



Board of Water Works of Pueblo, Colorado

OVERVIEW

WATER RESOURCES AND LEGISLATION

The primary responsibilities of the Water Resources Department are to make full use of the Board's water rights, to keep records of storage and diversions, to maintain storage facilities and west slope diversion structures, and last but not least, to protect the Board's water rights against injury from other water users and adverse legislation. The work involves the monitoring of the flow in the Arkansas River each day; the reservoir storage at Turquoise, Twin Lakes, Clear Creek, and Pueblo Reservoirs; and exchange opportunities into and above Pueblo Reservoir. We also insure the canals that bring water from the west slope are in good condition, that Clear Creek Reservoir is fully operable and ready to store a full reservoir at all times, and that all parshal flume measuring gauges are functioning properly.

The operation and maintenance portion of this year's budget has several items that have changed significantly from last year which should be pointed out.

- ◆ *Outside services* has increased significantly due to a \$60,000 contribution to the Rocky Mountain Fen Research Project study. This money will be contributed only if enough participants join to make the project financially viable.
- ◆ The increase in the *consulting services* line item is due to an engineering services contract with Black & Veatch Engineering. The contract will be for the design of new hydraulic lines running down the face of the dam at Clear Creek Reservoir and improvement to the outlet gates.
- ◆ The *water storage and transportation account* increased due to a couple of charges that were not included in last year's budgeted amount. There is a charge when project water is carried over in storage at Pueblo Reservoir, and there is a surcharge on non-project water that is stored in our long-term "if and when" account. Both of these charges were included in this year's budgeted amount.
- ◆ As I am sure you recall, the plan is to drain Clear Creek Reservoir in 2007. While it is empty, we want to clean and patch the outlet conduit. The *Clear Creek Reservoir account* reflects the additional cost of this work.

The capital improvements portion of the Water Resources budget includes two major changes this year. While Clear Creek Reservoir is drained, the hydraulic lines running down the face of the dam will be replaced. The existing pipes, which were installed in the early 70s, have begun to leak. Improvements will also be made to the outlet gates themselves. The seals on the gates will be improved, and position indicators will be added. There is also some welding that needs to be done in the outlet gate chamber. Cavitation has caused erosion on some of the bolts holding the steel liner in place. These bolts will be resurfaced, also. Of note is the significant reduction in the *computer account*. This was due to moving the cost of upgrading the Water Resources ARKMOD model to the *water development account*.

The 2006 budget allowed for an additional water resources specialist position in the department. It was not filled because our water resources modeling study was not completed. The position will be carried over into 2007, until we have a better idea of future water resource projections.

Roger L. "Bud" O'Hara

BOARD OF WATER WORKS OF PUEBLO, COLORADO
DETAIL OF EXPENDITURES

PERSONNEL SERVICES

WATER RESOURCES

	<u>2005</u> <u>ACTUAL</u>	<u>2006</u> <u>BUDGET</u>	<u>2006</u> <u>ESTIMATED</u>	<u>2007</u> <u>BUDGET</u>
SALARIES & WAGES				
Division manager	\$ 79,079	\$ 91,815	\$ 89,495	\$ 103,722
Supervision	61,004	69,930	63,000	76,199
Specialist	<u>100,754</u>	<u>155,879</u>	<u>102,000</u>	<u>173,741</u>
 Total salaries and wages	 <u>240,837</u>	 <u>317,624</u>	 <u>254,495</u>	 <u>353,662</u>
BENEFITS				
Longevity	-	2,880	2,560	3,369
Employee assistance	75	74	75	77
Social security	21,388	24,763	22,313	27,118
Pension	7,724	9,528	7,960	10,610
Health insurance	29,352	39,632	30,592	33,836
Dental insurance	2,782	3,833	2,927	3,236
Disability insurance	1,885	2,001	1,941	2,199
Life insurance	3,385	4,164	3,483	4,630
Sick leave	18,899	19,803	19,800	21,552
Vacation leave	<u>20,456</u>	<u>22,958</u>	<u>23,000</u>	<u>25,851</u>
 Total benefits	 <u>105,946</u>	 <u>129,636</u>	 <u>114,651</u>	 <u>132,478</u>
 Total personnel services	 <u>\$ 346,783</u>	 <u>\$ 447,260</u>	 <u>\$ 369,146</u>	 <u>\$ 486,140</u>

