

# Water Fund

## Mission

### Water Administration

To provide engineering design and construction inspection services for all water-related projects, as well as maintenance of all permanent water installation records after construction.

### Water Filtration

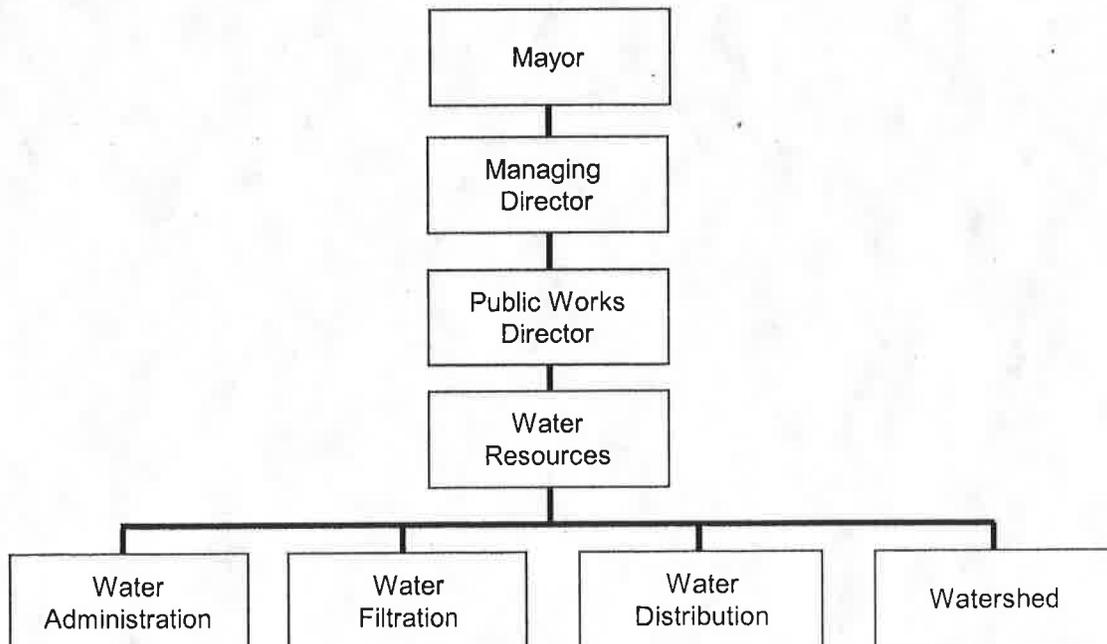
To provide, in accordance with regulatory requirements, and utilizing recognized operational, maintenance, and laboratory procedures, a safe and plentiful supply of drinking water. Similarly, to effectively maintain and support all related programs mandated under the Public Drinking Water Law and Amendments.

### Water Distribution

To provide, through a combination of inspection, upgrading, replacement, and repair, for the maintenance of the piping system through which water is conveyed to our customers.

### Water Shed

To provide an open space system of diverse plants and animals that protect a major City water supply and to provide passive recreation opportunities.



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CITY OF ALLENTOWN

FUND SUMMARY - WATER FUND (002)

	2007 Actual	2008 Actual	2009 Actual	2010 Actual	2011 Final Budget	2011 Actual & Estimated	2012 Final Budget
<b>Opening Balance - Cash Basis 12/31/2010</b>						<b>1,891,438</b>	<b>1,847,439</b>
<b>Revenues:</b>							
3230 Metered Water Sales	11,898,271	11,586,359	11,309,712	11,938,519	11,900,000	12,100,000	12,800,000
3232 Penalties & Interest	182,871	233,101	239,359	224,621	200,000	256,173	200,000
3334 Other Water Sales	1,752,103	1,647,273	1,553,504	1,880,326	2,100,000	2,147,317	2,250,000
3338 Fire Hydrant Standby Charges	63,436	63,890	61,950	60,791	70,000	66,500	70,000
3339 Tapping Fees	102,334	34,898	40,598	161,539	50,000	28,600	30,000
3341 Grant	2,126	-	-	-	-	-	-
3340 Interest Income	105,831	44,805	21,084	28,582	8,000	-	-
3342 Miscellaneous	43,426	39,183	115,310	99,467	56,500	96,134	62,643
3343 State Aid for Pension	40,922	64,183	52,117	58,699	52,244	87,184	49,961
<b>Total Revenue</b>	<b>14,191,320</b>	<b>13,713,692</b>	<b>13,393,634</b>	<b>14,452,544</b>	<b>14,436,744</b>	<b>14,781,908</b>	<b>15,462,604</b>
<b>Total Funds Available</b>						<b>16,673,346</b>	<b>17,310,043</b>
<b>Expenditures</b>							
02 Permanent Wages	3,437,905	3,514,564	3,674,673	3,544,780	3,911,118	3,748,035	3,938,857
04 Temporary Wages	36,180	32,016	68,043	57,018	131,326	129,477	132,640
06 Premium Pay	197,623	228,377	234,029	317,247	286,900	361,344	375,300
11 Shift Differential	9,537	9,501	13,208	15,280	16,675	19,292	18,675
12 FICA	279,766	294,674	301,972	297,772	332,470	324,806	340,767
14 Pension	169,318	215,122	184,848	178,722	214,246	214,246	195,452
16 Insurance- Employee Group	1,111,781	1,153,408	1,086,879	1,122,520	1,059,665	1,059,665	1,100,895
<b>Total Personnel</b>	<b>5,242,110</b>	<b>5,447,662</b>	<b>5,563,652</b>	<b>5,533,339</b>	<b>5,952,400</b>	<b>5,856,865</b>	<b>6,102,586</b>
20 Electric Power	559,135	555,712	537,845	663,383	922,575	739,931	743,050
22 Telephone	9,099	7,118	11,514	1,512	1,500	1,331	2,000
24 Postage & Shipping	90	357	550	995	1,000	259	1,250
26 Printing	2,638	14,884	16,560	20,050	23,750	23,450	23,750
30 Rentals	6,095	17,280	8,254	12,459	60,300	58,358	55,300
32 Publications & Memberships	9,265	7,438	7,415	8,043	10,000	10,531	10,000
34 Training & Professional Development	21,491	12,917	4,452	6,721	17,925	15,237	17,000
42 Repairs & Maintenance	175,978	191,472	74,698	60,341	114,250	100,277	114,750
44 Professional Service Fees	17,953	21,195	36,349	17,510	-	-	-
46 Contract/Services Fees	182,800	211,860	225,808	189,919	440,181	447,668	382,100
50 Other Services & Charges	2,448	3,961	4,011	2,063	65,700	62,929	4,200
<b>Total Services &amp; Charges</b>	<b>986,992</b>	<b>1,044,194</b>	<b>927,456</b>	<b>982,996</b>	<b>1,657,181</b>	<b>1,459,971</b>	<b>1,353,400</b>
54 Repair & Maintenance Supplies	205,987	223,939	112,095	244,075	297,400	279,962	308,200
56 Uniforms	11,690	13,816	10,599	11,336	15,700	16,944	15,700
58 Office Supplies	12,959	11,822	12,375	8,226	100	-	-
62 Fuels, Oils & Lubricants	156,662	149,120	93,191	133,119	231,218	230,783	286,818
64 Pipe & Fittings	331,366	303,480	339,307	333,572	385,000	383,781	407,000
66 Chemicals	124,776	188,927	225,715	182,633	395,970	398,970	521,000
68 Operating Materials & Supplies	41,778	61,470	36,678	39,785	80,500	65,334	78,500
<b>Total Materials &amp; Supplies</b>	<b>885,218</b>	<b>952,574</b>	<b>829,960</b>	<b>952,746</b>	<b>1,405,888</b>	<b>1,375,774</b>	<b>1,617,218</b>
72 Equipment	248,398	120,023	235,419	177,885	360,330	300,866	402,500
<b>Total Capital Outlays</b>	<b>248,398</b>	<b>120,023</b>	<b>235,419</b>	<b>177,885</b>	<b>360,330</b>	<b>300,866</b>	<b>402,500</b>
76 Construction Contracts	10,000	208,393	60,122	85,577	20,000	20,000	20,000
82 Interest Expense	1,032,843	846,542	756,879	662,030	648,484	593,323	612,818
84 Capital Fund Contribution	800,000	675,000	400,000	172,000	200,000	200,000	500,000
86 General City Charges	1,785,259	1,744,210	1,831,421	1,927,732	2,029,111	2,029,111	2,131,126
88 Interfund Transfers	450,000	483,332	485,000	485,000	485,000	485,000	485,000
90 Refunds	12,585	7,406	1,021	172	8,000	7,217	8,000
92 Minimum Charge Rebates	2,441	2,352	1,574	945	3,000	2,850	3,000
98 Debt Principal	2,862,600	2,670,200	2,370,200	2,476,600	2,395,400	2,425,362	2,915,829
99 Prior Years Commitments	145,459	413,255	131,428	347,022	-	69,568	-
<b>Total Sundry</b>	<b>7,101,187</b>	<b>7,050,690</b>	<b>6,037,645</b>	<b>6,157,078</b>	<b>5,788,995</b>	<b>5,832,431</b>	<b>6,675,773</b>
<b>Total Expenditures</b>	<b>14,463,905</b>	<b>14,615,143</b>	<b>13,594,132</b>	<b>13,804,044</b>	<b>15,164,794</b>	<b>14,825,907</b>	<b>16,151,477</b>
<b>Closing Balance</b>						<b>1,847,439</b>	<b>1,158,566</b>

