

1 [Emergency Contracts - Repairing Lower Cherry Aqueduct and Upgrading Sunol Valley Water
2 Facilities Related to Drought Declaration - Not to Exceed \$29,000,000]

3 **Resolution approving emergency public work contracts of the San Francisco Public**
4 **Utilities Commission (SFPUC) related to drought declaration under San Francisco**
5 **Administrative Code, Section 6.60, to perform immediate work to repair Lower Cherry**
6 **Aqueduct, Sunol Valley Water Treatment Plant, San Antonio Pump Station, and related**
7 **infrastructure with contract amounts not to exceed \$29,000,000 collectively.**

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

11 WHEREAS, As of April 27, 2014, precipitation in the Hetch Hetchy watershed was at
12 57% of normal levels and snowpack was at 25% of normal levels; and

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

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

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

23 WHEREAS, This project will enable the SFPUC to access up to 200,000 acre-feet of
24 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 (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 San Francisco Public Utilities Commission, to
17 take immediate action to extend SFPUC water supplies and thereby protect public health and
18 safety; and

19 WHEREAS, On April 29, 2014, the SFPUC General Manager updated the original
20 emergency declaration, approved by the President of the San Francisco Public Utilities
21 Commission; 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 \$18.1 million; and

3 WHEREAS, The repairs to Sunol Valley Water Facilities to extend SFPUC water
4 supplies will also require multiple contracts, projected to total approximately \$10.9 million;
5 collectively, these projects will have a not-to-exceed value of \$29,000,000; and

6 WHEREAS, A resolution (File No. 140586) in response to this emergency drought
7 declaration was introduced June 3, 2014, to approve a contract with Flatiron, West, Inc. to
8 perform immediate repairs to Lower Cherry Aqueduct and is pending approval by the San
9 Francisco Board of Supervisors; and

10 WHEREAS, The emergency rehabilitation work at Lower Cherry Aqueduct began April
11 2014, and should be completed December 2014; and

12 WHEREAS, The emergency repairs at Sunol Valley Treatment Plant began July 2014,
13 and should be completed October 2014; and

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

16 RESOLVED, That the Board of Supervisors approves the emergency work under
17 Administrative Code, Section 6.60, for extending SFPUC water supplies with a contract
18 amounts not to exceed \$29,000,000; and, be it

19 FURTHER RESOLVED, That actions taken to date by the San Francisco Public
20 Utilities Commission to secure such emergency contracts and resolve the emergency
21 condition are hereby ratified; and, be it

22 FURTHER RESOLVED, That within (30) days of related contracts being fully executed
23 by all parties, the Public Utilities Commission shall provide the final contracts to the Clerk of
24 the Board for inclusion into the official file.

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RECOMMENDED:

FUNDS AVAILABLE:

Harlan L. Kelly, Jr.
General Manager

Ben Rosenfield, Controller