



November 20, 2019

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.”

UPDATE ON CITY EFFORTS:

This report reflects the reporting period of July through October 2019. During this reporting period, the City engaged PG&E on (1) an offer to acquire PG&E’s San Francisco electrical infrastructure and (2) the poor service PG&E provides the City related to the connection of City projects to grid power.

On September 6, Mayor London Breed and City Attorney Dennis Herrera sent a letter to PG&E leadership detailing a non-binding offer of \$2.5 billion to purchase PG&E’s electrical infrastructure. On September 19, the City sent a follow-up letter to PG&E to share additional context for evaluating the City’s indicative proposal made in the September 6 letter.

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OUR MISSION: To provide our customers with high-quality, efficient and reliable water, power and sewer services in a manner that values environmental and community interests and sustains the resources entrusted to our care.



On September 26, Mayor Breed and City Attorney Herrera met with PG&E CEO Bill Johnson. At that meeting, Mayor Breed and City Attorney Herrera expressed that City officials are united in their commitment to obtain PG&E's facilities so that the City can provide power distribution service to all customers in San Francisco. Additionally, PG&E CEO Bill Johnson acknowledged at the meeting that PG&E may not have been entirely reasonable in imposing requirements for connecting City power to City projects and indicated that PG&E would do better in the future. On October 1, PG&E delivered a settlement proposal regarding connecting power to City projects. PG&E's proposed settlement was not better than any of their previous settlement offers, and in some ways it was worse. Additionally, on October 7, PG&E sent a letter to Mayor Breed and City Attorney Herrera rejecting the City's acquisition offer.

In a letter dated November 4, Mayor Breed and City Attorney Herrera responded to PG&E's rejection of the City's acquisition offer. The letter detailed why the City's \$2.5 billion offer would be beneficial to PG&E and its stakeholders and offered to continue having discussions on the topic. Additionally, the City's letter addressed PG&E's settlement proposal for connecting power to City projects. The City's letter stated that PG&E's proposal was not acceptable, and that the City will respond to PG&E with a new proposal to address the connection issues in a manner that is consistent with federal law.

REPORT SUMMARY:

For the reporting period of July through October 2019, the SFPUC has identified 64 projects that have experienced interconnection delays, arbitrary requests or increased project costs, as listed in **Attachment A**. Since the last quarterly report, 10 projects have been added and 4 have been energized. PG&E has also agreed to provide low-side metering for 11 projects that were previously at a standstill. Low-side metering is a compromise that allows the SFPUC to connect the customer but does not represent the configuration that the City believes is its right under the Federal Power Act and the Wholesale Distribution Tariff.

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 A). The total cost impacts to the City are now estimated to be more than \$11 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:

Primary vs. Secondary: As mentioned in previous reports, PG&E has been denying the City's requests for secondary (low-voltage) service and requiring primary (high voltage) service for all City projects. The City has a right to secondary service but has compromised with PG&E on many projects in order to meet energization schedules for important City projects, such as affordable housing. Even though PG&E has agreed to provide low-side metering for some projects since the last report, there are still projects being held up by PG&E's arbitrary requirement.

Service Transfers/Control Agreements: PG&E has denied the City's requests to serve customers under Control Agreements. The City, working with the customer, has met all the conditions for service transfer requests required by PG&E's Wholesale Distribution Tariff ("WDT") through Control Agreements with the customer. PG&E's refusal to transfer these loads is not consistent with the provisions of the WDT and is, in fact, contrary to the intent of open access to grid.

Redevelopment Projects: PG&E is jeopardizing the City's ability to serve redevelopment projects by refusing to perform System Impact Studies ("SIS") for the load size requested. PG&E has refused to evaluate the system impact of City projects, as required under the WDT, on a timely basis, putting the project timeline at risk. In these cases, PG&E is attempting to reduce the load service size effectively denying service to the City. To be clear, these are large projects that the City, working with the developers, is ready to provide payment for appropriate facilities and is not disputing the City's obligation to pay. But PG&E is delaying, or refusing to perform, the studies necessary to determine needed upgrades on PG&E's system to ensure safe, reliable service.

