Legislation Text

File #: 120153., **Version:** 0

Automated Transformer Loss Test System (B)

Staff recommends the purchase of an automated transformer loss test system from Automation Systems & Diagnostics, Inc. for Substation and Relay's Transformer Apparatus Shop.

GRU's Substation & Relay department is responsible for ensuring that transformers used in the utility's system are safe, reliable, and energy efficient. The Transformer Apparatus Shop tests equipment using a transformer loss test system which measures energy loss due to operation of the transformer.

The 25 year old system currently in use is obsolete, and parts and service are limited making maintenance of the equipment difficult and costly. In addition, the older model can no longer be used to test many of the utility's newer, large transformers with up to a 2500 kVA.

Utilities Purchasing issued a Request for Proposal to three companies that manufacture automated transformer loss test systems. Three proposals were received and were evaluated and scored based on cost, equipment specifications, proposer's background, references, delivery, maintenance and warranty and local preference. ASD submitted the highest rated proposal. An evaluation summary is attached for your information.

The itemized pricing provided in the proposals allowed for exclusion of some portions of the turn-key system. To reduce the purchase cost of the equipment, the system will be purchased without optional spare parts, turns ratio and winding resistance testing features. In addition, a 12-month warranty negates the need for a service agreement the first year. These modifications reduce the actual purchase price from $227,875 to $203,400.

The City Commission authorize the General Manager, or his designee, to approve the issuance of a purchase order to Automation Systems & Diagnostics, Inc. (ASD) for an automated transformer loss test system in the amount of $203,400.

Funds for this equipment are available in the FY 2012 budget.

Prepared by Dave Beaulieu, Assistant General Manager Energy Delivery
Submitted by Robert E. Hunzinger, General Manager