Resolution approving an emergency declaration of the San Francisco Public Utilities Commission pursuant to Administrative Code, Section 6.60, for the repair and servicing of the Tesla Treatment Facility Flywheel Uninterruptible Power Supply Units of the Hetch Hetchy Regional Water System, with an estimated total cost not to exceed $322,548.

WHEREAS, The San Francisco Public Utilities Commission's (SFPUC) Tesla Treatment Facility is a critical asset that disinfects water from the Hetch Hetchy Regional Water System and provides continuous delivery of clean water to SFPUC water customers; and

WHEREAS, The Tesla Treatment Facility has three Flywheel Uninterruptible Power Supply (UPS) Units that provide continuous power to the ultraviolet (UV) reactors during a utility power outage; and

WHEREAS, The UV reactors powered by the three UPS Units disinfect the Hetch Hetchy Regional Water System water passing through the Tesla Treatment Facility and ensure the delivery of continuous clean water to SFPUC water customers and compliance with the SFPUC's drinking water permit requirements; and

WHEREAS, UPS Unit 8130, one of the three UPS Units at the Tesla Treatment Facility, has failed; and

WHEREAS, Following the Unit 8130 failure, the UPS Units' manufacturer informed SFPUC staff that Unit 8130 was unsafe to run, and that leaving the other two still-functioning UPS Units online could potentially cause a worker safety issue, requiring SFPUC staff to
remove the remaining two UPS Units from service until repairs and servicing could be performed; and

WHEREAS, Without all three UPS Units functioning, the UV reactors are vulnerable to failure during a utility power outage, and keeping the UPS Units out of service for extended time periods increases the risk of further damage to them; and

WHEREAS, The UPS Units provide additional power conditioning that protects sensitive data and communication systems at the Tesla Treatment Facility, and SFPUC Information and Technology staff advise that repair of the UPS units should be expedited to avoid long-term damage to these data and communication systems; and

WHEREAS, It is necessary to immediately procure repair of the UPS Units to ensure the continued delivery of clean drinking water to SFPUC water customers and to maintain the protection of public health and welfare; and

WHEREAS, Administrative Code, Chapter 6, Section 6.60(b), authorizes department heads to declare an emergency to execute emergency work for the breakdown of any equipment necessitating immediate emergency repair or reconditioning to safeguard the lives or property of the citizens; or the property of the City; or to maintain the public health or welfare; and

WHEREAS, On October 17, 2017, the SFPUC General Manager declared an emergency, approved by the President of the SFPUC, for the immediate repair of the UPS Units at the Tesla Treatment Facility, and on December 1, 2017, the SFPUC General Manager issued a revised declaration of the emergency clarifying that the repair work should proceed under Chapter 6 of the Administrative Code; and

WHEREAS, Administrative Code, Section 6.60(d), requires that the General Manager seek Board of Supervisors approval of the declaration of emergency for emergency work with an estimated cost in excess of $250,000; and
WHEREAS, The SFPUC General Manager estimates that the repair of the UPS Units would have a total anticipated cost not to exceed $322,548; and

WHEREAS, The SFPUC has attempted to obtain at least three bids for the repair and servicing of the three UPS Units; and

WHEREAS, After reviewing the three bids, the SFPUC anticipates executing an emergency contract with Holt of California for the repair of the three UPS Units for an amount not to exceed $322,548; and

WHEREAS, The Controller has certified that funds are available for this emergency procurement; now, therefore, be it

RESOLVED, That the Board of Supervisors approves the emergency declaration for the immediate repair and servicing of the three UPS Units at the Tesla Treatment Facility made by the SFPUC General Manager on October 17, 2017, as amended on December 1, 2017; and, be it

FURTHER RESOLVED, That actions taken to date by the San Francisco Public Utilities Commission to secure such emergency contracts and resolve the emergency condition are hereby ratified.
RECOMMENDED:

HARLAN L. KELLY, JR.
General Manager of the SFPUC

FUNDS AVAILABLE:

BEN ROSENFIELD
Controller
Resolution approving an emergency declaration of the San Francisco Public Utilities Commission pursuant to Administrative Code, Section 6.60, for the repair and servicing of the Tesla Treatment Facility Flywheel Uninterruptible Power Supply Units of the Hetch Hetchy Regional Water System, with an estimated total cost not to exceed $322,548.

January 11, 2018 Budget and Finance Committee - AMENDED

January 11, 2018 Budget and Finance Committee - RECOMMENDED AS AMENDED

January 23, 2018 Board of Supervisors - ADOPTED
Ayes: 11 - Breed, Cohen, Farrell, Fewer, Kim, Peskin, Ronen, Safai, Sheehy, Tang and Yee

I hereby certify that the foregoing Resolution was ADOPTED on 1/23/2018 by the Board of Supervisors of the City and County of San Francisco.

Angela Calvillo
Clerk of the Board

Mark E. Farrell
Mayor