

April 23, 2021

Ms. Angela Calvillo
Clerk of the Board of Supervisors
City Hall, Room 244
1 Dr. Carlton B. Goodlett Place
San Francisco, CA 94102-4689

RE: San Francisco Public Utilities Commission's Quarterly Report to the Board of Supervisors on the Status of Applications to PG&E for Electric Service.

Dear Ms. Calvillo:

The attached quarterly report has been prepared for the Board of Supervisors (Board) in accordance with Resolution No. 227-18, approved by the Board on July 10, 2018 (File No. 180693) and adopted on July 20, 2018.

Pursuant to Resolution No. 227-18, the San Francisco Public Utilities Commission (SFPUC) is required to "provide the Board a quarterly report for the next two years that identifies the following: status of all City projects with applications to SFPUC for electric service, including project schedules and financing and other deadlines; project sponsor and SFPUC concerns in securing temporary and permanent power, including obstacles that could increase costs or delay service to City customers; and the status of disputes with PG&E before the Federal Energy Regulatory Commission (FERC) or in other forums." This resolution was re-affirmed by the Board on April 6, 2021. The SFPUC provides retail electric service from our Hetch Hetchy Power public utility to over 4,000 accounts, relying on our Hetch Hetchy generation and other sources for supply and purchased transmission and distribution services from PG&E. The SFPUC pays PG&E about \$10 million a year for this distribution service and another \$25 million to wheel the power on PG&E's transmission lines. The terms and conditions of the purchased distribution service are described in PG&E's Wholesale Distribution Tariff (WDT), as approved by the Federal Energy Regulatory Commission (FERC). The SFPUC purchases PG&E's transmission services through the California Independent System Operator.

REPORT SUMMARY:

For the reporting period of September 2020 through March 2021, the SFPUC has identified 72 projects that have experienced interconnection delays, requests for additional and/or unnecessary information, or increased project costs, as listed in

Attachment A. Since the last quarterly report, 5 projects have been added and 10 projects have been energized. To avoid further delays to important City services, 3 additional projects were forced to apply for PG&E's retail service instead of taking Hetchy service, bringing the total to 22 projects that have had to pay higher electric rates to PG&E.

Updates and changes to projects since the previous quarterly report are detailed in Column P of Attachment A. **Attachment B** contains a map providing the location of each project.

Attachment C contains a detailed report of each category of additional incurred costs and impacts to the City per project, such as redesign costs, construction and equipment costs, and additional staff time (also included in the 'Impacts' column of Attachment A). The total cost impacts to the City are now estimated to be more than \$12 million. Total costs do not include estimated costs for 17 projects that are at a standstill as those costs are still to be determined.

ONGOING ELECTRICAL INTERCONNECTION ISSUES:

The City continues to face major delays in PG&E's processing of its interconnection requests. PG&E continues to require City projects to install oversized and cost prohibitive equipment without clear regulatory, technical, safety or reliability justification. New PG&E requirements and actions identified below are also creating additional challenges to connecting City loads and have resulted in delays and increased costs to the City. In some cases, City departments are forced to apply for PG&E's retail service to avoid further delays.

- Delays throughout the application process
 - a. Example: PG&E has recently started using a new estimating process that significantly delays when the City receives a finalized construction design. This delay makes it difficult for the City to plan ahead for construction work and budgeting for its costs.
- Unreasonable primary equipment requirements for small projects
 - a. Example: PG&E continues to require primary equipment for important City projects that are normally served at secondary such as Cleveland Elementary School. This site cannot accommodate primary equipment due to space and budget constraints and, therefore, the project is at a standstill.
 - b. Example: The City has also had to relinquish temporary construction power to PG&E retail for several affordable housing projects to avoid project delays, because PG&E is requiring primary service even for construction power. The projects in turn have to pay a higher rate for power to PG&E.

- c. Example: PG&E refuses to accept several applications for service to affordable housing projects where the projects cannot install primary equipment due to lack of space.
- Denial of City's requested capacity for essential City services
 - a. Example: For phased development projects, PG&E has refused to acknowledge the City's load calculations and will only provide what PG&E believes is necessary for the initial phase. This is problematic as PG&E's values did not accommodate the load ramp up the City has projected as other phases are developed. This will require the City to incur additional future costs and likely result in additional delays that otherwise could have been avoided.
- Demands for costly and unnecessary upgrades to PG&E's distribution system
 - a. Example: PG&E delayed a project by initially requiring the City to pay for major upgrades to PG&E's existing transformer to serve a 1 kW irrigation control. After many months of discussion, PG&E finally agreed to serve the load without requiring the upgrades.
- Refusal to acknowledge the City's control of distribution facilities
 - a. Example: PG&E has refused to connect projects in which the City controls (rather than owns) the facilities required in the WDT. The City has obtained control of the necessary facilities pursuant to an agreement between the SFPUC and the property owner/customers. The WDT makes no distinction between the treatments of controlled or owned facilities.

WDT3 ISSUES:

PG&E has filed the WDT3 application with FERC seeking to amend the rates, terms and condition of service under its WDT. The application also formalizes and incorporates many of the practices noted in the issues section above. San Francisco, the California Public Utilities Commission, and other customers and agencies have intervened in the FERC proceeding to challenge many of PG&E's proposed amendments to the WDT.

PG&E has proposed several new amendments in its WDT3 filing that are concerning to the City due to the following anti-competitive requirements and restrictions:

- Elimination of unmetered load – all unmetered load such as streetlights, traffic signals, and bus shelters would have to be served by primary equipment or be converted to PG&E retail service by the end of 2021.
- Elimination of any interconnections to PG&E's "downtown network" – prohibits any new load or upgrades to existing load in SF's downtown area (includes all of Market St. from Embarcadero through Civic Center).
- Elimination of all new secondary interconnections – prohibits the connection of any loads at secondary despite the size. This would also prohibit the City

from providing secondary service to any existing customers with secondary interconnections if their facilities are being modified for reasons such as building renovations or decarbonization (increased electrification) of existing buildings.

- Major Increase in Distribution Rates – the City expects to see a doubling or more of distribution costs under PG&E’s newly filed rates. There are also major concerns about how PG&E’s proposed rate design inequitably over-allocates costs to wholesale customers.

STATUS OF DISPUTES WITH PG&E BEFORE FERC:

As we previously informed you, on November 21, 2019, FERC issued an order in the City’s 2014 complaint and related cases rejecting the City’s claim that all of its load is eligible for service under the Federal Power Act without adding new facilities because the City had been serving the same customers for decades. On December 20, 2019, the City filed a request for rehearing of FERC’s order. On June 4, 2020, FERC issued an order on rehearing that, for the most part, affirmed its prior order. The City has filed petitions to review these FERC orders with the Court of Appeals for the District of Columbia Circuit. These matters have been fully briefed. We anticipate that the Court will schedule an oral argument in these matters sometime this year.

In January 2020, the City and PG&E participated in an evidentiary hearing before a FERC Administrative Law Judge (ALJ) in a dispute over WDT service to an SFMTA substation at 6 Berry Street. The issues in that proceeding are: (i) whether PG&E is wrongfully charging the City for upgrades to its system; and (ii) whether PG&E’s cost estimates lack sufficient detail. On July 2, 2020, the ALJ issued an initial decision in which the ALJ found for PG&E on the issue concerning the cost of upgrades and for the City on the issue concerning the cost estimates. Both the City and PG&E have filed exceptions to the initial decision asking FERC to reject the ALJ’s rulings against them. We await a FERC decision.

On April 16, 2020, FERC issued an order dismissing the City’s second complaint against PG&E in which the City claimed that PG&E violated its WDT by demanding primary service for small loads. FERC found that PG&E has the discretion to grant or deny a request for secondary service based on the specifics of each particular request. On May 18, 2020, the City filed a request for rehearing of FERC’s order. On September 17, 2020, FERC issued an order on rehearing sustaining its dismissal of the complaint. The City has filed petitions to review these FERC orders with the Court of Appeals for the District of Columbia Circuit. The final brief in these matters is due on May 28, 2021. The Court has ordered that the oral argument in these matters will be on the same day as the prior appeal discussed above.

The City received a favorable ruling from FERC following the City's protest over PG&E's rejection of the City's request to serve a customer that had requested a transfer from PG&E retail service to SFPUC service. FERC found that "PG&E's WDT does not permit it to refuse to grant a customer's requested reserved capacity when available distribution capacity exists to meet the request."

