



November 20, 2023

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

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

Dear Ms. Calvillo:

The attached quarterly report has been prepared for the Board of Supervisors (Board) in accordance with Resolution No. 227-18, approved by the Board on July 10, 2018 (File No. 180693), adopted on July 20, 2018, and re-affirmed on April 6, 2021. Pursuant to the Resolution, the San Francisco Public Utilities Commission (SFPUC) is required to “provide the Board a quarterly report for the next two years that identifies the following: status of all City projects with applications to SFPUC for electric service, including project schedules and financing and other deadlines; project sponsor and SFPUC concerns in securing temporary and permanent power, including obstacles that could increase costs or delay service to City customers; and the status of disputes with PG&E before the Federal Energy Regulatory Commission (FERC) or in other forums.”

HIGHLIGHTS IN THIS QUARTER’S REPORT

- 37 active projects have experienced interconnection delays or increased project costs due to PG&E’s obstruction.
 - 4 projects were released for PG&E retail service; and
 - 3 projects were energized.
- Total cost impact (additional project costs and loss of revenue to the City) of PG&E’s obstructions since the first report submitted in November 2018 has been approximately \$33M.
 - The total cost impacts to the City for the 71 projects featured in this quarter’s report is more than \$14M.
- The City and PG&E continue to litigate issues at FERC related to PG&E’s Wholesale Distribution Tariff.
- In the valuation proceeding, on September 8, 2023 the CPUC suspended the due date for PG&E’s testimony along with the rest of the schedule. Discussions related to this schedule continue.
- A settlement on the voltage proceeding at FERC has been approved by the Commission and will be submitted to the Board for its approval.

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

Sincerely,

Dennis J. Herrera
General Manager

London N. Breed
Mayor

Tim Paulson
President

Anthony Rivera
Vice President

Newsha K. Ajami
Commissioner

Sophie Maxwell
Commissioner

Kate H. Stacy
Commissioner

Dennis J. Herrera
General Manager



NOVEMBER 2023 QUARTERLY REPORT

I. Background

The San Francisco Public Utilities Commission (SFPUC) provides retail electric service from our Hetch Hetchy Power public utility (Hetchy) to approximately 6,000 customer accounts, by relying on our Hetch Hetchy generation and other sources for supply. The City pays Pacific Gas and Electric Company (PG&E) to provide transmission and wholesale distribution services regulated by the Federal Energy Regulatory Commission (FERC); these services combined cost about \$60 million per year. PG&E's Wholesale Distribution Tariff (WDT) describes the terms and conditions of these purchased services. In September 2020, PG&E filed an update to the WDT (WDT3,) that significantly decreased the City's ability to serve important City projects. PG&E continues to obstruct City projects with costly requirements and delays necessitating on-going litigation. In addition to continuing efforts to fight for fair access to the grid in the near term, the City is seeking to purchase the PG&E-owned electric grid within San Francisco. This will allow San Francisco to expand the City's full-service publicly owned electric utility and eliminate our dependence on PG&E for electric service within the City.

1. Current Status of Projects Facing PG&E Obstruction:

Since November 2018, 152 projects have experienced obstruction by PG&E, including 10 new projects this quarter. Please find attached the following documents related to this report.

- **Attachment A1, Projects with Active Applications** lists the 37 projects that have experienced interconnection delays, arbitrary requests for additional and/or unnecessary information, or increased project costs for the reporting period of July 2023 to October 2023. Updates and changes to projects since the previous quarterly report are detailed in Column P of Attachment A1.
- **Attachment A2, Projects Released for Retail PG&E Service under WDT3** lists the 34 City projects no longer eligible for service from the SFPUC, given changes PG&E made to its tariff, so these projects must apply to PG&E for retail service and pay the higher PG&E retail rates for electric service.
- **Attachment B, Map of Interconnection Issues** contains a map providing the location of each project, marked with an icon indicating the type of service provided.

II. Ongoing PG&E Litigation:

1. WDT3 Litigation

PG&E's WDT3 filing seeks to eliminate service that the City has historically provided to important City services. More specifically, PG&E is requiring primary voltage service for all new or modified interconnections. Primary voltage equipment is large and expensive and is normally required for large developments. This requirement is forcing projects to either incur additional costs and lose usable project space to install unnecessary equipment or take service from PG&E retail instead of Hetchy. The main issues in the table below are currently being litigated at FERC in the WDT3 proceeding. The City and PG&E continue to litigate WDT3 issues and have been discussing a settlement.

	Infrastructure affected	Impact
Elimination of Service to Unmetered Load	Streetlights, traffic signals, bus shelters, ShotSpotter devices, emergency sirens, street furniture, news racks, and similarly small electric loads often located in the public right of way.	All unmetered load served by Hetchy will need to install primary equipment to connect to the PG&E-owned grid or accept PG&E retail service to continue to receive electric service and function.
Elimination of Service on PG&E's Network in Downtown Area	Downtown area (includes all of Market Street from Embarcadero through Civic Center.)	Connecting new loads or upgrades to existing loads connected to the PG&E-owned grid in San Francisco's downtown area will be prohibited.
Elimination of New Secondary Connections	Most Hetchy municipal customers, like schools, public restrooms, libraries, parks, health clinics, firehouses, City department offices.	When existing facilities undergo renovations (like those for de-carbonization) they will need to install primary equipment to connect to the PG&E-owned grid or accept PG&E retail service to continue to receive electric service and function.
Assignment of Costs for Upgrades to PG&E's System	Any City project that PG&E decides requires an upgrade to PG&E's distribution system.	All City interconnection projects are at risk of incurring excessive costs to upgrade PG&E's infrastructure that PG&E customers also benefit from.

2. FERC Orders on Remand – Grandfathering and Voltage

Grandfathering – On October 20, 2022, FERC ruled in the City's favor and confirmed that the City can continue to provide public power to broad categories of municipal customers that it has been serving since 1992, without new electrical facilities. The types of customers that were grandfathered include City departments and agencies as well as related entities that serve a civic purpose like schools, museums, public housing, and tenants on City property. Though this was a favorable decision, PG&E has not changed its previous practices. PG&E has appealed FERC's order and the City has intervened in that appeal. PG&E has filed its brief in that appeal with the D.C. Circuit. FERC's brief is due on November 11, 2023, and the City's brief is due on December 9, 2023. We expect a decision sometime in 2024.

Voltage – On December 15, 2022, FERC ruled in the City's favor and took issue with PG&E's requirement of primary voltage service in most cases. The parties have reached a limited-term agreement on these issues. On November 14, 2023, the Commission approved the settlement. The City Attorney will submit the settlement for Board approval soon.

