



**CITY OF LODI  
COUNCIL COMMUNICATION**

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**AGENDA TITLE:** Adopt Resolution Approving the Purchase of Polemount Transformers from HEES Enterprises, Inc. of Astoria, Oregon and Power Partners of Concord (\$43,809.12)

**MEETING DATE:** March 6, 2013

**PREPARED BY:** Electric Utility Director

**RECOMMENDED ACTION:** Adopt a resolution approving the purchase of polemount transformers from HEES Enterprises, Inc. of Astoria, Oregon and Power Partners of Concord in an amount not to exceed \$43,809.12.

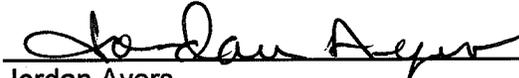
**BACKGROUND INFORMATION:** On January 16, 2013 the City Council authorized the advertisement of bids to procure polemount transformers to maintain inventory for replacement of damaged/old transformers in the distribution system.

On February 13, 2013, bids were opened with three suppliers submitting proposals, two of which were deemed responsive. Life-cycle costs (total purchase price plus cost of estimated power loss during the projected life of the transformer) were evaluated as shown on the attached summary. HEES Enterprises, Inc. of Astoria, Ore. and Power Partners of Concord, California submitted responsive bids with the lowest life-cycle cost as shown below:

10 each	37.5 kVA, 1-Phase, 120/240 V	HEES Enterprises, Inc.	\$17,616.60
10 each	50 kVA, 1-Phase, 240/120 V	HEES Enterprises, Inc.	\$21,375.40
6 each	100 kVA, 1-Phase, 480/277 V	HEES Enterprises, Inc.	\$27,574.62
3 each	75 kVA, 1-Phase, 277 V	Power Partners, Inc.	\$17,850.76
6 each	37.5 kVA, 3-Phase, 277/480 V	HEES Enterprises, Inc.	\$13,616.74

**FISCAL IMPACT:** Procurement cost is \$43,809.12. Life-cycle cost is \$98,034.12.

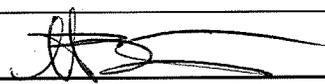
**FUNDING:** Included in FY2012/13 Account No. 160.1496

  
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 Jordan Ayers  
 Deputy City Manager/Internal Services Director

  
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 Elizabeth A. Kirkley  
 Electric Utility Director

**PREPARED BY:** Thomas Dean, Electric Materials Technician

EAK/TD/lst

**APPROVED:**   
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 Konradt Bartlam, City Manager

**POLE MOUNTED TRANSFORMER OFFER EVALUATION - February 14, 2013**

**Exhibit A**

**Transformer Offer Evaluation**

**Bid Offered** January 15, 2013

**Polemount**

Tax (factor): 1.08 **Primary Winding:** 12,000 Volt Line-to-Line  
 No Load Loss \$/watt: 3.75  
 Load Loss \$/watt: 1.25

**Bid Item 1: 37.5 kVA, 120/240 Volt, Single Phase Conventional Pole** Number of units: 10

Vendor	Unit	Extended Price \$	Price w/tax \$	No Load	Load	No Load Loss value	Load Loss value	Cost of Losses \$	Life Cycle Cost \$	Delivery (weeks)	Height (inches)	Weight (pounds)
				Loss (watts)	Loss (watts)							
HEES Enterprises, Inc. (ERMCO Transformers)	902.00	9,020.00	9,741.60	98	336	3,675.00	4,200.00	7,875.00	17,616.60	8-10	32.9	457
Power Partners c/o Pacific Utiliy Supply	913.00	9,130.00	9,860.40	76	469	2,850.00	5,862.50	8,712.50	18,572.90	4	36	498
Howard Industries Inc.	993.00	9,930.00	10,724.40	104	351	3,900.00	4,387.50	8,287.50	19,011.90	6-8	35.11	496

**Bid Item 2: 50 kVA, 120/240 Volt, Single Phase Conventional Pole** Number of units: 10

Vendor	Unit	Extended Price \$	Price w/tax \$	No Load	Load	No Load Loss value	Load Loss value	Cost of Losses \$	Life Cycle Cost \$	Delivery (weeks)	Height (inches)	Weight (pounds)
				Loss (watts)	Loss (watts)							
HEES Enterprises, Inc. (ERMCO Transformers)	1,088.00	10,880.00	11,750.40	110	440	4,125.00	5,500.00	9,625.00	21,375.40	8-10	34.9	583
Power Partners c/o Pacific Utiliy Supply	1,173.00	11,730.00	12,668.40	119	433	4,462.50	5,412.50	9,875.00	22,543.40	4	34	581
Howard Industries Inc.	1,419.00	14,190.00	15,325.20	126	445	4,725.00	5,562.50	10,287.50	25,612.70	6-8	35.2	572

**Bid Item 3: 100 kVA, 120/240 Volt, Single Phase Conventional Pole** Number of units: 6

Vendor	Unit	Extended Price \$	Price w/tax \$	No Load	Load	No Load Loss value	Load Loss value	Cost of Losses \$	Life Cycle Cost \$	Delivery (weeks)	Height (inches)	Weight (pounds)
				Loss (watts)	Loss (watts)							
HEES Enterprises, Inc. (ERMCO Transformers)	1,819.00	10,914.00	11,787.12	191	690	7,162.50	8,625.00	15,787.50	27,574.62	8-10	42.9	950
Power Partners c/o Pacific Utiliy Supply	2,307.00	13,842.00	14,949.36	162	888	6,075.00	11,100.00	17,175.00	32,124.36	6	50	1029
Howard Industries Inc.	2,283.00	13,698.00	14,793.84	197	723	7,387.50	9,037.50	16,425.00	31,218.84	8-10	44.84	1051