Please find attached copies of the following documents related to this report:

- **Attachment A:** List of projects with active interconnection applications to PG&E for electric service as of April 2021
- **Attachment B:** Map of projects with PG&E power connection delays as of April 2021
- **Attachment C:** Cost impacts

Should you have any questions, please contact Barbara Hale, SFPUC Assistant General Manager for Power, at BHale@sfwater.org and 415-613-6341.

Sincerely,

A handwritten signature in blue ink that reads "Michael P. Carlin". The signature is written in a cursive, flowing style.

Michael P. Carlin
Acting General Manager

Attachment A: List of Interconnection Issues

	PG&E NN#	Project Location	District #	Client Organization	Project Description (what SF applied for)	Project Status	Initial Application Submittal Date	App Deemed Complete Date	Initial Service Need Date	Did PG&E require Primary?	Load Size/Can Be Served at Secondary	PG&E committed to work w/ SF to energize in 2018	Impacts	Updates/Changes since Last Report (Sept. 2020)	
1	114449998	600 32nd Avenue - George Washington High School	1	SFUSD	Upgrading and relocating existing secondary service	Delays caused by dispute over primary vs. secondary. Project moving forward with low-side metering. (See Note 1) Further delays caused by dispute over PG&E's proposed design.	Energized	3/27/2018	7/3/2019	9/1/2018	Yes	500 kW/Yes	X	Project delayed - project was in dispute from Feb. 2018 - Jun. 2018. (3-4 months). PG&E is currently delaying energization, SF is waiting for PG&E to finish its portion of work. Additional project costs - \$150k (2 interrupters, 2 #7 boxes, & installation) PG&E's proposed design would require an additional \$1M in trenching/construction costs. SF is disputing this design as PG&E is applying design requirements inconsistently.	No impacts update. Project was energized in Sept. 2020 and will be removed on next quarter's report.
2	115047431/115322749	4545 Anza Street - Lafayette Elementary	1	SFUSD	New temporary service for interim trailers and replacing existing secondary service	Delays caused by dispute over primary vs. secondary. Project moving forward with secondary service.	Energized	10/9/2018	3/20/2020	7/1/2019	Yes	150 kW /Yes		Project delayed - project was in dispute from Oct. 2018 - Oct. 2019 (1 year). Temp. power service for classroom trailers will be served by PG&E at retail - \$14k in lost gross revenue to SFPUC. \$31k in additional power costs to the project due to PG&E's higher rates. 50,000 lbs. of CO2 emissions (temporary period of 17 months)	No impacts update. Project was energized in Sept. 2020 and will be removed on next quarter's report.
3	118155073	3401 Geary Blvd. - Streetlights and Traffic Controller	1	SFMTA	New temporary service for interim trailers and replacing existing secondary service	Delays caused by PG&E providing the Service Agreement late.	Energized	11/7/2019	11/19/2019	2/3/2020	No	1 kW/Yes		Pedestrian and traffic safety is at risk as PG&E delays the energization of these streetlights and traffic signals.	No impacts update. Project was energized in Jan. 2021 and will be removed on next quarter's report.
4	120533309	600 Arguello Blvd. - Rossi Pool	1	SFRPD	Request for shutdown (for meter replacement)	Delays caused by PG&E providing the Service Agreement late.	Engineering estimation by PG&E.	12/11/2020	2/12/2021	4/4/2021	N/A	N/A		Overhead/delays costs TBD. Pool will also not be available for public use until work is done.	Project added.
5	112434942	3455 Van Ness Avenue - AWSS Pump Station No. 2	2	SFPUC - Water	Remove two existing services and replace with one secondary service	Delays caused by dispute over primary vs. secondary. Project moving forward with low-side metering. (See Note 1)	In construction	12/9/2016	1/5/2017	8/1/2017	Yes	144 kW/Yes	X	Seismic improvements and architectural upgrades to increase reliability of the pumping station have been delayed. Additional project costs - \$75k (interrupter, #7 box, & installation) Further delays caused by PG&E still not providing necessary cost detail to the Service Agreement (7 month delay).	No impacts update.
6	114713666	2110 Greenwich Street - Tule Elk Elementary	2	SFUSD	Upgrading and relocating existing secondary service	Delays caused by dispute over primary vs. secondary. Project moving forward with low-side metering. (See Note 1)	In construction	6/15/2018	4/2/2020	6/1/2019	Yes	300 kW/Yes		Project delayed - project was in dispute from Jun. 2018 - Oct. 2019 (14-15 months) Additional project costs - \$150k (2 interrupters, 2 #7 boxes, & installation)	No impacts update.
7	115675911	2445 Hyde St. - Francisco Park	2	SFRPD	New secondary service	Delays caused by dispute over primary vs. secondary. Project moving forward with low-side metering. (See Note 1)	In construction	1/9/2019	4/7/2020	12/27/2019	Yes	70 kW/Yes		Project delayed - project was in dispute from Jun. 2019 - Oct. 2019 (3-4 months). Additional project costs - \$75k (interrupter, #7 box, & installation) The project expects overhead/delay costs of at least \$168k (assuming a 30-day delay).	No impacts update.
8	PG&E withholding NN#	102 Marina Blvd. - Fort Mason (EVGo)	2	EVGo	New secondary service	Delays caused by dispute over primary vs. secondary. Project is still in dispute.	Project is at a standstill.	12/13/2018		7/15/2019	Yes	600 kW/Yes		Project delayed - project has been in dispute since Dec. 2018 (17-18 months). If required, primary switchgear would cost the project an additional \$500k.	No update - project remains at a standstill.
9	117492329	950 Golden Gate Avenue - Margaret Hayward Park	3	SFRPD	Remove/replace existing transformer and utility boxes and provide new single secondary service	Delays caused by dispute over primary vs. secondary. Project moving forward with low-side metering. (See Note 1)	Energized	3/15/2018	6/5/2018	4/1/2020	Yes	100 kW/Yes		Project slightly delayed - project was in dispute from Mar. 2018 - May 2018. (2-3 months) Additional project costs - \$150k (2 interrupters, 2 #7 boxes, & installation) Further delays (6-8 weeks) as PG&E has informed the project of more inspections and work. The project expects overhead/delay costs of at least \$330k (assuming a 40-day delay).	No impacts update. Project was energized in Sept. 2020 and will be removed on next quarter's report.
10	115020677	88 Broadway - Affordable Housing (125 units)	3	MOHCD (BRIDGE Housing)	New secondary service for perm. Construction power released to PG&E retail.	Delays caused by dispute over primary vs. secondary. Project moving forward with low-side metering. (See Note 1) Further delays caused by PG&E mistake.	Energized	10/1/2018	3/19/2019	12/2/2019	N/A	500 kW/Yes		Temp. construction power service by PG&E at retail - \$68k in lost gross revenue to SFPUC. \$15k in additional power costs to PG&E's higher rates. Additional project costs - \$150k (2 interrupters, 2 #7 boxes, & installation) 90,625 lbs. of CO2 emissions (construction period of 18 months)	Temp. construction power costs updated. Project was energized in Jan. 2021 and will be removed on next quarter's report.
11	115019804	735 Davis - Affordable Housing (53 units)	3	MOHCD (BRIDGE Housing)	New secondary service for perm. Construction power released to PG&E retail.	Delays caused by dispute over primary vs. secondary. Project moving forward with low-side metering. (See Note 1)	Energized	10/1/2018	3/8/2019	12/2/2019	N/A	683 kW/Yes		Temp. construction power service by PG&E at retail - \$114k in lost gross revenue to SFPUC. \$25k in additional power costs to the project due to PG&E's higher rates. Additional project costs - \$150k (2 interrupters, 2 #7 boxes, & installation) 148,837 lbs. of CO2 emissions (construction period of 19 months)	Temp. construction power costs updated. Project was energized in Nov. 2020 and will be removed on next quarter's report.