**WATER REVENUE BONDS  
AMORTIZATION SCHEDULE**

YEAR	SERIES OF 2001		SERIES OF 2003	
	PRINCIPAL	INTEREST	PRINCIPAL	INTEREST
2012	1,025,000.00	251,565.00	85,000.00	30,277.50
2013	1,085,000.00	195,190.00	85,000.00	27,260.00
2014	1,145,000.00	135,515.00	90,000.00	24,200.00
2015	1,190,000.00	83,990.00	90,000.00	20,825.00
2016	85,000.00	29,250.00	95,000.00	17,225.00
2017	90,000.00	25,000.00	100,000.00	13,425.00
2018	95,000.00	20,500.00	105,000.00	9,275.00
2019	100,000.00	15,750.00	110,000.00	4,812.50
2020	105,000.00	10,750.00	-	-
2021	110,000.00	5,500.00	-	-
2022	-	-	-	-
2023	-	-	-	-
2024	-	-	-	-
<b>TOTAL</b>	<b>5,030,000.00</b>	<b>773,010.00</b>	<b>760,000.00</b>	<b>147,300.00</b>

YEAR	SERIES OF 2004		SERIES OF 2006 NOTE		SERIES OF 2008	
	PRINCIPAL	INTEREST	PRINCIPAL	INTEREST	PRINCIPAL	INTEREST
2012	135,000.00	67,711.26	399,000.00	48,543.50	845,000.00	67,848.76
2013	140,000.00	63,661.26	411,600.00	32,836.01	665,000.00	42,498.76
2014	145,000.00	59,181.26	429,600.00	16,769.31	190,000.00	21,883.76
2015	155,000.00	54,287.50	-	-	195,000.00	15,946.26
2016	155,000.00	48,707.50	-	-	205,000.00	9,365.00
2017	165,000.00	42,972.50	-	-	30,000.00	2,190.00
2018	165,000.00	36,702.50	-	-	30,000.00	1,110.00
2019	170,000.00	30,102.50	-	-	-	-
2020	180,000.00	23,132.50	-	-	-	-
2021	85,000.00	15,752.50	-	-	-	-
2022	90,000.00	12,182.50	-	-	-	-
2023	95,000.00	8,312.50	-	-	-	-
2024	95,000.00	4,180.00	-	-	-	-
<b>TOTAL</b>	<b>1,775,000.00</b>	<b>466,886.28</b>	<b>1,240,200.00</b>	<b>98,148.82</b>	<b>2,160,000.00</b>	<b>160,842.54</b>

**WATER REVENUE BONDS  
AMORTIZATION SCHEDULE**

<b>TOTAL DEBT SERVICE</b>			
<i>PENNVEST included for years 2012 - 2014 only</i>			
<b>YEAR</b>	<b>PRINCIPAL</b>	<b>INTEREST</b>	<b>TOTAL</b>
2012	2,915,829.34	612,818.31	3,528,647.65
2013	2,817,667.02	503,980.64	3,321,647.66
2014	2,434,947.28	395,703.69	2,830,650.97
2015	1,635,000.00	231,053.76	1,866,053.76
2016	545,000.00	160,433.75	705,433.75
2017	390,000.00	139,331.25	529,331.25
2018	400,000.00	123,175.00	523,175.00
2019	385,000.00	106,077.50	491,077.50
2020	290,000.00	89,107.50	379,107.50
2021	245,000.00	76,277.50	321,277.50
2022	255,000.00	65,145.00	320,145.00
2023	265,000.00	54,056.25	319,056.25
2024	280,000.00	42,486.25	322,486.25
2025	290,000.00	29,750.00	319,750.00
2026	305,000.00	15,250.00	320,250.00
<b>TOTAL</b>	<b>13,453,443.64</b>	<b>2,644,646.40</b>	<b>16,098,090.04</b>