Cost Transparency: In accordance with the provisions of the WDT and to perform its due diligence on PG&E's costs passed on to the city for City projects, the City engaged in an audit process for three City projects at the end of 2017. Despite extensive efforts by the Controller's City Services Auditor and its contractor, the City has been unable to gather all the needed audit documents and schedule interviews with PG&E due to PG&E's slow responses. Due to the lack of significant progress and long delays caused by PG&E, the City has decided to terminate the audit (See Attachment D). The SFPUC continues to request cost information on a case-by-case basis but PG&E has refused to agree to a framework that provides for the on-going, routine sharing of this information.

Delays: As seen in Attachment A, PG&E continues to delay and ignore the timelines set forth in the WDT. Many of these delays lead to monetary impacts and delay the provision of public services.

NEW STREETLIGHT ISSUES WITH PG&E:

San Francisco streetlight ownership is split between PG&E and SFPUC. The SFPUC owns and operates approximately 25,000 lights, while PG&E owns and operates approximately 19,000 lights. The SFPUC makes as-needed improvements to our streetlighting without PG&E involvement. Upgrades to PG&E streetlighting, such as increasing the wattage of existing lights or installing a new streetlight, requires the SFPUC to submit a service order to PG&E.

Historically, PG&E has approved and implemented requests from the SFPUC to upgrade street lighting, using funds that SFPUC provides annually to pay for the work. **However, beginning in October 2019, without any notice or explanation, PG&E implemented new service order and funding requirements to complete upgrades to their streetlights in San Francisco. These new requirements are costly and unnecessary, and will delay public safety streetlight improvements being made to PG&E lights.**

SFPUC staff met with PG&E staff in early November to voice concerns about PG&E's new requirements, and are awaiting PG&E's response. The SFPUC will keep the Board of Supervisors updated on this new issue.

STATUS OF DISPUTES WITH PG&E BEFORE FERC:

The City and PG&E filed a partial settlement with the Federal Energy Regulatory Commission (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 have been assigned to a FERC trial judge for additional review, and a trial is scheduled for January 2020. One of the issues in that proceeding is whether PG&E is wrongfully charging the City for upgrades to its system. The City is also waiting for a FERC decision on the City's 2014 complaint and related cases that were litigated in 2016.

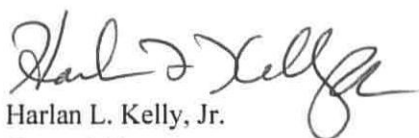
The City filed a second complaint against PG&E with FERC on January 28, 2019 to address PG&E's demand for primary service for small facilities. PG&E asserted that any action on the complaint was stayed by the bankruptcy. On April 18, 2019, the City filed a motion in the PG&E bankruptcy case asking the 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. 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 July 2019
- **Attachment B:** Map of projects with PG&E power connection delays as of July 2019
- **Attachment C:** Cost impacts
- **Attachment D:** Audit Termination Letter

Should you have any questions, please contact Barbara Hale, SFPUC Assistant General Manager for Power, at BHale@sfwater.org and 415-554-2483.