Attachment A: List of Interconnection Issues

	PG&E NN#	Project Location	District #	Client Organization	Project Description (what SF applied for)	Project Status	Initial Application Submittal Date	App Deemed Complete Date	Initial Service Need Date	Did PG&E require Primary?	Load Size/Can Be Served at Secondary	PG&E committed to work w/ SF to energize in 2018	Impacts	Updates/Changes since Last Report (Sept. 2020)
12	114088011	Lake Merced Blvd & Sunset Blvd - Restroom	4	SFRPD	New secondary service	Delays caused by dispute over primary vs. secondary. Project Cancelled	12/8/2017		1/15/2019	Yes	10 kW/Yes		Project delayed - project has been in dispute since late Aug. 2018. (4-5 months) Bathroom will not be available for public use at Lake Merced. Primary switchgear will cost the project an additional \$500k in equipment costs and take the space of parking spots.	Project cancelled due to PG&E's new policy of requiring underground service for the area. The extensive costs of underground service for this bathroom is not feasible. Project will be removed in next quarter's report.
13	Several applications submitted	L Taraval - Streetlights	4	SFMTA	New secondary service (several streetlights)	Delays caused by PG&E being unresponsive. In construction	3/19/2019	4/27/2019	1/1/2020	No	9.6 kW (per service point)/Yes		Pedestrian and traffic safety is at risk as PG&E delays the energization of these streetlights. Delays continue as SF has not received construction drawings from PG&E. Project delayed - impacts TBD.	Further delays caused by PG&E.
14	PG&E withholding NN#	1351 42nd Street - Francis Scott Key Educator Housing (Construction and Perm. Power)	4	MOHCD (MidPen Housing)	New secondary service for perm. Construction power released to PG&E retail.	Delays caused by dispute over primary vs. secondary. Project is still in dispute. Project is at a standstill.	3/30/2020 (temp) 2/24/2020 (perm)		12/7/2020 (temp) 12/6/2021 (perm)	Yes	417 kW/Yes (temp) 678 kW/Yes (perm)		Project delayed - project has been in dispute since Apr. 2020 (10-11 months). Temp. construction power service by PG&E at retail - \$118k in lost gross revenue to SFPUC. \$25k in additional power costs to the project due to PG&E's higher rates.	Impacts updated to show cost impact of construction power being turned over to PG&E to avoid further delays.
15	114571079	50 Bowling Green Drive - GGP Tennis Center	5	SFRPD	New secondary service	Delays caused by dispute over primary vs. secondary. Project moving forward with low-side metering. (See Note 1) Energized	5/3/2018	10/3/2018	2/1/2019	Yes	160 kW/Yes	X	Project delayed - project was in dispute from May-July. 2018. (2-3 months) Additional project costs - \$150k (2 interrupters, 2 #7 boxes, & installation), \$275k (for upgrades to PG&E's system) Lost gross revenue to SFPUC due to delays: \$1k Further delays may lead to possible funding issues.	No impacts update. Project was energized in Oct. 2020 and will be removed on next quarter's report.
16	114907923	1251 Turk Street - Affordable Housing Fire Pump	5	MOHCD (TNDC)	New secondary service	Delays caused by PG&E not providing necessary cost detail. SF working on updated application.	8/17/2018	8/10/2019	2/17/2019	No	27 kW/Yes		Project delayed - PG&E initially required distribution upgrades of \$250k plus trenching costs for a fire pump service that brings the existing affordable housing development up to code. For over a year, SF was waiting for further cost justification from PG&E. PG&E and SF have now agreed to an electrical design that will not require the extra upgrades to PG&E's system.	No impacts update.
17	118155015	1805 Geary Blvd. - Streetlights and Traffic Signal	5	SFMTA	New secondary service	Delays caused by PG&E providing the Service Agreement late. Energized	11/7/2019	11/19/2019	2/2/2020	No	1 kW/Yes		Pedestrian and traffic safety is at risk as PG&E delays the energization of these streetlights and traffic signals.	No impacts update. Project was energized in Oct. 2020 and will be removed on next quarter's report.
18	PG&E withholding NN#	78 Haight Street - Affordable Housing	5	MOHCD (TNDC)	New secondary service for perm. Construction power released to PG&E retail.	Delays caused by dispute over primary vs. secondary. Project is still in dispute. Project is at a standstill.	6/15/2020		12/15/2021	Yes	315 kW/Yes		Project delayed - project has been in dispute since Jun. 2020 (8-9 months) PG&E is requiring primary for the construction power and the permanent service. Temp. construction power service by PG&E at retail - \$38k in lost gross revenue to SFPUC. \$6k in additional power costs to the project due to PG&E's higher rates.	Impacts updated to show cost impact of construction power being turned over to PG&E to avoid further delays.
19	Several applications submitted	Haight Street Traffic Signals	5	SFMTA	New secondary services (several traffic signals)	Delays caused by PG&E cancelling the initial applications. In construction	4/22/2020	7/16/2020	11/30/2020	Yes			Project delayed as PG&E cancelled the original applications. Public safety is at risk as the traffic signal infrastructure is completed and are just awaiting energization. The public has been inquiring about signal activation status. The traffic signals are moving forward, but there are disagreements on whether or not unmeted holiday lighting can be added to these poles.	Impacts updated to include possible issues with holiday lighting.
20	111729695	6 Berry Street - Substation	6	SFMTA	Upgrade existing primary service	Delays caused by PG&E being unresponsive, changing requirements, and being non-transparent with costs and design changes. Energized	6/17/2016	12/12/2016	5/1/2017	N/A	3000 kW/Yes		SFMTA completed the conduit boring under the rails prior to PG&E's approval. As such, parties disagree on costs and design requirements. SFMTA claims that they are incurring delay claims costs from contractor due to PG&E's failure to approve design and equipment submittals. (actual costs are still to be determined, but the costs continue to increase on a daily basis)	No impacts update. Project was energized in June 2020. The project team will be reaching out to connect the power the permanent substation in early 2021.
21	113826990	750 Brannan - Main Library Repository	6	SFPW for SFPL	Increase load request (237 kW to 500 kW)	Dispute over how to process increase in load request. Service Agreement returned with payment by SFPUC.	11/14/2017	1/18/2018	1/1/2018	No	500 kW/Yes		Plans for a new HVAC system at the library repository have been delayed. No monetary impact - however, SF believes that PG&E's requirements for approving load increase for muni loads is extensive and will cause delays to projects.	No impacts update.
22	118152147	399 The Embarcadero - Fire Boat #35	6	SFFD	New secondary service	Delays caused by dispute over primary vs. secondary. Project moving forward with low-side metering. (See Note 1) In construction	1/14/2019	2/8/2020	12/27/2019	Yes	430 kW/Yes		Project delayed - project was in dispute from Jan. 2019 - Oct. 2019 (8-9 months). Additional project costs - \$150k (2 interrupters, 2 #7 boxes, & installation)	No impacts update.
23	115071498	555 Larkin (formerly 500 Turk) - Affordable Housing (108 units)	6	MOHCD (TNDC)	New secondary service for perm. Construction power released to PG&E retail.	Delays caused by dispute over primary vs. secondary. Project moving forward with low-side metering. (See Note 1) In construction	10/15/2018	12/18/2019	7/1/2020	Yes	890 kW/Yes		Project delayed - project was in dispute from Nov. 2018 - Oct. 2019 (11-12 months). Temp. construction power service by PG&E at retail - \$196k in lost gross revenue to SFPUC. \$24k in additional power costs to the project due to PG&E's higher rates. Additional project costs - \$150k (2 interrupters, 2 #7 boxes, & installation) 243,000 lbs. of CO2 emissions (construction period of 22 months)	Temp. construction power costs updated.
24	116790877	Market St. & 7th St - BMS Switch	6	SFMTA	New secondary service	Delays caused by PG&E not following WDT timelines and not providing cost explanations. Service Agreement issued by PG&E.	3/6/2019	4/9/2019	1/4/2021	No	48 kW/Yes		Project delayed - PG&E was late in providing the service agreement and has been unresponsive in providing further cost explanation.	No impacts update.
25	TBD	1064 Mission St. - Affordable Housing (256 units)	6	MOHCD (Mercy Housing)	New secondary service for perm. Construction power released to PG&E retail.	Delays caused by dispute over primary vs. secondary. Project moving forward with low-side metering. (See Note 1) In construction	3/28/2019	12/18/2019	4/1/2021	Yes	678 kW/Yes		Project delayed - project was in dispute from Feb. 2019 to Oct. 2019 (7-8 months). Additional project costs - \$150k (2 interrupters, 2 #7 boxes, & installation) Temp. construction power service by PG&E at retail - \$105k in lost gross revenue to SFPUC. \$23k in additional power costs to the project due to PG&E's higher rates. 142,000 lbs. of CO2 emissions (construction period of 18 months)	Temp. construction power costs updated.

