



CITY OF LODI

COUNCIL COMMUNICATION

AGENDA TITLE: Purchase of Padmount Transformers (\$148,979.46)

MEETING DATE: October 15, 1997

PREPARED BY: Electric Utility Director

RECOMMENDED ACTION: That the City Council adopt the attached resolution awarding the bid for the purchase of 10 padmount transformers to the bidders whose proposals and equipment met City of Lodi specifications, and whose transformers are expected to yield the lowest overall life-cycle costs,

| | | |
|--|-----------------|--------------------|
| GE Supply Co., Sacramento | 1 ea 225KVA 3Ø | \$ 6,612.62 |
| | 1 ea 300KVA 3Ø | \$ <u>7,015.60</u> |
| | | \$13,628.22 |
| Western States Electric, Portland, OR | 8 ea 1500KVA 3Ø | \$135,351.24 |

BACKGROUND INFORMATION: On September 3, 1997, the City Council approved specifications and authorized advertisement for bids for five three-phase padmount transformers.

On September 30, 1997, bids were opened and total 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. Proposals are also evaluated on the basis of compliance with equipment and bid specifications. Failure to comply with both may lead to disqualification of the bid. A summary of the bid evaluation is attached.

On October 1, 1997, it was learned that Pacific Coast Producers, 32 East Tokay Street, is in the process of rebuilding a major portion of their plant. Under current plans, this project would require relocation of the existing 4kV electrical system servicing the plant. However, several factors suggest the better option for both the City and PCP would be to replace the old 4kV system with a more reliable 12kV system: (1) The 4kV system, due to its age, would require significant maintenance and reconditioning to maintain reliability; (2) conversion to the 12kV system would relieve the City of the liability associated with the single 12-4kV transformer presently located at the plant and back-up unit in place at the Municipal Service Center, (3) service reliability to PCP would be greatly enhanced since the load would be distributed to five individual padmount transformers instead of one 12-4kV unit; and (4) having a 12kV system would significantly reduce the service restoration time in the event of a transformer failure, providing a further benefit to PCP.

In order to implement this system upgrade within the available time frame (completion required by March, 1998) the City must increase its award quantity on this bid by five 1500KVA padmount transformers, from three units to eight, at an incremental cost of \$84,594.53.

APPROVED: _____

H. Dixon Flynn -- City Manager



CITY OF LODI

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It is therefore recommended that the City Council authorize increasing the award for the 1500KVA transformers from three units to eight (award to Western States Electric), and to award the purchase of one each 225KVA and 300KVA units to GE Supply Company of Sacramento, as set forth in the "Recommended Action" of this Council Communication.

The one 225KVA, one 300KVA, and three original 1500KVA units will be utilized to serve new commercial and industrial loads at Kettleman Lane and Beckman Road, Kettleman Lane and Sylvan Way, and on Neuharth Drive, respectively.

FUNDING: Electric Utility Department 1997-98 Fiscal Year Plan,
Line Extensions, Page E-22

Alan N. Vallow, Electric Utility Director

Funding Approved by

Vicky McAthie, Finance Director

Prepared by Joel Harris, Purchasing Officer

cc: Director, Engineering and Operations

APPROVED:

