

File No. 180251

Committee Item No. 3

Board Item No. \_\_\_\_\_

## COMMITTEE/BOARD OF SUPERVISORS

### AGENDA PACKET CONTENTS LIST

Comm: Public Safety & Neighborhood Services

Date: February 14, 2019

Board of Supervisors Meeting:

Date: \_\_\_\_\_

#### Cmte Board

- |                                     |                          |  |
|-------------------------------------|--------------------------|--|
| <input type="checkbox"/>            | <input type="checkbox"/> | Motion                                       |
| <input type="checkbox"/>            | <input type="checkbox"/> | Resolution                                   |
| <input type="checkbox"/>            | <input type="checkbox"/> | Ordinance                                    |
| <input type="checkbox"/>            | <input type="checkbox"/> | Legislative Digest                           |
| <input type="checkbox"/>            | <input type="checkbox"/> | Budget and Legislative Analyst Report        |
| <input type="checkbox"/>            | <input type="checkbox"/> | Youth Commission Report                      |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Introduction Form                            |
| <input type="checkbox"/>            | <input type="checkbox"/> | Department/Agency Cover Letter and/or Report |
| <input type="checkbox"/>            | <input type="checkbox"/> | MOU  |
| <input type="checkbox"/>            | <input type="checkbox"/> | Grant Information Form                       |
| <input type="checkbox"/>            | <input type="checkbox"/> | Grant Budget                                 |
| <input type="checkbox"/>            | <input type="checkbox"/> | Subcontract Budget                           |
| <input type="checkbox"/>            | <input type="checkbox"/> | Contract/Agreement                           |
| <input type="checkbox"/>            | <input type="checkbox"/> | Form 126 – Ethics Commission                 |
| <input type="checkbox"/>            | <input type="checkbox"/> | Award Letter                                 |
| <input type="checkbox"/>            | <input type="checkbox"/> | Application                                  |
| <input type="checkbox"/>            | <input type="checkbox"/> | Public Correspondence                        |

#### OTHER

- |                                     |                          |  |
|-------------------------------------|--------------------------|--|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <u>Rec and Park Presentation - June 13, 2018</u> |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <u>SFPUC Presentation - June 13, 2018</u>        |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <u>Referral FYI - March 21, 2018</u>             |
| <input type="checkbox"/>            | <input type="checkbox"/> | _____  |
| <input type="checkbox"/>            | <input type="checkbox"/> | _____  |

Prepared by: John Carroll

Date: February 8, 2019

Prepared by: John Carroll

Date: \_\_\_\_\_

Recreation and Park Department

# PG&E Project Impacts

*June 13, 2018*



Inspire, Connect, Play!

# Randall Museum

## *Summary of PG&E Electrical Application Project Impacts*



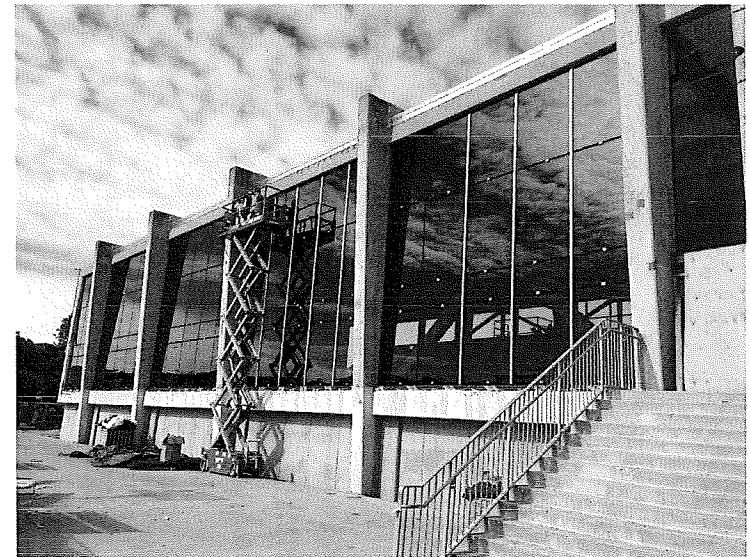
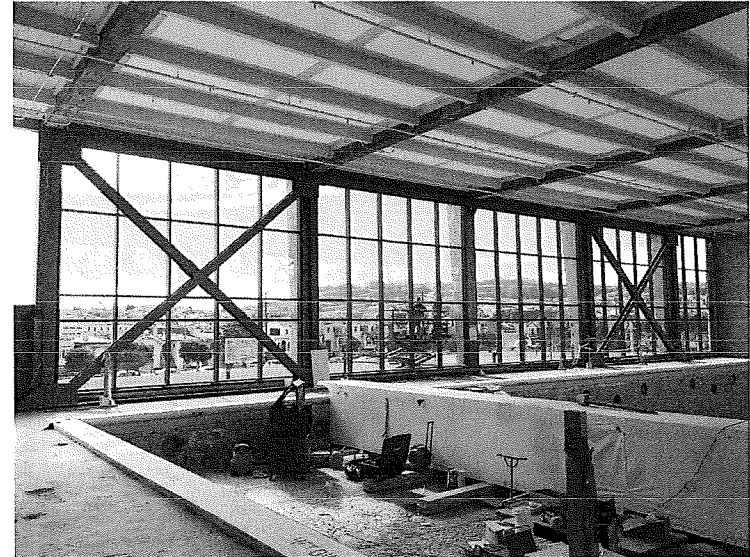
- 600A electrical service
- PG&E required installation of:
  - New transformer,
  - Outdoor rated main switchboard and meter section,
  - 450' of trenching and new subgrade conduit.
- **Cost Impact:** \$814,000
- **Schedule Impact:** 12 month construction delay