Attachment A: List of Interconnection Issues

	PG&E NN#	Project Location	District #	Client Organization	Project Description (what SF applied for)	Project Status	Initial Application Submittal Date	App Deemed Complete Date	Initial Service Need Date	Did PG&E require Primary?	Load Size/Can Be Served at Secondary	PG&E committed to work w/ SF to energize in 2018	Impacts	Updates/Changes since Last Report (Sept. 2020)
26	N/A	Transbay Transit Center - Transbay Joint Powers Authority	6	SFPUC - Power	Two new primary services (5 MW each)	Potential dispute over reserved capacity.	Energized - PG&E reviewing SF's request.	9/12/2018	2/6/2019	10/1/2018	N/A	10 MW/No	PG&E is currently reviewing SF's request to use 10 MW of reserved capacity that SF applied and paid for. If PG&E denies request, SF may incur additional costs or have to limit the tenants. PG&E is holding up the project by not explaining the discrepancies between its System Impact Study draft agreement to what SF had requested.	Delays continue as PG&E has still not adequately responded to SF's questions regarding load calculations in the System Impact Study draft agreement.
27	114491666	Mission Rock & Terry Francois Blvd. - Redevelopment Project	6	SFPUC - Power	New primary service	Delays caused by PG&E being late in providing Service Agreement.	Draft Facility Study agreement issued by PG&E.	4/9/2018	4/20/2018	8/1/2019	N/A	7300 kW/No	Project delayed - PG&E should have provided the Service Agreement by end of August 2019.	No impacts update.
28	117795024	16 Sherman Street - Victoria Park Lighting	6	SFRPD	Upgrading existing secondary service	Delays caused by PG&E providing the Service Agreement late.	In construction	10/30/2019	11/20/2019	2/15/2020	N/A	42 kW/Yes	Park safety is at risk as PG&E caused delays to the energization of these lighting fixtures. Further delays will prevent re-opening of the park and leave SFUSD students without a playground.	No impacts update.
29	PG&E withholding NN#	180 Jones Street - Affordable Housing	6	MOHCD (TNDC)	New secondary service for perm. Construction power released to PG&E retail.	Delays caused by dispute over primary vs. secondary. Project is still in dispute.	Project is at a standstill.	4/28/2020		9/5/2022	Yes	576 kW/Yes	Project delayed - project has been in dispute since May 2020 (9-10 months). Temp. construction power service by PG&E at retail - \$89k in lost gross revenue to SFPUC. \$20k in additional power costs to the project due to PG&E's higher rates.	Impacts updated to show cost impact of construction power being turned over to PG&E to avoid further delays.
30	PG&E withholding NN#	266 4th Street - Affordable Housing	6	MOHCD (TNDC)	New secondary service	Delays caused by dispute over primary vs. secondary. Project is still in dispute.	Project is at a standstill.	6/15/2020		12/1/2021	Yes	700 kW/Yes	Project delayed - project has been in dispute since June 2020 (8-9 months).	No impacts update.
31	PG&E withholding NN#	750 Eddy Street - City College Building	6	CCSF	Upgrade and relocation of existing secondary service	Delays caused by dispute over primary vs. secondary. Project is still in dispute.	Project is at a standstill.	11/9/2020		12/30/2021		258 kW/Yes	Project delayed - project has been in dispute since Nov. 2020 (2-3 months)	Project added.
32	PG&E withholding NN#	600 7th Street - Affordable Housing	6	MOHCD	New secondary service	Delays caused by dispute over primary vs. secondary. Project is still in dispute.	Project is at a standstill.	1/19/2021		5/21/2023		847 kW/Yes	Project delayed - project has been in dispute since Feb. 2021 (1-2 months)	Project added.
33	PG&E withholding NN#	2685 Ocean Ave. - EV Charging Station	7	SFMTA & EVGo	New secondary service	Delays caused by dispute over primary vs. secondary. Project is still in dispute.	Project is at a standstill.	2/4/2019		7/22/2019	Yes	600 kW/Yes	Project delayed - project has been in dispute since Feb. 2019 (16-17 months). If required, primary switchgear would cost the project an additional \$500k.	No impacts update. PG&E has cancelled this application.
34	TBD	5 Lenox Way - West Portal Elementary School	7	SFUSD	Upgrade existing secondary service	Delays caused by dispute over primary vs. secondary. Project moving forward with low-side metering. (See Note 1)	Service Agreement issued by PG&E.	7/26/2019	3/10/2020	6/14/2021	N/A	400 kW/Yes	Project delayed - project was in dispute from July 2019 - Oct. 2019 (2-3 months) Additional project costs - \$150k (interrupter, #7 box, & installation)	No impacts update.
35	PG&E withholding NN#	2101 Sloat Boulevard - Construction Trailers (Westside Pump Station)	7	SFPUC	New secondary service	Delays caused by dispute over primary vs. secondary. Project will move forward with secondary service.	SF preparing revised application.	12/17/2020		2/1/2021		75 kW/Yes	Project delayed - project was in dispute from Jan. 2021-Mar.2021 (2-3 months) Due to the urgency of the project, the project team will need to use generators while PG&E processes the service application (estimated generator costs of \$6000/month)	Project added.
36	113135782	350 Amber Drive - Police Academy	8	SFPW for SFPD	Upgrade existing secondary service	Delays caused by dispute over primary vs. secondary. Project moving forward with low-side metering. (See Note 1)	Service Agreement returned with payment by SFPUC.	8/8/2017	5/22/2018	TBD FYE22	Yes	160 kW/Yes	X Project delayed - project was in dispute from Dec. 2017 - May 2018 (6 months). Additional project costs - \$75k (interrupter, #7 box, & installation)	No impacts update. SF has asked PG&E for a project extension.
37	113773996	1419 Bryant Street - Animal Care & Control	9	SFPW for GSA	New secondary service	Delays caused by dispute over primary vs. secondary. Project moving forward with primary.	Energized	10/25/2017	2/12/2019	8/1/2020	Yes	818 kW/Yes	Added costs for primary equipment - \$353k Additional construction costs - \$150k Costs of redesign - \$23k	No impacts update. Project was energized in Oct. 2020 and will be removed on next quarter's report.
38	114671141	2060 Folsom Street - Affordable Housing (127 units)	9	MOHCD (MEDA)	New secondary service for perm. Construction power released to PG&E retail.	Delays caused by dispute over primary vs. secondary. Project moving forward with low-side metering. (See Note 1)	Energized	5/18/2018	3/14/2019	1/15/2020	Yes	1387 kW/Yes	Project delayed - project was in dispute from Jun. 2018 - Nov. 2018 (4-5 months) Costs for redesign (primary service with low-side metering) - \$2-3k Temp. construction power service by PG&E at retail - \$295k in lost gross revenue to SFPUC. \$53k in additional power costs to project due to PG&E's higher rates. Additional project costs - \$150k (2 interrupters, 2 #7 boxes, & installation) 385,000 lbs. of CO2 emissions (construction period of 22 months)	Temp. construction power costs updated. Project was energized in Feb. 2021 and will be removed on next quarter's report.
39	PG&E withholding NN#	681 Florida Street - Affordable Housing (131 units)	9	MOHCD (MEDA)	New secondary service for perm. Construction power released to PG&E retail.	Delays caused by dispute over primary vs. secondary. Project moving forward with low-side metering. (See Note 1)	In construction	2/6/2019		8/3/2020	Yes	785 kW/Yes	Project delayed - project was in dispute from Feb. 2019 - Oct. 2019 (7-8 months). Temp. construction power service by PG&E at retail - \$59k in lost gross revenue to SFPUC. \$12k in additional power costs to project due to PG&E's higher rates. Additional project costs - \$150k (2 interrupters, 2 #7 boxes, & installation) 77,000 lbs. of CO2 emissions (construction period of 15 months)	Temp. construction power costs updated.

