



Board of Water Works of Pueblo, Colorado

OVERVIEW

TRANSMISSION, DISTRIBUTION AND ENGINEERING

The Transmission, Distribution and Engineering Division is responsible for all the field related customer services for the Board. The Dispatching Department processes all the field service related calls. The Construction/Maintenance Departments provides direct customer contact on water needs at the customer's point of use as well as installation and repair of mains, taps, meters, valves and fire hydrants. The Meter Services Department is the tie between the field and administration since it performs all the meter reading and testing functions. The Engineering Department maintains the Board's water system records and designs system improvements and expansion projects for construction by Board crews or contractors. The Engineering Department monitors and maintains the Board's cathodic protection system for all the large diameter steel mains and oversees water main construction by contractors. The Fleet Maintenance and Warehouse Departments provide support services to keep our field crews supplied and our fleet operating.

The beta test for the automatic meter reading system will end in November 2006 and we anticipate bringing a recommendation for award of a contract to the Board in early 2007. We have budgeted \$1,500,000 for the first phase of the automatic meter reading conversion in 2007. We anticipate converting all large meters to automatic reading but the number of smaller meters to be converted will depend on the unit cost of system we select, i.e. drive-by or fixed base. We hope to convert all meters in growth areas, including the airport, to automatic reading. Starting in 2008, we have included \$500,000 per year in our capital projects projection to continue converting the remaining meters to automatic reading. We have advised the vendors that are participating in the beta test that we plan to spend approximately \$2,500,000 beginning in 2007 and ending in 2009. At that time we will reevaluate whether the automatic meter reading conversion will continue after 2009 or whether we will manually read the remaining existing meters. New meters will be installed with automatic meter reading capability. We have included new meter reading units in the budget to allow the meter readers to automatically read individual meters with the hand held units. We will not know until at least 2009 whether we will be able to reduce the workforce as a result of implementing the automatic meter reading system. Reductions would be accomplished through attrition, including transfers to other departments.

We have only a limited amount of main renewal work scheduled for 2007. This is a result of moving larger projects to future years to minimize the impact on rates. The 2007 budget does include the third loop to the Airport Industrial Park (\$360,000). As has occurred in previous years we may have to adjust our main renewal projects as a result of unexpected main breaks or to avoid conflicts with City of Pueblo sanitary sewer and storm sewer projects. Major projects have again been moved to different years but they are still included in the ten year projection.

The Board's ongoing program for valve and fire hydrant maintenance will continue in 2007. This includes exercising each of the more than 14,600 valves in our system at least once per year along with inspection of the valve slip top, recording its status relative to the surrounding street surfacing and repairing any deficiencies. We continue to work toward our goal to perform a routine maintenance check on each of the more than 3,200 public fire hydrants at least once per year.

Terry R. Book

BOARD OF WATER WORKS OF PUEBLO, COLORADO
DETAIL OF EXPENDITURES

PERSONNEL SERVICES

TRANSMISSION, DISTRIBUTION AND ENGINEERING

	<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	\$ 79,568	\$ 91,815	\$ 82,000	\$ 103,722
Manager	149,372	166,546	161,554	178,444
Supervision	247,055	278,019	253,335	308,910
Specialist	37,704	42,467	41,247	44,078
Skills and trades	2,039,735	2,269,440	2,060,000	2,329,611
Part-time	18,733	17,992	18,431	25,612
Temporary	40,634	73,360	47,571	112,488
Overtime	<u>116,259</u>	<u>122,000</u>	<u>119,420</u>	<u>132,000</u>
Total salaries and wages	<u>2,729,060</u>	<u>3,061,639</u>	<u>2,783,558</u>	<u>3,234,865</u>
BENEFITS				
Longevity	-	37,200	31,800	36,339
Employee assistance	1,120	1,115	1,114	1,159
Social security	237,785	226,969	241,928	238,180
Pension	80,585	85,446	80,851	89,169
Health insurance	367,712	384,107	369,573	376,061
Dental insurance	35,873	37,844	37,237	37,390
Disability insurance	19,743	20,604	19,822	21,478
Life insurance	35,727	37,560	35,733	39,129
Sick leave	190,929	177,075	177,100	183,066
Vacation leave	<u>203,389</u>	<u>205,844</u>	<u>205,900</u>	<u>213,937</u>
Total benefits	<u>1,172,863</u>	<u>1,213,764</u>	<u>1,201,058</u>	<u>1,235,908</u>
Total personnel services	<u>\$ 3,901,923</u>	<u>\$ 4,275,403</u>	<u>\$ 3,984,616</u>	<u>\$ 4,470,773</u>