H. Dixon Flynn -- City Manager

TRANSFORMER BID EVALUATION

Bid Opening: September 30, 1997

October 2, 1997

Tax (factor) 1.0775
 No load loss \$/watt 6.00
 Load loss \$/watt 2.00

225 KVA, 208Y/120 Volt, Padmount Number of units: 1

| 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 | Weight |
|----------------------|------------|----------------|-----------------|----------------------|-------------------|--------------------|-----------------|-----------------|------------------|----------------|--------|--------|
| GE Supply | 6,137.00 | 6,137.00 | 6,612.62 | 188 | 1085 | 1,128.00 | 2,170.00 | 3,298.00 | 9,910.62 | 11 | 61 | |
| Howard Industries | 5,053.00 | 5,053.00 | 5,444.61 | 348 | 1518 | 2,088.00 | 3,036.00 | 5,124.00 | 10,568.61 | 21-23 | 51 | |
| Western States Elec. | 5,468.00 | 5,468.00 | 5,891.77 | 325 | 1456 | 1,950.00 | 2,912.00 | 4,862.00 | 10,753.77 | 17 | 61.5 | |
| Wesco | 4,846.00 | 4,846.00 | 5,221.57 | 376 | 1978 | 2,256.00 | 3,956.00 | 6,212.00 | 11,433.57 | 12 | 42.5 | |
| Cooper | 7,716.00 | 7,716.00 | 8,313.99 | 382 | 1648 | 2,292.00 | 3,296.00 | 5,588.00 | 13,901.99 | 10-12 | 59 | |
| Geo. E. Honn | No Bid | | | | | | | | | | | |
| Kuhlman | No Bid | | | | | | | | | | | |

300 KVA, 208Y/120 Volt, Padmount Number of units: 1

| 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 | Weight |
|----------------------|------------|----------------|-----------------|----------------------|-------------------|--------------------|-----------------|-----------------|------------------|----------------|--------|--------|
| GE Supply | 6,511.00 | 6,511.00 | 7,015.60 | 188 | 1892 | 1,128.00 | 3,784.00 | 4,912.00 | 11,927.60 | 11 | 61 | |
| Western States Elec. | 5,985.00 | 5,985.00 | 6,448.84 | 403 | 1909 | 2,418.00 | 3,818.00 | 6,236.00 | 12,684.84 | 17 | 61.5 | |
| Howard Industries | 6,003.00 | 6,003.00 | 6,468.23 | 402 | 2058 | 2,412.00 | 4,116.00 | 6,528.00 | 12,996.23 | 21-23 | 57 | |
| Cooper | 5,303.00 | 5,303.00 | 5,713.98 | 532 | 2065 | 3,192.00 | 4,130.00 | 7,322.00 | 13,035.98 | 10-12 | 59 | |
| Wesco | 5,496.00 | 5,496.00 | 5,921.94 | 459 | 2435 | 2,754.00 | 4,870.00 | 7,624.00 | 13,545.94 | 12 | 42.5 | |
| Geo. E. Honn | No Bid | | | | | | | | | | | |
| Kuhlman | No Bid | | | | | | | | | | | |

1500 KVA, 480Y/277 Volt, Padmount Number of units: 3

| 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 | Weight |
|-----------------------------|------------|----------------|------------------|----------------------|-------------------|--------------------|-----------------|------------------|-------------------|----------------|--------|--------|
| Western States Elec. | 15,702.00 | 47,106.00 | 50,756.72 | 1316 | 7118 | 23,688.00 | 42,708.00 | 66,396.00 | 117,152.72 | 17 | 72 | |
| GE Supply | 17,615.00 | 52,845.00 | 56,940.49 | 554 | 8623 | 9,972.00 | 51,738.00 | 61,710.00 | 118,650.49 | 11 | 70 | |
| Wesco | 14,137.00 | 42,411.00 | 45,697.85 | 1694 | 7933 | 30,492.00 | 47,598.00 | 78,090.00 | 123,787.85 | 12 | 58.5 | |
| Howard Industries | 16,740.00 | 50,220.00 | 54,112.05 | 1437 | 7782 | 25,866.00 | 46,692.00 | 72,558.00 | 126,670.05 | 21-23 | 81 | |
| Cooper | 15,518.00 | 46,554.00 | 50,161.94 | 1621 | 8544 | 29,178.00 | 51,264.00 | 80,442.00 | 130,603.94 | 12 | 81 | |
| Geo. E. Honn | No Bid | | | | | | | | | | | |
| Kuhlman | No Bid | | | | | | | | | | | |

RESOLUTION NO. 97-168

A RESOLUTION OF THE LODI CITY COUNCIL
AWARDING THE BID FOR THE PURCHASE OF TEN
PADMOUNT TRANSFORMERS

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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 30, 1997 at 11:00 a.m. for the purchase of ten padmount transformers for the Electric Utility Department, described in the specifications therefore approved by the City Council on September 3, 1997; 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 hereto; and

