



EXPENDITURE WITH GE PACKAGED POWER, LLC OF HOUSTON, TEXAS FOR ETHERNET SWITCHES IN THE AMOUNT OF \$270,151

Riverside Public Utilities

Board of Public Utilities
January 25, 2021

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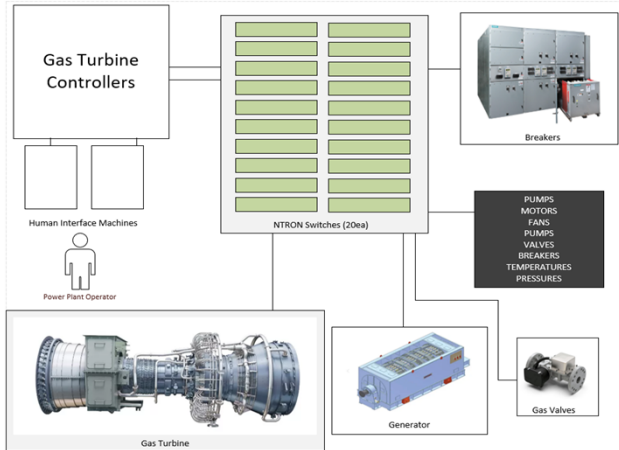
BACKGROUND

1. RERC Power Plant serves a critical role in meeting RPU customer's energy demands;
2. NTRON ethernet switches are integral components of the complex control systems at RERC:
 - a. Process operator commands and control equipment necessary to operate the plant;
 - b. Existing NTRON ethernet switches are older technology:
 - 1) Experiencing unplanned outages due to NTRON ethernet switch failures;
 - c. New and more reliable switch available that will improve RERC's reliability and reduce unplanned outages.

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NTRON FUNCTION LAYOUT



NTRON Switch



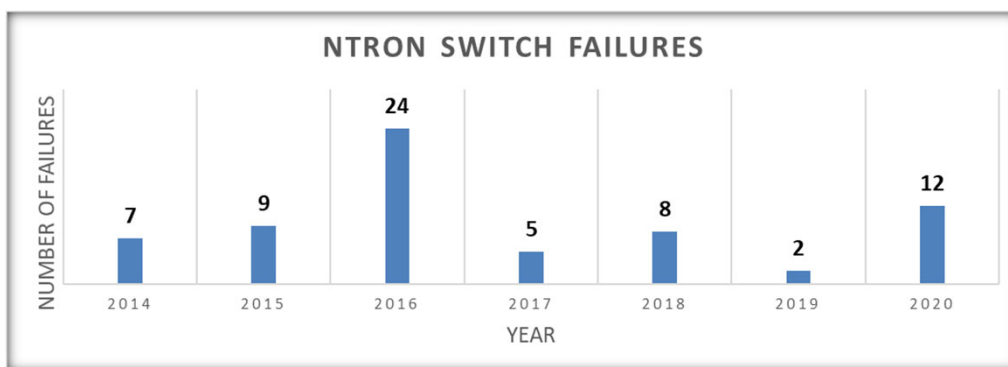
NTRON Switch Internal view

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HISTORICAL FAILURES AT RERC



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DISCUSSION

1. Purchasing Resolution No. 23256, Section 404 allows the Water, Electric and Sewer Utilities to procure certain supplies, equipment, and materials supplies through an Informal Procurement or Negotiated Procurement when there is a need for compatibility within their respective systems for uniform operation, maintenance and replacement:
 - a. Informal procurement does not require a formal request for bid be issued.
2. The NTRON ethernet switches are specialized equipment that allow for an Informal Procurement.

RECOMMENDED PROPOSAL

1. Staff requested proposals from six credible companies and received six proposals; and
2. GE Package Power provided the lowest cost, responsive bid.

Company	Location	Quotation
GE Packaged Power	Houston, TX	\$270,151.30
Starfish PPS	Tyler, TX	\$288,831.13
GTC Control Systems	Hawthorne, NY	\$294,104.58
IC Spares	Los Angeles, CA	\$301,700.60
Maximum Turbine Support	San Bernardino, CA	\$337,299.96
Insight	Tempe, AZ	\$414,342.65

RECOMMENDATIONS

That the Board of Public Utilities approve the expenditure with GE Packaged Power, LLC of Houston, Texas for ethernet switches in the amount of \$270,151.