxx) xxx-xxxx:
Email:

Advice 6422-E
December 2, 2021

Attachment 1

Supplement No. 4 Amendment No. 1

Supplement No. 4 Amendment No. 1

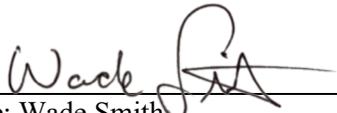
Under Master Agreement (“Master Agreement”) dated April 29, 2016 between Peninsula Corridor Joint Powers Board (“JPB” or “Caltrain”) and Pacific Gas and Electric Company (“PG&E”) Project: Caltrain Electrification

This is Amendment No. 1 to Supplement No. 4 under the Master Agreement. Capitalized terms used herein but not defined herein have the meaning given in the Master Agreement.

1. Amendment to Supplement No. 4. This Amendment No. 1 to Supplement No. 4 amends the Authorized Amount under Supplement No. 4.
2. Authorized Amount. The Authorized Amount set forth in Paragraph 1 of Supplement No. 4 is hereby increased from Eighty-two Million Dollars (\$82,000,000) to One Hundred Twenty Million Eight Hundred Sixteen Thousand Dollars (\$119,916,000).
3. Exhibit B-4. Exhibit B-2 of Supplement No. 4 is hereby replaced with Exhibit B-4 attached.
4. Except as expressly provided herein, Supplement No. 4 is otherwise unmodified.

By signing this Amendment No. 1 to Supplement No. 4, both parties agree to the terms hereof.

PACIFIC GAS AND ELECTRIC COMPANY

By: 
Name: Wade Smith
Title: SVP of Electric Operations

10/26/2021
Date: _____

PENINSULA CORRIDOR JOINT POWERS BOARD

E-SIGNED by Pranaya Shrestha
on 2021-10-13 13:17:39 PDT
By: _____
Name: Pranaya Shrestha
Title: Interim Chief Officer, Caltrain Modernization Program

October 13, 2021
Date: _____

EXHIBIT B-4 to May 14, 2021 letter with updated project costs for Supplement. No 4

For Informational Purposes: Preliminary Cost Allocation Table for PG&E Work Under Supplement Nos. 3 and 4

Line Items	Scope of Work	Interconnection at Distribution Voltage (\$K)	Interconnection at Transmission Voltage (\$K)*	PG&E %	PG&E Cost (\$K)	Caltrain %	Caltrain Cost (\$K)	Equivalent One-Time Payment (EOTP)**	CPUC Jurisdictional Facilities (\$K)***	Scope Document Sections
South SF - East Grand Substation										
1	System protection at substation and connected substations	N/A	\$ 8,272							Section 2: J.O. 74000343 Caltrain Site 1 Station Metering Section 3: J.O. 74000343 East Grand Substation Interconnection Facility Section 4: J.O. 74013118 Martin Substation Relay Upgrades Section 5: J.O. 74013119 San Mateo Substation Relay Upgrades Section 6: J.O. 74013117 Station MA Relay Upgrade Section 8: J.O. 74013220 SFGO SF RAS Relay Upgrades Section 9: J.O. 74013221 VGCC SF RAS Relay Upgrades
2	Substation upgrades triggered by 1st feed (including but not limited to upgrading the bus, additional breakers and switches, and reconfiguration)	N/A	\$ 44,089						\$ 3,226	Section 1: J.O. 74000343 Caltrain Site 1 Station Section 3: J.O. 74000343 East Grand Substation Interconnection Facility Section 7: J.O. 74000342 East Grand Substation T-Line
3	Customer facilities such as breakers and associated protection-automation package for 1st feed	N/A	\$ 6,746							Section 3: J.O. 74000343 East Grand Substation Interconnection Facility
4	Customer facilities such as breakers and associated protection-automation package for 2nd feed	N/A	\$ 6,746							Section 3: J.O. 74000343 East Grand Substation Interconnection Facility
5	Total cost East Grand substation work		\$ 65,852							
San Jose FMC Substation										
6	System protection at substation and connected substations	N/A	\$ 5,156							Section 2: J.O. 74007941 Caltrain Site 3 Station Metering Section 3.1: J.O. 74007941 FMC Substation Interconnection Facility Section 4: J.O. 74013223 San Jose B Substation Relay Upgrades Section 5: J.O. 74013222 Kifer Substation Relay Upgrade Section 6: J.O. 74013224 Trimble Substation Terminal Upgrade
7	Substation upgrades triggered by 2nd feed (including but not limited to upgrading the bus, additional breakers and switches, and reconfiguration)	N/A	\$ 49,458						\$7,286	Section 1: J.O. 74007941 Caltrain Site 3 Station Section 3.1: J.O. 74007941 FMC Substation Interconnection Facility Section 7: J.O. 74007942 FMC Substation T-line Section 8: J.O. 74013225 Trimble - San Jose B 115kV Line Re-rate
8	Customer facilities such as breakers and associated protection-automation package for 1st feed	N/A	\$ 7,765							Section 3.1: J.O. 74007941 FMC Substation Interconnection Facility
9	Customer facilities such as breakers and associated protection-automation package for 2nd feed	N/A	\$ 7,765							Section 3.1: J.O. 74007941 FMC Substation Interconnection Facility
10	Total Cost FMC Substation work		\$ 70,144							
11	Total Cost Exclusive of EOTP and ITCC	N/A	\$ 135,997		\$ 81,598		\$ 54,399		\$ 10,512	
12	Overall percentage of total cost, referenced in the Table in Section 4(b) of Supp. No. 4, exclusive of EOTP and ITCC*			60%		40%				
13	EOTP						\$ 5,861			
14	Total Caltrain Cost inclusive of EOTP but not ITCC						\$ 60,260			
15	Total Caltrain Cost inclusive of 22% ITCC						\$ 66,366			
16	Total Caltrain Cost inclusive of 22% ITCC as of May 2021, and EOTP						\$ 72,228			

