

1 [Emergency Work - Repairing Lower Cherry Aqueduct and Upgrading Sunol Valley Water  
2 Facilities Related to Drought Declaration - Not to Exceed \$33,000,000]

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

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

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

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

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

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

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

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

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

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

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

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

23           WHEREAS, The work will consist of a new flocculant chemical system and building,  
24 chemical feed line replacement, replace lighting under the sedimentation basins, replace air  
25 scour piping, valve replacement, and repair sludge lagoon decant system defect; and

1           WHEREAS, The communications link between the Sunol Valley Chloramination Facility  
2 and Sunol Valley Water Treatment Plan will be improved for greater reliability and there are  
3 electrical upgrades to improve SAPS reliability; and

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

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

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

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

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

22           WHEREAS, Administrative Code, Section 6.60(D) requires that the General Manager  
23 immediately notify the Controller, and seek Board of Supervisors approval of emergency  
24 public works with an estimated cost in excess of \$250,000; and

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1           WHEREAS, The SFPUC General Manager estimates that the emergency rehabilitation  
2 work on the Lower Cherry Aqueduct will be approximately \$22 million; and

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

5           WHEREAS, Collectively, these projects will have a not-to-exceed value of  
6 \$33,000,000; and

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

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

16           WHEREAS, The emergency rehabilitation work at Lower Cherry Aqueduct began April  
17 2014, and should be completed by January 2016; and

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

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

22           RESOLVED, That the Board of Supervisors approves the emergency work under  
23 Administrative Code, Section 6.60, for extending SFPUC water supplies with a cumulative  
24 amount not to exceed \$33,000,000; and, be it

1            FURTHER RESOLVED, That this resolution captures all work related to drought  
2 mitigation efforts including previously approved mitigation contracts and repairs relating to  
3 Lower Cherry Aqueduct, Sunol Valley Treatment Plant, San Antonio Pump Station, and all  
4 related infrastructure.

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RECOMMENDED:

FUNDS AVAILABLE:

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Harlan L. Kelly, Jr.  
General Manager

Ben Rosenfield, Controller