**Bid Item 4: 75 kVA, 277 Volt, Single Phase Conventional Pole** Number of units: 3

Vendor	Unit	Extended Price \$	Price w/tax \$	No Load	Load	No Load Loss value	Load Loss value	Cost of Losses \$	Life Cycle Cost \$	Delivery (weeks)	Height (inches)	Weight (pounds)
				Loss (watts)	Loss (watts)							
HEES Enterprises, Inc. (ERMCO Transformers)	1,636.00	4,908.00	5,300.64	143	604	5,362.50	7,550.00	12,912.50	18,213.14	8-10	42.9	885
Power Partners c/o Pacific Utiliy Supply	1,474.00	4,422.00	4,775.76	143	617	5,362.50	7,712.50	13,075.00	17,850.76	4	44	796
Howard Industries Inc.	2,137.00	6,411.00	6,923.88	166	597	6,225.00	7,462.50	13,687.50	20,611.38	8-10	44.78	854

**Bid Item 5: 37.5 kVA, 277/480 Volt, Single Phase Conventional Pole** Number of units: 6

Vendor	Unit	Extended Price \$	Price w/tax \$	No Load	Load	No Load Loss value	Load Loss value	Cost of Losses \$	Life Cycle Cost \$	Delivery (weeks)	Height (inches)	Weight (pounds)
				Loss (watts)	Loss (watts)							
HEES Enterprises, Inc. (ERMCO Transformers)	888.00	5,328.00	5,754.24	89	362	3,337.50	4,525.00	7,862.50	13,616.74	8-10	32.9	452
Power Partners c/o Pacific Utiliy Supply	932.00	5,592.00	6,039.36	82	408	3,075.00	5,100.00	8,175.00	14,214.36	4	38	521
Howard Industries Inc.	964.00	5,784.00	6,246.72	106	361	3,975.00	4,512.50	8,487.50	14,734.22	6-8	35.11	490

**Summary**

HEES Enterprises, Inc. (ERMCO Transformers)			39,033.36						80,183.36			
Power Partners c/o Pacific Utiliy Supply			4,775.76						17,850.76			
Howard Industries Inc.			0.00						0.00			
			43,809.12						98,034.12			

FY2012/13 Account No. 160.1496

Prepared by: Jules L. Marchesseault  
 Engineering & Operations Manager

RESOLUTION NO. 2013-25

A RESOLUTION OF THE LODI CITY COUNCIL  
AWARDING BIDS FOR THE PURCHASE OF POLEMOUNT  
TRANSFORMERS FROM HEES ENTERPRISES, INC., OF  
ASTORIA, OREGON, AND POWER PARTNERS, INC., OF  
CONCORD, CALIFORNIA

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 February 13, 2013, at 11:00 a.m., for the purchase of polemount transformers, described in the specifications therefore approved by the City Council on January 16, 2013; and

WHEREAS, said bids have been compared as to life-cycle costs, checked, and tabulated as shown on Exhibit A attached; and

WHEREAS, the bids meeting the City's specifications with the lowest estimated life-cycle costs are shown below:

		Life Cycle Costs	Bid Amount
10 each	37.5 kVA, 1-Phase, 120/240 V	\$17,616.60	\$ 9,741.60
10 each	50 kVA, 1-Phase, 240/120 V	\$21,375.40	\$ 11,750.40
6 each	100 kVA, 1-Phase, 480/277 V	\$27,574.62	\$ 11,787.12
3 each	75 kVA, 1-Phase, 277 V	\$17,850.76	\$ 4,775.76
6 each	37.5 kVA, 3-Phase, 277/480 V	\$13,616.74	\$ 5,754.24

NOW, THEREFORE, BE IT RESOLVED that the Lodi City Council does hereby award the bids for the purchase of polemount transformers, as shown above, in the amount of \$43,809.12.

Dated: March 6, 2013

I hereby certify that Resolution No. 2013-25 was passed and adopted by the City Council of the City of Lodi in a regular meeting held March 6, 2013, by the following vote:

AYES: COUNCIL MEMBERS – Hansen, Johnson, Katzakian, Mounce, and Mayor Nakanishi

NOES: COUNCIL MEMBERS – None

ABSENT: COUNCIL MEMBERS – None

ABSTAIN: COUNCIL MEMBERS – None

  
RANDI JOHL  
City Clerk

**POLE MOUNTED TRANSFORMER OFFER EVALUATION - February 14, 2013** **Exhibit A**

**Transformer Offer Evaluation** **Bid Offered** **January 15, 2013**

**Polemount** Tax (factor): 1.08 **Primary Winding:** 12,000 Volt Line-to-Line  
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Howard Industries Inc.	0.00	0.00										
	43,809.12	98,034.12										

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Prepared by: Jules L. Marchesseault  
 Engineering & Operations Manager