3. Unmetered Load

As noted above, PG&E no longer offers secondary service to the City and other wholesale customers. This includes service to the City's unmetered loads, which are mainly streetlights, traffic signal systems, and similar small, predictable municipal loads that are billed based on FERC-approved usage formulas rather than metered usage. To operate these loads, the City either must pay more for PG&E retail service or spend in excess of \$1 billion for large primary equipment that is unnecessary for safety or reliability purposes and causes City-wide disruptions. This issue continues to be litigated in the WDT3 case. PG&E and the City have an agreement in place that allows the City to continue to provide unmetered service to these loads during the pendency of the WDT3 matter at FERC.

Attachment A1: Projects with Active Applications

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
	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 (August 2023)
1	112434942	3455 Van Ness Avenue - AWSS Pump Station No. 2	2	SFPUC - Water	Remove two existing services and replace with one secondary service	Delays caused by dispute over primary vs. secondary. Project moving forward with low-side metering. (See Note 1)	In construction	12/9/2016	1/5/2017	8/1/2017	Yes	144 kW/Yes	X	Seismic improvements and architectural upgrades to increase reliability of the pumping station have been delayed. Additional project costs - \$75k (interrupter, #7 box, & installation) Further delays caused by PG&E not providing necessary cost detail to the Service Agreement (7 month delay).	No impacts update.
2	126914450	*1 Overlook Dr. - Recycled Water Pump	4	SFPUC	New secondary service	Delays caused by PG&E refusing to complete project.	Project moving forward with Secondary.	IN FLIGHT (Prior to July 2015)	N/A	N/A	No	186 kW/Yes		PG&E required this site to be connected at primary even though it was previously designed for secondary. Installing primary switchgear would have resulted in additional costs of ~\$1M. This project is now moving forward with secondary service.	No impacts update. Project moving forward with secondary.
3	Several applications submitted	19th Avenue - Traffic Signals	4 & 7	SFMTA	New unmetered secondary services (several traffic signals)	Delays caused by PG&E cancelling the initial applications.	In construction	Various	3/14/2017	9/1/2019	No	N/A		PG&E delayed the project by cancelling the existing contracts even though SF had completed and paid for the applications and paid for extensions. Project is looking to move forward to just reuse the existing service in an effort to not delay the project any further.	No impacts update.
4	Several applications submitted	L Taraval - Streetlights	4	SFMTA	New unmetered secondary services (streetlights - over 31 locations)	Delays caused by PG&E being unresponsive. Now PG&E is causing further delays by requiring a redesign.	In construction	3/19/2019	4/27/2019	10/10/2023	No	N/A		Pedestrian and traffic safety is at risk as PG&E delays the energization of these streetlights. Delays continue as PG&E has canceled these applications which will cause redesign and change orders. PG&E has again required redesigns - cost impacts TBD. These delays will impact the construction schedule.	No impacts update.
5	123223073	1360 43rd Ave - Affordable Housing (Construction and Perm. Power) (135 units)	4	MOHCD	New secondary service	Delays caused by dispute over primary vs. secondary. Project will be moving forward with secondary.	Service Agreement returned with payment by SFPUC. PG&E performing engineering/design.	3/30/2020 (temp) 2/24/2020 (perm)	3/31/2022	12/7/2020 (temp) 12/6/2021 (perm)	Yes	417 kW/Yes (temp) 678 kW/Yes (perm)		Project delayed - project was in dispute from Apr. 2020 to Sept. 2021 (15-16 months). Temp. construction power service by PG&E at retail - \$118k in lost gross revenue to SFPUC. \$25k in additional power costs to the project due to PG&E's higher rates Project facing more delays as PG&E needs to implement off-site reconductoring work resulting in delays; On 4/16/2023 PG&E indicated that the final Service Agreement will be provided on 11/20/2023, which is 153 business days after final documents were submitted. Cost and delay impacts TBD.	Updated to include further delays.
6	114571079	50 Bowling Green Drive - GGP Tennis Center	5	SFRPD	New secondary service	Delays caused by dispute over primary vs. secondary. Project moving forward with low-side metering. (See Note 1)	Energized	5/3/2018	10/3/2018	2/1/2019	Yes	160 kW/Yes	X	Project delayed - project was in dispute from May-July. 2018. (2-3 months) Additional project costs - \$150k (2 interrupters, 2 #7 boxes, & installation), \$275k (for upgrades to PG&E's system) Lost gross revenue to SFPUC due to delays: \$1k Further delays may lead to possible funding issues. Further cost and funding impacts as PG&E has sent a request to true-up project costs of \$1,213,595.93 in addition to original payment of \$412,765.88 for a total cost of \$1,626,361.81 (includes interest). This was a year after the project was energized, and the amount is almost 3 times the original project budget. PG&E initially did not provide adequate documentation as to why the final costs are an additional ~\$1M compared to PG&E's original estimate. After further discussion, this issue has been resolved. The true-up bill was paid by the customer in October 2023.	No impacts update - energized and will be taken off the next quarter's report.
7	123182651	78 Haight Street - Affordable Housing (63 units)	5	MOHCD	New secondary service for perm. Construction power released to PG&E retail.	Delays caused by dispute over primary vs. secondary. Project will be moving forward with secondary.	Service Agreement returned with payment by SFPUC. PG&E performing engineering/design.	6/15/2020	3/22/2022	12/15/2021	Yes	315 kW/Yes		Project delayed - project was in dispute from Jun. 2020 to Sept. 2021 (14-15 months). Temp. construction power service by PG&E at retail - \$38k in lost gross revenue to SFPUC. \$6k in additional power costs to the project due to PG&E's higher rates. Pre-construction to be scheduled by July 2025	No impacts updates. Pre-construction meeting to be scheduled.
8	Several applications submitted	Haight Street - Traffic Signals	5	SFMTA	New unmetered secondary services (several traffic signals)	Delays caused by PG&E cancelling the initial applications.	In construction	4/22/2020	7/16/2020	11/30/2020	Yes	N/A		Project delayed as PG&E canceled the original applications. Public safety is at risk as the traffic signal infrastructure is completed and are just awaiting energization. The public has been inquiring about signal activation status. The traffic signals are moving forward, but there are disagreements on whether or not unmetered holiday lighting can be added to these poles.	No impacts update.
9	Several applications submitted	Folsom Streetscape - Traffic Signals & Safety Streetlighting	6	SFMTA	New unmetered secondary services (several traffic signals)	Delays caused by PG&E cancelling applications and being un-responsive.	Ready for bid	7/23/2020	Various	Fall 2023	No	N/A		Delays continue as PG&E has canceled some applications which will cause redesign and change orders - costs impact TBD. These delays will impact the construction schedule.	No impacts update.
10	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.	Construction to commence soon (pending NTP)	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 was unresponsive in providing further cost explanation. PG&E stated that the energization timeline for this project is March 2025.	Updated to include further delays.

