



**CITY OF LODI
COUNCIL COMMUNICATION**

AGENDA TITLE: Adopt a resolution awarding the purchase of pole-mount and pad-mount transformers to ERMCO, Inc., of Dyersburg, TN (\$83,851.06) (EUD)

MEETING DATE: October 4, 2006

PREPARED BY: Electric Utility Director

RECOMMENDED ACTION: That the City Council adopt a resolution awarding the bid for the purchase of 27 pole-mount and five pad-mount transformers to ERMCO, Inc., of Dyersburg, Tennessee, the bidder whose proposal and equipment meet City of Lodi specifications, and whose transformers are expected to yield the lowest overall life-cycle costs. Total purchase price is \$83,851.06.

BACKGROUND INFORMATION: On August 2, 2006, the City Council authorized the advertisement for bids for pole-mount and pad-mount transformers to meet the Electric Utility Department's anticipated needs for mid-2007.

On September 6, 2006, bids were opened for three sizes each of pole-mount and pad-mount transformers, and life-cycle costs were evaluated. (Life-cycle costs are the combined total of purchase price plus cost of operation based on estimated power loss during the projected life of the transformer. Power loss in a transformer results from resistance to electrical current in the primary and secondary windings, creating heat, combined with the power needed to energize the core of the transformer.) A summary of the life-cycle cost evaluation for the transformers is attached as Exhibit A. The successful bidder, Electric Research and Manufacturing Cooperative (ERMCO), is represented by Hees Enterprises of Astoria, OR.

These transformers are expected to arrive in May, 2007, to cover anticipated mid-2007 requirements.

FISCAL IMPACT: Initial cost \$83,851.06, to be recovered by revenues from future sale of power.

FUNDING: Electric Utility Department 2006-2007 Financial Plan and Budget, Line Extensions


Ruby Paiste, Financial Services Manager


George Morrow, Electric Utility Director

Attachment: Exhibit A
Prepared by Joel Harris, Purchasing Officer
cc: City Attorney
EUD Electrical Engineer

APPROVED: 
Blair King, City Manager

Transformer Bid Evaluation

Bid Opening: September 6, 2006

Polemount

Tax (factor): 1.0775
 No Load Loss \$/watt: 3.75
 Load Loss \$/watt: 1.25

Primary Winding: 12,000 Volt Line-to-Line

September 6, 2006

Bid Item 1: 25kVA, 120/240 Volt, Single Phase Conventional Pole

Number of units: 5 45 500

Vendor	Unit Price \$	Extended Price \$	Price w/tax \$	No Load Loss (watts)	Load Loss (watts)	No Load Loss value	Load Loss value	Cost of Losses \$	Life Cycle Cost \$	Delivery (weeks)	Height (inches)	Weight (pounds)
ERMCo c/o Hees Enterprises, Inc.	834.00	4,170.00	4,493.18	70	312	1,312.50	1,950.00	3,262.50	7,755.68	31-33	41	400
WESCO Distribution -San Leandro	1,838.00	9,190.00	9,902.23	77	346	1,443.75	2,162.50	3,606.25	13,508.48	31	37	322.2
GE Supply	1,328.00	6,640.00	7,154.60	55	323	1,031.25	2,018.75	3,050.00	10,204.60	23	21.8	336
Howard Industries, Inc.	1,270.00	6,350.00	6,842.13	68	320	1,275.00	2,000.00	3,275.00	10,117.13	22-24	32	334
Central Moloney, Inc.	No Bid											
Hughes Supply, Inc. -Cooper	1,009.00	5,045.00	5,435.99	49	372	918.75	2,325.00	3,243.75	8,679.74	39-41	37	328

Bid Item 2: 37.5kVA, 120/240 Volt, Single Phase Circuit-Protected Pole

Number of units: 9 48 625

Vendor	Unit Price \$	Extended Price \$	Price w/tax \$	No Load Loss (watts)	Load Loss (watts)	No Load Loss value	Load Loss value	Cost of Losses \$	Life Cycle Cost \$	Delivery (weeks)	Height (inches)	Weight (pounds)
ERMCo c/o Hees Enterprises, Inc.	1,236.00	11,124.00	11,986.11	83	423	2,801.25	4,758.75	7,560.00	19,546.11	31-33	40.9	529
WESCO Distribution -San Leandro	2,374.00	21,366.00	23,021.87	100	507	3,375.00	5,703.75	9,078.75	32,100.62	31	42	507
GE Supply	1,895.00	17,055.00	18,376.76	80	424	2,700.00	4,770.00	7,470.00	25,846.76	23	32.7	501
Howard Industries, Inc.	2,015.00	18,135.00	19,540.46	92	414	3,105.00	4,657.50	7,762.50	27,302.96	22-24	36	442
Central Moloney, Inc.	No Bid											
Howard Industries, Inc. -Cooper	1,400.00	12,600.00	13,576.50	80	489	2,700.00	5,501.25	8,201.25	21,777.75	39-41	41	441

