



ST. CHARLES
SINCE 1834

AGENDA ITEM EXECUTIVE SUMMARY

Title:	Recommendation to Award Contract for the Purchase of a Substation Transformer to ABB c/o T&D Products
Presenter:	Tom Bruhl

Please check appropriate box:

	Government Operations	X	Government Services 05.29.2012
	Planning & Development		City Council
	Public Hearing		

Estimated Cost:	\$565,700	Budgeted:	YES	X	NO	
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If NO, please explain how item will be funded:

Executive Summary:

In 2011, as part of our substation maintenance program, Doble equipment was used to test some of our older transformers. Two transformers had unacceptable results. Our results were verified by an engineer from Doble retesting using our equipment, and then by a third party using different test equipment. Both the Doble engineer and the HiVoltage engineer strongly advised the City to not keep the units in service. The unit at Dunham Road Substation is the more urgent replacement need due to relatively high loading on substations east of the river. The replacement of the second failed unit is not as urgent and will be part of a substation upgrade project budgeted for engineering in 2013/2014 and construction in 2014/2015. Bids were solicited through our Purchasing Department and we received four bids. The ABB unit was the low first cost unit and the low life cost unit.

Attachments: *(please list)*

1. Bid Tabulation

Recommendation / Suggested Action *(briefly explain):*

Recommend approval to award contract to ABB c/o T&D Products for \$565,700.

<i>For office use only:</i>	<i>Agenda Item Number: 4.m</i>
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EXHIBIT A

Bid Evaluation
Substation 5 Transformer T2

Item Description	Name of Bidder:	ABB	Waukesha Electric Systems	Howard	Pauwels Transformer, Inc.
Representative:	ABB	ABB	SPX	Howard Industries	CG Power Systems
Manufacturer:	T & D products	Waukesha Electric	Howard	CG power	
Delivery:					
Date of Delivery In Place on Pad	26-28 Weeks	36-40 Weeks	26 Weeks	32-34 weeks	
Guaranteed Losses (55 degC) from the Proposal Form:					
No Load Losses (kW)	11.75	11.3	12.65	13.2	
Full Load Losses (kW)	68.75	45.8	47.95	45.8	
Auxiliary Losses (kW)	2.5	0.9	1.5	1	
Evaluated Costs:					
Total Bid Cost	\$ 565,700.00	\$ 965,069.00	\$ 745,000.00	\$ 652,799.00	
Lifecycle Cost of Losses	\$ 139,507.50	\$ 105,797.00	\$ 114,758.50	\$ 113,508.00	
TOTAL EVALUATED COST:	\$ 705,207.50	\$ 1,070,866.00	\$ 859,758.50	\$ 766,307.00	