

March 31, 2020

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 in accordance with Resolution No. 227-18, approved by the Board on July 10, 2018 (File No. 180693) and enacted on July 20, 2018.

Pursuant to the terms of Resolution No. 227-18, the San Francisco Public Utilities Commission (SFPUC) shall "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."

**REPORT SUMMARY:**

For the reporting period of November through March 2020, the SFPUC has identified 77 projects that have experienced interconnection delays, arbitrary requests or increased project costs, as listed in **Attachment A**. Since the last quarterly report, 14 projects have been added and 2 projects have been energized.

Any 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

**London N. Breed**  
Mayor

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Commissioner

**Sophie Maxwell**  
Commissioner

**Tim Paulson**  
Commissioner

**Harlan L. Kelly, Jr.**  
General Manager



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 projects that are at a standstill as those costs are still to be determined.

## **ONGOING INTERCONNECTION ISSUES:**

City projects continue to be impacted by PG&E's actions which cause significant delays and increase costs. Since the first of these reports were submitted in October 2018, the City has submitted an additional 50 applications<sup>1</sup> for service under PG&E's Wholesale Distribution Tariff (WDT). Out of these 50 applications, 30 have resulted in interconnection disputes with PG&E, of which 17 are moving forward after extensive delays or compromises by the City to avoid further delays. Only 4 projects have been energized and the City has agreed to withdraw another 5 projects.

The five categories below summarize the ongoing interconnection disputes between the City and PG&E.

1. ***Delay tactics and cancellations stall City projects:*** PG&E continues to ignore the timelines and terms set forth in their WDT. Out of the 77 projects listed in Attachment A, 31 projects have faced PG&E-caused delays of over 6 months, with 7 projects facing delays of over a year. PG&E has also started cancelling some City applications for service claiming that the City did not provide PG&E with the required information within the timeframes set forth in the WDT. PG&E's insistence on cancelling applications is troubling as City staff actively engages with PG&E on these projects on a weekly basis.
2. ***Denial of City's requested load impacts essential City services:*** PG&E continues to reduce the reserved capacity, or load service size, requested in the City's applications for service. PG&E's refusal to accommodate the City's requested load jeopardizes the SFPUC's ability to serve critical loads, such as new affordable housing developments. The HOPE housing redevelopment projects are being held up by this issue. The City also recently filed a protest with the Federal Energy Regulatory Commission (FERC) over PG&E's arbitrary reduction of the reserved capacity for a service transfer customer.
3. ***Arbitrary primary service requirements for small projects increase costs for the City:*** PG&E still requires primary service for projects with smaller load sizes that are normally served by secondary service. While PG&E has agreed to provide low-side metering for a limited number of projects, there are still projects being held up by PG&E's arbitrary requirement. In addition to delays, PG&E's requirement that the City use low-side metering or primary metering

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<sup>1</sup> These applications include new services and relocations and upgrades of existing services. This count does not include unmetered load (streetlights & traffic signals), service transfer requests, shutdown requests, and service removal requests.

for loads that could receive secondary services increases the City's costs. This dispute is presently before FERC.

4. ***Demands for costly and unnecessary upgrades to City projects:*** Several projects are stalled or facing increased costs due to PG&E either requiring extra equipment or payment for upgrades to PG&E's own distribution system. PG&E has yet to provide adequate explanations or cost justifications for its requirements. In January, FERC held a hearing on the City's pending complaint regarding this issue.
  
5. ***Refusal to acknowledge the City's control of its own facilities prohibits the City's growth:*** In addition to violating the terms of the Tariff, PG&E is restricting the City's ability to grow its customer base by denying the City's requests to serve existing PG&E customers who want to receive service from the City. PG&E initially approved two of these transfers, but now refuses to do so, even though the City meets all the requirements set forth in the WDT and owns or controls the facilities. The City plans to submit a protest to FERC regarding this issue.

#### **STATUS OF DISPUTES WITH PG&E BEFORE FERC:**

On November 21, 2019, FERC issued an order in the City's 2014 complaint and related cases. In the Order, FERC rejected the City's claim that all of its load was eligible for service under the Federal Power Act without adding new facilities because the City had been serving the same customers for decades. FERC agreed with PG&E's approach, finding that only a limited number of loads were eligible for service without additional facilities. FERC found that it was reasonable for PG&E to treat any City load that was relocating as a new delivery point requiring new facilities.

On December 20, 2019, the City filed a request for rehearing with FERC. Under the Federal Power Act, the filing of a request for rehearing is required before seeking review from a federal Court of Appeals. On January 20, 2019, FERC issued an Order Granting Rehearing for Further Consideration. This order allows FERC additional time to consider the matters the City raised on rehearing.

The City and PG&E filed a partial settlement with the FERC on December 14, 2018 to resolve certain procedural and technical disputes the City raised in ten protests the City filed with FERC in 2017 and 2018. On June 20, 2019, the Commission approved the settlement. Some issues in the protest that were not completely resolved by the settlement were assigned to a FERC trial judge for additional review. A hearing in that matter was held trial in January 2020. One of the issues in that proceeding is whether PG&E is wrongfully charging the City for upgrades to its system. The Administrative Law Judge assigned to the matter is expected to issue an Initial Decision in July. The Initial Decision will have to be approved by FERC.

