



**AGENDA ITEM EXECUTIVE SUMMARY**

Agenda Item number: 4.b

Title:

Recommendation Reject All Bids from Substation Recloser Bid

Presenter:

Tom Bruhl

Meeting: Government Services Committee

Date: September 25, 2017

Proposed Cost: N/A

Budgeted Amount: N/A

Not Budgeted:

**Executive Summary** *(if not budgeted please explain):*

Purchasing went out for bids for substation reclosers. Two firms provided bids. One proposal did not meet critical equipment specifications and the other provided an incomplete bid offering only an accessory option.

Purchasing and Electric are going to re-write the specification to highlight all technical and commercial requirements related to bidding and re-issue the bid.

**Attachments** *(please list):*

\* Bid Tabulation \* Recommendation Memo

**Recommendation/Suggested Action** *(briefly explain):*

Recommendation to reject all bids for Substation Reclosers

<b>Sub 9 12kV recloser bidders</b>	<b>Bid result</b>
ABB - Wesco	Does not meet technical requirements
SEL - Astar	Incomplete - relay accessory only bid



# Memo

Date: 1 September 2017

To: Tom Bruhl, Electric Services Manager

From: Erika Drennan, Substation Engineer

## **Re: Recloser and Breaker Bid Results**

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Please consider the below findings and recommendation related to the two bids received for the reclosers at Legacy Substation and for the replacement program.

Note that there are two different applications/specifications that were specified in the Request for Bid.

### **Bid #1 included proposals for both applications:**

#### 12kV Feeder Recloser Specification:

- The submitted device uses a 24 pin connector, which is not compatible with our existing equipment. Using the ABB equipment would require new control cabinets and new different relays. The specification clearly called for a 14 pin connector.
- The base of the ABB recloser is wider in both the X and the Y directions, as evidenced by the submitted drawings. While the proposal from ABB states that mounting frame matches the City's existing standard recloser footprint, the provided drawing confirms that it is not compatible. For a retrofit application, the ABB proposal would require an unacceptable amount of customized field work.
- The bushings of the ABB are in an L shape, as opposed to all being on the top of the device. Replacing an existing recloser with the proposed device would require bus re-configuration that would be expensive and very time consuming, potentially extending outage time.

#### 12kV Main Specification:

- The submitted device is larger than our existing equipment and would not be compatible with our existing installations.
- The proposal included a relay that was not one of the options in the specification.
- The proposed relay does not support the specified Ethernet communication.

**Bid #2 included a proposal for the control relay only:**

Bid #2 provided a control relay as an alternative to the relay offered by any other bidder. The relay is a significant component of the recloser, but as an accessory to the recloser, this bid is only valid against other acceptable bids.

Summary/Recommendation:

Bid #1 does not meet core fit, form, and function requirements of our specification and is not acceptable.

Bid #2 for an accessory alternative does not have pertinence or relevance without an acceptable recloser proposal.

The recommendation is to reject all bids, revise the specification to better clarify the applications, and rebid. Revised specifications will include the necessity to meet all of the fit, form, and function requirements for reclosers proposed for our replacement program. Additionally, for the new Legacy Substation installation, the revised specifications will explain that if non-compatible equipment is proposed, the City will evaluate their proposal with respect to the new strategic spare equipment that will need to be purchased to support a substation with components incompatible with our existing stations and existing inventory of strategic spare equipment.