# Balboa Pool

## *Summary of PG&E Electrical Application Project Impacts*

- 600A electrical service
- PG&E required installation of:
  - New transformer with max threshold of 75kVa connected electrical load,
  - New outdoor rated main switchboard and meter section,
  - 200' of trenching and new subgrade conduit.
- **Cost Impact:** \$800,000
- **Schedule Impact:** 13 month construction delay



# Geneva Car Barn

## *Summary of PG&E Electrical Application Project Impacts*



- 800A electrical service
- PG&E required installation of:
  - New transformer with max threshold of 75kVa connected electrical load,
  - Outdoor rated main switchboard and meter section,
  - 400' of trenching and new subgrade conduit.
- **Cost Impact:** \$500,000
- **Schedule Impact:** 3 month construction delay



# Other Projects

## Summary of PG&E Electrical Application Project Impacts

### Stow Lake



- Site lost power in December 2016
- Dispute over ownership of the power line
- **Cost Impact:** >\$100,000
- **Schedule Impact:** Site ran a temporary generator from Dec 2016 to April 2018. Currently on utility-provided power. Future repair needed on power lines to Stow Lake.

### States St Restroom



- Site lost power in September 2017
- Dispute over ownership of the power line
- **Cost Impact:** minimal
- **Schedule Impact:** RPD made a repair to bathroom wiring in March 2018 per the request of PG&E. RPD is still waiting for PG&E to restore power to bathroom.



San Francisco  
**Water**  
Power  
Sewer

Services of the San Francisco Public Utilities Commission

# Public Safety Committee Hearing **Affordable Access to the Power Distribution Grid**

June 13, 2018

**Barbara Hale**  
Assistant General Manager, Power





# Agenda

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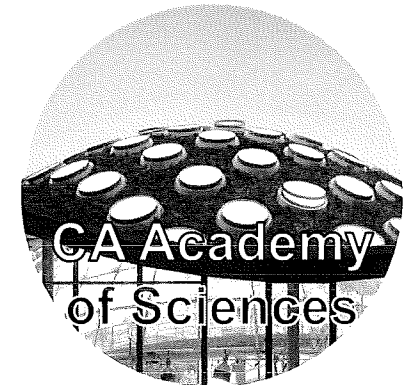
1. Background on Hetch Hetchy Power
2. History of Overcoming Challenges
3. Benefits of Hetch Hetchy Power and Lost Opportunities
4. Examples and Impacts of Roadblocks to Affordable Grid Access