The City filed a second complaint against PG&E with FERC on January 28, 2019 to address PG&E's demand for primary service for small facilities. PG&E asserted that any action on the complaint was stayed by the bankruptcy. On April 18, 2019, the City filed a motion in the PG&E bankruptcy case asking the court to grant relief from the stay and allow the City's complaint to proceed. The court granted the City's motion on May 9, 2019.

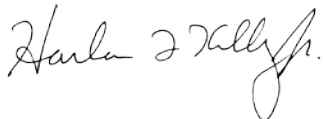
On May 29, 2019, PG&E filed a response to the City's complaint and asked FERC to dismiss the City's complaint. On June 14, 2019, the City filed reply to PG&E's motion. On July 18, 2019, the City filed a supplement to the complaint in which the City noted that recently PG&E has refused to discuss any alternative arrangements that would allow projects to move forward. On February 25, 2020, the City filed a second supplemental reply to the complaint to clarify the record concerning some statements PG&E had made to FERC concerning the availability of certain metering equipment. We are awaiting an order from FERC on next steps.

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 March 2020
- **Attachment B:** Map of projects with PG&E power connection delays as of March 2020
- **Attachment C:** Cost impacts

Should you have any questions, please contact Barbara Hale, SFPUC Assistant General Manager for Power, at [BHale@sfgwater.org](mailto:BHale@sfgwater.org) and 415-554-2483.

Sincerely,

A handwritten signature in cursive script that reads "Harlan L. Kelly, Jr." The signature is written in dark ink and is positioned above the printed name.

Harlan L. Kelly, Jr.  
General Manager

**Attachment A: BOS Quarterly Report for March 2020**

	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 (Nov. 2019)
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. <b>Service Agreement returned with payment by SFPUC.</b>	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). Additional project costs - \$75k (interrupter, #7 box, & 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.	Disputes over PG&E's proposed design could add an additional \$1M cost to the project.
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. <b>PG&amp;E reviewing application.</b>	10/9/2018		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)	Project is moving forward at secondary service (like-for like switchgear replacement). The \$75k cost for an additional interrupter is not applicable anymore.
3	118155073	3401 Geary Blvd. - Streetlights and Traffic Controller	1	SFMTA	New secondary service	Delays caused by PG&E providing the Service Agreement late. <b>Engineering estimation by PG&amp;E</b>	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.	Project added.
4	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) <b>PG&amp;E is withholding project scope information that validates costs.</b>	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).	Delay continues - PG&E still has not provided project scope in relation to cost detail in the Service Agreement. SF has been waiting for this since early August 2019.
5	113826565	3630 Divisadero - Claire Lilenthal School	2	SFUSD	Upgrading existing secondary service	Delays caused by dispute over primary vs. secondary. Project moving forward with low-side metering. (See Note 1) <b>Energized</b>	11/14/2017	5/24/2018	5/1/2018	Yes	461 kW/Yes	X	Project delayed - project was in dispute from Nov. 2017 - Apr. 2018. (5-6 months). The construction of a new building on campus has been delayed as a result. Additional project costs - \$55k (interrupter, #7 box, & installation)	Interrupter costs updated. Service was energized in August 2019. Project will be removed in next quarter's report.
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) <b>PG&amp;E reviewing application.</b>	6/15/2018		6/1/2019	Yes	300 kW/Yes		Project delayed - project was in dispute from Jun. 2018 - Oct. 2019 (14-15 months) Additional project costs - \$75k (interrupter, #7 box, & 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) <b>PG&amp;E reviewing application.</b>	1/9/2019	6/6/2019	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) If the project is not energized by June 2020, the park may not be able to open. The project expects overhead costs of \$150k/month.	No impacts update yet, but project is on critical timeline.
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. <b>Project is at a standstill.</b>	12/13/2018		7/15/2019	Yes	600 kW/Yes		Project delayed - project has been in dispute since Dec. 2018 (13-14 months). If required, primary switchgear would cost the project an additional \$500k.	No update - project is still at a standstill. PG&E is now threatening to cancel this project.
9	111772188	Ferry Terminal	3	SFPORT for WETA	New secondary service	Delays caused by dispute over primary vs. secondary. Project moving forward with low-side metering. (See Note 1) <b>Service point proposed by PG&amp;E is far from the project site and presents logistical challenges for trenching.</b>	7/5/2016	6/20/2018	6/18/2017	Yes	150 kW/Yes	X	The Downtown Ferry Terminal is currently using power from the Agriculture Building. Delays of this service request could delay the redevelopment of the Agriculture Building. This would cause a delay to a build out of a new shorepower connection which would result in significant air pollution from up to 6 ferries idling in the berth. Additional project costs - \$75k (interrupter, #7 box, & installation) Additional staff time for Port - \$32k Additional staff time for WETA - \$64k Costs of redesign - \$32k PG&E has caused further delays by not providing the service agreement on time (4+ months late).	PG&E's interconnection point may have large ramifications to project cost and timeline. The City has requested PG&E to look at alternate interconnection points and PG&E has refused.
10	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) <b>In construction</b>	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 - \$75k (interrupter, #7 box, & installation) Potential further delays due to transformer relocation that will block the contractor's access to the construction site (financial impact TBD).	No impacts update.
11	115020677	88 Broadway - Affordable Housing (125 units)	3	BRIDGE Housing	New secondary service	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. <b>Engineering estimation by PG&amp;E. (2nd time)</b>	10/1/2018	3/19/2019	12/2/2019	N/A	1674 kW/Yes		Temp. construction power service by PG&E at retail - \$618k in lost gross revenue to SFPUC. \$79k in additional power costs to PG&E's higher rates. Additional project costs - \$150k (2 interrupters, 2 #7 boxes, & installation) 1,090,000 lbs. of CO2 emissions (construction period of 18 months)	Further delays caused by PG&E error in estimation. PG&E is currently re-estimating.

