



ST. CHARLES  
SINCE 1834

## AGENDA ITEM EXECUTIVE SUMMARY

Title: Recommendation to Approve Purchase Order with Delta Star for City Hall Substation Transformer

Presenter: Tom Bruhl

*Please check appropriate box:*

	Government Operations	X	Government Services 06.23.14
	Planning & Development		City Council
	Public Hearing		

Estimated Cost:	\$442,544	Budgeted:	YES	X	NO	
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If NO, please explain how item will be funded:

**Executive Summary:**

Purchasing went out for bids and received seven responses for a new substation transformer. This 25MVA transformer will replace a unit that was taken out of service and retired two years ago after it failed a diagnostic Doble test. This transformer will be placed at City Hall Substation to serve load in the central part of the City. Delta Star has provided transformers to the City in past years, namely a unit at Dukane Drive Sub, and the unit at Peck Road Sub. We have not had any maintenance or reliability issues with Delta Star, and they have a fine reputation in the industry. Delta Star met all bid requirements and their proposal offered the lowest first cost and lowest life-of-unit cost of the bids received.

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

Bid tabulation

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

Recommendation to approve purchase order to Delta Star in the amount of \$442,544.

*For office use only:*

*Agenda Item Number: 5.d*

**EXHIBIT A**

**Bid Evaluation  
Substation 5 Transformer T2**

<b>Name of Bidder:</b>	<b>ABB</b>	<b>ABB</b>	<b>Waukesha Electric Systems</b>	<b>Howard</b>	<b>Delta Star</b>
<b>Item Description</b>					
<b>Representative:</b>	T & D Products	T & D Products	Waukesha Electric	Howard	Delta Star
<b>Manufacturer:</b>	ABB	ABB (Rectangular)	Waukesha Electric	Howard	Delta Star
<b>Delivery:</b>					
Date of Delivery In Place on Pad	24-26 Weeks	24-26 Weeks	N/A	26 Weeks	20-26 weeks
<b>Unit Cost of Losses:</b>					
No Load Losses Evaluated at \$/kW	\$ 3,990.00	\$ 3,990.00	\$ 3,990.00	\$ 3,990.00	\$ 3,990.00
Full Load and Auxiliary Losses Evaluated at \$/kW	\$ 1,300.00	\$ 1,300.00	\$ 1,300.00	\$ 1,300.00	\$ 1,300.00
<b>Guaranteed Losses from the Proposal Form:</b>					
No Load Losses (kW)	10.44	11.75	11.8	13.25	11.5
Total Losses - 55 Deg C rise (kW)	65.98	57	66.1	62.8	47.3
Auxiliary Losses (kW)	5.6	3	9.6	2	1.5
<b>Evaluated Costs:</b>					
Total Bid Cost	\$ 578,235.00	\$ 542,505.00	\$ 603,580.00	\$ 643,573.00	\$ 442,544.00
Adjustments to Bid Cost					
Lifecycle Cost of Losses	\$ 134,709.60	\$ 124,882.50	\$ 145,492.00	\$ 137,107.50	\$ 109,325.00
Cost of Additional Overseas Inspections					
Waranty Adjustment					
<b>TOTAL EVALUATED COST:</b>	<b>\$ 712,944.60</b>	<b>\$ 667,387.50</b>	<b>\$ 749,072.00</b>	<b>\$ 780,680.50</b>	<b>\$ 551,869.00</b>