* Numbers shown are AACE 3 expected case cost estimate, based on scope of work from the Scoping Document. The actual amount of dollars to be allocated is intended to be based on the percentage allocation set forth in the Settlement Agreement and the actual costs incurred.

** See text V.A of the Settlement Agreement for the EOTP formula and Attachment 3 to the Settlement Agreement for a sample calculation. Calculation in Line 13 is based on current AACE 3 expected case cost estimate and the 40% allocation of capital costs Caltrain agreed to in the Settlement Agreement.

Advice 6422-E
December 2, 2021

Attachment 2

Supplement No. 2 Amendment No. 4

Supplement No. 2 Amendment No. 4

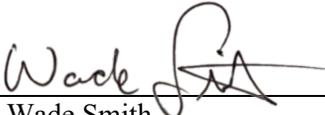
Under Master Agreement (“Master Agreement”) dated April 29, 2016 between Peninsula Corridor Joint Powers Board (“JPB” or “Caltrain”) and Pacific Gas and Electric Company (“PG&E”) Project: Caltrain Electrification

This is Amendment No. 4 to Supplement No. 2 under the Master Agreement. Capitalized terms used herein but not defined herein have the meaning given in the Master Agreement.

1. Amendment to Supplement No. 2. This Amendment No. 4 to Supplement No. 2 amends the Authorized Amount under Supplement No. 2.
2. Authorized Amount. The Authorized Amount set forth in Paragraph 2 of Supplement No. 2, Amendment No 2 is hereby increased from Twenty-Seven Million Eight Hundred Thousand Dollars (\$27,800,000) to Forty-Nine Million Six Hundred Thirty-Nine Thousand Dollars (\$49,639,000). The increase in the Authorized Amount is described in Attachment A-1, attached hereto and made apart of this Supplement 2.
3. Except as expressly provided herein, Supplement No. 2 is otherwise unmodified.

By signing this Amendment No. 4 to Supplement No. 2, both parties agree to the terms hereof.

PACIFIC GAS AND ELECTRIC COMPANY

By: 
Name: Wade Smith
Title: SVP of Electric Operations

11/24/2021

Date:

PENINSULA CORRIDOR JOINT POWERS BOARD

By: 
Name: Pranaya Shrestha
Title: Interim Chief Officer, Caltrain Modernization Program

November 09, 2021

Date:

Attachment A-1: Description of Increase in the Authorization Amount

Supplement 2 - Substation T/Line Support	\$ 2,800,000
Supplement 2, Amendment 2 - T/Line Design + Construction	\$ 25,000,000
Supplement 2, Amendment 4 - T/Line Authorization Increase	\$ 21,839,000
TOTAL	\$ 49,639,000