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	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 (Nov. 2019)
12	115019804	735 Davis - Affordable Housing (53 units)	3	BRIDGE Housing	New secondary service	Delays caused by dispute over primary vs. secondary. Project moving forward with low-side metering. (See Note 1)	In construction	10/1/2018	3/8/2019	12/2/2019	N/A	683 kW/Yes	Temp. construction power service by PG&E at retail - \$335k in lost gross revenue to SFPUC. \$18k in additional power costs to the project due to PG&E's higher rates. Additional project costs - \$150k (2 interrupters, 2 #7 boxes, & installation) 554,000 lbs of CO <sub>2</sub> emissions (construction period of 19 months)	No impacts update.
13	N/A	Stockton btwn Ellis & O'Farrell - Central Subway Streetlight Reinstallation	3	SFMTA	Streetlight re-installation	Franchise Agreement dispute	Some issues remain, but SF and PG&E are working together to ensure proper streetlight installation.	N/A	N/A	N/A	N/A	N/A	PG&E and the City are in disagreement on who is responsible for re-installing the foundations for the historic streetlights. The City believes this scope of work falls under the franchise agreement.	No impacts update. Issues resolved. Project will be removed in next quarter's report.
14	114088011	Lake Merced Blvd & Sunset Blvd - Restroom	4	SFRPD	New secondary service	Delays caused by dispute over primary vs. secondary.	PG&E has placed project on hold while reviewing service connection options.	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.	No impacts update - delays continue as PG&E is still reviewing whether or not utilities need to be undergrounded in the area.
15	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. Project delayed - impacts TBD.	Project added.
16	113135002	49 South Van Ness Avenue - Building Inspection Office	5	SFPW for SFDBI	New primary service	Delays caused by PG&E failing to provide Service Agreement on time.	Energized	8/7/2017	11/10/2017	1/1/2019	N/A	5848 kW/No	Project delayed - SFPUC granted a time extension to PG&E of one extra month to provide Service Agreement. PG&E took an extra 4 months to provide the service agreement.	No impacts update. Service was energized in Dec. 2019.
17	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)	In construction	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 - \$75k (interrupter, #7 box, & installation), \$275k (for upgrades to PG&E's system) Lost gross revenue to SFPUC due to delays: \$1k	No impacts update.
18	114907923	1251 Turk Street - Affordable Housing Fire Pump	5	TNDC	New secondary service	Delays caused by PG&E not providing necessary cost detail.	Service Agreement issued by PG&E.	8/17/2018	8/10/2019	2/17/2019	No	75 kW/Yes	Project delayed - PG&E is requiring \$250k plus trenching costs for a fire pump service that brings the existing affordable housing development up to code. It looks like PG&E is including upgrades to their own distribution system in the cost. SF is waiting for further cost justification.	Project added.
19	118155015	1805 Geary Blvd. - Streetlights and Traffic Signal	5	SFMTA	New secondary service	Delays caused by PG&E providing the Service Agreement late.	Engineering estimation by PG&E	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.	Project added.
20	112173182	Pier 26 - Fire Boat Berthing	6	SFPW for SFFD	New secondary service	PG&E initially required primary. Project is moving forward with secondary service.	Energized	10/28/2016	3/2/2017	2/20/2017	Yes	216 kW/Yes	The dispute with PG&E lasted a month and had no material impact on project. The project has been delayed due to non-PGE factors.	No impacts update. Service was energized in October 2019. Project will be removed in next quarter's report.
21	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.	Construction completed.	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)	Further delays caused by PG&E's scheduling and equipment delays. The project is waiting for PG&E to energize.
22	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.
23	TBD	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)	PG&E reviewing application.	1/14/2019		12/27/2019	Yes	430 kW/Yes	Project delayed - project was in dispute from Jan. 2019 - Oct. 2019 (8-9 months).	No impacts update.
24	TBD	16th & Terry Francois Blvd. - Mission Bay Ferry Landing	6	SFPORT	New secondary service	Delays caused by dispute over primary vs. secondary. Project moving forward with low-side metering. (See Note 1)	PG&E reviewing application.	6/30/2019		1/3/2020	Yes	100 kW/Yes	Project delayed - project was in dispute from Jan. 2019 - Oct. 2019 (8-9 months). Additional staff time for Port - \$70k (from original application that was cancelled)  Costs of redesign - \$30k (from original application that was cancelled)	No impacts update.
25	115071498	555 Larkin (formerly 500 Turk) - Affordable Housing (108 units)	6	TNDC	New secondary service	Delays caused by dispute over primary vs. secondary. Project moving forward with low-side metering. (See Note 1)	Engineering estimation by PG&E.	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 - \$402k in lost gross revenue to SFPUC. \$9k in additional power costs to the project due to PG&E's higher rates. Additional project costs - \$150k (2 interrupters, 2 #7 boxes, & installation) 643,000 lbs. of CO <sub>2</sub> emissions (construction period of XX months)	No impacts update.