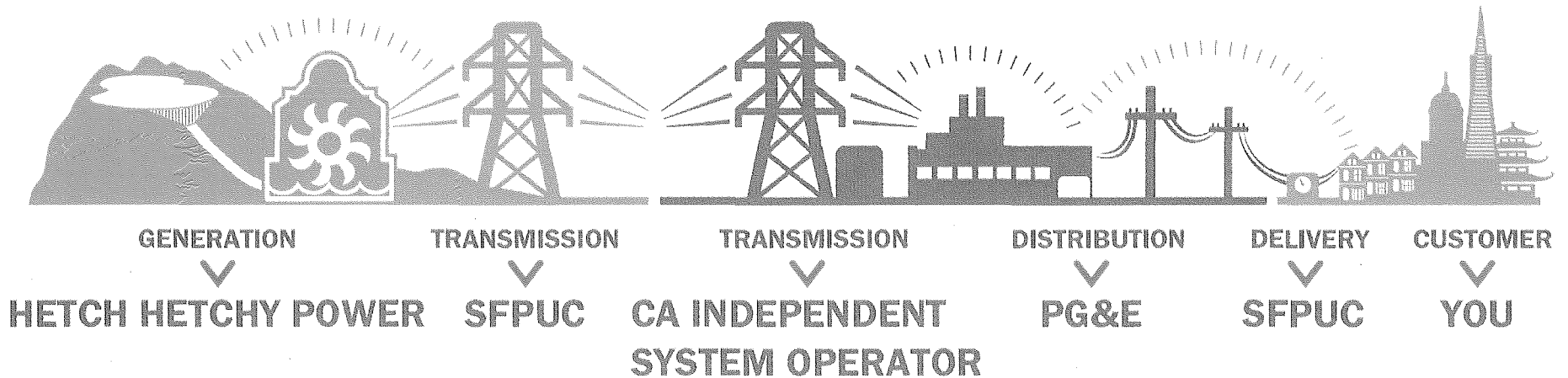


# Hetch Hetchy Power Has Powered San Francisco for 100 Years

**SFPUC provides 100% greenhouse gas-free power to City facilities and some new green communities**



# How Hetch Hetchy Power Works



The City pays PG&E about \$10 million per year to deliver Hetch Hetchy Power to over 2,500 metered and over 9,000 unmetered electric service points.



# Power Business Plan: Six Priority Strategies

PROTECT OUR BASE	Contain Costs	1. <b>Distribution:</b> Ensure affordable access to PG&E's distribution grid for SF residents and businesses
	Increase Revenue	2. <b>Customers:</b> Grow sale to maximize Hetch Hetchy value for San Francisco
STRENGTHEN OUR POSITION	Contain Costs	3. <b>Supply:</b> Pace spending with customer growth
		4. <b>Transmission:</b> Streamline spending
	Operational Excellence	5. <b>Distribution:</b> Invest strategically to reduce costs and ensure customer stability
		6. <b>Cross Functional:</b> Invest to ensure commercial speed and high levels of service for SF residents and businesses



San Francisco  
Water  
Power  
Sewer

# Long History of the City Working to Overcome Challenges

1910

**1913:** The Raker Act requires San Francisco to produce and distribute hydropower.

1920

**1925-1945:** PG&E refuses to deliver Hetch Hetchy Power to City customers. City agrees to sell the power to PG&E while working to find alternatives.

1930

**1940:** U.S. Supreme Court rules City can't sell Hetch Hetchy Power to PG&E.

1940

**1945:** PG&E finally agrees to deliver Hetch Hetchy Power to certain City customers, establishing first Interconnection Agreement.

1950

1960

**1945-2015:** City uses an Interconnection Agreement to deliver power, always subject to limits PG&E imposed on which customers the City could serve.

1970

1980

1990

**1990s:** Federal and State laws change to require open, fair access to private utilities' transmission and distribution.

2000

2010

**2015:** Interconnection Agreement expires; City switches to open access service. PG&E refuses to serve long-term City customers. PG&E's arbitrary technical requirements create delays and increase costs.