Attachment A1: Projects with Active Applications

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 (August 2023)	
11	N/A	Transbay Transit Center - Transbay Joint Powers Authority	6	SFPUC - Power	Two new primary services (5 MW each)	Potential dispute over reserved capacity.	Energized - PG&E reviewing SF's request.	9/12/2018	2/6/2019	10/1/2018	N/A	10 MW/No	PG&E is currently reviewing SF's request to use 10 MW of reserved capacity that SF applied and paid for. If PG&E denies request, SF may incur additional costs or have to limit the tenants. PG&E is holding up the project by not explaining the discrepancies between its System Impact Study draft agreement to what SF had requested. PG&E has also requested an additional ~\$5M from SF in an extremely late project true-up request. PG&E has yet to provide adequate justification for this amount.	No impacts update.
12	122798669	180 Jones Street - Affordable Housing (70 units)	6	MOHCD	New secondary service for perm. Construction power released to PG&E retail.	Delays caused by dispute over primary vs. secondary. Project will be moving forward with secondary.	Energized	4/28/2020	1/21/2022	9/5/2022	Yes	576 kW/Yes	Project delayed - project was in dispute from May 2020 to Sept.2021 (15-16 months). Temp. construction power service by PG&E at retail - \$89k in lost gross revenue to SFPUC. \$20k in additional power costs to the project due to PG&E's higher rates. Further delays caused by PG&E providing the final design 3 months later than initially indicated.	No impacts update. Energized and will be taken off the next quarter's report.
13	122941168	600 7th Street - Affordable Housing (70 units)	6	MOHCD	New secondary service for perm. Construction power released to PG&E retail.	Delays caused by dispute over primary vs. secondary. Project will be moving forward with secondary.	Service Agreement returned with payment by SFPUC. PG&E performing engineering/design.	1/19/2021	2/4/2022	5/21/2023	Yes	847 kW/Yes	Project delayed - project was in dispute from Feb. 2021 to Sept. 2021 (6-7 months). Temp. construction power service by PG&E at retail - \$191k in lost gross revenue to SFPUC. \$28k in additional power costs to the project due to PG&E's higher rates. PG&E provided final Service Agreement in October 2023.	No impacts update. Final Service Agreement to be provided.
14	122206857	*270 6th Street - Gene Friend Rec Center	6	SFRPD	New secondary service	Increased costs due to PG&E's primary requirements.	Service Agreement received. SF working on payment.	8/16/2021		7/3/2023	Yes	348 kW/Yes	Additional project costs for primary service - \$800k to \$1 million for primary switchgear, in addition to PG&E-estimated total project cost to RPD of \$287,997, for a total of \$1 to \$1.3 million. Accommodating primary service equipment and required clearances displaces critical site elements (storage and trash building cannot be in preferred location near street, service access to facility eliminated, and required utility space impinges on paved walking circuit and athletic court clearances). It also reduces the recreational value of park property. Further delays caused by PG&E pushing out the expected completion date of the final design beyond 3 months. PG&E's delay providing the final design multiple times has caused the project to incur further construction delays. This project may move forward with secondary service. Customer requested PG&E to provide final design and Service Agreement by August 2024.	No impacts update. Project may move forward with secondary service.
15	124458482	*2814 Great Highway - Westside Pump Station	7	SFPUC	Remove one existing secondary service and replace with two (2) primary services. Due to PG&E's obstruction, the application has now changed to a relocation.	Delays caused by PG&E cancelling the original design and requiring SF to re-apply several times.	Project is in construction, but the electric portion remains unresolved. In lieu of the original dual primary power service project request, the current circumstances have SFPUC settling to relocate existing power service on site	8/8/2022 (application from 6/19/14 and 8/2/21 canceled)	9/7/2022	9/27/2022	N/A	2,023 kW/No (Revised/reduced, original request was for 3,673 kW)	Project delayed - cost impacts TBD. PG&E has already given SF notice that the project will be further delayed due to resource issues on PG&E's end. PG&E's proposed design in May 2022 required extensive trenching (10+ miles) for two new mainline connections. This work would delay the project significantly and PG&E never adequately explained why this new design requires substantially more work and costs than the original design. PG&E's estimates showed SF paying PG&E ~\$40M, with the total construction costs being +\$100M. Due to these excessive costs, SF has changed its application to a relocation of an existing secondary service. Since, PG&E no longer allows secondary, the service will be upgraded to primary, estimated costs \$395,488.20; per PG&E in October 2022. SFPUC awaits the final design from PG&E for the existing power service relocation. PG&E also confirmed adjusting the final design and service agreement date to 8/4/2023 (from 1/15/2024). The committed timeline continues to have time/cost impacts to construction project for utility relocation. This project is currently moving forward with secondary service.	No impacts update. Project moving forward with secondary service.
16	124759770	3500 Great Highway - Oceanside Recycled Water	7	SFPUC	Increase in Contract Demand to existing primary service.	Delays caused by PG&E providing the System Impact Study late.	PG&E to perform System Impact Study.	10/4/2022	10/21/2022	11/29/2022	N/A	5,200 kW/No (Existing is 2,635 kW)	Delays caused by PG&E not providing the System Impact Study report on time PG&E requested 4 month extension from original due date of 4/18/2023, to 8/11/2023, and now further delayed to 12/8/2023. This is a 234 calendar days delay.	Updated to include further delays.
17	Several applications submitted	16th Street Improvement Project - Traffic Signals	8 & 9	SFMTA	New unmetered secondary services (several traffic signals)	Delays caused by PG&E cancelling the initial applications.	In construction	Various	Jun-Jul 2017	1/1/2022	N/A	N/A	PG&E delayed the project by cancelling the existing contracts even though we had completed and paid for the applications and paid for extensions. Project is looking to move forward to just reuse the existing service in an effort to not delay the project any further.	No impacts update.
18	123635730	2500 Mariposa Street - Potrero Yard Modernization (Mixed Use)	9	SFMTA	New primary service	Potential delays caused by PG&E not providing the System Impact Study draft on time	PG&E to perform Facilities Study.	12/10/2021	5/19/2022	6/1/2023	N/A	7,800 kW/No	Delays caused by PG&E not providing the System Impact Study report on time.	No impacts update.
19	123635632	2500 Mariposa Street - Potrero Yard Modernization (Industrial Use)	9	SFMTA	New primary service	Potential delays caused by PG&E not providing the System Impact Study draft on time	PG&E to perform Facilities Study.	12/10/2021	5/19/2022	6/1/2023	N/A	6,5000 kW/No	Delays caused by PG&E not providing the System Impact Study report on time.	No impacts update.
20	112819432	*102 Santa Marina Street - College Hill Reservoir	9	SFPUC	New secondary service	Delays caused by PG&E cancelling the project while it is in still in construction.	PG&E to provide draft Service Agreement.	4/27/2017	9/24/2018	11/15/2017	No	45 kW/Yes	PG&E canceled this project stating that it had not met the timeline for energization. However, PG&E caused a delay in relocation/re-arranging their trench route when there were existing utilities conflicting with their original design. If PG&E does not allow this project to connect, there will be a significant cost impact as construction of the secondary service connection is almost complete. This project is currently moving forward with secondary service.	No impacts update. Project moving forward with secondary service.

