



CITY OF LODI

COUNCIL COMMUNICATION

AGENDA TITLE: Contract Award for Well 25 Pump and Motor, 1014 Holly Drive (\$23,775)
MEETING DATE: December 7, 1994
PREPARED BY: Public Works Director

RECOMMENDED ACTION: That the City Council adopt the attached resolution awarding the contract for the above project to Kirby's Pump and Mechanical in the amount of \$23,775.

BACKGROUND INFORMATION: This project consists of furnishing and installing a 125-horsepower electric motor and deep-well turbine water pump for the new water well at Well 25, located at the Washington School site off Holly Drive.

Occasionally, one manufacturer will have a pump and motor combination more efficient than their competitors'. If the bid price of the equipment proposed is close, the electrical efficiency of the equipment could show one bidder's equipment more cost effective than another. The power cost shown represents approximately one year of nonstop running time. A copy of the cost analysis is attached.

Plans and specifications for this project were approved on November 2, 1994. The City received the following eleven bids for this project:

Bidder	Location	Bid	Power Cost	Total Cost
Kirby's Pump and Mechanical	Rancho Cordova	\$23,775	\$66,363	\$ 90,118
Howk Systems	Modesto	\$25,000	\$66,363	\$ 91,363
*Moorman's Water Systems	Stockton	\$27,610	\$66,363	\$ 93,973
Anderson Pump Co.	Chowchilla	\$27,984	\$66,363	\$ 94,347
Zim Industries	Fresno	\$28,600	\$66,771	\$ 95,371
*Noack Pump	Stockton	\$29,973	\$68,020	\$ 97,993
*Moorman's Water Systems	Stockton	\$30,605	\$69,510	\$100,115
*Noack Pump	Stockton	\$30,849	\$67,972	\$ 98,821
*Noack Pump	Stockton	\$35,100	\$65,974	\$101,074
Clark Well, Inc.	Stockton	\$36,825	\$65,974	\$102,799
*Noack Pump	Stockton	\$37,575	\$68,009	\$105,584

*Bidders that submitted several bids using competing pump manufacturers' equipment.

FUNDING: Originally Budgeted: 1993/94
 Budgeted Fund: Water Capital Outlay
 Current Appropriation: \$258,858
 Total Project Estimate: \$ 40,500 (this phase)
 Bid Opening Date: November 23, 1994

Jack L. Ronsko
 Public Works Director

Prepared by Mark J. Lindseth, Associate Civil Engineer

Attachments

cc: Purchasing Officer
 Water/Wastewater Superintendent
 City Attorney

APPROVED

THOMAS A. PETERSON
 City Manager



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Well 25 Pump & Motor Cost Analysis

Power Cost: \$ 0.09500 per kWh

Analysis Floor: 750 Million Gallons (MG)