2020



# Benefits to the City and Lost Opportunity

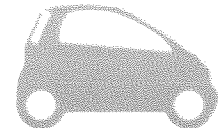
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IN THE PAST YEAR, HETCH HETCHY POWER HAS **SAVED** THE CITY

**\$40 MILLION**  
in energy costs

**387 MILLION POUNDS**  
of carbon dioxide emissions

the equivalent of **37,589** passenger  
vehicles driven for one year

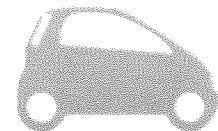


BUT PROJECTS NOT SERVED BY THE SFPUC DUE TO DIFFICULTIES  
WITH PG&E HAVE **COST** THE CITY

**\$6 MILLION**  
in forfeited City revenue

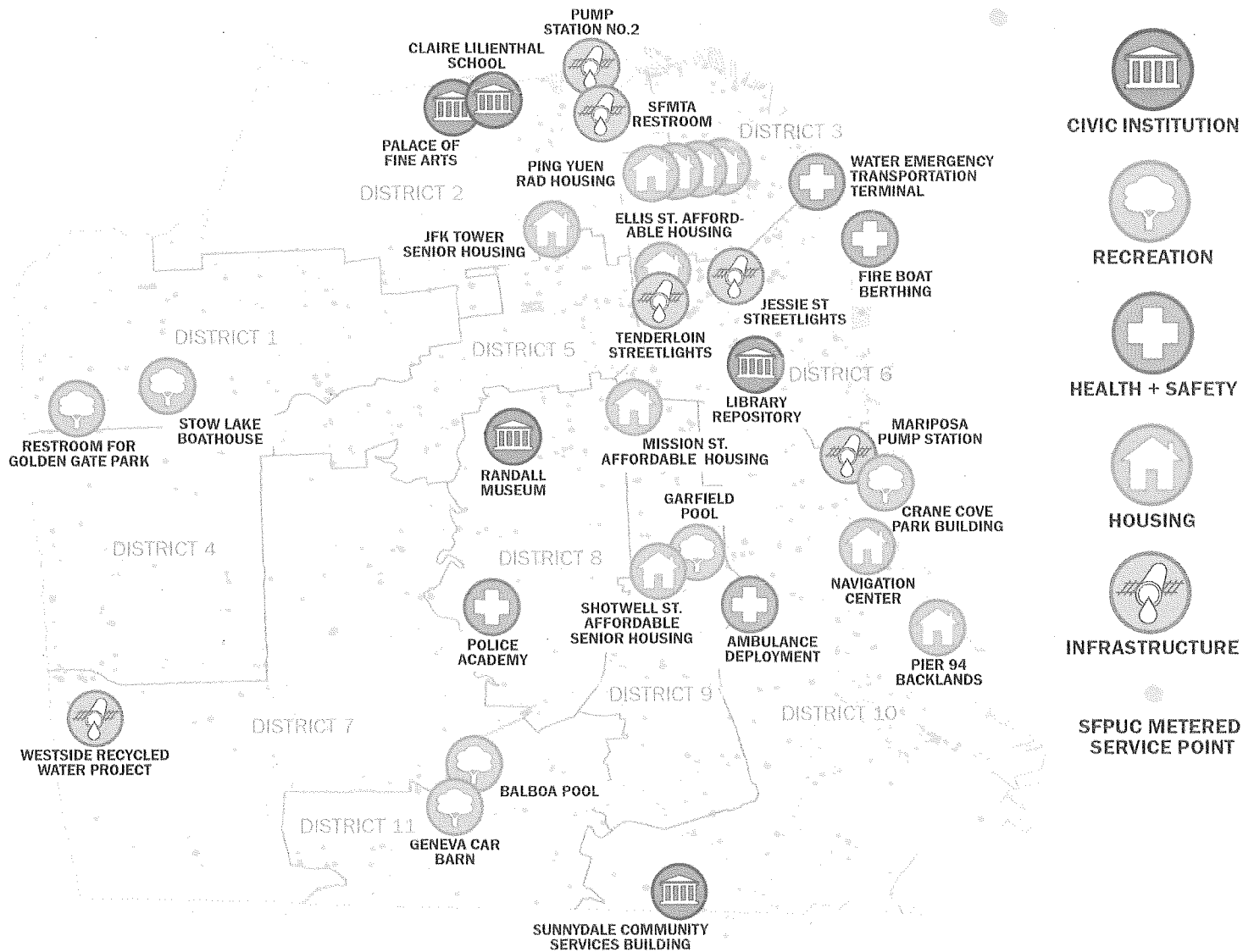
**20 MILLION POUNDS**  
of carbon dioxide emissions

the equivalent of **1,943** passenger  
vehicles driven for one year



When SF is able to use Hetch Hetchy power, it saves the City money  
and reduces its greenhouse gas emissions.