Sincerely,



Harlan L. Kelly, Jr.
General Manager

Attachment A: BOS Quarterly Report for November 2019

	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 (July 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)	Service Agreement issued by PG&E.	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)	No impacts update.
2	115047431/15322749	4545 Anza - Lafayette Elementary	1	SFUSD	New temporary service for interim trailers and upgrading existing secondary service	Delays caused by dispute over primary vs. secondary. Project moving forward with low-side metering. (See Note 1)	SF working on updated application for low-side metering.	10/9/2018		7/1/2019	Yes	150 kW		Project delayed - project was in dispute from Oct. 2018 - Oct. 2019 (1 year). Additional project costs - \$75k (interrupter, #7 box, & installation) 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)	The project is no longer at a standstill as PG&E has now agreed to provide low-side metering to this project.
3	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)	PG&E is withholding project scope information that validates costs.	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 not providing the Service Agreement on time.	PG&E continues to delay the project by not providing scope in relation to cost detail in the Service Agreement. SF has been waiting for this since early August.
4	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)	Energized	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 - \$75k (interrupter, #7 box, & installation)	No impacts update. Service was energized in August 2019.
5	114713666	2110 Greenwich Street - Tule Elk Elementary	2	SFUSD	Upgrading and relocating existing secondary service	Delays caused by dispute over primary vs. secondary. Project is still in dispute.	SF working on updated application for low-side metering.	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)	The project is no longer at a standstill as PG&E has now agreed to provide low-side metering to this project.
6	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)	SF working on updated application for low-side metering.	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)	The project is no longer at a standstill as PG&E has now agreed to provide low-side metering to this project.
7	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 (9-10 months). If required, primary switchgear would cost the project an additional \$500k.	No impacts update. Project is still in dispute.
8	110833085	838 Pacific Avenue - Ping Yuen North Affordable Housing (200 units)	3	CCDC	Replacing and relocating existing service	Delays caused by dispute over primary vs. secondary. Project moving forward with low-side metering. (See Note 1)	Energized	11/3/2015	6/20/2018	6/1/2016	Yes	500 kW/Yes		Project delayed - project was in dispute from Sept. 2016 - May 2018 (20 months). Lost gross revenue to SFPUC due to delays: \$186k Project/construction costs related to redesign and delay: \$240k	Service was energized in May 2019. Project will be removed in next quarter's report.
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)	Service point proposed by PG&E is far from the project site and presents logistical challenges for trenching.	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)	In construction	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. Project is in construction.
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)	Service Agreement returned with payment by SFPUC.	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)	An additional interrupter (\$75k) was required by PG&E late in the process. SF does not agree that this equipment is necessary.
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 CO2 emissions (construction period of 19 months)	An additional interrupter (\$75k) was required by PG&E late in the process. SF does not agree that this equipment is necessary.

Attachment A: BOS Quarterly Report for November 2019

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 (July 2019)
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.
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.	Further delays caused by PG&E proposing to underground utilities in this area.
15	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.	In construction	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. Project is in construction.
16	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)	Service Agreement returned with payment by SFPUC.	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.
17	N/A	199 Museum Way/122 State Street - Corona Heights Restroom	5	SFRPD	Return service to a bathroom that was de-energized unknowingly	PG&E accidentally cut the cable to a restroom during construction of Randall Museum.	Energized	N/A	N/A	N/A	N/A	N/A	The bathroom was out of power for over a year.	No impacts update. Project is energized. Project will be removed in the next quarterly report.
18	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.
19	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. SF preparing for energization.	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)	Cross-boring issue from previous report has been resolved. Project is moving forward.
20	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.
21	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).	The project is no longer at a standstill as PG&E has now agreed to provide low-side metering to this project.
22	TBD	16th & Terry Francois Blvd. - Mission Bay Ferry Landing	6	SFPOR	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)	The project is no longer at a standstill as PG&E has now agreed to provide low-side metering to this project.
23	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)	SF working on updated application for low-side metering.	10/15/2018		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 CO2 emissions (construction period of XX months)	The project is no longer at a standstill as PG&E has now agreed to provide low-side metering to this project.
24	116790877	Market St. & 7th St - BMS Switch	6	SFMTA	New secondary service	Delays caused by PG&E not following WDT timelines	Engineering estimation by PG&E.	3/6/2019	4/9/2019	1/4/2021	No	48 kW/Yes	Project delayed - PG&E is late in providing the service agreement.	SF is still waiting for PG&E to provide a Service Agreement.
25	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)	SF working on updated application for low-side metering.	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)	The project is no longer at a standstill as PG&E has now agreed to provide low-side metering to this project. An additional interrupter (\$75k) was required by PG&E. SF does not agree that this equipment is necessary.
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.	N/A	N/A	N/A	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.	Further delays caused by PG&E not responding to SF's questions regarding load calculations in the System Impact Study draft agreement.