BOARD OF WATER WORKS OF PUEBLO, COLORADO
DETAIL OF EXPENDITURES

OPERATION AND MAINTENANCE

TRANSMISSION, DISTRIBUTION AND ENGINEERING

	2005 <u>ACTUAL</u>	2006 <u>BUDGET</u>	2006 <u>ESTIMATED</u>	2007 <u>BUDGET</u>
OPERATION AND MAINTENANCE				
Outside services	\$ 12,375	\$ 16,150	\$ 25,331	\$ 25,250
Engineering consulting	1,405	6,000	11,630	6,000
Utilities	68,921	74,400	77,426	80,450
Auto and truck	133,078	132,200	122,050	120,900
Repair and maintenance - equipment	4,888	5,200	11,655	10,200
Maintenance - building	52,125	52,600	60,000	69,800
Maintenance - office equipment	10,935	14,500	8,791	13,700
Maintenance - mains	76,015	90,000	152,380	120,000
Maintenance - meters	14,051	9,200	20,236	20,200
Maintenance - hydrants	12,043	7,000	7,410	7,000
Maintenance - valves	9,852	9,000	6,000	6,000
Maintenance - cathodic protection	186	500	175	500
Service lines	4,772	5,000	7,500	7,000
Tool replacement	19,487	16,750	22,739	16,600
Barricades	400	2,200	4,602	3,500
Warehouse (over) short	10,235	1,000	11,788	1,000
Uninsured small claims	4,060	5,000	2,110	5,000
Freight expense	157	600	-	600
Communication	6,548	8,350	8,350	15,750
In-service training	15,512	18,750	18,625	18,750
Gasoline and oil	111,721	110,000	140,792	140,000
Office supplies	21,187	16,500	15,868	25,990
Shop supplies	4,069	2,500	5,467	4,000
Janitor supplies	2,451	4,000	2,040	2,500
Safety	3,101	4,000	4,151	4,000
Meter shop supplies	8,054	10,000	4,180	5,000
Subscriptions and memberships	5,171	4,500	5,200	7,000
Total operation and maintenance	<u>\$ 612,799</u>	<u>\$ 625,900</u>	<u>\$ 756,496</u>	<u>\$ 736,690</u>

BOARD OF WATER WORKS OF PUEBLO, COLORADO
 DETAIL OF EXPENDITURES

CAPITAL OUTLAY

TRANSMISSION, DISTRIBUTION AND ENGINEERING

	<u>2005 ACTUAL</u>	<u>2006 BUDGET</u>	<u>2006 ESTIMATED</u>	<u>2007 BUDGET</u>
CAPITAL OUTLAY				
Furniture and fixtures	\$ -	\$ -	\$ -	\$ 2,500
Improvements and replacements	6,942	77,700	167,181	25,000
Mains	802,255	1,346,500	1,421,968	655,100
Valves	7,269	9,000	16,506	9,000
Meters	221,015	270,000	211,575	279,000
Fire hydrants	33,958	25,000	45,365	37,000
Taps	8,809	9,000	23,874	16,200
Cathodic protection	424	87,900	1,000	45,000
Automated meter reading equipment	45,342	-	-	1,500,000
Computer equipment	16,731	31,750	30,677	26,650
Heavy equipment	17,166	109,600	50,324	127,600
Transportation	<u>289,865</u>	<u>344,500</u>	<u>331,406</u>	<u>257,500</u>
 Total capital outlay	 <u>\$ 1,449,776</u>	 <u>\$ 2,310,950</u>	 <u>\$ 2,299,876</u>	 <u>\$ 2,980,550</u>