**WATER REVENUE BONDS  
AMORTIZATION SCHEDULE**

<b>SERIES OF 2011 Water Fund Portion of GO Bond</b>		
<b>YEAR</b>	<b>PRINCIPAL</b>	<b>INTEREST</b>
2012	5,000.00	56,305.00
2013	5,000.00	56,205.00
2014	5,000.00	56,105.00
2015	5,000.00	56,005.00
2016	5,000.00	55,886.25
2017	5,000.00	55,743.75
2018	5,000.00	55,587.50
2019	5,000.00	55,412.50
2020	5,000.00	55,225.00
2021	50,000.00	55,025.00
2022	165,000.00	52,962.50
2023	170,000.00	45,743.75
2024	185,000.00	38,306.25
2025	290,000.00	29,750.00
2026	305,000.00	15,250.00
<b>TOTAL</b>	<b>1,210,000.00</b>	<b>739,512.50</b>

**2011 PENNVEST LOAN**

<b>Schantz Spring</b>		
<i>Totals not included in total Debt</i>		
<b>YEAR</b>	<b>PRINCIPAL</b>	<b>INTEREST</b>
2012	30,530.86	6,555.01
2013	30,837.57	6,248.30
2014	31,147.37	5,938.51
2031	33,826.02	169.36
	<b>669,470.00</b>	<b>69,157.54</b>
<b>Automatic Meter Reading</b>		
<i>Totals not included in total Debt</i>		
<b>YEAR</b>	<b>PRINCIPAL</b>	<b>INTEREST</b>
2012	391,298.48	84,012.28
2013	395,229.45	80,081.31
2014	399,199.91	76,110.85
2031	466,950.14	8,360.61
	<b>8,580,249.00</b>	<b>886,356.87</b>

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CITY OF ALLENTOWN  
PROGRAM BUDGET  
RESOURCE REQUIREMENTS

FUND 002 WATER  
DEPT 03 PUBLIC WORKS  
BUREAU 2721 WATER ADMINISTRATION  
PROGRAM 0001 UTILITY ADMINISTRATION

		2007	2008	2009	2010	2011	2011	2012	
		Actual	Actual	Actual	Actual	Final	Actual &	Final	
		Number of Permanent Positions				#	Salaries	#	Salaries
						#	Salaries	#	Salaries
<b>Personnel Detail</b>		-	-	-	-	-	-	-	
<b>Total Positions</b>		-	-	-	-	-	-	-	
<b>Account Detail</b>									
44	PROFESSIONAL SERVICES FEES	15,468	12,895	9,675	9,675	-	-	-	
46	CONTRACT/SERVICES FEES	-	-	-	-	18,000	48,000	30,000	
	<b>Services &amp; Charges</b>	15,468	12,895	9,675	9,675	18,000	48,000	30,000	
82	INTEREST EXPENSE	1,032,843	846,542	756,879	662,030	648,484	593,323	612,818	
84	CAPITAL FUND CONTRIBUTION	800,000	-	-	-	-	-	-	
86	GENERAL CITY CHARGES	1,785,259	1,744,210	1,831,421	1,927,732	2,029,111	2,029,111	2,131,126	
88	INTERFUND TRANSFERS	450,000	483,332	485,000	485,000	485,000	485,000	485,000	
98	DEBT PRINCIPAL	2,862,600	2,670,200	2,370,200	2,476,600	2,395,400	2,425,362	2,915,829	
	<b>Sundry</b>	6,930,702	5,744,284	5,443,500	5,551,362	5,557,995	5,532,796	6,144,773	
<b>TOTAL</b>	<b>Utility Administration</b>	<b>6,946,170</b>	<b>5,757,179</b>	<b>5,453,175</b>	<b>5,561,037</b>	<b>5,575,995</b>	<b>5,580,796</b>	<b>6,174,773</b>	

**PROGRAM DETAIL**

<b>Bureau:</b> Engineering	<b>No:</b> 03-2721	<b>Department:</b> Public Works	<b>Program:</b> Water Administration	<b>No:</b> 0002
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**Program Description:**

This program provides for the design of water main extensions and the preparation of plans and specifications for contract work on the system. Other program activities include the performance of hydraulic studies and analysis liaison services with consultants and other municipalities, and the preparation of cost estimates.

This program provides contractors and homeowners with information regarding location and depth of lines, connection permits and fees, as well as the scheduling of assessment appeals and other public meetings concerning water projects. Other program activities include calculation and billing of miscellaneous invoices, maintenance of water connection records.

**Goal(s):**

To provide engineering services through which the goals and objectives of other city services can be achieved.  
To provide administrative support through which the goals and objectives of the city service areas can be achieved.

**Measurable Budget Year Objectives and Long Range Targets:**

- To implement construction of new lines as called for in the 1978 study by providing in-house engineering services.
- To provide support service for upgrading the water treatment plant.
- To improve water availability to deficient areas in the distribution system.
- To reduce leakage/breakage in the system by replacement of older lines.
- To monitor & update all water records.
- To improve employee efficiency through appropriate training.
- To reorganize and microfilm water files.
- To computerize the permit process.