Bid Item 3: 50kVA, 120/240 Volt, Single Phase Circuit-Protected Pole

Number of units: 13 51 800

Vendor	Unit Price \$	Extended Price \$	Price w/tax \$	No Load Loss (watts)	Load Loss (watts)	No Load Loss value	Load Loss value	Cost of Losses \$	Life Cycle Cost \$	Delivery (weeks)	Height (inches)	Weight (pounds)
ERMCo c/o Hees Enterprises, Inc.	1,359.00	17,667.00	19,036.19	119	500	5,801.25	8,125.00	13,926.25	32,962.44	31-33	40.9	582
WESCO Distribution -San Leandro	2,666.00	34,658.00	37,344.00	123	630	5,996.25	10,237.50	16,233.75	53,577.75	31	46	561.74
GE Supply	2,890.00	37,570.00	40,481.68	102	384	4,972.50	6,240.00	11,212.50	51,694.18	23	33.1	817
Howard Industries, Inc.	2,054.00	26,702.00	28,771.41	114	505	5,557.50	8,206.25	13,763.75	42,535.16	22-24	39	560
Central Moloney, Inc.	No Bid											
Howard Industries, Inc. -Cooper	1,820.00	23,660.00	25,493.65	107	601	5,216.25	9,766.25	14,982.50	40,476.15	39-41	43	551

Transformer Bid Evaluation

Bid Opening: September 6, 2006

Padmount

Tax (factor): 1.0775
 No Load Loss \$/watt: 3.75
 Load Loss \$/watt: 1.25
Primary Winding: 12,000 Volt, Delta Connected

September 6, 2006

Bid Item 1: 150 kVA, 208Y/120 Volt, Three Phase Pad

Number of units: 1 65 >2.0

Vendor	Unit Price \$	Extended Price \$	Price w/tax \$	No Load Loss (watts)	Load Loss (watts)	No Load Loss value	Load Loss value	Cost of Losses \$	Life Cycle Cost \$	Delivery (weeks)	Height (inches)	Impedance %
ERMCo c/o Hees Enterprises, Inc.	5,955.00	5,955.00	6,416.51	323	1594	1,211.25	1,992.50	3,203.75	9,620.26	29-31	49	3.800
WESCO Distribution -San Leandro, CA	7,774.00	7,774.00	8,376.49	332	1242	1,245.00	1,552.50	2,797.50	11,173.99	52	48	2.710
GE Supply	7,485.00	7,485.00	8,065.09	635	2113	2,381.25	2,641.25	5,022.50	13,087.59	22	53.15	3.180
Howard Industries, Inc.	7,980.00	7,980.00	8,598.45	306	1617	1,147.50	2,021.25	3,168.75	11,767.20	18-20	46	2.300
Hughes Supply, Inc. -Pauwels	6,376.00	6,376.00	6,870.14	325	1555	1,218.75	1,943.75	3,162.50	10,032.64	26-28	52	2.120
Hughes Supply, Inc. -Cooper	6,861.00	6,861.00	7,392.73	339	1326	1,271.25	1,657.50	2,928.75	10,321.48	27-29	50	2.940
Central Maloney	No Bid											

Bid Item 2: 225 kVA, 480Y/277 Volt, Three Phase Pad,

Number of units: 1 65 >3.5

Vendor	Unit Price \$	Extended Price \$	Price w/tax \$	No Load Loss (watts)	Load Loss (watts)	No Load Loss value	Load Loss value	Cost of Losses \$	Life Cycle Cost \$	Delivery (weeks)	Height (inches)	Impedance %
ERMCo c/o Hees Enterprises, Inc.	6,990.00	6,990.00	7,531.73	379	2224	1,421.25	2,780.00	4,201.25	11,732.98	29-31	49	5.500
WESCO Distribution -San Leandro, CA	10,290.00	10,290.00	11,087.48	383	1764	1,436.25	2,205.00	3,641.25	14,728.73	52	56	3.890
GE Supply	8,800.00	8,800.00	9,482.00	730	2726	2,737.50	3,407.50	6,145.00	15,627.00	22	50.16	3.940
Howard Industries, Inc.	9,198.00	9,198.00	9,910.85	413	2,130	1,548.75	2,662.50	4,211.25	14,122.10	18-20	51	3.800
Hughes Supply, Inc. -Pauwels	7,664.00	7,664.00	8,257.96	442	1956	1,657.50	2,445.00	4,102.50	12,360.46	26-28	58	3.540
Hughes Supply, Inc. -Cooper	8,266.00	8,266.00	8,906.62	399	1730	1,496.25	2,162.50	3,658.75	12,565.37	27-29	50	3.850
Central Maloney	No Bid											