Attachment A1: Projects with Active Applications

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 (August 2023)
21	122207261/122207133 601 25th Street - Muni Metro East Expansion	10	SFMTA	An upgrade to existing primary service and a new primary service	PG&E's costs and timeline of required upgrades are not feasible for the project timeline. PG&E performing Facilities Study.	7/27/2021	10/11/2021	7/1/2023	N/A	6.5 MW/Yes (split between 2 services)		Per PG&E's System Impact Study, PG&E wants to charge SF ~\$18M for upgrades to PG&E's existing substation and reinforcements of PG&E's distribution lines. This work would take over two years. PG&E's retail customers that are already connected to this substation will benefit from these upgrades that SF would pay for. Further delays caused by PG&E requesting an extension on providing the Facilities Study report (1-2 months). PG&E has further delayed Facilities Study submission by 2-3 months.	Updated to include further delays.
22	114919920 Harmonia Street - Sunnydale HOPE	10	SFPUC - Power	New primary service	Currently working on finalizing 100% design for service lateral from PG&E's nearest point of interconnection to SFPUC switchgear. In construction	8/16/2018	4/4/2019	8/1/2020	N/A	1000 kW/No		Delays caused by PG&E unilaterally significantly reducing the load requested and not responding to SF's questions regarding load calculations in the System Impact Study draft agreement. Due to the urgency of the project, SF has agreed to move forward with PG&E's lower load calcs and will apply to PG&E for additional capacity when the load ramps up. Costs of this are TBD. Additionally, PG&E is requiring SF to construct offsite infrastructure for PG&E to serve the load that is typically done by PG&E - cost is TBD. PG&E is requiring significant progress on construction by August 18, 2023. If progress is not made, this project is at risk of cancellation. However, project anticipates PG&E to take significant time to review and approve this project, causing delays in energizing and completing the	No impacts update.
23	115583820 1101 Connecticut Street - HOPE Potrero	10	SFPUC - Power	New primary service	Delays caused by PG&E not providing engineering construction drawings on time. Service Agreement returned with payment by SFPUC. PG&E performing engineering/design.	12/13/2018	4/4/2019	6/1/2019	N/A	4000 kW/No		Delays caused by PG&E unilaterally significantly reducing the load requested and not responding to SF's questions regarding load calculations in the System Impact Study draft agreement. Due to the urgency of the project, SF has agreed to move forward with PG&E's lower load calcs and will apply to PG&E for additional capacity when the load ramps up. Costs of this are TBD. Additionally, PG&E is requiring SF to construct offsite infrastructure for PG&E to serve the load that is typically done by PG&E - cost is TBD. Long lead time for Engineering Construction Design may cause delay in Temporary Certificate of Occupancy (TCO) of new buildings.	No impacts update. Final engineering/design to be provided.
24	116967240 702 Phelps Street - SFMTA Substation	10	SFMTA	Request to increase loads	Delays caused by PG&E being late in providing the System Impact Study report. Service Agreement received.	2/26/2019	6/28/2019	5/1/2019	N/A	4000 kW/No		Delays caused by PG&E not providing the System Impact Study report on time. More delays caused by PG&E not providing the Service Agreement on time. Further delays caused by PG&E not providing enough design detail with the Service Agreement, changing the design, and pushing back the completion of final design by 6 months.	No impacts updates. Pre-construction meeting scheduled.
25	117974199 901 Tennessee Street - Streetlights	10	SFMTA	New secondary service	Delays caused by PG&E providing the Service Agreement late. In construction	2/1/2019	11/20/2019	8/1/2019	No	1 kW/Yes		Pedestrian and traffic safety is at risk as PG&E delays the energization of these streetlights and traffic signals.	No impacts update.
26	114529750/121353271 1920 Evans - Arborist Trailer/BUF Yard	10	SFPW	New secondary service	Delays caused by issues with overhead poles. In construction	4/16/2018	8/10/2018	10/1/2018	No	37 kW/Yes		Project has been delayed due to issues with an overhead pole. PG&E's proposed design was not feasible as it required overhead poles to be installed above underground sewer utilities. Project was further when PG&E's re-design took several months.	No impacts updates. Pre-construction meeting scheduled.
27	122906585 4840 Mission Street - Affordable Housing (137 units) (Construction and Perm. power)	11	MOHCD	New secondary service for perm. Construction power released to PG&E retail.	Delays caused by dispute over primary vs. secondary. Project will be moving forward with secondary. In construction	2/5/2020	1/31/2022	11/1/2022	Yes	1621 kW/Yes		Project delayed - project was in dispute from Feb. 2020 to Sept. 2021 (18-19 months). Temp. construction power service by PG&E at retail - \$301k in lost gross revenue to SFPUC. \$47k in additional power costs to the project due to PG&E's higher rates. PG&E provided final Service Agreement, however, outstanding easement is holding up the project.	No impacts update.
28	121369756 35-45 Onondaga Avenue - Health Clinic	11	Real Estate (for DPH)	Upgrade and relocation of existing secondary service	Delays caused by dispute over primary vs. secondary. Project is moving forward at secondary. Energized	6/1/2020	5/20/2021	3/8/2021	Yes	74 kW/Yes		Project delayed - project was in dispute from Jun. 2020 - Mar. 2020 (8-9 months).	No impacts update. Energized and will be taken off the next quarter's report.
29	123379714 455 Athens Street - Cleveland Elementary School	11	SFUSD	Upgrade and relocation of existing secondary service	Delays caused by dispute over primary vs. secondary. Project is moving forward with primary. Service Agreement returned with payment by SFPUC. PG&E performing engineering/design.	10/26/2020	1/28/2022	6/1/2021	Yes	305 kW/Yes		Additional project costs for primary service - \$500k for primary switchgear and related labor costs. Further delays caused by PG&E providing the Service Agreement late. Project delays can lead to potential delay in school building opening which may result in only partial occupancy of building for 2023-24 school year and beyond. PG&E originally promised to provide the final Service Agreement no later than May 2023. However, now PG&E has further delayed the final Service Agreement to 8/25/2023. Due to this delay the project will incur a monthly general contractor contract extension fee of approximately \$20k per month with a total of approximately \$240k for a one-year delay in construction.	No impacts updates. Pre-construction meeting to be scheduled by August 2024
30	123409909 2340 San Jose Ave. - Affordable Housing (138 units)	12	MOHCD	New secondary service	Delays caused by dispute over primary vs. secondary. Project will be moving forward with secondary. In construction - Phase 1 energized. Phase 2 SFPUC to review and send payment for final Service Agreement	11/21/2019	4/25/2022	5/1/2020	Yes	800 kW/Yes		Project delayed - project was in dispute from Jan. 2020 to Sept. 2021 (20-21 months). Further delays incurred so project is now being split into two phases. Temp. construction power service by PG&E at retail - \$191k in lost gross revenue to SFPUC. \$34k in additional power costs to the project due to PG&E's higher rates. Service Agreement provided for Phase 2 of this project. Awaiting SFPUC payment and approval by December 2023.	No impacts update. Final Service Agreement was provided and awaiting payment.
31	Several applications submitted Contract 65 - Traffic Signals (Various locations)	Various	SFMTA	New unmetered secondary services (several traffic signals)	Delays caused by PG&E cancelling applications and being un-responsive. In construction	1/16/2020	Various	Spring 2023	No	N/A		Delays continue as PG&E has canceled some applications which will cause redesign and change orders - costs impact TBD. These delays will impact the construction schedule.	No impacts update.