<b>Impact/Output Measures</b>	<b>2008 Actual</b>	<b>2009 Actual</b>	<b>2010 Actual</b>	<b>2011 Estimated</b>	<b>2012 Budgeted</b>
Water main design	15	14	12	13	8
Miscellaneous design	4	2	2	3	4
Subdivision Review (Major Only)	18	10	13	15	13
Flow tests/Hydraulic analyses	12	9	12	8	10
Review reports	1	1	0	1	1
Cost estimates	3	6	6	7	5
Assessment Ordinances	0	0	0	0	0
Water connection permits	20	28	30	45	35
PA One Calls Processed		2681	3650	5200	5200
PennDOT HOP		30	30	30	30
Inquiries regarding permits, regulations, etc. for water system	500	403	400	400	400

**CITY OF ALLENTOWN  
PROGRAM BUDGET  
RESOURCE REQUIREMENTS**

FUND 002 WATER  
DEPT 03 PUBLIC WORKS  
BUREAU 2721 WATER ADMINISTRATION  
PROGRAM 0002 ENGINEERING

		2007	2008	2009	2010	2011		2011		2012	
		Actual	Actual	Actual	Actual	Final	Actual &	Estimated	Final	Final	
		Number of Permanent Positions				#	Salaries	#	Salaries	#	Salaries
<b>Personnel Detail</b>											
21N	Director of Public Works	-	0.2	0.2	0.2	0.2	17,820	0.2	17,817	0.2	18,106
18N	Dep Dir of Public Works	-	0.3	0.3	0.3	0.0	-	-	-	-	-
18N	Mgr of Eng/City Engineer	0.2	-	-	-	-	-	-	-	-	-
16N	Asst City Eng/Sr Civil Eng	0.1	0.3	0.3	0.3	0.3	23,156	0.3	23,151	0.3	23,522
14N	Senior GIS Coordinator	1.0	-	-	-	-	-	-	-	-	-
10N	Engineering Technician 3	1.0	1.0	1.0	1.0	1.0	52,416	1.0	52,401	1.0	53,170
09N	Administrative Supervisor	1.0	1.0	1.0	1.0	1.0	46,860	1.0	46,851	1.0	47,588
09N	Survey Tech 3	-	1.0	1.0	1.0	1.0	49,676	1.0	49,666	1.0	50,456
07N	Executive Secretary	1.0	1.0	1.0	1.0	1.0	42,146	1.0	42,132	1.0	42,822
06N	Engineering Designer	1.0	-	-	-	-	-	-	-	-	-
15M	Construction Technician	1.0	1.0	-	-	-	-	-	-	-	-
	<b>Total Positions</b>	<b>6.3</b>	<b>5.8</b>	<b>4.8</b>	<b>4.8</b>	<b>4.5</b>		<b>4.5</b>		<b>4.5</b>	
<b>Account Detail</b>											
02	PERMANENT WAGES	292,892	266,354	275,788	244,830		232,074		232,018		235,664
06	PREMIUM PAY	921	65	58	530		1,500		1,500		1,500
11	SHIFT DIFFERENTIAL	45	-	-	11		100		100		100
12	FICA	22,020	20,209	20,935	18,342		17,876		17,872		18,151
14	PENSION	11,561	13,359	11,357	10,164		11,329		11,329		10,335
16	INSURANCE - EMPLOYEE GROUP	75,802	98,010	71,311	63,840		63,675		63,675		69,406
	<b>Personnel</b>	<b>403,241</b>	<b>397,997</b>	<b>379,449</b>	<b>337,717</b>		<b>326,554</b>		<b>326,494</b>		<b>335,156</b>
22	TELEPHONE	1,015	-	-	-		-		-		-
24	POSTAGE & SHIPPING	24	-	-	-		-		-		-
26	PRINTING	370	444	-	-		500		500		500
32	PUBLICATIONS & MEMBERSHIP	6,271	5,941	5,303	6,185		6,500		6,500		6,500
34	TRAINING & PROF DEVELOP	6,608	1,943	100	444		1,000		1,001		1,000
42	REPAIRS & MAINTENANCE	4,675	4,479	2,265	3,171		3,000		2,943		3,000
44	PROFESSIONAL SERVICES FEES	-	2,300	23,894	7,028		-		-		-
46	CONTRACT/SERVICES FEES	3,211	6,392	5,935	6,500		36,500		29,220		36,500
50	OTHER SERVICES & CHARGES	1,268	2,457	1,448	501		2,500		1,000		1,000
	<b>Services &amp; Charges</b>	<b>23,442</b>	<b>23,956</b>	<b>38,945</b>	<b>23,829</b>		<b>50,000</b>		<b>41,164</b>		<b>48,500</b>
56	UNIFORMS	644	860	1,133	908		1,200		500		1,200
58	OFFICE SUPPLIES	9,919	8,607	8,564	4,422		-		-		-
62	FUELS, OILS & LUBRICANTS	16,073	-	-	-		-		-		-
68	OPERATING MATERIAL & SUPPLIES	1,286	540	-	-		11,500		2,000		8,500
	<b>Materials &amp; Supplies</b>	<b>27,922</b>	<b>10,007</b>	<b>9,697</b>	<b>5,330</b>		<b>12,700</b>		<b>2,500</b>		<b>9,700</b>
72	EQUIPMENT	-	-	4,359	-		40,000		-		-
	<b>Capital Outlays</b>	<b>-</b>	<b>-</b>	<b>4,359</b>	<b>-</b>		<b>40,000</b>		<b>-</b>		<b>-</b>
90	REFUNDS	6,801	410	-	-		1,000		567		1,000
99	PRIOR YEARS COMMITMENTS	19,355	18,584	-	1,000		-		-		-
	<b>Sundry</b>	<b>26,156</b>	<b>18,994</b>	<b>-</b>	<b>1,000</b>		<b>1,000</b>		<b>567</b>		<b>1,000</b>
<b>TOTAL</b>	<b>Engineering</b>	<b>480,761</b>	<b>450,954</b>	<b>432,450</b>	<b>367,876</b>		<b>430,254</b>		<b>370,725</b>		<b>394,356</b>

**PROGRAM DETAIL**

<b>Bureau:</b> Water Filtration	<b>No:</b> 03-2723	<b>Department:</b> Public Works	<b>Program:</b> Operations	<b>No:</b> 0001
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**Program Description:**

This program includes operation, maintenance, and laboratory functions associated with treatment, testing, and pumping that are all required in order to provide the highest quality potable water supply possible. The water system is operated 24x7 and under all kinds of adverse weather conditions. Maintenance functions include preventative activities and repair/replacement of all defective equipment at the water plant, reservoir storage facilities, raw water intakes and booster pump stations to help ensure uninterrupted service to the customers. Laboratory testing includes plant process analyses, distribution system monitoring, and watershed water quality testing to ensure that high quality potable water is produced. Constant monitoring of production by lab personnel and/or by on-line equipment is required in order to monitor that all potable water meets all state and federal requirements prior to being served to all customers.

**Goal(s):**

Water Filtration strives to provide the highest quality water in sufficient production quantities to meet all public demands. All water will be treated and pumped at the most economical cost possible. The program strives to exceed all state and federal requirements that have been placed on our water system. A capital investment program will continue to maintain existing facilities, and will also address new upgrades in treatment and storage facilities that are required in order to meet new production requirements or to meet new and more stringent regulatory requirements.

