



Board of Water Works of Pueblo, Colorado

OVERVIEW

TREATING, PUMPING AND LABORATORY

The Treating, Pumping and Laboratory Division is responsible for taking water from the Arkansas River, treating it to a quality that meets or exceeds all State and Federal standards then pumping it into the system ready for consumption. The Treating Department operates and controls the systems necessary to move and treat the water from the point it leaves the river to the point where it is ready to be pumped into the distribution system. The Treating and Pumping Maintenance Department maintains the mechanical systems that treat, pump, and store the water. The Electronics & Facilities Maintenance Department provides maintenance support for all divisions, including building maintenance, HVAC, electronics and electrical.

We have again included \$20,000 for the Board's share of a multiple entity Water Quality Study of Pueblo Reservoir. We had anticipated that study would begin in 2007 but it did not.

Conversion to the new SCADA software began in 2007. With the assistance of the TP&L Team, our new SCADA Specialist Greg Bell is making good progress on the conversion but we still anticipate the project will take all of 2008 and at least a portion of 2009. We have included a number of hardware and software purchases in the 2008 budget to accommodate the conversion along with high speed communication between the 4th Street office and the Whitlock facility. We have also included a number of computer software and hardware security components in the 2008 budget to ensure our systems remain secure.

We decided it was more cost effective to delay construction of the Board's share of the Comanche Pump Station to serve a future peaking plant at the reserved site at Pueblo Reservoir. The Board will pay for installation of electrical components to interface with the new, higher voltage power supply being installed in the expanded pump station.

We delayed purchase of the new mobile standby generator that can be used at either the Administration office or the 8000 Zone Pump Station. We had other, higher priority items that were purchased in 2007 and we reevaluated the installation and have now included additional switches that bring the total to \$158,000. This will increase our reliability in case of an emergency.

Maintenance of our facilities continues to be a priority. Our high quality maintenance team continues to implement the necessary routine maintenance programs to allow our complex systems to function at optimum efficiency. Our preference is to try to avoid utilizing our maintenance team for large capital projects so they can concentrate on maintenance.

Increases in electrical power costs continue to be an unknown due to the potential sale of Aquila's assets to Black Hills. At this time it is unknown how that transaction will turn out so we have not anticipated any increase in power rates for 2008. Chemical costs in 2007 were unusually low due to lower than average water demand. Likewise, chemical costs were lower than anticipated in 2007 but we have estimated that they will be significantly higher in 2008.

Over the last few years, we have discussed the addition of another degreed Microbiologist/Chemist in the Laboratory. Due to the increasing regulatory requirements imposed by the State and EPA, we have included this new position in the 2008 budget.

Terry R. Book



Board of Water Works of Pueblo, Colorado

PERSONNEL SERVICES

TREATING, PUMPING AND LABORATORY

	<u>2006</u> <u>ACTUAL</u>	<u>2007</u> <u>BUDGET</u>	<u>2007</u> <u>ESTIMATED</u>	<u>2008</u> <u>BUDGET</u>
SALARIES & WAGES				
Division manager	\$ 85,970	\$ 103,722	\$ 94,459	\$ 107,126
Manager	152,902	178,444	163,858	184,302
Supervision	133,862	152,397	138,788	157,399
Specialist	201,188	289,533	226,824	361,288
Skills and trades	1,205,682	1,362,620	1,301,711	1,489,151
Part-time	3,229	-	-	-
Temporary	26,846	63,996	50,636	65,023
Overtime	149,448	125,000	124,439	125,000
	<u>1,959,127</u>	<u>2,275,712</u>	<u>2,100,715</u>	<u>2,489,289</u>
TOTAL salaries and wages				
BENEFITS				
Longevity	15,388	17,879	15,262	17,134
Employee assistance	667	677	629	715
Social security	169,094	164,247	166,347	176,191
Pension	56,130	62,602	55,898	67,297
Health insurance	248,595	261,921	235,212	289,160
Dental insurance	26,201	27,405	24,329	26,033
Disability insurance	13,699	14,502	13,714	15,990
Life insurance	24,658	27,464	24,679	29,530
Sick leave	128,276	122,680	121,800	128,660
Vacation leave	134,898	142,661	142,600	149,816
	<u>817,606</u>	<u>842,038</u>	<u>800,470</u>	<u>900,526</u>
TOTAL benefits				
Total personnel services	<u>\$ 2,776,733</u>	<u>\$ 3,117,750</u>	<u>\$ 2,901,185</u>	<u>\$ 3,389,815</u>



Board of Water Works of Pueblo, Colorado

OPERATION AND MAINTENANCE

TREATING, PUMPING AND LABORATORY

	<u>2006</u> <u>ACTUAL</u>	<u>2007</u> <u>BUDGET</u>	<u>2007</u> <u>ESTIMATED</u>	<u>2008</u> <u>BUDGET</u>
OPERATION AND MAINTENANCE				
Outside services	\$ 330,915	\$ 355,850	\$ 359,900	\$ 367,600
Engineering consulting	4,034	41,000	10,000	83,200
Utilities	1,995,204	2,080,550	1,954,800	2,065,850
Repair and maintenance - equipment	186,074	226,800	82,500	171,600
Maintenance - building	439,182	386,000	433,800	464,250
Maintenance - office equipment	659	1,700	1,200	1,800
Tool replacement	10,167	9,100	12,000	17,950
Chemical (over) short	2,489	2,000	-	2,000
Travel and training	17,638	24,250	25,337	26,050
Office supplies	10,291	13,700	18,000	13,720
Shop supplies	116	3,500	-	-
Janitor supplies	3,220	4,000	3,000	3,700
Safety	16,270	16,900	10,000	4,200
Chemicals	466,676	480,000	465,000	637,600
Laboratory	48,247	65,900	60,000	75,450
Subscriptions and memberships	859	1,850	1,861	2,580
Total operation and maintenance	<u>\$ 3,532,041</u>	<u>\$ 3,713,100</u>	<u>\$ 3,437,398</u>	<u>\$ 3,937,550</u>



Board of Water Works of Pueblo, Colorado

CAPITAL OUTLAY

TREATING, PUMPING AND LABORATORY

	<u>2006 ACTUAL</u>	<u>2007 BUDGET</u>	<u>2007 ESTIMATED</u>	<u>2008 BUDGET</u>
CAPITAL OUTLAY				
Improvements and replacements	\$ 115,260	\$ 308,400	\$ 268,000	\$ 177,950
Furniture and fixtures	1,230	1,200	-	-
Computer and office equipment	7,592	69,700	74,200	38,750
Treating equipment	138,315	229,600	127,750	176,100
Pumping equipment	332,383	211,700	190,000	291,000
Laboratory equipment	2,700	10,800	34,500	-
Heavy equipment	<u>48,136</u>	<u>16,800</u>	<u>21,000</u>	<u>-</u>
Total capital outlay	<u>\$ 645,616</u>	<u>\$ 848,200</u>	<u>\$ 715,450</u>	<u>\$ 683,800</u>