BOARD OF WATER WORKS OF PUEBLO, COLORADO
DETAIL OF EXPENDITURES

OPERATION AND MAINTENANCE

WATER RESOURCES

	<u>2005</u> <u>ACTUAL</u>	<u>2006</u> <u>BUDGET</u>	<u>2006</u> <u>ESTIMATED</u>	<u>2007</u> <u>BUDGET</u>
OPERATION AND MAINTENANCE				
Outside services	\$ 67,865	\$ 82,900	\$ 65,000	\$ 121,000
Consulting services	89,550	130,650	75,000	179,000
Comanche return flow	105	200	200	1,000
Homestake Aurora	7,500	7,500	7,500	7,500
Twin Lakes water rights	206,591	229,800	229,543	229,800
Busk Ivanhoe water rights	200,000	250,000	250,000	250,000
Water storage and transportation	156,752	164,900	185,000	222,200
Short-term water purchases	41,193	63,000	42,500	63,000
Utilities	10,395	13,250	14,271	16,000
Maintenance - equipment	1,266	4,000	1,000	1,500
Maintenance - building	2,000	2,000	-	-
Maintenance - office equipment	2,275	1,750	2,800	3,000
Tool replacement	1,204	1,700	3,092	2,200
Clear Creek reservoir	7,949	33,500	8,000	58,700
Wurtz ditch	922	1,500	1,484	1,500
Wurtz expansion	908	1,500	1,316	1,500
Ewing ditch	932	1,500	1,423	1,500
Columbine ditch	1,391	2,500	1,420	1,500
Ranch property maintenance	2,616	3,500	1,000	3,500
Dwelling - Leadville	1,017	2,000	1,000	2,000
Dwelling - Clear Creek	1,511	2,000	2,707	2,000
Snowplowing operations	27,289	30,000	30,000	33,000
Transmountain maintenance	35,008	50,000	38,000	50,000
In-service training	30,330	39,650	38,965	39,300
Gasoline and oil	4,410	5,000	8,412	9,000
Office supplies	4,525	4,900	3,264	6,200
Subscriptions and memberships	4,693	10,900	10,500	10,200
	<u>4,693</u>	<u>10,900</u>	<u>10,500</u>	<u>10,200</u>
 Total operation and maintenance	 <u>\$ 910,197</u>	 <u>\$ 1,140,100</u>	 <u>\$ 1,023,397</u>	 <u>\$ 1,316,100</u>

BOARD OF WATER WORKS OF PUEBLO, COLORADO
DETAIL OF EXPENDITURES

CAPITAL OUTLAY

WATER RESOURCES

	<u>2005</u> <u>ACTUAL</u>	<u>2006</u> <u>BUDGET</u>	<u>2006</u> <u>ESTIMATED</u>	<u>2007</u> <u>BUDGET</u>
CAPITAL OUTLAY				
Improvements and replacements	\$ 7,595	\$ 16,600	\$ 16,000	\$ 6,600
Trans Mountain ditch	-	3,000	-	-
Computer equipment	4,444	152,600	2,081	2,000
Communication equipment	2,372	-	-	-
Heavy equipment	-	2,000	-	2,500
Expansion	<u>81,250</u>	<u>7,000</u>	<u>-</u>	<u>142,000</u>
 Total capital outlay	 <u>\$ 95,661</u>	 <u>\$ 181,200</u>	 <u>\$ 18,081</u>	 <u>\$ 153,100</u>