**Measurable Budget Year Objectives and Long Range Targets:**

- Meet all of the production requirements of the Lehigh County Authority (LCA) water agreement. In 2011, LCA withdrew 2 million gallons per day (MGD) from a temporary connection at Schantz Spring. When the long-term connection is made in mid-2012, the temporary connection will be abandoned. In June 2012, LCA will be withdrawing an additional 2 MGD as part of the agreement. For 2012, this will result in an additional 2 MGD being treated at the water plant, and an additional 4 MGD being pumped into the distribution system. Significant increases in chemical and electrical consumptions can be expected. Similar additional 1 MGD withdrawals are contracted for 2014, 2015 and 2016. This represents a 50% increase in production over five years.
- Develop and implement an exchange program for all of the water plant's chemical storage tanks. In 2011, an 8,000 gallon sodium hypochlorite tank ruptured in an area where a replacement tank can not be fit in to. All of the other tanks are well beyond their expected useful life expectancy and additional tank failures are expected.
- Continue to monitor the water plant and distribution systems to comply with PaDEP in meeting guidelines for the Water Plant and Distribution System Optimization Programs.
- Develop and implement a plan to address incoming power problems at the water plant. Twice in 2011, the plant lost both power feeds simultaneously and even a single occurrence would have been unprecedented. The city will continue to work with PPL, plus make efforts to isolate lines from potential tree damage. Emergency generation equipment is also being considered.
- Meet all existing regulations, including all new and stricter requirements of the Safe Drinking Water Act (SDWA).
- Continue to evaluate and replace outdated equipment in the water plant, potable water storage tanks and reservoirs, and the distribution system.
- Update testing procedures to comply with accepted methodologies and maintain PaDEP lab certifications.
- Continue developing a watershed protection program aimed at reducing pollutants in the raw water sources, and to detect where problems might be occurring. Stay actively involved with local watershed groups.
- Address all security concerns within the water filtration plant, distribution system, and watershed in order to reduce the threat of terrorism. This includes the Water Resources security system that will network the water plant, wastewater plant, distribution offices, booster stations, storage reservoirs, and raw water intakes.

<b>Impact/Output Measures</b>	<b>2008 Actual</b>	<b>2009 Actual</b>	<b>2010 Actual</b>	<b>2011 Estimated</b>	<b>2012 Budgeted</b>
Number of gallons of water processed (to system)	5.40BG	5.19 BG	5.27BG	5.29 BG	6.02 BG
Number of gallons of water filtered	1.55BG	1.44 BG	1.34BG	2.01 BG	2.37 BG
Number of major equipment breakdowns	0	0	0	1	0
Number of tests conducted (water)	27,000	27,500	27,500	27,700	27,700
Number of complaints answered	8	8	12	12	12
Number of SDWA violations	0	0	0	0	0