Attachment A: BOS Quarterly Report for November 2019

	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 (July 2019)
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. Engineering estimation 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.	Project added.
28	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 (7-8 months). If required, primary switchgear would cost the project an additional \$500k.	No impacts update. Project is still in dispute.
29	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) SF working on updated application for low-side metering.	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)	Project added.
30	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	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.
31	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) Engineering estimation by PG&E.	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. Further delays caused by PG&E not providing the Service Agreement on time.
32	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) Energized	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.
33	114149145	1271 Treat Avenue - Garfield Pool	9	SFRPD	Relocating existing secondary service	Delays caused by dispute over primary vs. secondary. Project moving forward with low-side metering. (See Note 1) In construction	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. Project is in construction.
34	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. In construction	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. Project is in construction.
35	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 ₂ emissions (construction period of 18 months) Generator costs (for temporary construction power)- \$390k	No impacts update.
36	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) Pre-con meeting held.	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 ₂ emissions (construction period of 16 months) 740,000 lbs of CO ₂ 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.
37	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) Pre-con meeting scheduled.	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 ₂ emissions (construction period of 22 months)	No impacts update.
38	TBD	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) PG&E reviewing application.	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 - Costs and CO ₂ emissions TBD Additional project costs - \$150k (2 interrupters, 2 #7 boxes, & installation)	The project is no longer at a standstill as PG&E has now agreed to provide low-side metering to this project. An additional interrupter (\$75k) was required by PG&E. SF does not agree that this equipment is necessary.

Attachment A: BOS Quarterly Report for November 2019

	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 (July 2019)
39	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)	Pre-con meeting held.	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 CO2 emissions (construction period of 22 months)	An additional interrupter (\$75k) was required by PG&E late in the process. SF does not agree that this equipment is necessary.
40	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 impact TBD.
41	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	Further delays are caused by maritime easement constraints.
42	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. Project in construction.
43	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 is requiring an "Okay to Serve" process which can cause 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.
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	Project is moving forward.	Pre-con meeting held.	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.	No impacts update.
48	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.
49	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.	Further delays caused by PG&E not providing the Facility Study report on time.
50	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. Generator costs for temp power: \$578k	Increased project costs due to PG&E's delay in providing retail temporary construction power.
51	110162018	750 Phelps - Southeast Plant	10	SFPUC- Wastewater	New primary service	Potential delay as PG&E is late in providing SIS agreement.	PG&E reviewing SF's comments on Facility Study draft 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.	Further delays as SF is still waiting for PG&E to respond to comments on PG&E's Facility Study draft agreement.
52	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)	PG&E reviewing application.	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)	The project is no longer at a standstill as PG&E has now agreed to provide low-side metering to this project.

Attachment A: BOS Quarterly Report for November 2019

	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 (July 2019)
53	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)	Engineering estimation by PG&E.	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	Further delays caused by PG&E not providing the Service Agreement on time.
54	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)	SF working on updated application for low-side metering.	4/2/2019		5/1/2021	Yes	104 kW/Yes	Project delayed - project was in dispute from Mar. 2019 - Oct. 2019 (6-7 months).	The project is no longer at a standstill as PG&E has now agreed to provide low-side metering to this project.
55	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 (5-6 months) If required, primary switchgear would cost the project an additional \$500k.	Project added.
56	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.	Project added.
57	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.	Project added.
58	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.	Project added.
59	115583820	1101 Conecticut 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.	Project added.
60	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.	Project added.
61	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)	In construction	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. Project is in construction.
62	PG&E withholding NN#	241 Oneida Ave. - Denman Middle School	12	SFUSD	New secondary service	Delays caused by dispute over primary vs. secondary. Project is still in dispute.	Project is at a standstill.	9/6/2019		6/7/2021	N/A	1250 kW/Yes	Project delayed - project has been in dispute since Sept. 2019 (1-2 months) If required, primary switchgear would cost the project an additional \$500k.	Project added.
63	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.
64	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.	Project added.
65	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.