WHEREAS, on October 1, 1997 it was learned that Pacific Coast Producers would be rebuilding a major portion of their plant, and because of several factors which suggest the better option for both the City and PCP would be to replace the old 4kV system with a more reliable 12kV system; and

WHEREAS, in order to implement this system upgrade within the available time frame (completion by March, 1998), the City must increase its award quantity on this bid by five 1500KVA padmount transformers, from three to eight, at an incremental cost of \$84,594.53; and

WHEREAS, the City Manager recommends that award of the bid for the purchase of ten padmount transformers for the Electric Utility Department, be made to the bidders whose proposals and equipment met City of Lodi specifications, and whose transformers yielded the lowest overall life-cycle costs in each rating category, to wit:

| | | | |
|--------------------------------------|-------|------------|---------------------|
| GE Supply Company, Sacramento | 1 ea. | 225KVA 3Ø | \$ 6,612.62 |
| | 1 ea. | 300KVA 3Ø | <u>\$ 7,015.60</u> |
| | | | \$13,628.22 |
| Western States Electric, Portland,OR | 8 ea. | 1500KVA 3Ø | \$135,351.24 |

NOW, THEREFORE, BE IT RESOLVED by the Lodi City Council that the award of the purchase of ten padmount transformers for the Electric Utility Department, be and the same is hereby awarded to the above-described responsible bidders, in the total amount of \$148,979.46.

Dated: October 15, 1997
=====

I hereby certify that Resolution No. 97-168 was passed and adopted by the City Council of the City of Lodi in a regular meeting held October 15, 1997, by the following vote:

AYES: COUNCIL MEMBERS – Land, Mann, Sieglock, Warner and Pennino (Mayor)

NOES: COUNCIL MEMBERS - None

ABSENT: COUNCIL MEMBERS - None

ABSTAIN: COUNCIL MEMBERS - None


ALICE M. REIMCHE
City Clerk

TRANSFORMER BID EVALUATION

Bid Opening: September 30, 1997

October 2, 1997

Tax (factor) 1.0775
 No load loss \$/watt 6.00
 Load loss \$/watt 2.00

225 KVA, 208Y/120 Volt, Padmount Number of units: 1

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|----------------------|------------|----------------|-----------------|----------------------|-------------------|--------------------|-----------------|-----------------|------------------|----------------|--------|--------|
| GE Supply | 6,137.00 | 6,137.00 | 6,812.62 | 188 | 1085 | 1,128.00 | 2,170.00 | 3,298.00 | 9,910.62 | 11 | 61 | |
| Howard Industries | 5,053.00 | 5,053.00 | 5,444.81 | 348 | 1518 | 2,088.00 | 3,038.00 | 5,124.00 | 10,568.61 | 21-23 | 51 | |
| Western States Elec. | 5,468.00 | 5,468.00 | 5,891.77 | 325 | 1456 | 1,950.00 | 2,912.00 | 4,862.00 | 10,753.77 | 17 | 61.5 | |
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300 KVA, 208Y/120 Volt, Padmount Number of units: 1

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| Geo. E. Honn | No Bid | | | | | | | | | | | |
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1500 KVA, 480Y/277 Volt, Padmount Number of units: 3

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|-----------------------------|------------|----------------|------------------|----------------------|-------------------|--------------------|-----------------|------------------|-------------------|----------------|--------|--------|
| Western States Elec. | 15,702.00 | 47,106.00 | 50,756.72 | 1316 | 7118 | 23,688.00 | 42,708.00 | 66,396.00 | 117,152.72 | 17 | 72 | |
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| Howard Industries | 16,740.00 | 50,220.00 | 54,112.05 | 1437 | 7782 | 25,868.00 | 46,692.00 | 72,558.00 | 126,670.05 | 21-23 | 81 | |
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| Geo. E. Honn | No Bid | | | | | | | | | | | |
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