**CITY OF ALLENTOWN  
PROGRAM BUDGET  
RESOURCE REQUIREMENTS**

FUND 002 WATER  
DEPT 03 PUBLIC WORKS  
BUREAU 2723 WATER FILTRATION  
PROGRAM 0001 OPERATIONS

Personnel Detail	2007	2008	2009	2010	2011		2011		2012	
	Actual	Actual	Actual	Actual	Final Budget	Final Budget	Actual & Estimated	Actual & Estimated	Final Budget	
	Number of Permanent Positions				#	Salaries	#	Salaries	#	Salaries
21N Director of Public Works	0.1	0.1	0.1	0.1	0.1	8,910	0.1	8,909	0.1	9,053
14N Laboratories Manager	1.0	1.0	1.0	1.0	1.0	57,756	1.0	57,741	1.0	58,718
13N Water Filtration Chief TPO	1.0	1.0	1.0	1.0	1.0	68,770	1.0	68,502	1.0	69,784
11N Maintenance Supervisor	1.0	1.0	1.0	1.0	1.0	62,842	1.0	62,827	1.0	63,752
10N APP Support Pgr/Coord	1.0	1.0	1.0	1.0	1.0	58,136	1.0	58,126	1.0	58,994
16M Treatment Plant Oper 5	1.0	-	-	-	-	-	-	-	-	-
14M Treatment Plant Oper 2	4.0	4.0	4.0	4.0	4.0	175,818	4.0	160,615	4.0	176,052
14M Environmental Technician	1.0	1.0	1.0	1.0	1.0	50,550	1.0	46,691	1.0	50,851
14M Instrument Technician	1.0	1.0	1.0	1.0	1.0	50,586	1.0	50,627	1.0	51,443
14M Treatment Plant Oper 1	3.0	3.0	3.0	3.0	3.0	123,864	3.0	99,138	3.0	116,741
13M Lab Technician	2.0	2.0	2.0	2.0	2.0	85,872	2.0	85,295	2.0	87,240
13M Tradesman-Electrician	1.0	1.0	1.0	1.0	1.0	48,571	1.0	48,601	1.0	49,402
13M Tradesman	-	-	3.0	3.0	3.0	146,357	3.0	146,874	3.0	149,916
11M Maintenance Mechanic "A"	-	-	-	1.0	1.0	33,016	1.0	45,387	1.0	44,654
09M Maintenance Mechanic 2	5.0	5.0	1.0	1.0	1.0	45,160	1.0	40,343	1.0	43,943
08M Clerk 3	1.0	1.0	1.0	1.0	1.0	44,190	1.0	44,228	1.0	44,863
06M MW1/Custodial	-	-	1.0	1.0	1.0	39,253	1.0	33,129	1.0	31,356
<b>Total Positions</b>	<b>23.1</b>	<b>22.1</b>	<b>22.1</b>	<b>23.1</b>	<b>23.1</b>		<b>23.1</b>		<b>23.1</b>	
<b>Account Detail</b>										
02 PERMANENT WAGES	865,638	902,073	1,018,384	988,226		1,099,851		1,057,033		1,106,762
04 TEMPORARY WAGES	6,852	5,220	5,461	6,286		8,000		7,083		8,000
06 PREMIUM PAY	86,602	112,537	125,543	179,533		133,900		197,594		150,000
11 SHIFT DIFFERENTIAL	5,773	6,413	9,746	10,222		11,000		12,317		11,000
12 FICA	73,396	77,800	87,387	89,465		95,820		96,521		96,754
14 PENSION	40,556	50,902	45,233	48,916		58,156		58,156		53,055
16 INSURANCE - EMPLOYEE GROUP	265,907	266,438	271,720	307,230		286,015		286,015		298,836
<b>Personnel</b>	<b>1,344,724</b>	<b>1,421,383</b>	<b>1,563,474</b>	<b>1,629,878</b>		<b>1,692,542</b>		<b>1,714,719</b>		<b>1,724,407</b>
20 ELECTRIC POWER	523,250	521,237	500,000	615,230		867,825		675,931		677,550
22 TELEPHONE	3,921	2,920	8,849	1,512		1,500		1,331		2,000
24 POSTAGE & SHIPPING	66	357	550	995		500		259		750
26 PRINTING	-	-	-	-		250		100		250
30 RENTALS	4,920	4,138	4,692	3,867		15,500		15,058		10,000
32 PUBLICATIONS & MEMBERSHIP	1,498	1,159	1,629	1,492		2,000		2,606		2,000
34 TRAINING & PROF DEVELOP	8,289	5,952	1,861	1,823		8,925		5,586		7,000
42 REPAIRS & MAINTENANCE	161,756	174,796	60,136	41,037		88,200		74,747		88,200
44 PROFESSIONAL SERVICES FEES	2,485	6,000	-	807		-		-		-
46 CONTRACT/SERVICES FEES	165,307	174,996	173,884	156,442		152,181		142,373		160,000
50 OTHER SERVICES & CHARGES	205	1,192	2,205	1,562		62,200		61,079		2,200
<b>Services &amp; Charges</b>	<b>871,697</b>	<b>892,747</b>	<b>753,806</b>	<b>824,767</b>		<b>1,199,081</b>		<b>979,070</b>		<b>949,950</b>
54 REPAIR & MAINTENANCE SUPPLIES	47,569	57,800	40,009	49,653		75,000		66,912		75,000
56 UNIFORMS	3,215	3,092	2,662	3,888		5,000		2,100		5,000
58 OFFICE SUPPLIES	1,609	1,685	1,868	1,836		-		-		-
62 FUELS, OILS & LUBRICANTS	115,825	115,313	68,271	107,099		187,918		186,844		237,918
64 PIPE & FITTINGS	12,686	11,593	16,572	7,534		14,000		31,031		14,000
66 CHEMICALS	121,694	181,916	207,353	176,312		374,970		378,020		500,000
68 OPERATING MATERIAL & SUPPLIES	23,312	26,025	28,038	24,480		36,000		30,634		36,000
<b>Materials &amp; Supplies</b>	<b>325,910</b>	<b>397,424</b>	<b>364,773</b>	<b>370,802</b>		<b>692,888</b>		<b>695,541</b>		<b>867,918</b>
72 EQUIPMENT	54,506	32,922	64,494	59,697		111,830		95,867		48,600
<b>Capital Outlays</b>	<b>54,506</b>	<b>32,922</b>	<b>64,494</b>	<b>59,697</b>		<b>111,830</b>		<b>95,867</b>		<b>48,600</b>
84 CAPITAL FUND CONTRIBUTION	-	250,000	200,000	-		-		-		-
99 PRIOR YEARS COMMITMENTS	116,532	129,264	65,039	186,681		-		-		-
<b>Sundry</b>	<b>116,532</b>	<b>379,264</b>	<b>265,039</b>	<b>186,681</b>		<b>-</b>		<b>-</b>		<b>-</b>
<b>TOTAL Operations</b>	<b>2,713,369</b>	<b>3,123,740</b>	<b>3,011,586</b>	<b>3,071,825</b>		<b>3,696,341</b>		<b>3,485,197</b>		<b>3,590,875</b>

**PROGRAM DETAIL**

<b>Bureau:</b> Distribution & Collection	<b>No:</b> 03-2727	<b>Department:</b> Public Works	<b>Program:</b> Construction & Maintenance	<b>No:</b> 0001
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**Program Description:**

To effectively maintain, repair and replace as required all Water Distribution system services, mains, meters, valves and fire hydrants. Maintain emergency standby 24 hours a day; 7 days a week for the purpose of responding to water distribution system problems. To provide daily inspection and maintenance of the water distribution system via hydrant and valve maintenance, meter exchange and troubleshooting programs. Provide continuing evaluation of the water distribution system through daily leak detection program as well as monitoring pressure throughout the system via Telog units. To increase accuracy and efficiency of meter reading through the installation, maintenance and repair of an automatic meter reading system (radio frequency). The bureau will provide support to the Streets Bureau for snow plowing, salting and removal on City streets, Hamilton Mall, bridges and City properties.

**Goal(s):**

To provide safe, potable water in adequate quantities through an annual program of inspection and replacement of services. To provide for an effective, well-maintained fire system to ensure that our system valves are in good operating condition and to keep accurate as-built information. To provide effective leak detection program by surveying the distribution system bi-annually. To ensure that all customers are paying their fair share of water service costs through maintenance and repair of water meters and/or accurate water usage accounting. To continue automatic meter reading via radio transmissions. We will begin a new phase of computerization through GIS and a maintenance management system (GBA Master Series), which ensures us of a more accurate evaluation of our distribution system.

**Measurable Budget Year Objectives and Long Range Targets:**

- To replace deteriorated and/or install new water mains.
- To maintain and improve the distribution system by:
  - Replace lead services
  - Repair service laterals/mains
  - Repair/replace curb stops/curb boxes and corporation stops.
- To repair/replace and maintain all fire hydrants.
- To repair/replace and maintain all valves.
- To repair/replace and maintain all water meters.
- To read/record accurately and bill water/sewer accounts every 90 days.
- To expand the in-house leak detection program by implementing a City-wide leak survey.
- To respond to all citizens requests in a timely manner, during the day and on emergency stand-by.
- To continue our program of installing radio read modules on all monthly accounts and to begin implementing the system into our quarterly accounts.
- To complete the computerization of records for accurate tracking purposes.
- To provide assistance during snow plowing / removal operations

Impact/Output Measures	2008 Actual	2009 Actual	2010 Actual	2011 Estimated	2012 Estimated
New/re-laid mains (ft)	4,000	4,900	3,400	4760	3500
New/replacement services	200	117	75	125	150
Complaints checked	2,000	1,949	2,200	2300	2500
Test & flow hydrants	1,800	646	500	330	1800
Repair/replace hydrants	75	88	40	40	100
Clean casing/operate valves	1,500	942	900	355	1200
Repair/replace broken valves	50	14	12	34	75
Service leaks	150	100	100	62	100
Miles of piping surveyed	200	160	15	20	150
Main breaks	25	25	25	22	30
Install, repair and exchange all meters	1,200	751	750	268	25,000
Leak Survey water saved (Millions of gallons)	30	15	0.4	22	30
PA One call requests	2,500	1,579	3,000	1300	1500
Snow Hours	939		3,500	1000	1500