Notes:

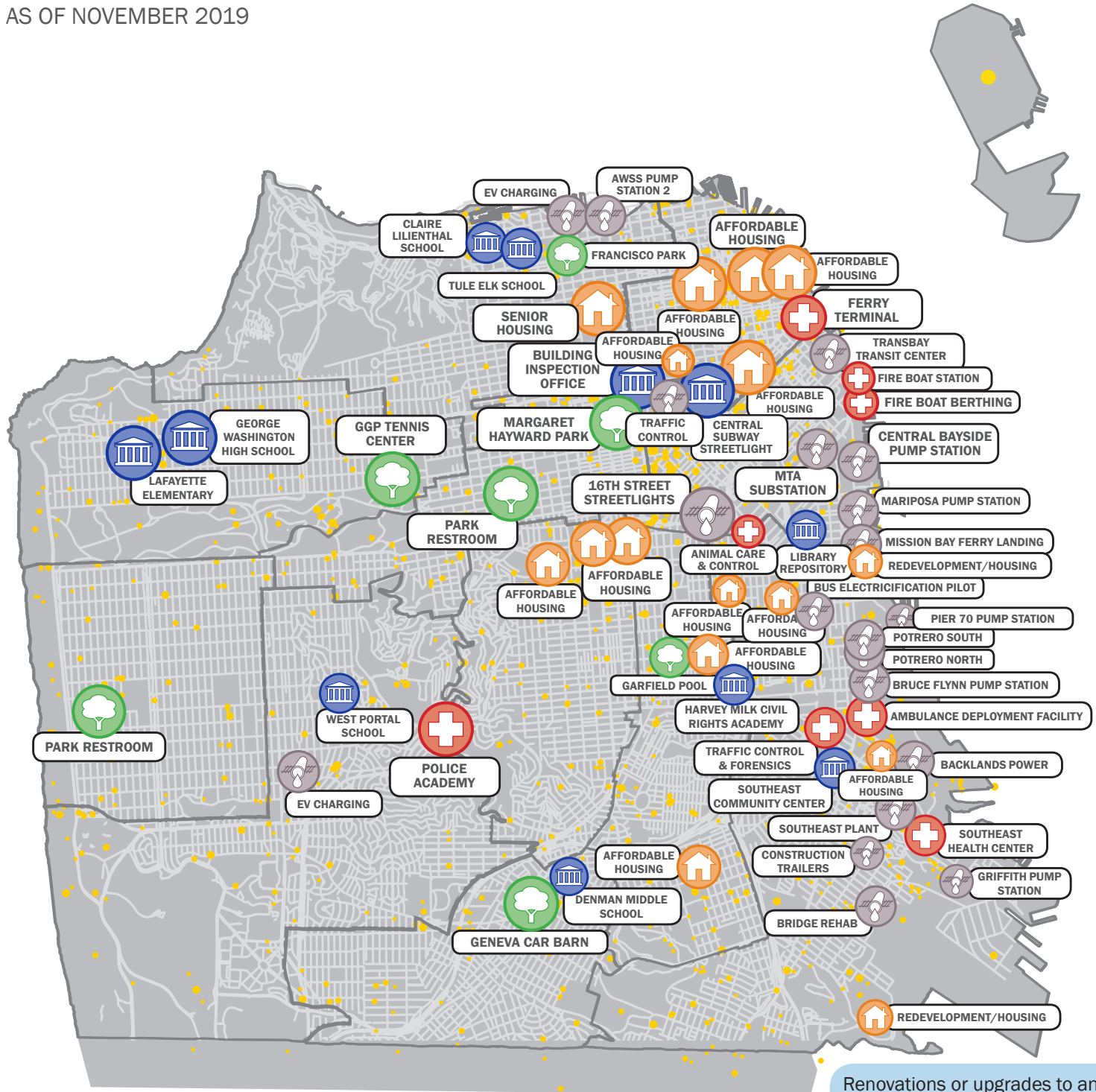
1. Low-side metering is not the same as secondary service. Low-side metering requires extra equipment costs (i.e. an interrupter, approx \$75k). The SFPUC believes that many of these loads should be served with secondary service, but has compromised with PG&E to move projects forward.
2. Cost impacts 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