Attachment A: List of Interconnection Issues

	PG&E NN#	Project Location	District #	Client Organization	Project Description (what SF applied for)	Project Status	Initial Application Submittal Date	App Deemed Complete Date	Initial Service Need Date	Did PG&E require Primary?	Load Size/Can Be Served at Secondary	PG&E committed to work w/ SF to energize in 2018	Impacts	Updates/Changes since Last Report (Sept. 2020)
40	114345033	1990 Folsom Street - Affordable Housing (143 units)	9	MOHCD (MEDA)	New secondary service for perm. Construction power released to PG&E retail.	Delays caused by dispute over primary vs. secondary. Project moving forward with low-side metering. (See Note 1)	In construction	2/26/2018	3/14/2019	9/1/2020	Yes	920 kW/Yes	Project delayed - project was in dispute from Mar. 2018 - Nov. 2018. (7-8 months) Costs for redesign (primary service with low-side metering) - \$2-3k Temp. construction power service by PG&E at retail - \$181k in lost gross revenue to SFPUC. \$38k in additional power costs to project due to PG&E's higher rates. Additional project costs - \$150k (2 interrupters, 2 #7 boxes, & installation) 247,000 lbs. of CO2 emissions (construction period of 21 months)	Temp. construction power costs updated.
41	115148446	3001-3021 24th St. - Affordable Housing (44 units)	9	MOHCD (Mercy Housing)	New secondary service	Delays caused by dispute over primary vs. secondary. Project moving forward with low-side metering. (See Note 1)	Project went to PG&E retail.	11/1/2018		9/1/2020	Yes	362 kW/Yes	Project delayed - project was in dispute from Nov. 2018 to Oct. 2019 (10-11 months).	This project will take PG&E retail power. PG&E has agreed to low-side metering for this project, but the project has been delayed for too long and the process/planning time for low-side metering is no longer viable to meet project deadlines. Cost impacts TBD.
42	PG&E withholding NN#	300 Bartlett Street - Mission Branch Library	9	SFPL	New secondary service	Delays caused by dispute over primary vs. secondary. Project is still in dispute.	Project is at a standstill.	2/26/2020		9/1/2020	Yes	190 kW/Yes	Project delayed - project has been in dispute since Feb. 2020 (12-13 months). If required, primary switchgear would cost the project an additional \$500k.	Delays continue as PG&E is still requiring primary switchgear for this project.
43	111975801	800 Amador Street - Pier 94 - Backlands	10	SFPORT	New secondary service	PG&E required primary. Project is moving forward with primary service.	Service Agreement issued by PG&E, but issues remain on land rights. (Project now on hold due to COVID emergency response)	8/19/2016	8/28/2018	2/1/2017	Yes	166 kW/Yes	X Added costs for primary equipment (overhead) - \$500k The Port is investing over \$8M in upgrading the 16-acre parcel in the Backlands project site. The Port is expected to generate approximately \$250k in monthly rent revenue from this site. Significant delays to this project can cause the Port to lose \$3M in revenue annually. Additional staff time for Port - \$50k Costs of redesign - \$50k	This project is now on hold. This location has been used for the emergency shelters for the homeless in response to COVID. The issues regarding the permanent power service still remain. The Port plans to maintain the temporary service until the permanent service is available.
44	112774763	Illinois St. & Terry Francois - Mariposa Pump Station	10	SFPUC - Wastewater	Relocate existing secondary service (for construction)	Delays caused by PG&E requiring primary. Project went to PG&E retail to avoid anymore delays.	Due to the delays, the project is going to take PG&E retail service.	4/13/2017		6/1/2018	Yes	169 kW/Yes	X Temp. construction power service by PG&E at retail - \$588k in lost gross revenue to SFPUC. PG&E delaying temp. power - project team is potentially facing contract delay costs of \$1k/day. \$22k in additional power costs to the project due to PG&E's higher rates. 554,000 lbs. of CO2 emissions (construction period of 36 months) SF anticipates that generators will cost \$100k/month until PG&E energizes retail power.	Further delays - PG&E is not providing temporary power on time. The project team is looking into mitigating construction contract delay costs by using a generator.
45	114408260	684 23rd Street - Potrero North	10	SFPUC - Power	New primary service	Delays caused by PG&E cancelling the application.	Project is at a standstill.	3/12/2018		10/1/2018	N/A	12,000 kW/No	Project delayed - PG&E denied this service request citing inadequate capacity and cancelled the application.	No impacts update - PG&E refuses to provide service.
46	114408263	638 23rd Street - Potrero South	10	SFPUC - Power	New primary service	Delays caused by PG&E cancelling the application.	Project is at a standstill.	3/12/2018		10/1/2018	N/A	12,000 kW/No	Project delayed - PG&E denied this service request citing inadequate capacity and cancelled the application.	No impacts update - PG&E refuses to provide service.
47	114713787	1001 22nd Street - Bus Electrification Pilot	10	SFMTA	New primary service	Delays caused by PG&E being late in providing the Service Agreement.	Service agreement issued by PG&E.	6/18/2018	2/14/2019	5/1/2019	N/A	2400 kW/Yes	Initially, PG&E was unresponsive in scheduling a pre-application meeting which has caused some delays. PG&E was also late in providing a deemed complete date for the application and several months late in providing the Service Agreement. PG&E caused another 4-month delay to redesign for a PG&E error in the original design.	Further delays incurred as PG&E had to perform a redesign due to a PG&E error in the initial design. SF needs this to be energized as the charge stations will be finished with construction in May 2021.
48	114671200	1995 Evans - Traffic Controls and Forensics	10	SFPW for SFPD	New secondary service	Delays caused by dispute over primary vs. secondary. Project moving forward with low-side metering. (See Note 1)	In construction	5/18/2018	9/3/2019	3/1/2020	Yes	2100 kW/Yes	Project delayed - project was in dispute from Jun. 2018 to August. 2019 (13-14 months). Temp. construction power service by PG&E at retail has been delayed causing the project team to use generators Additional project costs - \$75k (interrupter, #7 box, & installation) Generator costs for temp power: \$578k Additional delays caused by pole location issues.	No impacts update.
49	110162018	750 Phelps - Southeast Plant	10	SFPUC - Wastewater	New primary service	Potential delay as PG&E is late in providing SIS agreement.	Service agreement issued by PG&E. (SF does not agree that PG&E has provided sufficient info).	IN FLIGHT (Prior to July 2015)	7/14/2018	5/20/2020	N/A	12000 kW/no	If delays continue and jeopardize the project energization date, the project team will incur a liquidated damage amount of \$3000/day. Further delays caused by PG&E not providing enough design detail with the Service Agreement.	Delays continue as PG&E has started changing its application processes and has yet to provide sufficient information for SF to review and provide payment for.
50	114546573	2401/2403 Keith Street - Southeast Health Center	10	SFPW for SFDPH	New secondary service	Delays caused by dispute over primary vs. secondary. Project moving forward with low-side metering. (See Note 1)	In construction	4/27/2018	11/14/2019	7/26/2020	Yes	200 kW/Yes	Project delayed - project was in dispute from May 2018 - Oct. 2019 (16-17 months). Additional project costs - \$150k (2 interrupters, #7 box, & installation)	No impacts update.
51	115415116	1550 Evans Ave. - Southeast Community Center	10	SFPUC	Relocation and upgrade of existing secondary service	Delays caused by dispute over primary vs. secondary. Project moving forward at low-side metering. (See Note 1)	In construction	11/26/2018	5/22/2019	1/4/2021	Yes	800 kW/Yes	Project delayed - project was in dispute from Dec. 2018 - Oct. 2019 (8-9 months). PG&E is now 2 months late in providing the Service Agreement. Added costs for primary equipment - \$500k Temp. construction power service by PG&E at retail - \$187k in lost gross revenue to SFPUC. \$9k in additional power costs to project due to PG&E's higher rates.	No impacts update.
52	TBD	Islais Creek Bridge Rehab (3rd Street)	10	SFPW	New secondary service	Delays caused by dispute over primary vs. secondary. Project moving forward with low-side metering. (See Note 1)	Updated application submitted to PG&E.	4/2/2019		5/1/2021	Yes	104 kW/Yes	Project delayed - project was in dispute from Mar. 2019 - Oct. 2019 (6-7 months). Additional project costs - \$75k (interrupter, #7 box, & installation)	No impacts update.
53	PG&E withholding NN#	1150 Phelps - Construction Trailers	10	SFPUC	New secondary service	Delays caused by dispute over primary vs. secondary. Project is still in dispute.	Project is at a standstill.	5/1/2019		6/1/2019	N/A	472 kW/Yes	Project delayed - project has been in dispute since May 2019 (14-15 months) If required, primary switchgear would cost the project an additional \$500k.	No update - project is still at a standstill. PG&E has cancelled this application.