Bid Item 3: 500 kVA, 480/277 Volt, Three Phase Pad,

Number of units: 3 75 >4.0

Vendor	Unit Price \$	Extended Price \$	Price w/tax \$	No Load Loss (watts)	Load Loss (watts)	No Load Loss value	Load Loss value	Cost of Losses \$	Life Cycle Cost \$	Delivery (weeks)	Height (inches)	Impedance %
ERMCo c/o Hees Enterprises, Inc.	10,638.00	31,914.00	34,387.34	751	3470	8,448.75	13,012.50	21,461.25	55,848.59	29-31	49	5.700
WESCO Distribution -San Leandro, CA	15,242.00	45,726.00	49,269.77	620	3664	6,975.00	13,740.00	20,715.00	69,984.77	52	60	5.230
GE Supply	12,300.00	36,900.00	39,759.75	1359	5406	15,288.75	20,272.50	35,561.25	75,321.00	22	56.89	4.120
Howard Industries, Inc.	14,724.00	44,172.00	47,595.33	802	3786	9,022.50	14,197.50	23,220.00	70,815.33	18-20	61	4.300
Hughes Supply, Inc. -Pauwels	11,878.00	35,634.00	38,395.64	692	3905	7,785.00	14,643.75	22,428.75	60,824.39	26-28	58	4.000
Hughes Supply, Inc. -Cooper	13,099.00	39,297.00	42,342.52	845	2992	9,506.25	11,220.00	20,726.25	63,068.77	27-29	50	4.320
Central Maloney	No Bid											

RESOLUTION NO. 2006-179

A RESOLUTION OF THE LODI CITY COUNCIL
AWARDING THE BIDS FOR THE PURCHASE OF
POLEMOUNT AND PADMOUNT TRANSFORMERS

WHEREAS, in answer to notice duly published in accordance with law and the order of this City Council, sealed bids were received and publicly opened on September 6, 2006, at 11:00 a.m. for the purchase of polemount and padmount transformers for the Electric Utility Department, described in the specifications therefore approved by the City Council on August 2, 2006; and

WHEREAS, said bids have been compared, checked, and tabulated and a report thereof filed with the City Manager as shown on Exhibit A attached; and

WHEREAS, the City Manager recommends the award of the bids for the various types and sizes of polemount and padmount transformers for the Electric Utility Department be made to the bidder whose proposal and equipment meet City of Lodi specifications and whose transformers are expected to yield the lowest overall life-cycle costs, listed as follows:

Polemounts: 27 ea	Electric Research & Manufacturing Cooperative (ERMCO)	\$35,515.48
Padmounts: 5 ea	ERMCO	<u>\$48,335.58</u>
		\$83,851.06

NOW, THEREFORE, BE IT RESOLVED that the award of the bids for the purchase of polemount and padmount transformers for the Electric Utility Department be and the same is hereby awarded to the lowest responsible bidder, ERMCO, Inc., of Dyersburg, Tennessee, (represented by Hees Enterprises of Astoria, OR) in the total amount of \$83,851.06.

Dated: October 4, 2006

I hereby certify that Resolution No. 2006-179 was passed and adopted by the City Council of the City of Lodi in a regular meeting held October 4, 2006, by the following vote:

AYES: COUNCIL MEMBERS – Beckman, Hansen, Johnson, Mounce,
and Mayor Hitchcock

NOES: COUNCIL MEMBERS – None

ABSENT: COUNCIL MEMBERS – None

ABSTAIN: COUNCIL MEMBERS – None


JENNIFER M. PERRIN
Interim City Clerk

Transformer Bid Evaluation

Bid Opening: September 6, 2006

Polemount

Tax (factor): 1.0775 Primary Winding: 12,000 Volt Line-to-Line
 No Load Loss \$/watt: 3.75
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September 6, 2006

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