Supplement 2, Amendment 4 Detail of Increase

Cost Item	Costs	Notes
Initial project budget below expected costs	\$ 9,200,000	PG&E took over the project from Caltrain/JPB in Q1 2020. Supplement 2, Amendment 2 (S2A2) was executed to fund the completion of design and the entirety of construction of the two 115kv double-circuit intertie lines. In discussion with Caltrain/JPB, PG&E provided the following cost estimates exclusive of ITCC to complete the projects: \$27.7M "Best" Base Case, \$29.7M "Expected" Case, \$31.7M "Worst" High Case. Caltrain/JPB responded with the \$25M Amendment, allowing PG&E to spend \$20.5M exclusive of ITCC. The financial gap between PG&E's expected case (\$29.7M exclusive of ITCC) and the S2A2 funding (\$20.5M exclusive of ITCC) is \$9.2M.
East Grand-TPS#2 scope change: undergrounding in HealthPeak property	\$ 5,400,000	\$3.9M - Increased civil construction scope (duct bank construction), additional costs for night work in the East Grand Ave/Gateway Blvd intersection required by the City of South San Francisco, and reduction in overhead scope \$0.9M - Additional XLPE underground cable procurement and additional procurement of two underground cable vaults \$0.5M - Engineering redesign of cable alignment \$0.1M - Additional PG&E internal support and overheads
Contract change orders to FMC-TPS#1 construction	\$ 512,000	\$15k - VTA Pole Relocation \$158k - VTA Easement Delays \$112k - Redundant and primary fiber scope changes, including cost sharing by PG&E and TRC (-\$212k) \$203k - Dewatering at TSP foundations \$33k - Netting installation Caltrans cancellation
Risk contingency on remaining spend	\$ 2,500,000	Inclusion of contingency to account for risks associated to duct bank construction, cable pulling, and overhead construction. Contingency may be used to fund construction change orders, construction delays, or other project expenses approved by Caltrain/JPB
Total Cost Exclusive ITCC	\$ 17,612,000	
ITCC Tax @ 24%	\$ 4,227,000	
Total Authorization Increase Including ITCC	\$ 21,839,000	

**PG&E Gas and Electric
Advice Submittal List
General Order 96-B, Section IV**

AT&T
Albion Power Company

Alta Power Group, LLC
Anderson & Poole

Atlas ReFuel
BART

Barkovich & Yap, Inc.
California Cotton Ginners & Growers Assn
California Energy Commission

California Hub for Energy Efficiency
Financing

California Alternative Energy and
Advanced Transportation Financing
Authority
California Public Utilities Commission
Calpine

Cameron-Daniel, P.C.
Casner, Steve
Cenergy Power
Center for Biological Diversity

Chevron Pipeline and Power
City of Palo Alto

City of San Jose
Clean Power Research
Coast Economic Consulting
Commercial Energy
Crossborder Energy
Crown Road Energy, LLC
Davis Wright Tremaine LLP
Day Carter Murphy

Dept of General Services
Don Pickett & Associates, Inc.
Douglass & Liddell

East Bay Community Energy Ellison
Schneider & Harris LLP Energy
Management Service
Engineers and Scientists of California

GenOn Energy, Inc.
Goodin, MacBride, Squeri, Schlotz &
Ritchie

Green Power Institute
Hanna & Morton
ICF
International Power Technology

Intertie

Intestate Gas Services, Inc.
Kelly Group
Ken Bohn Consulting
Keyes & Fox LLP
Leviton Manufacturing Co., Inc.

Los Angeles County Integrated
Waste Management Task Force
MRW & Associates
Manatt Phelps Phillips
Marin Energy Authority
McKenzie & Associates

Modesto Irrigation District
NLine Energy, Inc.
NRG Solar

OnGrid Solar
Pacific Gas and Electric Company
Peninsula Clean Energy

Pioneer Community Energy

Public Advocates Office

Redwood Coast Energy Authority
Regulatory & Cogeneration Service, Inc.
SCD Energy Solutions
San Diego Gas & Electric Company

SPURR
San Francisco Water Power and Sewer
Sempra Utilities

Sierra Telephone Company, Inc.
Southern California Edison Company
Southern California Gas Company
Spark Energy
Sun Light & Power
Sunshine Design
Tecogen, Inc.
TerraVerde Renewable Partners
Tiger Natural Gas, Inc.

TransCanada
Utility Cost Management
Utility Power Solutions
Water and Energy Consulting Wellhead
Electric Company
Western Manufactured Housing
Communities Association (WMA)
Yep Energy