Attachment A: List of Interconnection Issues

	PG&E NN#	Project Location	District #	Client Organization	Project Description (what SF applied for)	Project Status	Initial Application Submittal Date	App Deemed Complete Date	Initial Service Need Date	Did PG&E require Primary?	Load Size/Can Be Served at Secondary	PG&E committed to work w/ SF to energize in 2018	Impacts	Updates/Changes since Last Report (Sept. 2020)
54	114721804	480 22nd Street - Pier 70 Pump Station	10	SFPUC - Power	New primary service	Delays caused by PG&E being late in providing Service Agreement.	Engineering estimation by PG&E.	6/14/2018	10/26/2018	1/1/2019	N/A	2000 kW/Yes	Project delayed - PG&E should have provided Service Agreement by end of August 2019.	No impacts update. PG&E has cancelled this application.
55	112875227	1601 Griffith Street - Griffith Pump Station	10	SFPUC - Water	Shutdown & re-energization	Delays caused by PG&E providing energization late.	Energized - Cost impacts due to delay in energization.	N/A	N/A	N/A	N/A	N/A	Project delayed - PG&E pushed back the energization date by 2 weeks. Due to PG&E's delay, the project had to use generators for an additional 2 weeks costing \$27k.	No impacts update.
56	114919920	Harmonia Street - Sunnysdale HOPE	10	SFPUC - Power	New primary service	Potential dispute over reserved capacity.	System Impact Study phase of engineering estimation by PG&E.	8/16/2018	4/4/2019	8/1/2020	N/A	1000 kW/Yes	Delays caused by PG&E not responding to SF's questions regarding load calculations in the System Impact Study draft agreement. Due to the urgency of the project, SF has agreed to move forward with PG&E's lower load calcs and will apply to PG&E for additional capacity when the load ramps up. Costs of this are TBD.	Impacts updated to show unknown costs that will be incurred when the load at this site ramps up.
57	115583820	1101 Connecticut Street - HOPE Potrero	10	SFPUC - Power	New primary service	Potential dispute over reserved capacity.	System Impact Study phase of engineering estimation by PG&E.	12/13/2018	4/4/2019	6/1/2019	N/A	4000 kW/No	Delays caused by PG&E not responding to SF's questions regarding load calculations in the System Impact Study draft agreement. Due to the urgency of the project, SF has agreed to move forward with PG&E's lower load calcs and will apply to PG&E for additional capacity when the load ramps up. Costs of this are TBD.	Impacts updated to show unknown costs that will be incurred when the load at this site ramps up.
58	113804831	603 Jamestown Avenue - Redevelopment Project	10	SFPUC-Power	New primary service	Delays caused by PG&E being late in providing Service Agreement.	Service agreement issued by PG&E. (SF does not agree that PG&E has provided sufficient info).	11/2/2017	2/26/2018	10/1/2018	N/A	8000 kW/No	Delays caused by PG&E not providing the Service Agreement on time. Further delays caused by PG&E not providing enough design detail with the Service Agreement.	Delays continue as PG&E has started changing its application processes and has yet to provide sufficient information for SF to review and provide payment for.
59	116967240	702 Phelps Street - SFMTA Substation	10	SFMTA	Request to increase loads	Delays caused by PG&E being late in providing the System Impact Study report.	Service agreement issued by PG&E. (SF does not agree that PG&E has provided sufficient info).	2/26/2019	6/28/2019	5/1/2019	N/A	4000 kW/No	Delays caused by PG&E not providing the System Impact Study report on time. More delays caused by PG&E not providing the Service Agreement on time. Further delays caused by PG&E not providing enough design detail with the Service Agreement.	Delays continue as PG&E has started changing its application processes and has yet to provide sufficient information for SF to review and provide payment for.
60	11742971	1800 Jerrold Avenue - Biosolids (Temp. power)	10	SFPUC-Wastewater	New primary service	Delays caused by PG&E being late in providing the Service Agreement.	In construction	5/16/2019	6/28/2019	10/1/2019	N/A	1441 kW/No	Delays caused by PG&E not providing the Service Agreement on time.	No impacts update.
61	117974199	901 Tennessee Street - Streetlights	10	SFMTA	New secondary service	Delays caused by PG&E providing the Service Agreement late.	In construction	2/1/2019	11/20/2019	8/1/2019	No	1 kW/Yes	Pedestrian and traffic safety is at risk as PG&E delays the energization of these streetlights and traffic signals.	No impacts update.
62	N/A	1508 Bancroft Ave. - Sustainable Streets Shops	10	SFMTA	Request for information on existing PG&E power supply and approval from PG&E to use the current breakers	Delays caused by PG&E being unresponsive.	Information received from PG&E.	4/6/2018	N/A	10/21/2019	No	N/A	Potential power issue - SF cannot confirm that the current power system is properly protected without PG&E's response to the information requested.	No impacts update.
63	PG&E withholding NN#	1001 Potrero Avenue - UCSF/SFGH Research & Academic Building Construction and Perm Power	10	UCSF/SFGH	New primary service for perm. Construction power released to PG&E retail.	Delays caused by dispute over primary vs. secondary for construction power. Construction power moving forward with PG&E retail.	SF waiting for PG&E System Impact Study Report.	5/20/2020 (temp) 4/1/2020 (perm)		1/1/2021	Yes	417 kW/Yes	Project delayed - construction power was in dispute from Jun. 2020 to Sept. 2020 (4 months). Temp. construction power service by PG&E at retail - \$287k in lost gross revenue to SFPUC. \$30k in additional power costs to the project due to PG&E's higher rates.	No impacts update.
64	114529750	1920 Evans - Arborist Trailer/BUF Yard	10	DPW	New secondary service	Delays caused by issues with overhead poles.	Engineering estimation by PG&E.	4/16/2018	8/10/2018	10/1/2018	No	37 kW/Yes	Project has been delayed due to issues with an overhead pole. PG&E's proposed design was not feasible as it required overhead poles to be installed above underground sewer utilities.	No impacts update.
65	PG&E withholding NN#	4840 Mission Street - Affordable Housing (Construction and Perm. power)	11	MOHCD (BRIDGE Housing)	New secondary service for perm. Construction power released to PG&E retail.	Delays caused by dispute over primary vs. secondary. Project is still in dispute.	Project is at a standstill.	2/5/2020		11/1/2022	Yes	1621 kW/Yes	Project delayed - project has been in dispute since Feb. 2020 (12-13 months). Temp. construction power service by PG&E at retail - \$301k in lost gross revenue to SFPUC. \$47k in additional power costs to the project due to PG&E's higher rates.	Temp. construction power costs updated. Delays continue as PG&E is still requiring primary switchgear for this project.
66	PG&E withholding NN#	35-45 Onondaga Avenue - Health Clinic	11	Real Estate (for DPH)	Upgrade and relocation of existing secondary service	Delays caused by dispute over primary vs. secondary. Project is moving forward at secondary.	Engineering estimation by PG&E.	6/1/2020		3/8/2021	Yes	144 kW/Yes	Project delayed - project was in dispute from Jun. 2020 - Mar. 2020 (8-9 months).	No impacts update.
67	PG&E withholding NN#	455 Athens Street - Cleveland Elementary School	11	SFUSD	Upgrade and relocation of existing secondary service	Delays caused by dispute over primary vs. secondary. Project is still in dispute.	Project is at a standstill.	10/26/2020		6/1/2021		305 kW/Yes	Project delayed - project has been in dispute since Nov. 2020 (3-4 months)	Project added.
68	PG&E withholding NN#	241 Oneida Ave. - Denman Middle School	12	SFUSD	New secondary service	Delays caused by dispute over primary vs. secondary. Project moving forward with low-side metering. (See Note 1)	Project Cancelled	9/6/2019		6/7/2021	Yes	1250 kW/Yes	Project delayed - project was in dispute from Sept. 2019 to Dec. 2019 (2-3 months) Additional project costs - \$75k (interrupter, #7 box, & installation)	Project cancelled - will be removed on next quarter's report.