**Attachment A: BOS Quarterly Report for March 2020**

	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 (Nov. 2019)
26	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.	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.	Delays continue as PG&E is not providing adequate cost explanation.
27	TBD	1064 Mission St. - Affordable Housing (256 units)	6	Mercy Housing	New secondary service	Delays caused by dispute over primary vs. secondary. Project moving forward with low-side metering. (See Note 1)	3/28/2019		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)	No impacts update.
28	N/A	Transbay Transit Center - Transbay Joint Powers Authority	6	SFPUC - Power	Two new primary services (5 MW each)	Potential dispute over reserved capacity.	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.
29	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.	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.	Delays continue as PG&E still has not provided the Service Agreement.
30	117795024	16 Sherman Street - Victoria Park Lighting	6	SFRPD	Upgrading existing secondary service	Delays caused by PG&E providing the Service Agreement late.	10/30/2019	11/20/2019	2/15/2020	N/A	42 kW/Yes		Park safety is at risk as PG&E delays the energization of these lighting fixtures.	Project added.
31	110299505	4- 8 Guy Place - Guy Place Park	6	SFRPD	New secondary service	Delays caused by PG&E providing inconsistent information.	IN FLIGHT (Prior to July 2015)	N/A	N/A	No	N/A		Project delayed - impacts TBD.	Project added.
32	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.	2/4/2019		7/22/2019	Yes	600 kW/Yes		Project delayed - project has been in dispute since Feb. 2019 (11-12 months). If required, primary switchgear would cost the project an additional \$500k.	No update - project is still at a standstill. PG&E is now threatening to cancel this project.
33	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)	7/26/2019		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 - \$75k (interrupter, #7 box, & installation)	No impacts update.
34	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)	8/8/2017	5/22/2018	6/15/2018	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.
35	114315107	4235 19th Street - Harvey Milk Civil Rights Academy	8	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)	2/12/2018	7/12/2019	9/1/2019	Yes	300 kW/Yes	X	Project delayed - project was in dispute from Feb. 2018 - Jun. 2018. (3-4 months). Safety improvements and the construction of a new building have been delayed as a result. Additional project costs - \$75k (interrupter, #7 box, & installation) Further design delays will impact the project construction budget and timeline.	No impacts update.
36	113161547	1296 Shotwell Street - Affordable Senior Housing (94 units)	9	MEDA	New secondary service	Delays caused by dispute over primary vs. secondary. Project moving forward with low-side metering. (See Note 1)	7/26/2017	11/9/2017	2/1/2018	Yes	340 kW/Yes		Project delayed - project was in dispute from August 2017-Oct 2017 (2-3 months). Additional project costs - \$75k (interrupter, #7 box, & installation)	No impacts update. Service was energized in August 2019. Project will be removed in next quarter's report.
37	114149145	1271 Treat Avenue - Garfield Pool	9	SFRPD	Upgrading and relocating existing secondary service	Delays caused by dispute over primary vs. secondary. Project moving forward with low-side metering. (See Note 1)	12/28/2017	8/17/2018	5/1/2018	Yes	200 kW/Yes	X	Project delayed - project was in dispute from Jan. 2018 - May 2018. (3-4 months) Additional project costs - \$250k (interrupter, #7 box, transformer, main switchboard, installation, & trenching)	No impacts update.
38	113773996	1419 Bryant Street - Animal Care & Control	9	SFACC	New secondary service	Delays caused by dispute over primary vs. secondary. Project moving forward with primary.	10/25/2017	2/12/2019	9/1/2019	Yes	818 kW/Yes		Added costs for primary equipment - \$500k Additional construction costs - \$328k Costs of redesign - \$23k	No impacts update.

