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

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.

WHEREAS, Moccasin Powerhouse Unit 1 and Unit 2 located in Tuolumne County are critical assets for providing continuous delivery of water to the 2.7 million water customers of the San Francisco Public Utilities Commission (SFPUC) in the Bay Area. Any inability to use these assets poses a threat to water deliveries, a basic service affecting the lives, property and welfare of the SFPUC water customers in San Francisco, San Mateo, Santa Clara and Alameda Counties; and

WHEREAS, On July 31, 2017, the main transformer in Moccasin Powerhouse Unit 1 failed, resulting in Moccasin Powerhouse Unit 2 also failing and a complete power outage in Moccasin Camp; this caused a cease of water flow through the Moccasin Powerhouse, which reduced the amount of water able to enter the SFPUC Regional Water System from 285 to 140 million gallons per day; and

WHEREAS, The complete power outage at Moccasin Camp necessitated the installation and commissioning of a rented station service transformer to restore Moccasin Powerhouse Unit 1 and increase water deliveries to the SFPUC Regional Water System back to the scheduled rate of 285 million gallons per day; and

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

WHEREAS, Due to Unit 2 still being offline, a failure of Moccasin Powerhouse Unit 1 would again result in restricted water deliveries to the SFPUC Regional Water System, posing

Public Utilities Commission
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a risk to the water supply for the 2.7 million water customers relying on the water deliveries; and

WHEREAS, Analysis of the July 31, 2017, failure of Moccasin Powerhouse Unit 1 and Moccasin Powerhouse Unit 2 found that a phase to phase fault on the Unit 2 generator step-up transformer caused Unit 2 to fail, which requires repair of the buswork and the bushings on the step-up transformer to bring Unit 2 back into service; and

WHEREAS, Any delay to repairing the buswork and the bushings on the step-up transformer serving Unit 2 poses a risk to the water supply for the 2.7 million water customers relying on the water deliveries; and

WHEREAS, Administrative Code, Chapter 6, Article IV, Section 6.60, authorizes department heads to declare an emergency and award a public work contract, exempt from the competitive bidding process, in the event of an actual emergency, which is defined to include, “... [t]he 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 August 28, 2017, the SFPUC General Manager declared an emergency, approved by the President of the San Francisco Public Utilities Commission, to repair the buswork and bushings on the Moccasin Powerhouse Unit 2 generator step-up transformer in order to bring Unit 2 back into service; and

WHEREAS, Administrative Code, Section 6.60(d), requires the SFPUC General Manager to seek the Board of Supervisors’ approval in all cases where the cost of the emergency work exceeds $250,000; and
WHEREAS, The SFPUC General Manager estimates that repairing the buswork and bushings on the Moccasin Powerhouse Unit 2 generator step-up transformer will not exceed $400,000; and

WHEREAS, The SFPUC reached out to two vendors with the appropriate C10 electrical contractor licenses to perform the needed repair work, and determined that only one of the vendors, Big Valley Electric, is a certified Local Business Enterprise; and

WHEREAS, Big Valley Electric also holds class A general engineering contractor's and class B general building contractor's licenses, and the SFPUC is authorizing Big Valley Electric to serve as the prime contractor, with two specialty subcontractors, Electrical Builders, Inc. (EBI) and Western Utilities Transformer Service, to complete the repair work on the Moccasin Powerhouse Unit 2 generator for an amount not to exceed $400,000; and

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

RESOLVED, That the Board of Supervisors approves, under Administrative Code, Section 6.60, the SFPUC General Manager's emergency determination dated August 28, 2017, to repair the buswork and bushings on the Moccasin Powerhouse Unit 2 generator step-up transformer in order to bring Unit 2 back into service; and, be it

FURTHER RESOLVED, That the Board of Supervisors ratifies actions taken to date by the San Francisco Public Utilities Commission to address such emergency work and resolve the emergency condition.
RECOMMENDED:

HARLAN L. KELLY, JR.
General Manager of the SFPUC

FUNDS AVAILABLE:

BEN ROSENFIELD
Controller
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

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

Date Approved