

RIVERSIDE ENERGY RESOURCE CENTER UNITS 1 AND 2 EMERGENCY CHILLER REPAIRS IN THE AMOUNT OF \$322,538

Riverside Public Utilities

Board of Public Utilities
August 26, 2019

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BACKGROUND

1. Riverside Energy Resource Center Units 1 and 2 (RERC 1 & 2)

- A. Critical facility that meets daily and emergency power demands
- B. Both units require 3,500-ton chiller support for cooling

2. Emergency Repairs to Chiller Compressor Identified May 2, 2019

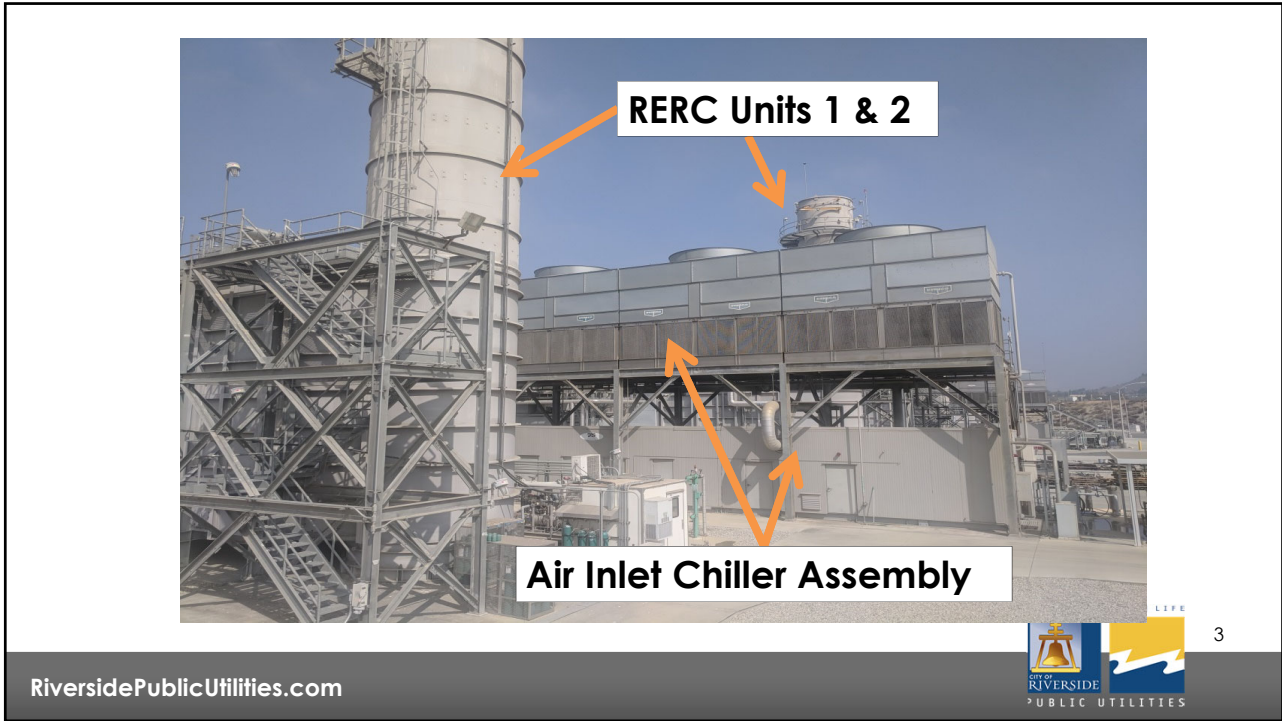
- A. First detected through routine oil sample analysis and vibration analysis confirmed motor failure

3. Emergency Authorization of Repairs Requested

- A. Riverside's City Charter, Section 1202(b) of Article XII authorizes expenditures when it is urgent to preserve life, health or property
- B. Extended outages of RERC 1 & 2 would have substantial impacts to customers

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DISCUSSION

1. May 3, 2019 - Public Utilities General Manager and City Manager approved emergency repairs

2. Trane US Inc.

- A. Retained under U.S. Communities Cooperative Agreement
- B. Preliminary proposal for motor repair and conduct full assessment on other components – PO issued for \$250,000
- C. Additional repairs identified during disassembly and inspection
 - i. May 6, 2019 – Impeller Replacement = CO 1 increased project cost to \$320,922
 - ii. June 19, 2019 – Vibration Analysis = CO 2 increased project cost to \$322,538

3. Repairs completed on June 25, 2019



DISCUSSION



Damaged Impeller

RECOMMENDATION

That the Board of Public Utilities approve the issuance of a purchase order with Trane U.S. Inc., of Brea, California, in the amount of \$322,538 for the emergency repairs on the air inlet chiller at Riverside energy Resource Center Units 1 and 2.