**Attachment A: BOS Quarterly Report for March 2020**

	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 (Nov. 2019)
39	114248007	1950 Mission Street - Affordable Housing (157 units)	9	BRIDGE & Mission Housing	New secondary service	Delays caused by dispute over primary vs. secondary. Project moving forward with low-side metering. (See Note 1)	In construction	1/18/2018	3/11/2019	9/2/2019	Yes	617 kW/Yes	Project delayed - project was in dispute from Jan. 2018 - Sept. 2018 (8-9 months) PG&E retail temporary power for construction was also delayed by a few months. Costs for primary redesign (and then low-side metering)- \$45k Temp. construction power service by PG&E at retail - \$294k in lost gross revenue to SFPUC. \$81k in additional power costs to the project due to PG&E's higher rates. Additional project costs - \$150k (2 interrupters, 2 #7 boxes, & installation) 623,000 lbs. of CO <sub>2</sub> emissions (construction period of 18 months) Generator costs (for temporary construction power): \$390k	No impacts update.
40	114232705	490 South Van Ness Avenue - Affordable Housing (81 units)	9	BRIDGE & Mission Housing	New secondary service	Delays caused by dispute over primary vs. secondary. Project moving forward with low-side metering. (See Note 1)	In construction	1/16/2018	3/8/2019	10/1/2019	Yes	867 kW/Yes	Project delayed - project was in dispute from Feb. 2018 - Nov. 2018. (8-9 months) Costs for redesign (primary service with low-side metering) - \$15k Temp. construction power service by PG&E at retail - \$145k in lost gross revenue to SFPUC. \$43k in additional power costs to project due to PG&E's higher rates. 294,000 lbs. of CO <sub>2</sub> emissions (construction period of 16 months) 740,000 lbs of CO <sub>2</sub> emissions from four months of generator use. Additional project costs - \$150k (2 interrupters, 2 #7 boxes, & installation) Generator costs - \$273k for fuel for first four months (if continues will be another \$50k/month)	No impacts update.
41	114671141	2060 Folsom Street - Affordable Housing (127 units)	9	MEDA	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	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 - \$581k in lost gross revenue to SFPUC. \$8k in additional power costs to project due to PG&E's higher rates. Additional project costs - \$150k (2 interrupters, 2 #7 boxes, & installation) 922,000 lbs. of CO <sub>2</sub> emissions (construction period of 22 months)	No impacts update.
42	PG&E withholding NN#	681 Florida Street - Affordable Housing (131 units)	9	MEDA	New secondary service	Delays caused by dispute over primary vs. secondary. Project moving forward with low-side metering. (See Note 1)	Engineering estimation by PG&E.	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 - <b>Costs and CO<sub>2</sub> emissions TBD</b> Additional project costs - \$150k (2 interrupters, 2 #7 boxes, & installation)	Delays continue as PG&E is late in providing the Service Agreement.
43	114345033	1990 Folsom Street - Affordable Housing (143 units)	9	MEDA	New secondary service	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 - \$563k in lost gross revenue to SFPUC. \$29k in additional power costs to project due to PG&E's higher rates. Additional project costs - \$150k (2 interrupters, 2 #7 boxes, & installation) 927,000 lbs. of CO <sub>2</sub> emissions (construction period of 22 months)	No impacts update.
44	115148446	3001-3021 24th St. - Affordable Housing (44 units)	9	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.
45	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 (1 month). If required, primary switchgear would cost the project an additional \$500k.	Project added.
46	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.	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	Delays continue due to maritime easement constraints.
47	113934715	2241 Jerrold Avenue - Ambulance Deployment Facility	10	SFPW for SFFD	New secondary service	Delays caused by dispute over primary vs. secondary. Project moving forward at low-side metering. (See Note 1)	In construction	3/9/2017	2/8/2018	1/1/2018	Yes	300 kW/Yes	Project delayed- project was in dispute from May 2017 - Nov 2017 (6 months). Construction plans for the new ambulance deployment facility have been delayed as a result. Additional project costs - \$75k (interrupter, #7 box, & installation) Costs of redesign - \$100k Costs of construction delays - \$250k Additional Staff Time for SFPW - \$100k Lost gross revenue to SFPUC due to delays: \$110k	No impacts update.
48	113167478	1909 16th Street - Streetlights	10	SFPUC - Power	Streetlight attachment on traffic signal	Delays caused by dispute over the "Okay to Serve" process. PG&E has recently indicated that this streetlight attachment can be connected without issues.	Dispute is still ongoing, but project is able to move forward.	8/17/2017	11/3/2017	1/12/2018	N/A	N/A	PG&E required an "Okay to Serve" process which caused delays to getting streetlights installed. The streetlight attachment load is really small (less than 1 kW) and remains significantly lower than what SF has paid for at that service point.	No impacts update.
49	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 CO <sub>2</sub> 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.



