



ARC FLASH MITIGATION PROJECT AT THE POWER GENERATION FACILITIES WITH SIEMENS INDUSTRY Inc.

Riverside Public Utilities

Board of Public Utilities
June 11, 2018

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Arc Flash

1. Rapid release of heat energy due to electrical fault
 - a) Blast of energy
 - b) Excessive heat
 - c) Fire
2. Occupational Health and Safety Administration regulations
 - a) Assessed the workplace for potential electric-arc conditions
 - b) Identified exposure from electrical arcs
 - c) Employees wear the required personal protective equipment

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Arc Flash

3. Findings

- a) Over 500 breakers analyzed at 3 power plants
- b) 53 breakers identified; 41 addressed
- c) 12 remaining breakers require equipment redesign, upgrades, and additional protective relay devices

Proposal

- 1. RFP No. 1797 posted February 15 – March 16, 2018
- 2. Staff selected Siemens Industry Inc.
 - a) Most responsive
 - b) Provided the lowest fixed prices

Recommendation

That the Board of Public Utilities:

1. Award Request for Proposal No. 1797 for Design-Build Agreement in the amount of \$388,239 with Siemens Industry, Inc. for the Arc Flash Mitigation Project;
2. Authorize the City Manager, or his designee, to execute the Design-Build Agreement with Siemens Industry, Inc.; and
3. Approve Work Order No. 1826061 for \$497,000.