

BOARD OF WATER WORKS OF PUEBLO, COLORADO
OPERATING AND CAPITAL FUNDS CASH FLOW ANALYSIS

OPERATING FUND	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
BEGINNING ESTIMATED CASH AVAILABLE	\$ 11,684,122	\$ 8,781,611	\$ 4,206,780	\$ 3,328,092	\$ 2,106,601	\$ 3,025,100	\$ 3,612,623	\$ 5,818,903	\$ 6,944,814	\$ 6,759,284
Revenues										
Sales Revenue Under Existing Rates										
General Water Sales	17,295,074	17,441,318	17,590,056	17,739,251	17,896,900	18,048,492	18,200,772	18,355,490	18,510,209	18,668,859
Raw Water Sales	3,528,008	3,869,066	5,528,220	5,518,449	5,477,596	5,404,728	5,398,177	5,398,177	5,398,177	5,398,177
Public Fire Protection	4,282	4,282	4,282	4,282	4,282	4,282	4,282	4,282	4,282	4,282
Private Fire Protection	66,028	66,028	66,028	66,028	66,028	66,028	66,028	66,028	66,028	66,028
Total Sales Revenue Under Existing Rates	20,893,392	21,380,694	23,188,586	23,328,010	23,444,806	23,523,530	23,669,259	23,823,977	23,978,696	24,137,346
Additional Sales Revenue Required	940,203	1,911,701	3,146,981	4,159,425	5,009,001	5,882,303	6,806,382	7,617,745	8,458,364	9,330,619
Total Sales Revenue	21,833,595	23,292,395	26,335,567	27,487,435	28,453,807	29,405,833	30,475,641	31,441,722	32,437,060	33,467,965
Raw Water Sales	997,500	1,037,300	1,080,284	1,126,707	500,000	500,000	500,000	500,000	500,000	500,000
Miscellaneous Operating Revenue	942,946	962,658	983,207	1,002,109	1,017,798	1,033,957	1,050,602	1,064,888	1,079,531	1,094,541
Transfers										
Transfer (to) from Working Capital Reserve	(324,321)	(677)	(4,295)	29,198	30,108	31,046	32,012	33,007	34,032	35,089
Transfer (to) from Water Development Fund	(773,000)	(781,990)	(2,671,162)	(2,755,438)	(2,841,763)	(2,931,257)	(3,024,047)	(3,120,262)	(3,128,540)	(3,136,860)
Transfer to Capital Fund	360,892	(1,830,701)	865,314	174,057	3,425,429	2,805,831	3,994,498	2,872,879	1,472,533	5,380,738
Nonoperating Revenue										
Gain on Sale of Assets	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000
Interest Income	450,531	331,537	198,582	169,721	96,006	143,057	179,118	275,784	325,679	318,585
Total Operating Fund Revenue	23,508,143	23,030,522	26,807,497	27,253,789	30,701,385	31,008,467	33,227,824	33,088,018	32,740,295	37,680,058
Revenue Requirements										
Operation & Maintenance Expense	20,706,776	21,610,046	22,574,540	23,377,167	24,209,109	25,071,474	25,965,408	26,892,105	27,852,802	28,848,790
Existing Debt Service	3,949,378	4,152,107	4,150,395	4,144,213	4,141,627	4,139,770	4,151,236	4,150,252	4,144,623	4,145,284
Proposed Debt Service	-	-	-	-	-	-	-	-	-	-
Routine Capital Replacements	1,754,500	1,843,200	961,250	953,900	1,432,150	1,209,700	904,900	919,750	928,400	933,350
Total Revenue Requirements	26,410,654	27,605,353	27,686,185	28,475,280	29,782,886	30,420,944	31,021,544	31,962,107	32,925,825	33,927,424
Annual Surplus (Deficiency)	(2,902,511)	(4,574,831)	(878,688)	(1,221,491)	918,499	587,523	2,206,280	1,125,911	(185,530)	3,752,634
ENDING ESTIMATED CASH AVAILABLE	\$ 8,781,611	\$ 4,206,780	\$ 3,328,092	\$ 2,106,601	\$ 3,025,100	\$ 3,612,623	\$ 5,818,903	\$ 6,944,814	\$ 6,759,284	\$ 10,511,918