Attachment A: List of Interconnection Issues

	PG&E NN#	Project Location	District #	Client Organization	Project Description (what SF applied for)	Project Status	Initial Application Submittal Date	App Deemed Complete Date	Initial Service Need Date	Did PG&E require Primary?	Load Size/Can Be Served at Secondary	PG&E committed to work w/ SF to energize in 2018	Impacts	Updates/Changes since Last Report (Sept. 2020)
69	PG&E withholding NN#	2340 San Jose Ave. - Affordable Housing	12	MOHCD (Mission Housing)	New secondary service	Delays caused by dispute over primary vs. secondary. Project is still in dispute.	Project is at a standstill.	11/21/2019		5/1/2020	Yes	800 kW/Yes	Project delayed - project has been in dispute since Jan. 2020 (13-14 months) Temp. construction power service by PG&E at retail - \$191k in lost gross revenue to SFPUC. \$34k in additional power costs to the project due to PG&E's higher rates.	Temp. construction power costs updated. Delays continue as PG&E is still requiring primary switchgear for this project.
70	N/A	Multiple Locations - Guy Wires (Franchise Issue)	N/A	SFMTA, SFPW, & SFPUC	PG&E's guy wires are impeding on SF projects.	Franchise dispute	Project is moving forward.	N/A	N/A	N/A	N/A	N/A	PG&E's unresponsiveness in removing guy wires is an obstruction to SF projects. 1) SFMTA cannot install a pole replacement to promote safety. 2) SFPW cannot construct a new ADA curb ramp. 3) SFPUC cannot finish parts of construction at the Southeast Water Treatment Plant.	Delay continues for two of the requests. SF and PG&E will continue to work together to get these resolved.
71	N/A	Multiple Service Transfers	N/A	Various City Depts.	Service Transfers	Delays caused by PG&E requiring unnecessary equipment or information for service transfer requests.	Project is at a standstill.	N/A	N/A	N/A	N/A	N/A	Additional costs and staff resources can be incurred if PG&E continues to create barriers for SF service transfer requests. SF continues to experience loss of revenue and increased greenhouse gas emissions as PG&E is refusing to transfer over City department loads.	Delays continue as projects remain at a standstill.
72	N/A	10501 Warnerville Road - Substation Rehabilitation Project	N/A - Oakdale	SFPUC	Remove two existing services and replace with one secondary service	Delays caused by dispute over primary vs. secondary. Project is still in dispute.	Project went to PG&E retail.	12/26/2018	N/A	3/1/2019	Yes	160 kW/Yes	Project delayed - project was in dispute from Jan.- May 2019 (4 -5 months).	Project will now be served by PG&E retail service to avoid delays. Cost impacts and greenhouse gas emission impacts are TBD.
73	N/A	951 Antoinette Lane - Well Pump & Control Panel	N/A - South SF	SFPUC	Remove two existing services and replace with one secondary service	Delays caused by dispute over primary vs. secondary. Project is still in dispute.	Project is at a standstill.	11/20/2020	N/A	12/6/2021	Yes	50 kW/Yes	Project delayed - project was in dispute since Feb. 2021 (1 month).	Project added.

Notes:

1. Low-side metering is not the same as secondary service. Low-side metering requires extra equipment costs (i.e. an interrupter, approx. \$75k). The SFPUC believes that many of these loads should be served with secondary service, but has compromised with PG&E to move projects forward.
2. Cost impacts related to lost revenue are estimates calculated off of projected load values.
3. Not all cost impacts are reflected here as increased facility and construction costs are still to be determined.
3. CO₂ emissions are calculated using estimated loads with PG&E's 2016 emissions factor.
4. Delay impacts are only calculated off of the time in which PG&E and SF were in dispute. (Other delays are not included)
5. Primary switchgear is estimated to cost an additional \$500k.

Key

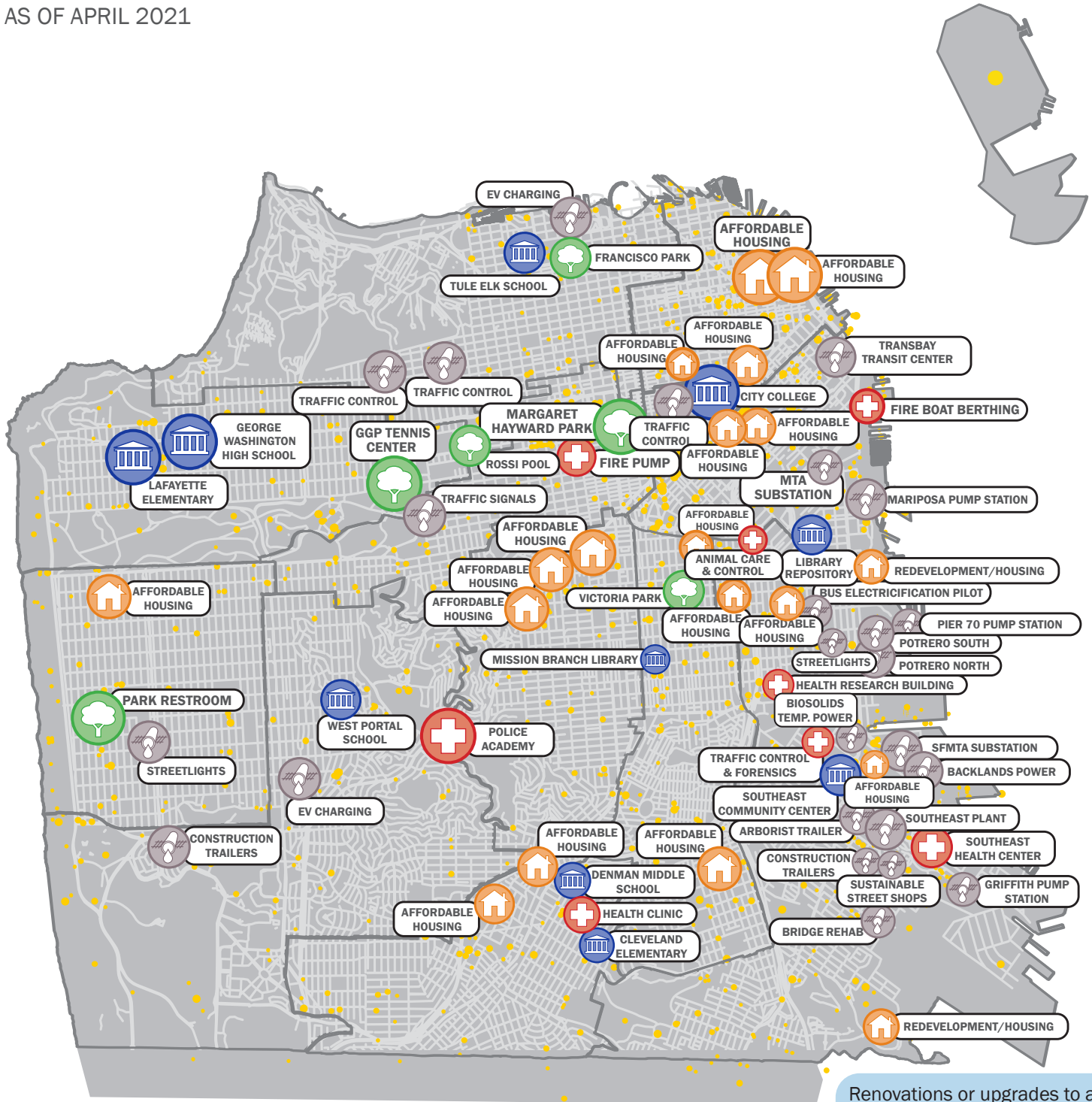
- Project is currently being disputed or has been delayed due to a dispute/issue and is past the Initial Service Need Date (Column K).
- Energized, but still facing issues.
- Project is moving forward, but not yet energized. Some are still facing major delays. Please review the impact column for further descriptions.
- Project has been energized - no outstanding issues.

ATTACHMENT B – MAP OF INTERCONNECTION ISSUES



Services of the San Francisco Public Utilities Commission

AS OF APRIL 2021



Renovations or upgrades to any of these service points could trigger service disputes and delays.