Pump & Motor

Bidder Rank based on first cost	Pump Mfr./Model No. days delivery	Flow (gpm)	T. Fric. Losses	T. Lab Head	Boat Eff.	Lab H/P	H/P Losses Shaft	Beering	Brake H/P	Field Eff.	Motor Eff.	Overall Eff.	Input Kw	Pumping Floors	Power Cost	Total Cost
Kirby's Pump & Mech.	Floway 14FKH 70	240	4.24	244.24	0.845	121.89	1.04	0.45	123.38	0.820	0.945	0.775	97.40	2495		
		230	4.62	234.62	0.850	121.98	1.04	0.44	123.45	0.823	0.945	0.778	97.45	2381	\$ 66,363	\$ 96,118
Hoek System	Floway 14FKH 100	240	4.24	244.24	0.845	121.89	1.04	0.45	123.38	0.820	0.945	0.775	97.40	2495		
		230	4.62	234.62	0.850	121.98	1.04	0.44	123.45	0.823	0.945	0.776	97.45	2381	\$ 66,363	\$ 91,363
Moorman's Water Systems	Floway 14FKH 70	240	4.24	244.24	0.845	121.89	1.04	0.45	123.38	0.820	0.945	0.775	97.40	2495		
		230	4.62	234.62	0.850	121.98	1.04	0.44	123.45	0.823	0.945	0.778	97.45	2381	\$ 66,363	\$ 91,363
Anderson Pump Co.	Floway 14FKH 90	240	4.24	244.24	0.845	121.89	1.04	0.45	123.38	0.820	0.945	0.775	97.40	2495		
		230	4.62	234.62	0.850	121.98	1.04	0.44	123.45	0.823	0.945	0.778	97.45	2381	\$ 66,363	\$ 91,363
Zim Industries	J-Line 14 W/C flow 84	240	4.24	244.24	0.845	121.89	1.04	0.45	123.38	0.820	0.945	0.775	97.40	2495		
		230	4.62	234.62	0.850	121.98	1.04	0.44	123.45	0.823	0.945	0.778	97.45	2381	\$ 66,363	\$ 91,363
Noack Pump	Layne & Powell 14RH-6 130	240	2.80	242.80	0.825	123.37	1.05	0.70	125.12	0.804	0.950	0.764	98.25	2310		
		230	3.00	233.00	0.835	122.61	1.05	0.62	124.27	0.813	0.950	0.773	97.59	2395	\$ 66,771	\$ 95,371
Noack Pump	Fairbanks Morse 15 H 7000 Series 95	240	4.10	244.10	0.815	115.72	1.05	0.40	117.17	0.791	0.940	0.744	92.99	2723		
		230	5.00	235.00	0.840	120.10	1.05	0.40	121.55	0.812	0.940	0.764	96.46	2451	\$ 68,020	\$ 97,993
Noack Pump	Goulds 14 HMC 148	240	3.70	243.22	0.815	119.82	1.05	0.00	120.87	0.797	0.920	0.733	98.01	2621		
		230	3.64	233.64	0.820	122.32	1.05	0.00	123.37	0.800	0.920	0.736	100.03	2451	\$ 69,310	\$ 106,115
Noack Pump	Peerless 14ND-6 200	240	4.80	224.20	0.840	123.34	1.05	0.00	124.39	0.817	0.920	0.752	100.87	2277		
		230	4.76	234.76	0.850	118.63	1.27	0.59	120.49	0.805	0.943	0.759	95.32	2604	\$ 67,972	\$ 96,821
Clark Well, Inc.	Peerless 14ND-6 70	240	3.67	243.67	0.845	109.23	0.94	0.20	110.37	0.824	0.945	0.778	87.13	2778		
		230	5.17	225.17	0.855	119.71	0.94	0.20	120.85	0.827	0.945	0.782	95.40	2315	\$ 65,974	\$ 101,874
Noack Pump	Byron Jackson 15 MQH-6 240	240	3.50	243.50	0.829	125.02	1.33	0.40	123.75	0.806	0.945	0.761	97.69	2533		
		230	4.00	234.00	0.827	121.47	1.33	0.38	123.18	0.802	0.945	0.757	97.24	2451	\$ 64,009	\$ 106,504
		1750	4.10	224.10	0.820	120.77	1.33	0.33	122.43	0.794	0.945	0.750	96.65	2381		

RESOLUTION NO. 94-143

A RESOLUTION OF THE LODI CITY COUNCIL
AWARDING THE BID FOR WELL 25 PUMP & MOTOR,
1014 HOLLY DRIVE

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 November 23, 1994 at 11:00 a.m. for the bid for Well 25 Pump and Motor, 1014 Holly Drive, described in the specifications therefor approved by the City Council on November 2, 1994; and

WHEREAS, said bids have been compared, checked, and tabulated and a report thereof filed with the City Manager as follows:

Bidder	Location	Bid	Power Cost	Total Cost
Kirby's Pump and Mechanical	Rancho Cordova	\$23,775	\$66,363	\$ 90,118
Howk Systems	Modesto	\$25,000	\$66,363	\$ 91,363
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*Noack Pump	Stockton	\$37,575	\$68,009	\$105,584

*Bidders that submitted several bids using competing pump manufacturers' equipment.

WHEREAS, the City Manager recommends that award of the bid for Well 25 Pump and Motor, 1014 Holly Drive, be made to the lowest bidder, Kirby's Pump and Mechanical of Rancho Cordova, California; and

NOW, THEREFORE, BE IT RESOLVED by the Lodi City Council that award of bid for Well 25 Pump and Motor, 1014 Holly Drive, be and the same is hereby awarded to Kirby's Pump and Mechanical of Rancho Cordova, California, the lowest bidder, in the amount of \$23,775.00.

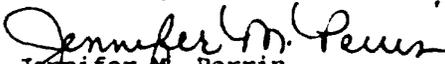
Dated: December 7, 1994

I hereby certify that Resolution No. 94-143 was passed and adopted by the City Council of the City of Lodi in a regular meeting held December 7, 1994 by the following vote:

Ayes: Council Members - Davenport, Mann, Pennino, Snider
and Sieglock (Mayor)

Noes: Council Members - None

Absent: Council Members - None


Jennifer M. Perrin
City Clerk