



Legislation Details (With Text)

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**File created:** 3/1/2023      **In control:** City Manager Procurement Awards

**On agenda:** 4/1/2023      **Final action:**

**Title:** Approve the award of Procurement 22-100E, Springbrook (72) Substation Circuit Shield Relay Upgrades, to Primera Engineers for an amount not to exceed \$97,385

**Sponsors:**

**Indexes:**

**Code sections:**

**Attachments:**

Date	Ver.	Action By	Action	Result
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**CITY MANAGER AUTHORITY PROCUREMENT AWARDS**

**ACTION REQUESTED:**

Approve the award of Procurement 22-100E, Springbrook (72) Substation Circuit Shield Relay Upgrades, to Primera Engineers for an amount not to exceed \$97,385

**DEPARTMENT:** Electric Utility

**SUBMITTED BY:** Brian Groth, Director

**BACKGROUND:**

The existing transformer 72XA and 72XB system protection schemes utilize old ABB Circuit Shield relays that have reached end of life. As a proactive measure, the Utility is replacing its aging relaying systems with modern microprocessor-based relaying. Microprocessor-based relays provide improved reliability, are more resistant to physical vibration/impacts, and have advanced monitoring functions such as self-checking and sequence of event recording.

In addition, the existing line relays for 138kV lines L1804 and L10319 utilize electromechanical (EM) relays that have reached end of life. As a proactive measure, the Utility is replacing its aging EM relays with modern microprocessor-based relaying. Microprocessor-based relays provide improved reliability, are more resistant to physical vibration/impacts, and have advanced monitoring functions such as self-checking and sequence of event recording.

In February 2022, the City Council awarded RFP 22-100, Transmission & Distribution Engineering Services, to Primera Engineers to offer supplemental engineering services to the Electric Utility on an as-needed basis for capital improvement and other projects.

**DISCUSSION:**

Per the terms of the master services agreement, Electric staff requested a proposal to perform engineering design services to design the new system protection schemes at Springbrook Substation.

The scope of the engineering services includes design, project management, and construction support services. Staff has confirmed Primera's proposal is in accordance with pricing terms agreed to within the master services agreement.

**FISCAL IMPACT:**

CIP#: EU047

Relay upgrades are expensed to the infrastructure account listed below. This work is related to EU047, which has a budget of \$600,000 in 2023. The requested award is within the budgeted amount for this expense.

<b>Account Number</b>	<b>Fund Description</b>	<b>Total Budget Amount</b>
40251300-551502	Electric Utility	\$15,096,000