Attachment A1: Projects with Active Applications

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 (August 2023)	
32	122406887	1900 El Camino Real - Water Testing Equipment	N/A	SFPUC	New secondary service	Delays caused by PG&E not providing the Service Agreement within a reasonable timeframe.	In construction	10/30/2020	3/1/2021	5/31/2019	No	2 kW/Yes	Project delayed - PG&E has been performing engineering/design since March 2022. PG&E's timeline for completion has been pushed back from July 2022 to October 2022. Pre-construction meeting to be scheduled by October 2024.	No impacts updates. Pre-construction meeting to be scheduled.
33	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 additional power costs as PG&E is refusing to transfer over City department loads.	No impacts update.
34	N/A	951 Antoinette Lane - Well Pump & Control Panel	N/A - South SF	SFPUC	Remove two existing services and replace with one secondary service	Delays caused by dispute over primary vs. secondary. Project moving forward with secondary.	Service Agreement returned with payment by SFPUC. PG&E performing engineering/design.	11/20/2020	N/A	12/6/2021	Yes	50 kW/Yes	Project delayed - project was in dispute from Feb. - April 2021 (1-2 months). Further delays caused by PG&E providing the final design at least 4 months later than initially indicated. Final Service Agreement provided, awaiting approval.	No impacts update. Final Service Agreement was provided and awaiting approval.
35	125389032	875 Bayshore Blvd (New Service)	10	SFPUC -Water	Upgrade of existing primary service	Delays caused by PG&E extending timeline for Draft System Impact Study	PG&E to provide Facilities Study	12/13/2022	1/25/2023	10/25/2024	N/A	7200 kW/No	Project delayed - PG&E to provide Facilities Study by November 2023. Costs TBD.	Project added.
36	125991771	2098 Alameda St (New Service)	6	SFPUC - Water	New primary service	Delays caused by PG&E extending timeline for Draft System Impact Study	PG&E to provide draft System Impact Study.	12/15/2022	4/25/2023	2/1/2023	N/A	7200 kW/No	Project delayed - PG&E requested additional time on System Impact Study draft. Costs TBD.	No impacts update. Facilities Study to be provided.
37	126363173	499 Sea Cliff Ave (Increase in RC and like-for-like replacement)	1	SFPUC -Water	Increase in Reserved Capacity for existing secondary service	Delays caused by dispute over primary vs. secondary. Project is moving forward with secondary.	PG&E to provide final Service Agreement	1/23/2023	6/13/2023	9/2/2024	Yes	30 kW/ Yes	Project was originally rejected by PG&E due to the like-for-like panel replacement causing "change in physical location. PG&E later determined that this project does not trigger a change in physical location, however, is still requiring a determination on whether a System Impact Study is required. Further delays have been caused by PG&E requiring multiple site visits to determine whether a System Impact Study is required, as well as making the project go through the application review phase again. even though the project has a small load. PG&E to provide final Service Agreement by April 2024.	No impacts update. Final Service Agreement to be provided.

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.

* These projects have been identified as eligible to move forward under the Voltage Settlement, if approved.