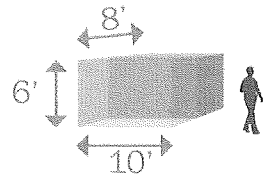
# Projects Hitting Roadblocks to Affordable Grid Access



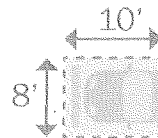
# Roadblocks Unnecessarily Increase Costs

## SECONDARY SERVICE (LOW VOLTAGE)

ELECTRICAL EQUIPMENT REQUIRED:



**80 SQUARE FEET**  
**\$100,000**

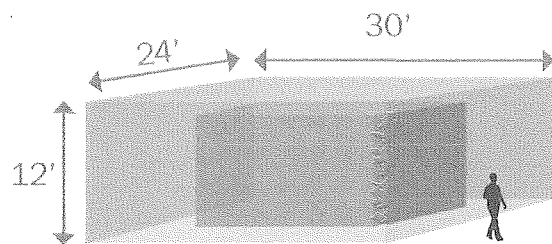


(half the size of a parking space)

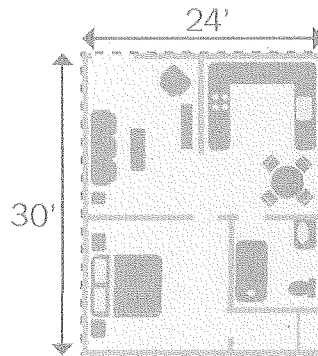
**MORE APPROPRIATE  
FOR MOST  
ELECTRICAL LOADS.**

## PRIMARY SERVICE (HIGH VOLTAGE)

ELECTRICAL EQUIPMENT REQUIRED:



**720 SQUARE FEET**  
**\$600,000**



(the size of a one bedroom apartment)