**CITY OF ALLENTOWN  
PROGRAM BUDGET  
RESOURCE REQUIREMENTS**

FUND 002 WATER  
DEPT 03 PUBLIC WORKS  
BUREAU 2727 WATER DISTRIBUTION  
PROGRAM 0001 CONSTRUCTION & MAINTENANCE

Personnel Detail	2007	2008	2009	2010	2011		2011		2012	
	Actual	Actual	Actual	Actual	Final Budget	Final Budget	Actual & Estimated	Actual & Estimated	Final Budget	Final Budget
	Number of Permanent Positions				#	Salaries	#	Salaries	#	Salaries
17N Manager Distribution Coll	1.0	1.0	1.0	1.0	1.0	70,772	1.0	70,759	1.0	71,812
11N Maintenance Supervisor	1.0	1.0	1.0	1.0	1.0	59,644	1.0	53,500	1.0	52,456
10N Operations Manager	-	-	-	-	1.0	56,100	1.0	58,116	1.0	59,122
09N Office Manager	1.0	1.0	1.0	1.0	-	-	-	-	-	-
15M Equipment Operator 5	1.0	1.0	1.0	1.0	1.0	52,492	1.0	37,562	1.0	47,445
14M Construction Technician	1.0	1.0	1.0	1.0	1.0	37,284	1.0	24,056	1.0	45,676
14M Equipment Operator 4	1.0	1.0	1.0	1.0	1.0	47,144	1.0	47,185	1.0	48,978
13M Tradesman-Plumber	1.0	1.0	1.0	1.0	1.0	48,894	1.0	48,781	1.0	49,700
13M Tradesman	4.0	4.0	3.0	3.0	3.0	145,626	3.0	141,116	3.0	145,241
11M Water Meter Repairman	1.0	1.0	1.0	1.0	1.0	47,438	1.0	47,475	1.0	48,152
10M Tradesman	1.0	1.0	-	-	-	-	-	-	-	-
10M Water Meter Installer	3.0	3.0	2.0	2.0	2.0	90,920	2.0	90,974	2.0	92,510
09M Maintenance Mechanic 2	1.0	1.0	-	-	-	-	-	-	-	-
09M Equipment Operator 2	1.0	1.0	1.0	1.0	1.0	44,061	1.0	45,292	1.0	44,831
08M Clerk 3	1.0	1.0	1.0	1.0	1.0	43,053	1.0	43,089	1.0	43,815
08M Inventory Control Clerk	1.0	1.0	1.0	1.0	1.0	43,053	1.0	43,089	1.0	43,815
08M Maintenance Worker 2	10.0	10.0	8.0	8.0	8.0	320,863	8.0	311,529	8.0	327,882
08M Line Loc/Water Met Rd	1.0	1.0	1.0	1.0	1.0	44,190	1.0	44,228	1.0	44,863
06M Clerk 2	1.0	2.0	2.0	2.0	2.0	73,074	2.0	53,819	2.0	62,829
06M Maintenance Worker 1	3.0	2.0	2.0	2.0	2.0	84,274	2.0	61,996	2.0	73,943
06M Radio Operator	1.0	1.0	1.0	1.0	1.0	42,046	1.0	42,079	1.0	42,744
<b>Total Positions</b>	<b>36.0</b>	<b>36.0</b>	<b>30.0</b>	<b>30.0</b>	<b>30.0</b>		<b>30.0</b>		<b>30.0</b>	
<b>Account Detail</b>										
02 PERMANENT WAGES	1,279,019	1,256,999	1,302,543	1,211,284		1,350,928		1,264,645		1,345,814
04 TEMPORARY WAGES	6,234	5,710	14,946	14,017		18,640		17,708		18,640
06 PREMIUM PAY	72,807	58,092	67,442	77,653		95,000		90,250		157,300
11 SHIFT DIFFERENTIAL	2,471	1,926	2,320	3,430		4,000		3,800		4,500
12 FICA	103,540	107,811	104,889	98,930		112,345		105,295		116,758
14 PENSION	66,064	82,916	70,493	63,527		75,527		75,527		68,902
16 INSURANCE - EMPLOYEE GROUP	433,152	434,016	393,440	399,000		366,450		366,450		381,071
<b>Personnel</b>	<b>1,963,287</b>	<b>1,947,470</b>	<b>1,956,073</b>	<b>1,867,841</b>		<b>2,022,890</b>		<b>1,923,675</b>		<b>2,092,985</b>
20 ELECTRIC POWER	13,665	15,774	16,642	19,568		30,000		28,500		30,000
22 TELEPHONE	3,086	2,800	1,974	-		-		-		-
24 POSTAGE & SHIPPING	-	-	-	-		500		-		500
26 PRINTING	2,268	2,220	2,022	2,420		3,000		2,850		3,000
30 RENTALS	-	10,000	1,600	6,600		40,000		38,000		40,000
32 PUBLICATIONS & MEMBERSHIP	1,496	338	483	366		1,500		1,425		1,500
34 TRAINING & PROF DEVELOP	5,632	5,022	1,926	4,259		7,000		6,650		7,000
42 REPAIRS & MAINTENANCE	7,592	9,869	9,562	14,744		19,250		18,287		19,250
46 CONTRACT/SERVICES FEES	13,432	18,883	5,794	3,700		108,500		103,075		5,600
50 OTHER SERVICES & CHARGES	975	312	358	-		1,000		850		1,000
<b>Services &amp; Charges</b>	<b>48,146</b>	<b>65,218</b>	<b>40,361</b>	<b>51,657</b>		<b>210,750</b>		<b>199,637</b>		<b>107,850</b>
54 REPAIR & MAINTENANCE SUPPLIES	134,399	127,641	48,520	172,869		187,000		177,650		193,200
56 UNIFORMS	4,000	3,430	3,028	3,278		5,000		9,844		5,000
58 OFFICE SUPPLIES	1,353	1,530	1,943	1,968		-		-		-
62 FUELS, OILS & LUBRICANTS	14,654	20,150	12,773	8,955		15,300		15,939		20,900
64 PIPE & FITTINGS	318,183	291,280	322,172	323,634		365,000		346,750		387,000
66 CHEMICALS	213	71	86	904		1,000		950		1,000
68 OPERATING MATERIAL & SUPPLIES	2,918	2	94	2,176		6,000		5,700		7,000
<b>Materials &amp; Supplies</b>	<b>475,720</b>	<b>444,104</b>	<b>388,616</b>	<b>513,784</b>		<b>579,300</b>		<b>556,833</b>		<b>614,100</b>
72 EQUIPMENT	119,765	87,101	57,507	18,074		70,000		66,500		85,500
<b>Capital Outlays</b>	<b>119,765</b>	<b>87,101</b>	<b>57,507</b>	<b>18,074</b>		<b>70,000</b>		<b>66,500</b>		<b>85,500</b>
76 CONSTRUCTION CONTRACTS	-	190,524	46,167	85,577		-		-		-
84 CAPITAL CONTRIBUTIONS	-	425,000	200,000	172,000		200,000		200,000		500,000
90 REFUNDS	5,784	6,996	1,021	172		7,000		6,650		7,000
92 MINIMUM CHARGE REBATES	2,441	2,352	1,574	945		3,000		2,850		3,000
99 PRIOR YEARS COMMITMENTS	7,053	265,407	66,389	103,947		-		-		-
<b>Sundry</b>	<b>15,278</b>	<b>890,279</b>	<b>315,151</b>	<b>362,641</b>		<b>210,000</b>		<b>209,500</b>		<b>510,000</b>
<b>Total</b>	<b>2,622,196</b>	<b>3,434,172</b>	<b>2,757,708</b>	<b>2,813,997</b>		<b>3,092,940</b>		<b>2,956,145</b>		<b>3,410,435</b>