Attachment A2: Projects Released to Retail PG&E Service under WDT3

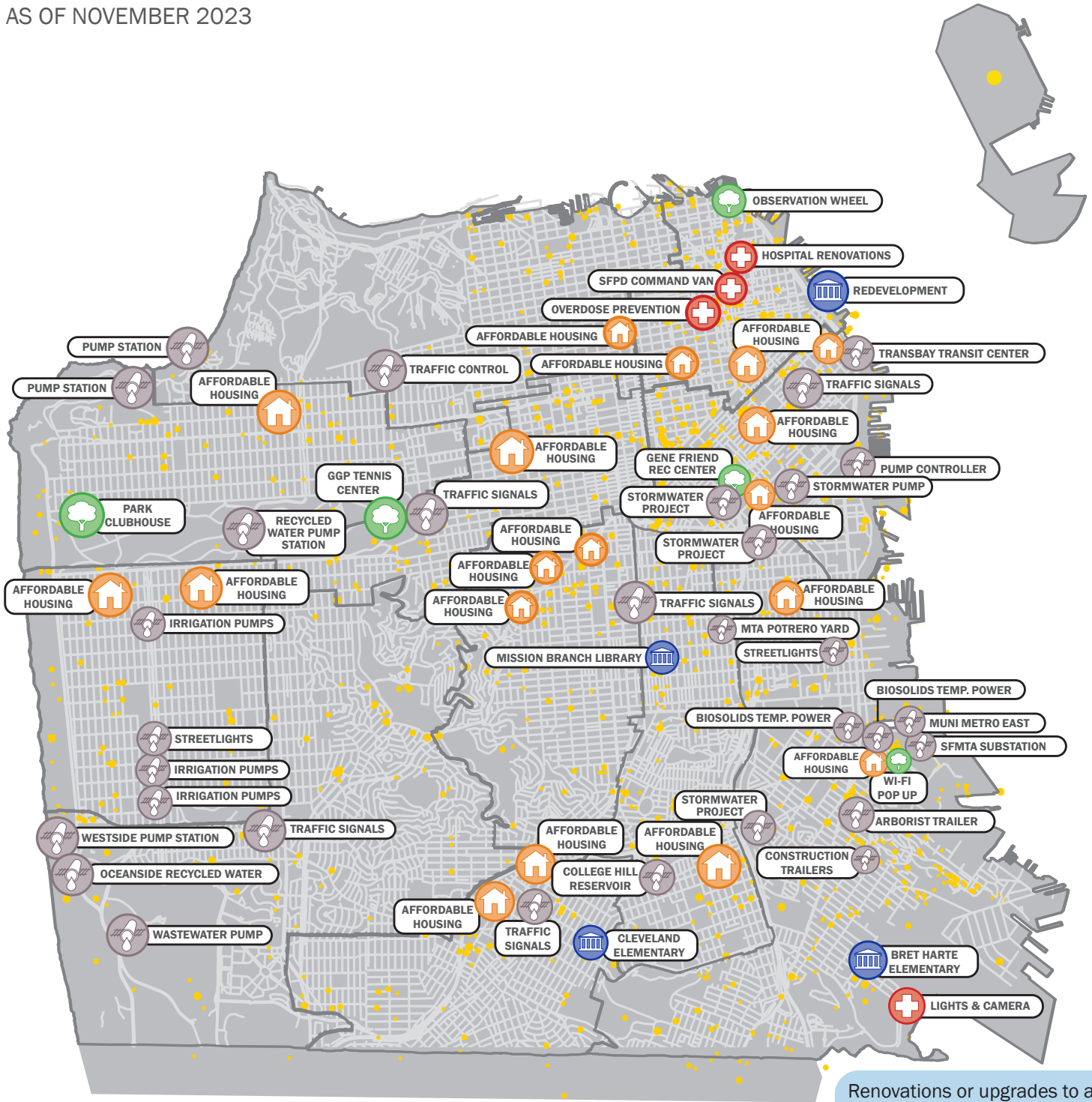
A	B	C	D	E	F	G
	Project Location	District #	Client Organization	Project Description (what SF applied for)	Impacts	Updates/Changes since Last Report (Aug. 2023)
1	499 Seacliff Avenue - Pump Station and Force Main	1	SFPUC	New temporary secondary service	\$19k in lost gross revenue to SFPUC for duration of temporary service. \$5k in additional power costs to the project due to PG&E's higher rates.	Impacts updated to include the whole duration of temporary service at PG&E retail.
2	100 Seacliff Avenue - Pump Station	1	SFPUC	New temporary secondary service	\$147k in lost gross revenue to SFPUC for duration of temporary service. \$27k in additional power costs to the project due to PG&E's higher rates.	No impacts update.
3	970 47th Avenue - Golden Gate Park Clubhouse (Temporary trailer)	1	SFRPD	New temporary secondary service	Project has been delayed several months. SF originally applied for service before WDT3 and after months of back and forth, PG&E stated they could not provide the service. \$21k in lost gross revenue to SFPUC for duration of temporary service. \$33k in additional power costs to the project due to PG&E's higher rates.	No impacts update.
4	4200 Geary Boulevard - Affordable Housing (Construction power)	1	MOHCD	New temporary secondary service	\$45k in lost gross revenue to SFPUC for duration of temporary service. \$8k in additional power costs to the project due to PG&E's higher rates.	No impacts update.
5	850 Turk Street	2	MOHCD	New temporary secondary service	\$944k in lost gross revenue to SFPUC for the duration of temporary service. \$167k in additional power costs to the project due to PG&E's higher rates.	No impacts update.
6	346 Post Street - SFPD Command Van	3	SFPD	New temporary secondary service	\$2k in lost gross revenue to SFPUC for duration of temporary service. \$4k in additional power costs to the project due to PG&E's higher rates.	No impacts update.
7	822 Geary Street - Overdose Prevention and Crisis Stabilization	3	DPH	New permanent secondary service	\$78k/yr in lost gross revenue to SFPUC. \$81k/yr in additional power costs to the project due to PG&E's higher rates.	No impacts update.
8	Seawall Lots 323 & 324 - Hotel & Theater (Construction power)	3	Teatro Zinzanni	New temporary secondary service	\$132k in lost gross revenue to SFPUC for duration of temporary service. \$4k in additional power costs to the project due to PG&E's higher rates.	No impacts update.
9	2001 Embarcadero Street -Port SkyStar Observation Wheel (Temporary power)	3	SFRPD/PORT	New temporary secondary service	\$737k in lost gross revenue to SFPUC for duration of temporary service. \$228k in additional power costs to the project due to PG&E's higher rates.	Project added.
10	2550 Irving Street - Affordable Housing (Construction power)	4	MOHCD	New temporary secondary service	\$256k in lost gross revenue to SFPUC for duration of temporary service. \$30k in additional power costs to the project due to PG&E's higher rates.	No impacts update.
11	Sunset Boulevard & Lawton Street - recycled water irrigation pump	4	SFPW	New permanent secondary service	\$15k/yr in lost gross revenue to SFPUC. \$25k/yr in additional power costs to the project due to PG&E's higher rates.	No impacts update.
12	Sunset Boulevard & Taraval Street - recycled water irrigation pump	4	SFPW	New permanent secondary service	\$15k/yr in lost gross revenue to SFPUC. \$25k/yr in additional power costs to the project due to PG&E's higher rates.	No impacts update.
13	Sunset Boulevard & Yorba Street - recycled water irrigation pump	4	SFPW	New permanent secondary service	\$15k/yr in lost gross revenue to SFPUC. \$25k/yr in additional power costs to the project due to PG&E's higher rates.	No impacts update.
14	730 Stanyan Street - Affordable Housing (Construction power)	5	MOHCD	New temporary secondary service	\$148k in lost gross revenue to SFPUC for duration of temporary service. \$28k in additional power costs to the project due to PG&E's higher rates.	No impacts update.
15	420 Terry A. Francois Boulevard - Pump Controller	6	SFPUC	New permanent secondary service	\$9k/yr in lost gross revenue to SFPUC. \$800/yr in additional power costs to the project due to PG&E's higher rates.	No impacts update.
16	16th Street & Harrison - Stormwater Project	6	SFPUC	New permanent secondary service	\$1k/yr in lost gross revenue to SFPUC. \$12/yr in additional power costs to the project due to PG&E's higher rates.	No impacts update.
17	202 Channel Street - Mission Bay Stormwater Pump Station	6	SFPUC	New permanent secondary service	\$113k/yr in lost gross revenue to SFPUC. \$6k/yr in additional power costs to the project due to PG&E's higher rates.	No impacts update.
18	240 Van Ness Avenue - Affordable Housing (Construction power)	6	MOHCD	New temporary secondary service	\$87k in lost gross revenue to SFPUC. \$15k in additional power costs to the project due to PG&E's higher rates.	No impacts update.
19	600 7th Street - Affordable Housing (Construction power)	6	MOHCD	New temporary secondary service	\$189k in lost gross revenue to SFPUC. \$20k in additional power costs to the project due to PG&E's higher rates.	No impacts update.
20	233 Beale Street - New Park	6	SFRPD	New permanent secondary service	\$12k/yr in lost gross revenue to SFPUC. \$19k/yr in additional power costs to the project due to PG&E's higher rates.	No impacts update.
21	160 Freelon Street - Affordable Housing (Construction power)	6	MOHCD	New temporary secondary service	\$716k in lost gross revenue to SFPUC for the duration of temporary service. \$127k in additional power costs to the project due to PG&E's higher rates.	No impacts update.
22	270 6th Street - Gene Friend (SOMA) Recreation Center (Temporary power)	6	SFRPD	New temporary secondary service	\$187k in lost gross revenue to SFPUC for the duration of temporary service. \$176k in additional power costs to the project due to PG&E's higher rates.	Project added.
23	499 John Muir Drive - Wastewater Pump	7	SFPUC	Upgrade to existing permanent Service	\$5.4k/yr in lost gross revenue to SFPUC. \$6.5k/yr in additional power costs to the project due to PG&E's higher rates.	No impacts update.