**USEFUL FOR VERY  
LARGE ELECTRICAL  
LOADS.**

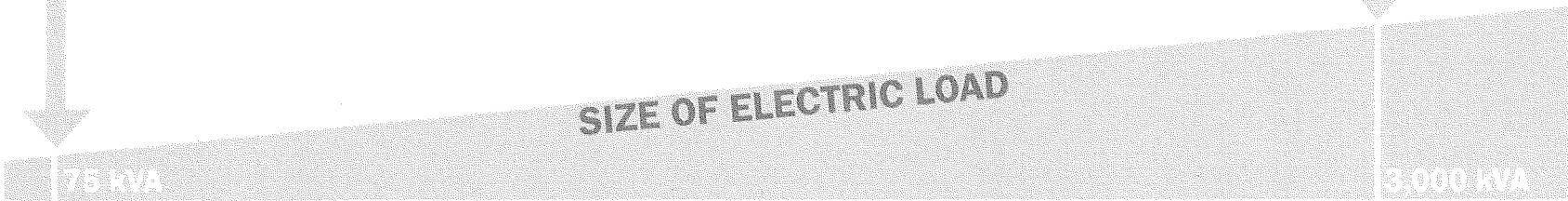
**Not needed for:**

- Meeting legal requirements
- Safety
- Reliability

# PG&E's Arbitrary Requirements

**PG&E ARBITRARILY  
REQUIRES SFPUC TO TAKE  
PRIMARY SERVICE AT 75 kVA**

**PG&E REQUIRES OTHER  
CUSTOMERS TO TAKE PRIMARY  
SERVICE AT 3,000 kVA**



**PING YUEN NORTH HOUSING: 558 kVA**

**JFK TOWERS SENIOR HOUSING: 424 kVA**

**RANDALL MUSEUM: 100 kVA**

**BALBOA POOL: 75 kVA**

**SFMTA EMPLOYEE TOILET: 7 kVA**

**ZUCKERBERG GENERAL  
HOSPITAL: 3,381 kVA**

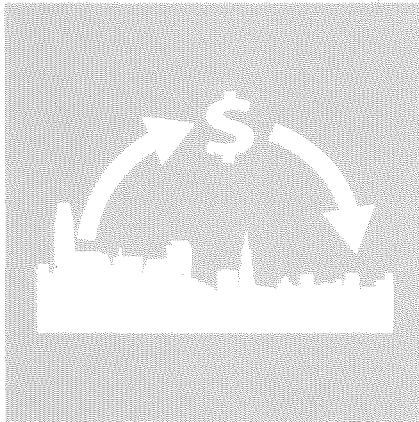




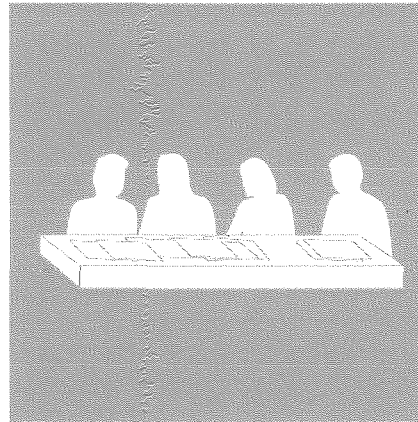
# Examples and Impacts of Roadblocks to Affordable Grid Access

Project	Roadblock Delay	Potential Loss of Public Benefit
<b>SFMTA Employee Toilet</b> (7 kVA)	<b>4 months</b>	<b>Loss of public space</b>
<b>Balboa Pool</b> (75 kVA)	<b>Over 1 year and counting</b>	<b>Loss of recreation space</b>
<b>Randall Museum</b> (100 kVA)	<b>Over 1 year</b>	<b>Loss of recreation and parking space</b>
<b>JFK Towers Senior Housing</b> (424 kVA)	<b>6 months and counting</b>	<b>Loss of residential units</b>
<b>Ping Yuen North Housing</b> (558 kVA)	<b>Over 1.5 years and counting</b>	<b>Loss of improved community room</b>

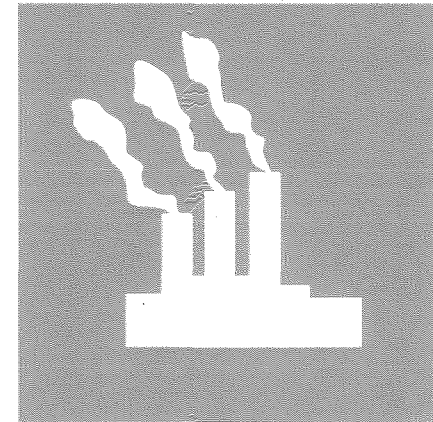
# Impacts to San Francisco



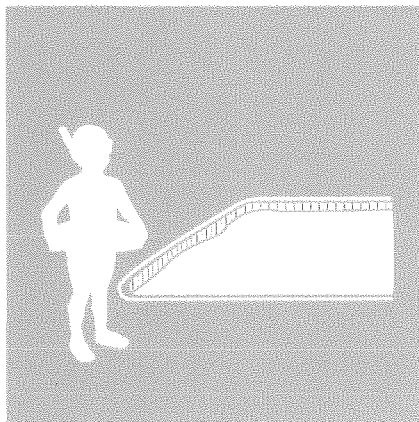
**Loss of City Revenue  
and Reinvestment**



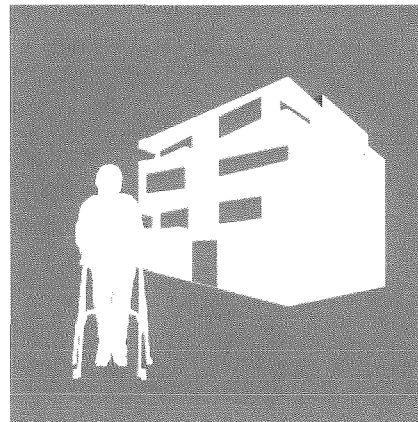
**Wasted City Funds  
on Staff Time to  
Remove Roadblocks**



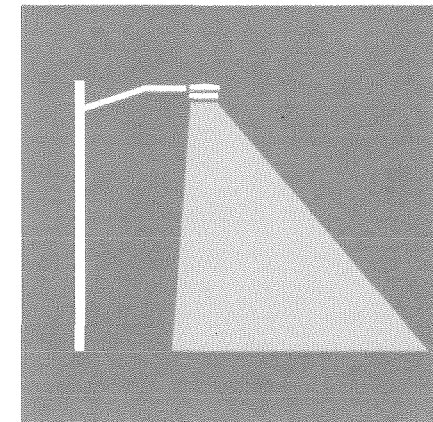
**Greenhouse Gas  
Emissions**



**Recreation  
Opportunities**



**Affordable Housing**



**Safety and Health**



# Hetch Hetchy Power: Critical to Reaching Our Goals and Living Our Values





**THANK YOU**



BOARD of SUPERVISORS



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1 Dr. Carlton B. Goodlett Place, Room 244  
San Francisco 94102-4689  
Tel. No. 554-5184  
Fax No. 554-5163  
TDD/TTY No. 554-5227