HOUSING



INFRASTRUCTURE



**HEALTH
AND SAFETY**



INSTITUTION



RECREATION



**SFPUC METERED
SERVICE POINT**

Attachment C: Cost Impacts

A	B	C	D	E	F	G	H	I	J
Project Location	Additional Costs to Project							Other Impacts to SF	
	Redesign Costs	Primary or Low-side Metering Equipment Costs	Additional Construction Costs	Additional Costs to Project for PG&E retail service	Additional Const./Project Mgmt Costs Due to Delay	Additional Staff Time Costs	Total Additional Project Costs (B+C+D+E+F+G)	Lost gross revenue to SFPUC	CO2 Emissions (lbs.) from PG&E retail service
1	600 32nd Avenue - George Washington High School	\$ 150,000	\$ 1,000,000				\$ 1,150,000		
2	4545 Anza - Lafayette Elementary			\$ 31,000			\$ 31,000	\$ 14,000	50,000
3	3401 Geary Boulevard - Streetlights & Traffic Controller						\$ -		
4	600 Arguello Blvd. - Rossi Pool						\$ -		
5	3455 Van Ness Avenue - AWSS Pump Station No. 2	\$ 75,000					\$ 75,000		
6	2110 Greenwich Street - Tule Elk Elementary	\$ 150,000					\$ 150,000		
7	2445 Hyde Street - Francisco Park	\$ 75,000			\$ 168,000		\$ 243,000		
8	102 Marina Boulevard - Fort Mason (EVGo)						\$ -		
9	950 Golden Gate Avenue - Margaret Hayward Park	\$ 150,000			\$ 330,000		\$ 480,000		
10	88 Broadway - Affordable Housing	\$ 150,000		\$ 15,000			\$ 165,000	\$ 68,000	90,625
11	735 Davis - Affordable Housing	\$ 150,000		\$ 25,000			\$ 175,000	\$ 114,000	148,837
12	Lake Merced Blvd & Sunset Blvd - Restroom						\$ -		
13	L Taraval - Streetlights						\$ -		
14	1351 42nd Street - Affordable Housing (Francis Scott Key Educator Housing)			\$ 25,000			\$ 25,000	\$ 118,000	
15	50 Bowling Green Drive - GGP Tennis Center	\$ 150,000	\$ 275,000				\$ 425,000	\$ 1,000	
16	1251 Turk Street - Affordable Housing Fire Pump						\$ -		
17	1805 Geary Blvd. - Streetlights and Traffic Signal						\$ -		
18	78 Haight Street - Affordable Housing			\$ 6,000			\$ 6,000	\$ 38,000	
19	Haight Street Traffic Signals						\$ -		
20	6 Berry Street - Substation						\$ -		
21	750 Brannan - Main Library Repository						\$ -		
22	399 The Embarcadero - Fire Boat #35	\$ 150,000	\$ 1,800,000		\$ 500,000		\$ 2,450,000		
23	555 Larkin (formerly 500 Turk Street) - Affordable Housing	\$ 150,000		\$ 24,000			\$ 174,000	\$ 196,000	243,000
24	Market St. & 7th St. - BMS Switch						\$ -		
25	1064 Mission Street - Affordable Housing	\$ 150,000		\$ 23,000			\$ 173,000	\$ 105,000	142,000
26	Transbay Transit Center - Transbay Joint Powers Authority						\$ -		
27	Mission Rock & Terry Francois Blvd. - Redevelopment Project						\$ -		
28	16 Sherman Street - Victoria Park Lighting						\$ -		
29	180 Jones Street - Affordable Housing			\$ 20,000			\$ 20,000	\$ 89,000	
30	266 4th Street - Affordable Housing						\$ -		
31	750 Eddy Street - City College (Alemany)						\$ -		
32	600 7th Street - Affordable Housing						\$ -		
33	2685 Ocean Ave. - EV Charging Station						\$ -		
34	5 Lenox Way - West Portal Elementary School	\$ 150,000					\$ 150,000		
35	2101 Sloat Boulevard - Construction Trailers		\$ 6,000				\$ 6,000		
36	350 Amber Drive - Police Academy	\$ 75,000					\$ 75,000		

Attachment C: Cost Impacts

	Additional Costs to Project							Other Impacts to SF		
	Project Location	Redesign Costs	Primary or Low-side Metering Equipment Costs	Additional Construction Costs	Additional Costs to Project for PG&E retail service	Additional Const./Project Mgmt Costs Due to Delay	Additional Staff Time Costs	Total Additional Project Costs (B+C+D+E+F+G)	Lost gross revenue to SFPUC	CO2 Emissions (lbs.) from PG&E retail service
37	1419 Bryant Street - Animal Care & Control	\$ 23,000	\$ 353,000	\$ 150,000				\$ 526,000		
38	2060 Folsom Street - Affordable Housing	\$ 2,000	\$ 150,000		\$ 53,000			\$ 205,000	\$ 295,000	385,000
39	681 Florida Street - Affordable Housing		\$ 150,000		\$ 12,000			\$ 162,000	\$ 59,000	77,000
40	1990 Folsom Street - Affordable Housing	\$ 2,000	\$ 150,000		\$ 38,000			\$ 190,000	\$ 181,000	247,000
41	3001-3021 24th Street - Affordable Housing							\$ -		
42	300 Bartlett Street - Mission Branch Library							\$ -		
43	800 Amador Street - Pier 94 - Backlands	\$ 50,000	\$ 500,000				\$ 50,000	\$ 600,000		
44	Illinois St. & Terry Francois - Mariposa Pump Station				\$ 22,000	\$ 100,000		\$ 122,000	\$ 588,000	554,000
45	684 23rd Street - Potrero North							\$ -		
46	638 23rd Street - Potrero South							\$ -		
47	1001 22nd Street - Bus Electrification Pilot							\$ -		
48	1995 Evans - Traffic Controls and Forensics		\$ 75,000		\$ 578,000			\$ 653,000		
49	750 Phelps - Southeast Plant							\$ -		
50	2401/2403 Keith Street - Southeast Health Center		\$ 150,000					\$ 150,000		
51	1550 Evans Ave - Southeast Community Center		\$ 500,000					\$ 500,000		
52	Islais Creek Bridge Rehab (3rd Street)		\$ 75,000					\$ 75,000		
53	1150 Phelps - Construction Trailers							\$ -		
54	480 22nd Street - Pier 70 Pump Station							\$ -		
55	1601 Griffith Street - Griffith Pump Station				\$ 27,000			\$ 27,000		
56	Harmonia Street - Sunnydale HOPE							\$ -		
57	1101 Connecticut Street - HOPE Potrero							\$ -		
58	603 Jamestown Avenue - Redevelopment Project							\$ -		
59	702 Phelps Street - SFMTA Substation							\$ -		
60	1800 Jerrold Avenue - Biosolids (Temp. Power)							\$ -		
61	901 Tennessee Street							\$ -		
62	1508 Bancroft Avenue - Sustainable Streets Shop							\$ -		
63	1001 Potrero Avenue - UCSF/SFGH Research & Academic Building Construction and Permanent Power				\$ 30,000			\$ 30,000	\$ 287,000	
64	1920 Evans - Arborist Trailer/BUF Yard							\$ -		
65	4840 Mission Street - Affordable Housing				\$ 47,000			\$ 47,000	\$ 301,000	
66	35-45 Onondaga Avenue - Health Clinic							\$ -		
67	455 Athens Street - Cleveland Elementary School									
68	241 Oneida Avenue - Denman Middle School		\$ 75,000					\$ 75,000		
69	2340 San Jose Avenue - Affordable Housing				\$ 35,000			\$ 35,000	\$ 191,000	
70	Multiple Locations - Guy Wires (Franchise Issue)							\$ -		
71	Multiple Service Transfers							\$ -		
72	10501 Warnerville Road - Substation Rehabilitation Project							\$ -		
73	951 Antoinette Lane - Well Pump & Control Panel							\$ -		
	TOTAL	\$ 77,000	\$ 3,903,000	\$ 3,231,000	\$ 1,011,000	\$ 1,098,000	\$ 50,000	\$ 9,370,000	\$ 2,645,000	1,937,462

Attachment C: Cost Impacts

Project Location	Additional Costs to Project							Other Impacts to SF	
	Redesign Costs	Primary or Low-side Metering Equipment Costs	Additional Construction Costs	Additional Costs to Project for PG&E retail service	Additional Const./Project Mgmt Costs Due to Delay	Additional Staff Time Costs	Total Additional Project Costs (B+C+D+E+F+G)	Lost gross revenue to SFPUC	CO2 Emissions (lbs.) from PG&E retail service

Total Additional Project Costs	\$ 9,370,000.00
Total Lost Gross Revenue to SFPUC	\$ 2,645,000.00
Total Cost Impact to SF (Project Costs + Lost Revenue)	\$ 12,015,000.00
Total CO2 Emissions (lbs.)	1,937,462

Note: These represent estimates of the costs that the City is aware of at the moment. The projects may incur additional costs going forward. The projects in **RED** are projects that are currently at a standstill and may face financial impacts that are TBD depending on how long they will be delayed and how they will move forward.