AS OF NOVEMBER 2019



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					\$ 75,000		
2	4545 Anza - Lafayette Elementary	\$ 75,000			\$ 31,000		\$ 106,000	\$ 14,000	50,000
3	3455 Van Ness Avenue - AWSS Pump Station No. 2	\$ 75,000					\$ 75,000		
4	3630 Divisadero - Claire Lilenthal School	\$ 75,000					\$ 75,000		
5	2110 Greenwich Street - Tule Elk Elementary	\$ 75,000					\$ 75,000		
6	2445 Hyde Street - Francisco Park	\$ 75,000					\$ 75,000		
7	102 Marina Boulevard - Fort Mason (EVGo)						\$ -		
8	838 Pacific Avenue - Ping Yuen North Affordable Housing				\$ 240,000		\$ 240,000	\$ 186,000	
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	49 South Van Ness Avenue - Building Inspection Office						\$ -		
16	50 Bowling Green Drive - GGP Tennis Center	\$ 75,000	\$ 275,000				\$ 350,000	\$ 1,000	
17	199 Museum Way/122 State Street - Corona Heights Restroom						\$ -		
18	Pier 26 - Fire Boat Berthing						\$ -		
19	6 Berry Street - Substation						\$ -		
20	750 Brannan - Main Library Repository						\$ -		
21	399 The Embarcadero - Fire Boat #35						\$ -		
22	16th & Terry Francois Blvd. - Mission Bay Ferry Landing	\$ 30,000				\$ 70,000	\$ 100,000		
23	500 Turk Street - Affordable Housing	\$ 150,000			\$ 9,000		\$ 159,000	\$ 402,000	643,000
24	Market St. & 7th St. - BMS Switch						\$ -		
25	1064 Mission Street - Affordable Housing	\$ 150,000					\$ 150,000		
26	Transbay Transit Center - Transbay Joint Powers Authority						\$ -		
27	Mission Rock & Terry Francois Blvd. - Redevelopment Project						\$ -		
28	2685 Ocean Ave. - EV Charging Station						\$ -		
29	5 Lenox Way - West Portal Elementary School	\$ 75,000					\$ 75,000		
30	350 Amber Drive - Police Academy	\$ 75,000					\$ 75,000		
31	4235 19th Street - Harvey Milk Civil Rights Academy	\$ 75,000					\$ 75,000		
32	1296 Shotwell Street - Affordable Senior Housing	\$ 75,000					\$ 75,000		
33	1271 Treat Avenue - Garfield Pool	\$ 250,000					\$ 250,000		
34	1419 Bryant Street - Animal Care & Control	\$ 23,000	\$ 500,000	\$ 328,000			\$ 851,000		
35	1950 Mission Street - Affordable Housing	\$ 45,000	\$ 150,000		\$ 81,000	\$ 390,000	\$ 666,000	\$ 294,000	623,000
36	490 South Van Ness Avenue - Affordable Housing	\$ 15,000	\$ 150,000		\$ 43,000	\$ 273,000	\$ 481,000	\$ 145,000	1,034,000
37	2060 Folsom Street - Affordable Housing	\$ 2,000	\$ 150,000		\$ 8,000		\$ 160,000	\$ 581,000	922,000
38	681 Florida Street - Affordable Housing		\$ 150,000				\$ 150,000		
39	1990 Folsom Street - Affordable Housing	\$ 2,000	\$ 150,000		\$ 29,000		\$ 181,000	\$ 563,000	927,000
40	3001-3021 24th Street - Affordable Housing						\$ -		