BOARD OF WATER WORKS OF PUEBLO, COLORADO
OPERATING AND CAPITAL FUNDS CASH FLOW ANALYSIS

CAPITAL FUND	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
BEGINNING ESTIMATED CASH AVAILABLE	\$ 1,957,760	\$ 1,000,000	\$ 1,500,000	\$ 1,500,000	\$ 2,000,000	\$ 2,000,000	\$ 3,000,000	\$ 3,000,000	\$ 3,000,000	\$ 3,000,000
Sources of Funds										
Transfer From (To) Operating Fund	(360,892)	1,830,701	(865,314)	(174,057)	(3,425,429)	(2,805,831)	(3,994,498)	(2,872,879)	(1,472,533)	(5,380,738)
Main Assessments	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
Contributions	-	-	-	-	-	-	-	-	-	-
Plant Water Investment Fees	1,716,872	2,255,989	2,950,389	3,868,196	5,106,951	5,314,170	5,504,827	5,699,543	5,885,954	6,107,110
Proposed Bond Proceeds	-	-	-	-	-	-	-	-	-	-
Interest Income	69,710	14,010	81,925	77,861	157,578	165,661	212,171	188,336	158,579	241,628
Total Sources	1,435,690	4,110,700	2,177,000	3,782,000	1,849,100	2,684,000	1,732,500	3,025,000	4,582,000	978,000
Uses of Funds										
Major Capital Improvements										
Funded by Reserves	2,393,450	3,610,700	2,177,000	3,282,000	1,849,100	1,684,000	1,732,500	3,025,000	4,582,000	978,000
Funded by Bond Proceeds	-	-	-	-	-	-	-	-	-	-
Total Major Capital Improvements	2,393,450	3,610,700	2,177,000	3,282,000	1,849,100	1,684,000	1,732,500	3,025,000	4,582,000	978,000
Debt Issuance Expense	-	-	-	-	-	-	-	-	-	-
Debt Service Reserve	-	-	-	-	-	-	-	-	-	-
Capitalized Interest	-	-	-	-	-	-	-	-	-	-
Total Uses	2,393,450	3,610,700	2,177,000	3,282,000	1,849,100	1,684,000	1,732,500	3,025,000	4,582,000	978,000
Annual Surplus (Deficiency)	(957,760)	500,000	-	500,000	-	1,000,000	-	-	-	-
ENDING ESTIMATED CASH AVAILABLE	\$ 1,000,000	\$ 1,500,000	\$ 1,500,000	\$ 2,000,000	\$ 2,000,000	\$ 3,000,000	\$ 3,000,000	\$ 3,000,000	\$ 3,000,000	\$ 3,000,000
OPERATION & MAINTENANCE RESERVE FUND										
BEGINNING ESTIMATED CASH AVAILABLE	\$ 2,949,364	\$ 3,403,854	\$ 3,552,336	\$ 3,710,883	\$ 3,842,822	\$ 3,979,580	\$ 4,121,338	\$ 4,268,286	\$ 4,420,620	\$ 4,578,543
Sources of Funds										
Transfer From (To) Operating Fund	324,321	677	4,295	(29,198)	(30,108)	(31,046)	(32,012)	(33,007)	(34,032)	(35,089)
Interest Income	130,169	147,805	154,252	161,137	166,866	172,804	178,960	185,341	191,955	198,813
Total Sources	454,490	148,482	158,547	131,939	136,758	141,758	146,948	152,334	157,923	163,724
ENDING ESTIMATED CASH AVAILABLE	\$ 3,403,854	\$ 3,552,336	\$ 3,710,883	\$ 3,842,822	\$ 3,979,580	\$ 4,121,338	\$ 4,268,286	\$ 4,420,620	\$ 4,578,543	\$ 4,742,267