**Attachment A: BOS Quarterly Report for March 2020**

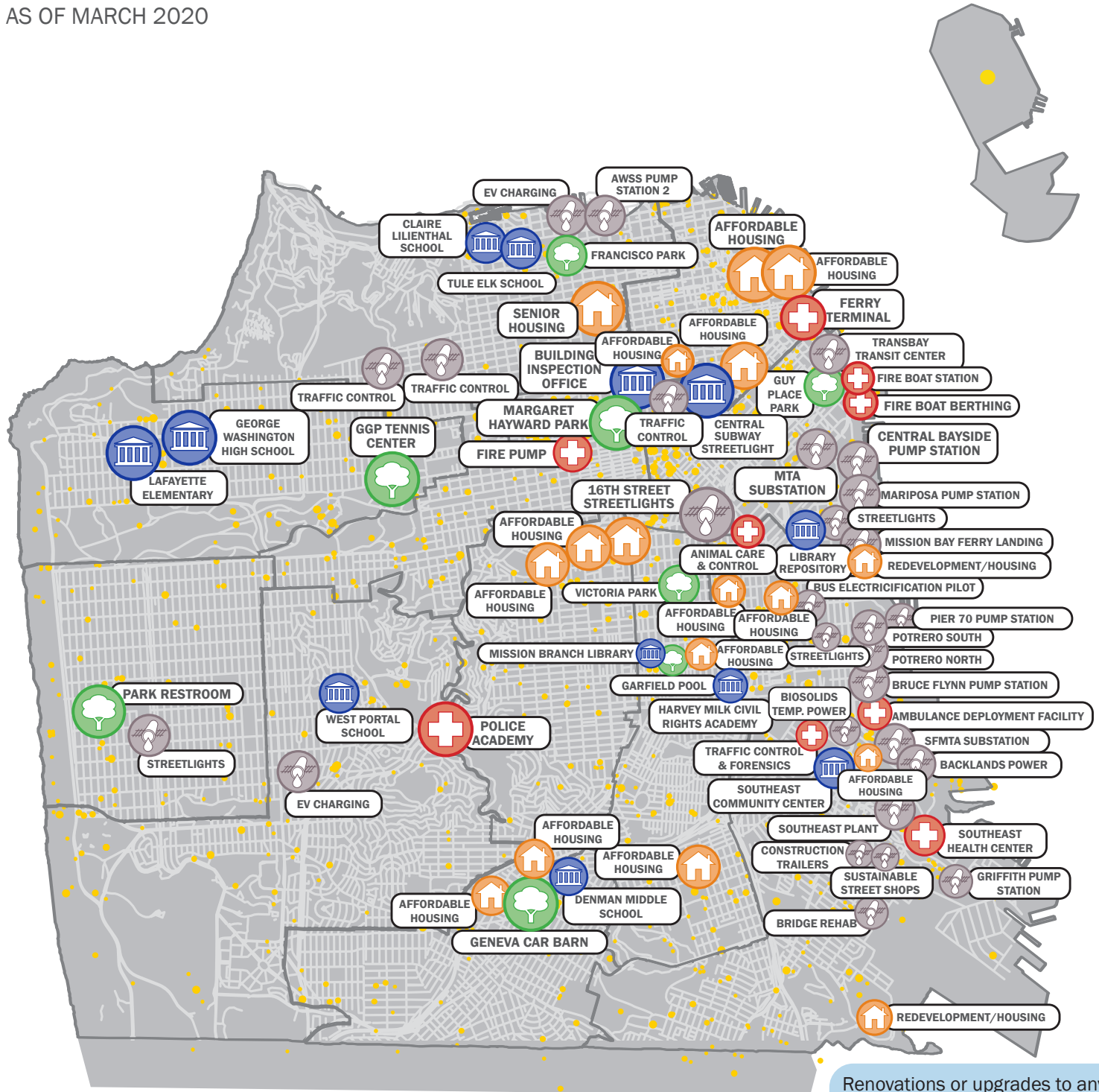
	PG&E NN#	Project Location	District #	Client Organization	Project Description (what SF applied for)	Project Status	Initial Application Submittal Date	App Deemed Complete Date	Initial Service Need Date	Did PG&E require Primary?	Load Size/Can Be Served at Secondary	PG&E committed to work w/ SF to energize in 2018	Impacts	Updates/Changes since Last Report (Nov. 2019)
50	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.
51	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.
52	114713787	1001 22nd Street - Bus Electrification Pilot	10	SFMTA	New primary service	Project is moving forward. Engineering estimation by PG&E.	6/18/2018	2/14/2019	5/1/2019	N/A	2000 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. PG&E delays impact the implementation of the zero emission bus fleet.	No impacts update.
53	114727202	1595 Davidson - Bruce Flynn Pump Station	10	SFPUC- Wastewater	New primary service	Potential delay as PG&E was late in providing Work Performance Agreement. Energized	6/14/2018	7/16/2018	5/1/2019	N/A	2813 kW/Yes		Potential risk of delay - no impacts to report.	No impacts update. PG&E has performed the work. This project will be removed in next quarter's report.
54	112828717	2 Rankin Street - Central Bayside Pump Station	10	SFPUC- Wastewater	New primary service	Delays caused by PG&E failing to provide Service Agreement on time. PG&E to provide facility study report.	5/1/2017	8/17/2017	6/1/2019	N/A	7000 kW/No		Project delayed - SF granted a time extension to PG&E of one extra month to provide Service Agreement. PG&E took an extra 4 months. Project incurred more delays as PG&E was late in providing the Facility Study draft agreement. Service need date is jeopardized.	Delays continue as PG&E still has not provided the Facility Study report.
55	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) Engineering estimation by PG&E.	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	No impacts update.
56	110162018	750 Phelps - Southeast Plant	10	SFPUC- Wastewater	New primary service	Potential delay as PG&E is late in providing SIS agreement. SF reviewing PG&E's updated Facility Study agreement.	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.	No impacts update.
57	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) Engineering estimation by PG&E.	4/27/2018		7/26/2020	Yes	200 kW/Yes		Project delayed - project was in dispute from May 2018 - Oct. 2019 (16-17 months). Additional project costs - \$75k (interrupter, #7 box, & installation)	Delays continue as PG&E is late in providing the Service Agreement.
58	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) Service Agreement returned with payment by SFPUC.	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	No impacts update.
59	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) PG&E reviewing application.	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.
60	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 (9-10 months) If required, primary switchgear would cost the project an additional \$500k.	No update - project is still at a standstill. PG&E is now threatening to cancel this project.
61	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.	Delays continue as PG&E has still not provided the Service Agreement.
62	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.
63	114919920	Harmonia Street - Sunnydale 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.	Delays continue as PG&E has still not adequately responded to SF's questions regarding load calculations in the System Impact Study draft agreement.
64	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.	Delays continue as PG&E has still not adequately responded to SF's questions regarding load calculations in the System Impact Study draft agreement.
65	113804831	603 Jamestown Avenue - Redevelopment Project	10	SFPUC-Power	New primary service	Delays caused by PG&E being late in providing Service Agreement. Engineering estimation by PG&E.	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.	Delays continue as PG&E has still not provided the Service Agreement.
66	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. System Impact Study phase of engineering estimation by PG&E.	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.	Project added.

