Resolution approving emergency public work of the San Francisco Public Utilities Commission related to drought declaration under Administrative Code, Section 6.60, to perform immediate work to repair Lower Cherry Aqueduct, Sunol Valley Water Treatment Plant, San Antonio Pump Station, and related infrastructure with contract amounts not to exceed $33,000,000 collectively.

WHEREAS, California continues to experience one of the most extreme droughts since hydrologic recordkeeping began; and

WHEREAS, As of September 26, 2014, precipitation in the Hetch Hetchy watershed was at 65% of the long-term average, below the average for the third year in a row; and

WHEREAS, On February 10, 2014, Mayor Ed Lee issued an Executive Directive to all city departments outlining actions to be taken to reduce water use, and directing the San Francisco Public Utilities Commission (SFPUC) to develop alternative sources of water supplies for both potable and non-potable uses; and

WHEREAS, On March 11, 2014, the San Francisco Board of Supervisors adopted Resolution 82-14, supporting emergency drought relief and the restoration of Lower Cherry Aqueduct to augment water supplies during the statewide drought; and

WHEREAS, Immediate SFPUC drought mitigation actions include the rehabilitation of the Lower Cherry Aqueduct, to repair aging infrastructure and damages incurred during the recent Rim Fire; and

WHEREAS, This project will enable the SFPUC to access up to 200,000 acre-feet of water storage in Cherry Lake by December 15, 2014; and
WHEREAS, The principal purpose of the Lower Cherry Aqueduct system is to convey a water supply from Cherry Creek that can supplement the primary Hetch Hetchy Reservoir supply during a drought year, but due to its age and the damage caused by the Rim Fire, the Lower Cherry Aqueduct system is currently unable to reliably convey this supplemental water supply; and

WHEREAS, There are three (3) facilities that are part of the Sunol Valley Water Treatment Plant Emergency Drought Reliability Improvements (SEDRI): San Antonio Pump Station (SAPS), Sunol Valley Chloramination Facility (SVCF), and the Sunol Valley Water Treatment Plant (SVWTP); and

WHEREAS, The SAPS has three (3) sets of pumps with the primary purpose of transferring water from the Alameda Siphon Pipelines or San Antonio Reservoir to SVWTP for treatment; and

WHEREAS, The SVCF, neighbors the SAPS, and treats the water blended in the Alameda Siphon Pipelines from the SVWTP and Hetch Hetchy; this facility also manages remote treatment facilities using supervisory control and data acquisition (SCADA) technology; and

WHEREAS, The SVWTP is a 160 million gallons per day capacity conventional filter plant that treats water from San Antonio and Calaveras Reservoirs, as well as Hetch Hetchy water transferred from the Alameda Siphons; and

WHEREAS, Repairs to the Sunol Valley Water Treatment Plant are required to improve several components of the plant to ensure treatment and safety reliability and allow the SFPUC to treat the water supply from the Lower Cherry Aqueduct system; and

WHEREAS, The work will consist of a new flocculant chemical system and building, chemical feed line replacement, replace lighting under the sedimentation basins, replace air scour piping, valve replacement, and repair sludge lagoon decant system defect; and
WHEREAS, The communications link between the Sunol Valley Chloramination Facility and Sunol Valley Water Treatment Plan will be improved for greater reliability and there are electrical upgrades to improve SAPS reliability; and

WHEREAS, If the above mentioned work to extend SFPUC water supplies is not immediately undertaken and facilities expeditiously brought into or returned to service, the sustainability of San Francisco's water supply would be placed at significant risk which would endanger the public's health and welfare; and

WHEREAS, San Francisco Administrative Code, Chapter 6, Article IV, Section 6.60, authorizes department heads responsible for public work to award an emergency contract, exempt from the competitive bidding process, in the event of an actual emergency which is defined to include, "...The breakdown or imminent breakdown of any plant, equipment, structure, street or public work necessitating immediate emergency repair or reconditioning to safeguard the lives or property of the citizens, or the property of the City and County, or to maintain the public health and welfare..."; and

WHEREAS, On February 21, 2014, the SFPUC General Manager declared an emergency, approved by the President of the SFPUC, to take immediate action to extend SFPUC water supplies and thereby protect public health and safety; and

WHEREAS, On April 29, 2014, the SFPUC General Manager updated the original emergency declaration, approved by the President of the SFPUC; and

WHEREAS, On October 24, 2014, the SFPUC General Manager updated the revised emergency declaration, approved by the President of the SFPUC; and

WHEREAS, Administrative Code, Section 6.60(D) requires that the General Manager immediately notify the Controller, and seek Board of Supervisors approval of emergency public works with an estimated cost in excess of $250,000; and
WHEREAS, The SFPUC General Manager estimates that the emergency rehabilitation work on the Lower Cherry Aqueduct will be approximately $22 million; and

WHEREAS, The repairs to Sunol Valley Water Facilities to extend SFPUC water supplies are projected to total approximately $9,392,106; and

WHEREAS, Collectively, these projects will have a not-to-exceed value of $33,000,000; and

WHEREAS, On July 29, 2014, the San Francisco Board of Supervisors adopted resolution 306-14, approving the emergency public work contract between the San Francisco Public Utilities Commission and Monterey Mechanical to perform immediate work to repair Sunol Valley Water Treatment Plant, San Antonio Pump Station and related infrastructure; and

WHEREAS, on September 2, 2014, the San Francisco Board of Supervisors adopted resolution 321-14, approving an emergency public work contract between the Public Utilities Commission and Flatiron, West, Inc. to perform immediate work to repair Lower Cherry Aqueduct; and

WHEREAS, The emergency rehabilitation work at Lower Cherry Aqueduct began April 2014, and should be completed by January 2016; and

WHEREAS, The emergency repairs at Sunol Valley Treatment Plant began July 2014, and should be completed by May 2015; and

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

RESOLVED, That the Board of Supervisors approves the emergency work under Administrative Code, Section 6.60, for extending SFPUC water supplies with a cumulative amount not to exceed $33,000,000; and, be it
FURTHER RESOLVED, That this resolution captures all work related to drought mitigation efforts including previously approved mitigation contracts and repairs relating to Lower Cherry Aqueduct, Sunol Valley Treatment Plant, San Antonio Pump Station, and all related infrastructure.
RECOMMENDED:

Harlan L. Kelly, Jr.
General Manager

FUNDS AVAILABLE:

Ben Rosenfield, Controller
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December 10, 2014 Budget and Finance Committee - AMENDED, AN AMENDMENT OF THE WHOLE BEARING NEW TITLE

December 10, 2014 Budget and Finance Committee - RECOMMENDED AS AMENDED

December 16, 2014 Board of Supervisors - ADOPTED
Ayes: 9 - Avalos, Breed, Campos, Cohen, Farrell, Kim, Mar, Tang and Wiener
Excused: 1 - Yee

File No. 141159

I hereby certify that the foregoing Resolution was ADOPTED on 12/16/2014 by the Board of Supervisors of the City and County of San Francisco.

Angela Calvillo
Clerk of the Board

Date Approved

City and County of San Francisco
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San Francisco, CA 94102-4689