Attachment A2: Projects Released to Retail PG&E Service under WDT3

24	1939 Market Street - Affordable Housing Development (Temporary power)	8	MOHCD	New temporary secondary service	\$301k in lost gross revenue to SFPUC for the duration of temporary service. \$48k in additional power costs to the project due to PG&E's higher rates.	Project added.
25	2530 18th Street - Homeless Prenatal Program Family Housing (construction power)	9	Homeless Prenatal Program/MOHCD	New temporary secondary service	\$246k in lost gross revenue to SFPUC for the duration of temporary service. \$93k in additional power costs to the project due to PG&E's higher rates.	No impacts update.
26	1979 Mission Sreet - Tiny Homes Project	9	HSH	New temporary secondary service	\$191k in lost gross revenue to SFPUC for the duration of temporary service. \$246k in additional power costs to the project due to PG&E's higher rates.	No impacts update.
27	300 Bartlett Street - Mission Branch Library renovation (Temporary power)	9	SFPL	New temporary secondary service	\$72k in lost gross revenue to SFPUC for the duration of temporary service. \$93k in additional power costs to the project due to PG&E's higher rates.	Project added.
28	1236 Carroll Avenue - Temporary Lights and Cameras (for future SFFD training facility)	10	SFFD	New temporary secondary service	\$11k/yr in additional power costs to the project due to PG&E's higher rates.	No impacts update.
29	India Basin - 900 Innes (Construction power)	10	SFRPD	New temporary secondary service	Temp. construction power using generators - costs TBD. Temp. power service from different source - estimated \$18k in lost gross revenue to SFPUC.	No impacts update.
30	India Basin - Wi-fi Pop-Up	10	SFRPD	New temporary secondary service	Temp. power service currently using generators - costs TBD. Application has been submitted to PG&E retail for future service - \$15k in lost gross revenue to SFPUC. \$24k in additional power costs to the project due to PG&E's higher rates.	No impacts update.
31	1035 Gilman Avenue - Bret Harte Elementary (temporary trailer)	10	SFUSD	New temporary secondary service	SF had initially applied to PG&E for temp. power service. PG&E was unable to meet the project's schedule, so the project team redesigned and revised the plans so that the project could connect to the portables to the existing service.	No impacts update.
32	200 San Andreas Valley Road. - Fiber Optic Amplifier	N/A	SFPUC	New permanent secondary service	\$700/yr in lost gross revenue to SFPUC. \$25/yr in additional power costs to the project due to PG&E's higher rates.	No impacts update.
33	Streetlights	N/A	SFPUC	New unmetered service	Cost impact TBD. New streetlights have had to apply to PG&E for retail service and will have to pay PG&E's higher rates.	No impacts update.
34	Traffic Controllers	N/A	SFMTA	New unmetered service	Cost impact TBD. New traffic controllers have had to apply to PG&E for retail service and will incur additional costs due to PG&E now requiring traffic controllers to have meters.	No impacts update.

ATTACHMENT B – MAP OF INTERCONNECTION ISSUES

AS OF NOVEMBER 2023



HOUSING



INFRASTRUCTURE



HEALTH
AND SAFETY



INSTITUTION



RECREATION

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

SFPUC METERED
SERVICE POINT

Attachment C: Cost Impacts

	A	B	C	D	E	F	G	H	I
		Additional Costs to Project							Other Impacts to SF
	Project Location	Redesign Costs	Primary or Low-side Metering Equipment Costs	Additional Construction Costs	Additional Costs to Project for PG&E retail service*	Additional Const./Project Mgmt Costs Due to Delay	Additional Staff Time Costs	Total Additional Project Costs (B+C+D+E+F+G)	Lost gross revenue to SFPUC
1	3455 Van Ness Avenue - AWSS Pump Station No. 2		\$ 75,000					\$ 75,000	
2	19th Avenue - Traffic Signals							\$ -	
3	L Taraval - Streetlights							\$ -	
4	1360 43rd Avenue - Affordable Housing (Construction and Perm. Power) (135 units)				\$25,000			\$ 25,000	\$ 118,000
5	50 Bowling Green Drive - GGP Tennis Center	\$ 150,000		\$ 275,000				\$ 425,000	
6	78 Haight Street - Affordable Housing (63 units)				\$6,000			\$ 6,000	\$ 38,000
7	Haight Street - Traffic Signals							\$ -	
8	Folsom Streetscape - Traffic Signals and Safety Streetlighting							\$ -	
9	Market St. & 7th St. - BMS Switch							\$ -	
10	Transbay Transit Center - Transbay Joint Powers Authority**			\$ 5,000,000				\$ 5,000,000	
11	180 Jones Street - Affordable Housing (70 units)				\$20,000			\$ 20,000	\$ 89,000
12	266 4th Street - Affordable Housing (70 units)							\$ -	
13	600 7th Street - Affordable Housing (70 units)							\$ -	
14	***270 6th Street - Gene Friend Rec Center		\$ 800,000					\$ 800,000	
15	***2814 Great Highway - Westside Pump Station							\$ -	
16	3500 Great Highway - Oceanside Recycled Water							\$ -	
17	16th Street Improvement - Traffic Signals							\$ -	
18	2500 Mariposa St - Potrero Yard Modernization (Mixed-Use)							\$ -	
19	2500 Mariposa St - Potrero Yard Modernization (Industrial)							\$ -	
20	***102 Santa Marina Street - College Hill Reservoir							\$ -	
21	***300 Bartlett Street - Mission Branch Library		\$ 250,000					\$ 250,000	
22	601 25th Street - Muni Metro East Expansion							\$ -	
23	Harmonia Street - Sunnydale HOPE							\$ -	
24	1101 Connecticut Street - HOPE Potrero							\$ -	
25	603 Jamestown Avenue - Redevelopment Project							\$ -	
26	702 Phelps Street - SFMTA Substation							\$ -	
27	1800 Jerrold Avenue - Biosolids (Temp. Power)							\$ -	
28	901 Tennessee Street - Streetlights							\$ -	
29	1920 Evans - Arborist Trailer/BUF Yard							\$ -	
30	4840 Mission Street - Affordable Housing (Construction and Perm. Power)				\$47,000			\$ 47,000	\$ 301,000
31	35-45 Onondaga Avenue - Health Clinic							\$ -	
32	455 Athens Street - Cleveland Elementary School		\$ 345,000					\$ 345,000	