Attachment C: Cost Impacts

41	800 Amador Street - Pier 94 - Backlands	\$ 50,000	\$ 500,000				\$ 50,000	\$ 600,000		
42	2241 Jerrold Avenue - Ambulance Deployment Facility	\$ 100,000	\$ 75,000			\$ 250,000	\$ 100,000	\$ 525,000	\$ 110,000	
43	1909 16th Street - Streetlights							\$ -		
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	1595 Davidson - Bruce Flynn Pump Station							\$ -		
49	2 Rankin Street - Central Bayside Pump Station							\$ -		
50	1995 Evans - Traffic Controls and Forensics		\$ 75,000		\$ 578,000			\$ 653,000		
51	750 Phelps - Southeast Plant							\$ -		
52	2401/2403 Keith Street - Southeast Health Center		\$ 75,000					\$ 75,000		
53	1550 Evans Ave - Southeast Community Center		\$ 500,000					\$ 500,000		
54	Islais Creek Bridge Rehab (3rd Street)		\$ 75,000					\$ 75,000		
55	1150 Phelps - Construction Trailers							\$ -		
56	480 22nd Street - Pier 70 Pump Station							\$ -		
57	1601 Griffith Street - Griffith Pump Station				\$ 27,000			\$ 27,000		
58	Harmonia Street - Sunnydale HOPE							\$ -		
59	1101 Connecticut Street - HOPE Potrero							\$ -		
60	603 Jamestown Avenue - Redevelopment Project							\$ -		
61	2301 San Jose Avenue - Geneva Car Barn	\$ 5,000	\$ 140,000				\$ 15,000	\$ 160,000	\$ 13,000	
62	241 Oneida Avenue - Denman Middle School							\$ -		
63	Multiple Locations - Guy Wires (Franchise Issue)							\$ -		
64	Multiple Service Transfers							\$ -		
65	10501 Warnerville Road - Substation Rehabilitation Project							\$ -		
TOTAL		\$ 304,000	\$ 4,515,000	\$ 603,000	\$ 925,000	\$ 1,153,000	\$ 431,000	\$ 7,931,000	\$ 3,850,000	6,397,000

Total Additional Project Costs	\$ 7,931,000.00
Total Lost Gross Revenue to SFPUC	\$ 3,850,000.00
Total Cost Impact to SF (Project Costs + Lost Revenue)	\$ 11,781,000.00
Total CO2 Emissions (lbs.)	6,397,000

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.



OFFICE OF THE CONTROLLER
CITY AND COUNTY OF SAN FRANCISCO

Ben Rosenfield
Controller

Todd Rydstrom
Deputy Controller

November 8, 2019

Mr. Harlan Kelly, Jr.
General Manager
San Francisco Public Utilities Commission
525 Golden Gate Avenue, 13th Floor
San Francisco, CA 94102

Dear Mr. Kelly:

This letter is to inform you of the termination of the audit of the amounts billed and paid under the Interconnection Agreement (agreement) between Pacific Gas and Electric Company (PG&E) and the City and County of San Francisco (City) for the Wholesale Distribution Tariff Service. In September 2017 the San Francisco Public Utilities Commission (SFPUC) asked my office, the Controller's City Services Auditor (CSA), Audits Division, to conduct this performance audit at its earliest convenience.

CSA conducted preparatory work for the audit but now has decided to terminate the audit because of the long delays and lack of significant progress due to PG&E's slow response. Despite extensive efforts by CSA and its contractor, Sjoberg Evashenk Consulting, Inc., (SEC), we have been unsuccessful in scheduling necessary meetings or interviews with PG&E personnel and have been stymied in obtaining from PG&E complete documents requested and needed for the audit.

On February 13, 2018, CSA initiated the audit by sending PG&E a notification letter. On November 29, 2018, at PG&E's request, and after nine months of negotiation and legal review, CSA and PG&E executed a nondisclosure agreement in order to start the audit. In January 2019 CSA contacted PG&E to schedule an audit entrance meeting, which, after multiple delays, occurred on April 30, 2019. Since then, SEC has repeatedly attempted to gather all needed audit documents and schedule interviews with PG&E but, as of today, has been unable to do so due to PG&E's slow responses to SEC's requests. Consequently, staff of CSA, SEC, and SFPUC have agreed to terminate the audit.

This letter complies with the *Government Auditing Standards*, which require auditors to document why an audit was terminated if this occurs before it is completed and an audit report is not issued. If you have any questions or concerns about the termination of this audit, please contact me at 415-554-7574 or by e-mail at mark.p.delarosa@sfgov.org.

Respectfully,

A handwritten signature in black ink, appearing to read "Mark de la Rosa".

Mark de la Rosa
Acting Chief Audit Executive

cc: SFPUC

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Charles Perl
Christina Andersson

PG&E

Karen Khamou
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