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WATER DEVELOPMENT FUND	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
BEGINNING ESTIMATED CASH AVAILABLE	\$ 12,184,781	\$ 4,714,391	\$ 4,440,932	\$ 836,745	\$ 2,768,801	\$ 4,872,951	\$ 7,466,420	\$ 10,318,394	\$ 13,392,513	\$ 16,608,576
Sources of Funds										
Transfer From (To) Operating Fund & Other Revenue	773,000	781,990	2,671,162	2,755,438	2,841,763	2,931,257	3,024,047	3,120,262	3,128,540	3,136,860
Interest Income	359,110	194,551	112,151	76,618	162,387	262,212	377,927	503,857	637,523	777,354
Total Sources	1,132,110	976,541	2,783,313	2,832,056	3,004,150	3,193,469	3,401,974	3,624,119	3,766,063	3,914,214
Uses of Funds										
	8,602,500	1,250,000	6,387,500	900,000	900,000	600,000	550,000	550,000	550,000	550,000
ENDING ESTIMATED CASH AVAILABLE	\$ 4,714,391	\$ 4,440,932	\$ 836,745	\$ 2,768,801	\$ 4,872,951	\$ 7,466,420	\$ 10,318,394	\$ 13,392,513	\$ 16,608,576	\$ 19,972,790
TOTAL OPERATING & RESERVE FUNDS										
	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Operating Fund Cash Balance	\$ 8,781,611	\$ 4,206,780	\$ 3,328,092	\$ 2,106,601	\$ 3,025,100	\$ 3,612,623	\$ 5,818,903	\$ 6,944,814	\$ 6,759,284	\$ 10,511,918
Capital Fund Cash Balance	1,000,000	1,500,000	1,500,000	2,000,000	2,000,000	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000
Operation & Maintenance Reserve Cash Balance	3,403,854	3,552,336	3,710,883	3,842,822	3,979,580	4,121,338	4,268,286	4,420,620	4,578,543	4,742,267
Water Development Fund Cash Balance	4,714,391	4,440,932	836,745	2,768,801	4,872,951	7,466,420	10,318,394	13,392,513	16,608,576	19,972,790
Total Ending Estimated Cash Balance	\$ 17,899,856	\$ 13,700,048	\$ 9,375,720	\$ 10,718,224	\$ 13,877,631	\$ 18,200,381	\$ 23,405,583	\$ 27,757,947	\$ 30,946,403	\$ 38,226,975

Note:

- (a) Operating & Maintenance reserve cash balance is maintained at an amount equal to 60 days of operation and maintenance expense.
- (b) Capital Fund reserve cash balance is maintained at \$1 million in 2008 and escalating to \$3 million in 2013 and throughout.
- (c) Debt Service Coverage:

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Water Sales Revenue Increases (%)	4.50%	4.25%	4.25%	3.75%	3.00%	3.00%	3.00%	2.50%	2.50%	2.50%
No. of Months Increase is in Effect	12	12	12	12	12	12	12	12	12	12
Debt Service Coverage Calculation										
Revenue	26,530,433	28,266,245	31,926,357	33,999,784	35,691,393	37,027,694	38,509,246	39,889,471	41,246,281	42,735,996
Operation & Maintenance Expense	20,706,776	21,610,046	22,574,540	23,377,167	24,209,109	25,071,474	25,965,408	26,892,105	27,852,802	28,848,790
Net Revenue	5,823,657	6,656,199	9,351,817	10,622,617	11,482,284	11,956,220	12,543,838	12,997,366	13,393,479	13,887,206
Total Debt Service	3,949,378	4,152,107	4,150,395	4,144,213	4,141,627	4,139,770	4,151,236	4,150,252	4,144,623	4,145,284
Debt Service Coverage	147%	160%	225%	256%	277%	289%	302%	313%	323%	335%