**Attachment A: BOS Quarterly Report for March 2020**

	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 (Nov. 2019)
67	11742971	1808 Jerrold Avenue - Biosolids (Temp. power)	10	SFPUC-Wastewater	New primary service	Delays caused by PG&E being late in providing the Service Agreement. Engineering estimation by PG&E.	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.	Project added.
68	117974199	901 Tennessee Street - Streetlights	10	SFMTA	New secondary service	Delays caused by PG&E providing the Service Agreement late. Engineering estimation by PG&E.	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.	Project added.
69	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. Project is on hold as SF is waiting for PG&E response.	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.	Project added.
70	Several applications submitted	Mission Bay Loop - Streetlights	10	SFMTA	New secondary service (several streetlights)	Delays caused by PG&E being unresponsive. Waiting for energization	9/27/2019	8/6/2019	12/17/2019	No	9.6 kW (per service point)/Yes		Pedestrian and traffic safety is at risk as PG&E delays the energization of these streetlights.	Project added.
71	113764870	2301 San Jose Avenue - Geneva Car Barn	11	SFRPD	New secondary service	Delays caused by dispute over primary vs. secondary. Project moving forward with low-side metering. (See Note 1) Energized	8/24/2016	5/23/2018	9/20/2017	Yes	1330 kW/Yes		Project delayed- project was in dispute from Oct 2016 - Oct 2017 (1 year). Construction plans for the new community arts center have been delayed as a result. Costs of redesign: \$5k Additional project costs - \$140k (interrupter, #7 box, & installation) Lost gross revenue to SFPUC due to delays: \$13k Additional Staff Time for SFRPD: \$15k	No impacts update.
72	PG&E withholding NN#	4840 Mission Street - Affordable Housing	11	BRIDGE Housing	New secondary service	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 (1 month).	Project added.
73	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) PG&E reviewing application.	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)	The project is no longer at a standstill as PG&E has now agreed to provide low-side metering to the project.
74	PG&E withholding NN#	2340 San Jose Ave. - Affordable Housing	12	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 (1-2 months)	Project added.
75	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.
76	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.
77	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.

# ATTACHMENT B – MAP OF INTERCONNECTION ISSUES

AS OF MARCH 2020



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		\$ 75,000	\$ 1,000,000				\$ 1,075,000		
2 4545 Anza - Lafayette Elementary				\$ 31,000			\$ 31,000	\$ 14,000	50,000
3 3401 Geary Boulevard							\$ -		
4 3455 Van Ness Avenue - AWSS Pump Station No. 2		\$ 75,000					\$ 75,000		
5 3630 Divisadero - Claire Lilenthal School		\$ 55,000					\$ 55,000		
6 2110 Greenwich Street - Tule Elk Elementary		\$ 75,000					\$ 75,000		
7 2445 Hyde Street - Francisco Park		\$ 75,000					\$ 75,000		
8 102 Marina Boulevard - Fort Mason (EVGo)							\$ -		
9 Ferry Terminal	\$ 32,000	\$ 75,000				\$ 96,000	\$ 203,000		
10 950 Golden Gate Avenue - Margaret Hayward Park		\$ 75,000					\$ 75,000		
11 88 Broadway - Affordable Housing		\$ 150,000		\$ 79,000			\$ 229,000	\$ 618,000	1,090,000
12 735 Davis - Affordable Housing		\$ 150,000		\$ 18,000			\$ 168,000	\$ 335,000	554,000
13 Stockton btwn Ellis & O'Farrell - Central Subway Streetlight Reinstallation							\$ -		
14 Lake Merced Blvd & Sunset Blvd - Restroom							\$ -		
15 L Taraval - Streetlights							\$ -		
16 49 South Van Ness Avenue - Building Inspection Office							\$ -		
17 50 Bowling Green Drive - GGP Tennis Center		\$ 75,000	\$ 275,000				\$ 350,000	\$ 1,000	
18 1251 Turk Street - Affordable Housing Fire Pump							\$ -		
19 1805 Geary Blvd. - Streetlights and Traffic Signal							\$ -		
20 Pier 26 - Fire Boat Berthing							\$ -		
21 6 Berry Street - Substation							\$ -		
22 750 Brannan - Main Library Repository							\$ -		
23 399 The Embarcadero - Fire Boat #35							\$ -		
24 16th & Terry Francois Blvd. - Mission Bay Ferry Landing	\$ 30,000					\$ 70,000	\$ 100,000		
25 555 Larkin (formerly 500 Turk Street) - Affordable Housing		\$ 150,000		\$ 9,000			\$ 159,000	\$ 402,000	643,000
26 Market St. & 7th St. - BMS Switch							\$ -		
27 1064 Mission Street - Affordable Housing		\$ 150,000					\$ 150,000		
28 Transbay Transit Center - Transbay Joint Powers Authority							\$ -		
29 Mission Rock & Terry Francois Blvd. - Redevelopment Project							\$ -		
30 16 Sherman Street - Victoria Park Lighting									
31 4-8 Guy Place - Guy Place Park									
32 2685 Ocean Ave. - EV Charging Station							\$ -		
33 5 Lenox Way - West Portal Elementary School		\$ 75,000					\$ 75,000		
34 350 Amber Drive - Police Academy		\$ 75,000					\$ 75,000		
35 4235 19th Street - Harvey Milk Civil Rights Academy		\$ 75,000					\$ 75,000		
36 1296 Shotwell Street - Affordable Senior Housing		\$ 75,000					\$ 75,000		
37 1271 Treat Avenue - Garfield Pool		\$ 250,000					\$ 250,000		
38 1419 Bryant Street - Animal Care & Control	\$ 23,000	\$ 500,000	\$ 328,000				\$ 851,000		
39 1950 Mission Street - Affordable Housing	\$ 45,000	\$ 150,000		\$ 81,000	\$ 390,000		\$ 666,000	\$ 294,000	623,000
40 490 South Van Ness Avenue - Affordable Housing	\$ 15,000	\$ 150,000		\$ 43,000	\$ 273,000		\$ 481,000	\$ 145,000	1,034,000

