1   [Emergency Declaration - Repair of the Moccasin Powerhouse Unit 2 Generator Step-up
Transformer - Total Estimated Cost Not to Exceed $400,000]

2

3   **Resolution approving an emergency declaration of the San Francisco Public Utilities**

4   **Commission (SFPUC) pursuant to San Francisco Administrative Code, Section 6.60, to**

5   **repair the buswork and bushings on the Moccasin Powerhouse Unit 2 generator step-**

6   **up transformer, with a total estimated cost not to exceed $400,000.**

7

8   WHEREAS, Moccasin Powerhouse Unit 1 and Unit 2 located in Tuolumne County are

9   critical assets for providing continuous delivery of water to the 2.7 million water customers of

10   the San Francisco Public Utilities Commission (SFPUC) in the Bay Area. Any inability to use

11   these assets poses a threat to water deliveries, a basic service affecting the lives, property

12   and welfare of the SFPUC water customers in San Francisco, San Mateo, Santa Clara and

13   Alameda Counties; and

14   WHEREAS, On July 31, 2017, the main transformer in Moccasin Powerhouse Unit 1

15   failed, resulting in Moccasin Powerhouse Unit 2 also failing and a complete power outage in

16   Moccasin Camp; this caused a cease of water flow through the Moccasin Powerhouse, which

17   reduced the amount of water able to enter the SFPUC Regional Water System from 285 to

18   140 million gallons per day; and

19   WHEREAS, The complete power outage at Moccasin Camp necessitated the

20   installation and commissioning of a rented station service transformer to restore Moccasin

21   Powerhouse Unit 1 and increase water deliveries to the SFPUC Regional Water System back

22   to the scheduled rate of 285 million gallons per day; and

23   WHEREAS, Moccasin Powerhouse Unit 2 is still offline and needs to be repaired; and

24   WHEREAS, Due to Unit 2 still being offline, a failure of Moccasin Powerhouse Unit 1

25   would again result in restricted water deliveries to the SFPUC Regional Water System, posing

1 a risk to the water supply for the 2.7 million water customers relying on the water deliveries;

2 and

3   WHEREAS, Analysis of the July 31, 2017, failure of Moccasin Powerhouse Unit 1 and

4 Moccasin Powerhouse Unit 2 found that a phase to phase fault on the Unit 2 generator step-

5 up transformer caused Unit 2 to fail, which requires repair of the buswork and the bushings on

6 the step-up transformer to bring Unit 2 back into service; and

7   WHEREAS, Any delay to repairing the buswork and the bushings on the step-up

8 transformer serving Unit 2 poses a risk to the water supply for the 2.7 million water customers

9 relying on the water deliveries; and

10   WHEREAS, Administrative Code, Chapter 6, Article IV, Section 6.60, authorizes

11 department heads to declare an emergency and award a public work contract, exempt from

12 the competitive bidding process, in the event of an actual emergency, which is defined to

13 include, " ... [t]he breakdown or imminent breakdown of any plant, equipment, structure, street

14 or public work necessitating immediate emergency repair or reconditioning to safeguard the

15 lives or property of the citizens, or the property of the City and County, or to maintain the

16 public health and welfare ..."; and

17   WHEREAS, On August 28, 2017, the SFPUC General Manager declared an

18 emergency, approved by the President of the San Francisco Public Utilities Commission, to

19 repair the buswork and bushings on the Moccasin Powerhouse Unit 2 generator step-up

20 transformer in order to bring Unit 2 back into service; and

21   WHEREAS, Administrative Code, Section 6.60(d), requires the SFPUC General

22 Manager to seek the Board of Supervisors' approval in all cases where the cost of the

23 emergency work exceeds $250,000; and

24

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1   WHEREAS, The SFPUC General Manager estimates that repairing the buswork and

2   bushings on the Moccasin Powerhouse Unit 2 generator step-up transformer will not exceed

3    $400,000; and

4   WHEREAS, The SFPUC reached out to two vendors with the appropriate C10

5   electrical contractor licenses to perform the needed repair work, and determined that only one

6   of the vendors, Big Valley Electric, is a certified Local Business Enterprise; and

7   WHEREAS, Big Valley Electric also holds class A general engineering contractor's and

8   class B general building contractor's licenses, and the SFPUC is authorizing Big Valley

9   Electric to serve as the prime contractor, with two specialty subcontractors, Electrical Builders,

10   Inc. (EBI) and Western Utilities Transformer Service, to complete the repair work on the

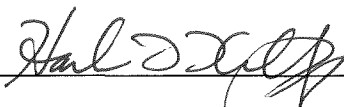11   Moccasin Powerhouse Unit 2 generator for an amount not to exceed $400,000; and

12   WHEREAS, The Controller has certified that funds are available for this emergency

13   work and contract; now, therefore, be it

14   RESOLVED, That the Board of Supervisors approves, under Administrative Code,

15   Section 6.60, the SFPUC General Manager's emergency determination dated August 28,

16   2017, to repair the buswork and bushings on the Moccasin Powerhouse Unit 2 generator

17   step-up transformer in order to bring Unit 2 back into service; and, be it

18   FURTHER RESOLVED, That the Board of Supervisors ratifies actions taken to date by

19   the San Francisco Public Utilities Commission to address such emergency work and resolve

20   the emergency condition.

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RECOMMENDED: FUNDS AVAILABLE:

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HARLAN L. KELLY, JR.   BEN ROSENFIELD

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General Manager of the SFPUC   Controller

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City and County of San Francisco

Tails

Resolution

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

File Number: 171038   **Date Passed:** November 14, 2017

Resolution approving an emergency declaration of the San Francisco Public Utilities Commission (SFPUC) pursuant to San Francisco Administrative Code, Section 6.60, to repair the buswork and bushings on the Moccasin Powerhouse Unit 2 generator step-up transformer, with a total estimated cost not to exceed $400,000.

November 02, 2017 Budget and Finance Committee - RECOMMENDED

November 14, 2017 Board of Supervisors - ADOPTED
        Ayes: 11 - Breed, Cohen, Farrell, Fewer, Kim, Peskin, Ronen, Safai, Sheehy, Tang and Yee

File No. 171038

I hereby certify that the foregoing Resolution was ADOPTED on 11/14/2017 by the Board of Supervisors of the City and County of San Francisco.

Angela Calvillo
Clerk of the Board

Mayor

\\ | 22 | 2017

Date Approved