Attachment A1 Projects

Attachment C: Cost Impacts

	Project Location	Additional Costs to Project							Other Impacts to SF
		Redesign Costs	Primary or Low-side Metering Equipment Costs	Additional Construction Costs	Additional Costs to Project for PG&E retail service*	Additional Const./Project Mgmt Costs Due to Delay	Additional Staff Time Costs	Total Additional Project Costs (B+C+D+E+F+G)	Lost gross revenue to SFPUC
33	2340 San Jose Avenue - Affordable Housing (138 units)				\$35,000			\$ 35,000	\$ 191,000
34	Contract 65 - Traffic Signals (Various locations)								
35	1900 El Camino Real - Water Testing Equipment								
36	Multiple Service Transfers							\$ -	
37	951 Antoinette Lane - Well Pump & Control Panel							\$ -	
38	875 Bayshore Boulevard - Stormwater Project							\$ -	
39	2098 Alameda Street - Stormwater Project							\$ -	
1	499 Seacliff Avenue - Pump Station and Force Main				\$5,000			\$ 5,000	\$ 19,000
2	100 Sea Cliff Avenue - Pump Station				\$27,000			\$ 27,000	\$ 147,000
3	970 47th Avenue - Golden Gate Park Clubhouse (Temporary trailer)				\$33,000			\$ 33,000	\$ 21,000
4	4200 Geary Boulevard - Affordable Housing (Construction power)				\$8,000			\$ 8,000	\$ 45,000
5	346 Post Street - SFPD Command Van				\$4,000			\$ 4,000	\$ 2,000
6	850 Turk Street - Affordable Housing (Construction power)				\$166,700			\$ 166,700	\$ 944,000
7	822 Geary Street - Overdose Prevention and Crisis Stabilization				\$81,000			\$ 81,000	\$ 78,000
8	Seawall Lots 323 & 324 - Hotel & Theater (Construction power)				\$4,000			\$ 4,000	\$ 132,000
9	2550 Irving Street - Affordable Housing (Construction power)				\$30,000			\$ 30,000	\$ 256,000
10	Sunset Boulevard & Lawton Street - recycled water irrigation pump				\$25,000			\$ 25,000	\$ 15,000
11	Sunset Boulevard & Taraval Street - recycled water irrigation pump				\$25,000			\$ 25,000	\$ 15,000
12	Sunset Boulevard & Yorba Street - recycled water irrigation pump				\$25,000			\$ 25,000	\$ 15,000
13	730 Stanyan St. - Affordable Housing (Construction power)				\$28,000			\$ 28,000	\$ 148,000
14	420 Terry A. Francois Boulevard - Pump Controller				\$800			\$ 800	\$ 9,000
15	16th Street & Harrison - Stormwater Project				\$12			\$ 12	\$ 1,000
16	202 Channel Street - Mission Bay Stormwater Pump Station				\$6,000			\$ 6,000	\$ 113,000
17	240 Van Ness Avenue - Affordable Housing (Construction power)				\$15,000			\$ 15,000	\$ 87,000
18	600 7th Street - Affordable Housing (Construction power)				\$28,000				\$ 191,000
19	233 Beale Street - New Park				\$19,000			\$ 19,000	\$ 12,000
20	160 Freelon Street - Affordable Housing (Construction power)				\$127,000			\$ 127,000	\$ 716,000
21	499 John Muir Drive - Wastewater Pump				\$6,500			\$ 6,500	\$ 5,400
22	2530 18th St. - Homeless Prenatal Program Family Housing (Construction power)				\$93,000			\$ 93,000	\$ 246,000
23	1979 Mission Street - Tiny Homes Project				\$246,000			\$ 246,000	\$ 191,000
24	1236 Carroll Avenue - Temporary Lights and Cameras (for future SFFD training facility)				\$11,000			\$ 11,000	\$ 8,000

Attachment A2 Projects

Attachment C: Cost Impacts

	Project Location	Additional Costs to Project						Other Impacts to SF	
		Redesign Costs	Primary or Low-side Metering Equipment Costs	Additional Construction Costs	Additional Costs to Project for PG&E retail service*	Additional Const./Project Mgmt Costs Due to Delay	Additional Staff Time Costs	Total Additional Project Costs (B+C+D+E+F+G)	Lost gross revenue to SFPUC
25	India Basin - 900 Innes (Construction power)							\$ -	\$ 18,000
26	India Basin - Wi-fi Pop-Up				\$24,000			\$ 24,000	\$ 15,000
27	1035 Gilman Avenue - Bret Harte Elementary (Temporary trailer)							\$ -	
28	200 San Andreas Valley Road - Fiber Optic Amplifier				\$25			\$ 25	\$ 700
29	1939 Market Street - Affordable Housing Development (Temporary power)				\$48,000			\$ 48,000	\$ 301,000
30	270 6th Street - Gene Friend (SOMA) Recreation Center (Temporary power)				\$176,000			\$ 176,000	\$ 187,000
31	300 Bartlett Street - Mission Branch Library renovation (Temporary power)				\$93,000			\$ 93,000	\$ 72,000
32	2001 Embarcadero Street -Port SkyStar Observation Wheel (Temporary power)				\$228,000			\$ 228,000	\$ 737,000
33	1515 South Van Ness Avenue - Affordable Housing Development (Temporary power)								
34	Streetlights							\$ -	
35	Traffic Controllers							\$ -	
	TOTAL	\$ -	\$ 1,620,000	\$ 5,275,000	\$ 1,716,037	\$ -	\$ -	\$ 8,583,037	\$ 5,484,100
								Total Additional Project Costs	\$ 8,583,037.00
								Total Lost Gross Revenue to SFPUC	\$ 5,484,100.00
								Total Cost Impact to SF (Project Costs + Lost Revenue)	\$ 14,067,137.00

Note: These represent estimates of the costs that the City is aware of at the moment. The projects may incur additional costs going forward.

The projects in **RED** are projects that are currently at a standstill and may face financial impacts that are TBD depending on how long they will be delayed and how they will move forward.

*When calculating "Additional Costs to Project for PG&E retail service", the estimated value is either an annual estimate or for the length of the project (for temporary projects).

**The costs for #11 Transbay Transit Center are still being verified. See Attachment A for more details.

*** These projects have been identified as eligible to move forward under the Voltage Settlement, if approved.