**Attachment C: Cost Impacts**

41	2060 Folsom Street - Affordable Housing	\$ 2,000	\$ 150,000		\$ 8,000			\$ 160,000	\$ 581,000	922,000
42	681 Florida Street - Affordable Housing		\$ 150,000					\$ 150,000		
43	1990 Folsom Street - Affordable Housing	\$ 2,000	\$ 150,000		\$ 29,000			\$ 181,000	\$ 563,000	927,000
44	3001-3021 24th Street - Affordable Housing							\$ -		
45	300 Bartlett Street - Mission Branch Library							\$ -		
46	800 Amador Street - Pier 94 - Backlands	\$ 50,000	\$ 500,000			\$ 50,000		\$ 600,000		
47	2241 Jerrold Avenue - Ambulance Deployment Facility	\$ 100,000	\$ 75,000		\$ 250,000	\$ 100,000		\$ 525,000	\$ 110,000	
48	1909 16th Street - Streetlights							\$ -		
49	Illinois St. & Terry Francois - Mariposa Pump Station				\$ 22,000	\$ 100,000		\$ 122,000	\$ 588,000	554,000
50	684 23rd Street - Potrero North							\$ -		
51	638 23rd Street - Potrero South							\$ -		
52	1001 22nd Street - Bus Electrification Pilot							\$ -		
53	1595 Davidson - Bruce Flynn Pump Station							\$ -		
54	2 Rankin Street - Central Bayside Pump Station							\$ -		
55	1995 Evans - Traffic Controls and Forensics		\$ 75,000		\$ 578,000			\$ 653,000		
56	750 Phelps - Southeast Plant							\$ -		
57	2401/2403 Keith Street - Southeast Health Center		\$ 75,000					\$ 75,000		
58	1550 Evans Ave - Southeast Community Center		\$ 500,000					\$ 500,000		
59	Islais Creek Bridge Rehab (3rd Street)		\$ 75,000					\$ 75,000		
60	1150 Phelps - Construction Trailers							\$ -		
61	480 22nd Street - Pier 70 Pump Station							\$ -		
62	1601 Griffith Street - Griffith Pump Station				\$ 27,000			\$ 27,000		
63	Harmonia Street - Sunnydale HOPE							\$ -		
64	1101 Connecticut Street - HOPE Potrero							\$ -		
65	603 Jamestown Avenue - Redevelopment Project							\$ -		
66	702 Phelps Street - SFMTA Substation							\$ -		
67	1800 Jerrold Avenue - Biosolids (Temp. Power)							\$ -		
68	901 Tennessee Street							\$ -		
69	1508 Bancroft Avenue - Sustainable Streets Shop							\$ -		
70	Mission Bay Loop - Streetlights							\$ -		
71	2301 San Jose Avenue - Geneva Car Barn	\$ 5,000	\$ 140,000			\$ 15,000		\$ 160,000	\$ 13,000	
72	4840 Mission Street - Affordable Housing							\$ -		
73	241 Oneida Avenue - Denman Middle School		\$ 75,000					\$ 75,000		
74	2340 San Jose Avenue - Affordable Housing							\$ -		
75	Multiple Locations - Guy Wires (Franchise Issue)							\$ -		
76	Multiple Service Transfers							\$ -		
77	10501 Warnerville Road - Substation Rehabilitation Project							\$ -		
<b>TOTAL</b>		<b>\$ 304,000</b>	<b>\$ 4,495,000</b>	<b>\$ 1,603,000</b>	<b>\$ 925,000</b>	<b>\$ 1,013,000</b>	<b>\$ 331,000</b>	<b>\$ 8,671,000</b>	<b>\$ 3,664,000</b>	<b>6,397,000</b>

<b>Total Additional Project Costs</b>	<b>\$ 8,671,000.00</b>
<b>Total Lost Gross Revenue to SFPUC</b>	<b>\$ 3,664,000.00</b>
<b>Total Cost Impact to SF (Project Costs + Lost Revenue)</b>	<b>\$ 12,335,000.00</b>
<b>Total CO2 Emissions (lbs.)</b>	<b>6,397,000</b>

**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 will face financial impacts that are TBD depending on how long they will be delayed and how they will move forward.