## MEMORANDUM

TO: Sebastian Conn, Pacific Gas and Electric Company  
Ramneek Saini, Pacific Gas and Electric Company  
Harlan Kelly, Jr., General Manager, San Francisco Public Utilities Commission  
Kate Hartley, Director, Mayor's Office of Housing and Community Development  
Phil Ginsburg, General Manager, Recreation and Parks Department  
Jeff Kositsky, Director, Department of Homelessness and Supportive Housing  
Mohammed Nuru, Director, Public Works

FROM: John Carroll, Assistant Clerk,  
Public Safety and Neighborhood Services Committee

DATE: March 21, 2018

SUBJECT: HEARING MATTER INTRODUCED

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The Board of Supervisors' Public Safety and Neighborhood Services Committee has received the following hearing request, introduced by Supervisor Ronen on March 13, 2018:

**File No. 180251**

**Hearing to learn more about Pacific Gas and Electric Company (PG&E) and San Francisco Public Utilities Commission roles in providing power to City projects and affordable housing and about the impact of PG&E requirements on project timelines, budgets, and power source decisions; and requesting PG&E, San Francisco Public Utilities Commission, Mayor's Office of Housing and Community Development, Department of Recreation and Parks, Department of Homelessness and Supportive Housing, and Public Works to report.**

If you have any comments or reports to be included with the file, please forward them to me at the Board of Supervisors, City Hall, Room 244, 1 Dr. Carlton B. Goodlett Place, San Francisco, CA 94102.

c: Juliet Ellis, San Francisco Public Utilities Commission  
John Scarpulla, San Francisco Public Utilities Commission  
Eugene Flannery, Mayor's Office of Housing and Community Development  
Amy Chan, Mayor's Office of Housing and Community Development  
Sarah Madland, Recreation and Parks Department  
Emily Cohen, Department of Homelessness and Supportive Housing  
David Steinberg, Public Works  
Jeremy Spitz, Public Works  
Jennifer Blot, Public Works

Print Form

# Introduction Form

By a Member of the Board of Supervisors or Mayor

RECEIVED  
 BOARD OF SUPERVISORS  
 SAN FRANCISCO  
 2018 MAR 13 PM 2:10  
 Time stamp  
 BY \_\_\_\_\_ or meeting date *[Signature]*

I hereby submit the following item for introduction (select only one):

- 1. For reference to Committee. (An Ordinance, Resolution, Motion or Charter Amendment).
- 2. Request for next printed agenda Without Reference to Committee.
- 3. Request for hearing on a subject matter at Committee.
- 4. Request for letter beginning : "Supervisor [ ] inquiries"
- 5. City Attorney Request.
- 6. Call File No. [ ] from Committee.
- 7. Budget Analyst request (attached written motion).
- 8. Substitute Legislation File No. [ ]
- 9. Reactivate File No. [ ]
- 10. Question(s) submitted for Mayoral Appearance before the BOS on [ ]

Please check the appropriate boxes. The proposed legislation should be forwarded to the following:

- Small Business Commission
- Youth Commission
- Ethics Commission
- Planning Commission
- Building Inspection Commission

**Note: For the Imperative Agenda (a resolution not on the printed agenda), use the Imperative Form.**

Sponsor(s):

Ronen

Subject:

City project access to City-owned clean, affordable power

The text is listed:

Hearing at PSNS to learn more about PG&E and SFPUC roles in providing power to City projects and affordable housing and about the impact of PG&E requirements on project timelines, budgets, and power source decisions. Invited to report and answer questions are PG&E, SFPUC, MOHCD, and Departments of Recreation and Parks, Homelessness and Supportive Housing, and Public Works.

Signature of Sponsoring Supervisor:

*[Signature: Ronen]*

For Clerk's Use Only