

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

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 (SWWTP); 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 SWWTP for
12 treatment; and

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

17 WHEREAS, The SWWTP 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

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

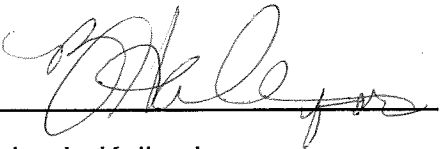
22 RESOLVED, That the Board of Supervisors approves the emergency work under
23 Administrative Code, Section 6.60, for extending SFPUC water supplies with a cumulative
24 amount not to exceed \$33,000,000; and, be it
25

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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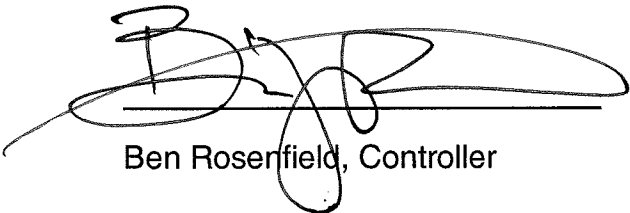
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RECOMMENDED:



Harlan L. Kelly, Jr.
General Manager

FUNDS AVAILABLE:



Ben Rosenfield, Controller



City and County of San Francisco
Tails
Resolution

City Hall
1 Dr. Carlton B. Goodlett Place
San Francisco, CA 94102-4689

File Number: 141159

Date Passed: December 16, 2014

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.

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

Mayor

Date Approved