

MEMBERS PRESENT: Dale Fox, Dennis Graves, Mark Criger, Carolyn Meerian, Bruce Anderson, Mayor Richard Hamit.

OTHERS PRESENT: Jack Kramer, Ron Dean, Bob Sisson, Lila Hamit, Cheryl Brown

The meeting was called to order at 7:00 pm by Mayor Hamit for the purpose of discussing the water supply information researched by Kramer Engineering, and also to discuss the possible purchase of a Highway Patrol program car. The clerk called the roll; there was a quorum.

Jack Kramer presented the council with his proposal reflecting several options regarding obtaining additional water for the city. After reviewing this proposal (which is available for inspection by the public at City Hall), Dale Fox made a motion, seconded by Bruce Anderson, to ask for an additional 80 gallons per minutes from Rural Water District #5 with a 15-year payment plan with the payments to start in November, 1994. Motion carried.

Kramer told the council that he would notify the RWD board, and also do more checking into ways to provide the revenue for this proposal.

Chief Ron Dean told the council that the Highway Patrol has started a new program which enables cities to buy vehicles that the HWP is replacing. The one he has in mind is a 1992 Ford Taurus with 48,000 miles. Dean had tried to get prices on a new patrolcar from some dealers, but none would give a quote until the 1994 models are out. After considerable discussion, Dennis Graves made a motion, seconded by Carolyn Meerian, to purchase the 1992 Ford Taurus for \$8800.00. Motion carried.

Dennis Graves made a motion to adjourn the meeting at 8:40 p.m. Carolyn Meerian seconded the motion; motion carried.

Respectfully submitted,

Cheryl L. Brown, Clerk

September 8, 1993

APPROVED \_\_\_\_\_



# KRAMER ENGINEERING, P. A.

CONSULTING ENGINEERS • SURVEYORS

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TOPEKA, KANSAS 66611

AREA CODE 913 234-6600

## Water Supply Information

City of Overbrook

July 21, 1993

## Special Meeting On Water

### A. Possible Debt Payment (P & I) for Additional Water supply from RWD No. 5:

<u>Additional Supply</u>	<u>10 years</u>		<u>15 years</u>		<u>20 years</u>	
	<u>Yearly</u>	<u>Mo/User</u>	<u>Yearly</u>	<u>Mo/User</u>	<u>Yearly</u>	<u>Mo/User</u>
40 gpm, \$200,000	27,160	5.65	20,580	4.29	17,420	3.63
80 gpm, \$280,000	38,024	7.92	28,812	6.00	24,388	5.08

(Based on 400 Water Meter Services)

In addition to above cost, City would have to pay for new booster pump improvements \$8,000 plus any other well improvements such as control system, well treatment, additional wells, etc.

Present RWD payment is \$685/month, \$8,340/year, plus \$1.95 per 1,000 gallons of water used.

### B. Capacity of existing wells is shown as follows:

	<u>Original</u> <u>Rate</u>	<u>Present</u> <u>Rate</u>
Well No. 1	36 gpm	20 gpm
Well No. 2	30 gpm	18 gpm
Well No. 3	40 gpm	18 gpm
Well No. 4	25 gpm	25 gpm
Well No. 5	<u>18 gpm</u>	<u>12 gpm</u>
TOTAL	149 gpm	93 gpm

Cost of water from wells including maintenance, utilities, salaries, etc and no debt payment is estimated to be \$0.92 per 1,000 gallons.

C. Past Water Use based on last 5 years:

Average Water Supply	-	34.0 million gallons year
Average Water Sales	-	28.9 million gallons year

D. Comparison of Cost of Water:

All water from City wells:

34 million gallons @ \$0.92/1,000 gal. = \$31,280

Cost per 1,000 gallons sold = \$1.08

City wells furnish 80% of water and 20% from RWD with 120 gpm supply:

27.2 million gallons @ \$0.92/1,000 gal. = \$25,024

6.8 million gallons @ \$1.95/1,000 gal. = 13,260

RWD Debt Payment 20 years = 24,388

Subtotal \$62,672

Cost per 1,000 gallons sold - \$2.16

E. General Comments:

1. Additional RWD supply would provide insurance that Overbrook would have water for future needs.
2. Cost of water form RWD could increase over normal inflation rate if additional treatment improvements are needed.
3. If well treatment with chlorine is successful, capacity of City well supply should be increased. Some pump improvements may be needed.
4. City could drill additional wells as needed.
5. Water use and population served could decrease. Higher cost water will reduce water use, which, in turn, reduces water revenues.
6. Existing water bonds pay off in 1994, this will reduce the impact of any new water improvements debt payment.
7. Term of contract for present purchase is 40 years and can be extended upon agreement of the City and District to terms of extension. What happens in 40 years if agreement is not extended?

**COST ALLOCATION TO OVERBROOK**

<u>Project Section</u>	<u>Total Flow (gpm)</u>	<u>Total Cost</u>	<u>Overbrook Allocation</u>		
			<u>Flow</u>	<u>%</u>	<u>Cost</u>
1	500	\$ 329,084.00	120	24%	\$ 78,980.00
2	400	58,418.00	120	30%	17,525.00
3	300	44,089.00	120	40%	17,635.00
4	120	11,820.00	120	100%	11,820.00
Contribution Made to RWD #3, Douglas Co.	500	1,249,553.65	120	24%	<u>299,893.00</u>

TOTAL COST ALLOCATED TO OVERBROOK	\$425,853.00
LESS PREVIOUS COST ALLOCATION	- 149,683.00
ADDITIONAL ALLOCATION FOR INCREASED CONTRACT QUANTITY	<u>276,170.00</u>

Improvements Required

Change out equipment in Meter Vault	<u>\$ 3,500.00</u>
TOTAL ESTIMATED COST TO OVERBROOK	\$279,670.00
	USE <u>\$280,000.00</u>