**PROGRAM DETAIL**

<b>Bureau:</b> Water Shed (Lehigh Parkway)	<b>No:</b> 08-2722	<b>Department:</b> Parks and Recreation	<b>Program:</b> Grounds Maintenance	<b>No:</b> 0001
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**Program Description:**

This program's responsibilities include the maintenance of turf, trees and shrubbery; the maintenance, renovation and improvement of all buildings and pavilions, maintenance assistance for non-City and City events (races, fishing contests, etc.); snow removal on roadways and public streets/snow districts; and minor maintenance repairs on equipment. Areas of responsibility include the Water Shed system (Lehigh Parkway), South Mountain Reservoir, East Side Reservoir, booster stations, Schantz Spring and Huckleberry Ridge, and various other City-owned areas that require maintenance. Assist other departments as needed.

**Goal(s):**

To provide year-round recreational programs/activities in an efficient, safe and effective manner, and protect open space and the City's water supply; provide for the safe movement of vehicles and individuals utilizing parklands. To maintain the bridle path, a multi-purpose trail, keeping it safe and clean for walkers, joggers, bicyclists, and horse riders.

**Measurable Budget Year Objectives and Long Range Targets:**

- Maintain an attractive, green, well kept setting for recreation including jogging, bicycling, nature study, picnicking and fishing.
- Assure environmental protection of stream valley, water shed and reservoir areas.
- Maintain special facilities for environmental education (trout nursery and nature trails) and unique recreation areas (bridle path).
- Continue to implement volunteer involvement in special projects: tree plantings, stream clean-up, restoration, etc.
- Maintain buildings for storage of equipment, materials and supplies.
- Provide snow control on streets, walks and bridges.
- Maintain rolling stock and equipment to minimize down time and maintain efficiency and production.
- Substitute equipment reconditioning for acquisition of new equipment; whenever possible.
- Provide pruning, removal or repairs, of trees as a method of controlling diseases and make wooded areas safe for public use.
- Plant new trees for protection of water supply as needed.
- Provide staff assistance for City and Non-City special events; races, fishing contests, etc.
- Naturalize 3% to 5% of high maintenance areas each year to reduce maintenance costs.
- Install, maintain, remove and store Lights in the Parkway lights.
- Create riparian buffers in specified areas to meet best management practice requirements.
- Upgrade disc golf with amenities and adjust course for year round play.
- Acquire abandoned railways and continue increasing and improving bikeways.

Impact/Output Measures	2008 Actual	2009 Actual	2010 Actual	2011 Estimated	2012 Projected
Acres of turf mowed/rotary mowed	420	420	420	420	420
Acres of woodland maintained	440	440	440	440	440
Number of nature trails	4	4	4	4	4
Miles of bridle path maintained	14	14	14	14	14
Garbage pick-up (loads)	500	525	525	525	500
Number of seedlings planted	700	700	700	700	300
Number of buildings and facilities maintained	45	45	45	47	47
Number of miles/snow control	26	26	26	26	26
Number of equipment pieces	150	150	150	150	150
Number of trees removed	200	200	200	75	75
Number of trees planted	150	150	150	150	100
Wood chip production; dump truck loads	90	90	90	150	150

**CITY OF ALLENTOWN  
PROGRAM BUDGET  
RESOURCE REQUIREMENTS**

FUND 002 WATER  
DEPT 08 PARKS AND RECREATION  
BUREAU 2722 WATER-SHED  
PROGRAM 0001 GROUNDS MAINTENANCE

Personnel Detail	2007	2008	2009	2010	2011		2011		2012	
	Actual	Actual	Actual	Actual	Final Budget	Final Budget	Actual & Estimated	Actual & Estimated	Final Budget	Final Budget
	Number of Permanent Positions				#	Salaries	#	Salaries	#	Salaries
16N Parks Superintendent	0.5	0.5	0.5	0.5	0.5	31,824	0.5	31,818	0.5	32,292
11N Maintenance Supervisor	1.0	1.0	1.0	1.0	1.0	61,672	1.0	60,265	1.0	61,048
10N Arbor Foreperson	-	-	-	1.0	1.0	51,064	1.0	51,047	1.0	51,792
08N Maintenance Foreperson	1.0	1.0	1.0	1.0	1.0	44,780	1.0	44,774	1.0	45,560
16M Tree Inspector	-	-	-	-	1.0	38,513	1.0	25,276	1.0	39,741
14M Equipment Operator 4	1.0	1.0	1.0	1.0	1.0	51,180	1.0	51,183	1.0	51,961
13M Tradesman - Plumber	1.0	1.0	1.0	1.0	1.0	49,052	1.0	49,085	1.0	49,910
11M Arborist 2	1.0	1.0	2.0	2.0	1.0	47,438	1.0	47,475	1.0	48,152
11M Maintenance Mechanic 3	-	-	-	-	-	-	-	-	1.0	48,334
10M Maintenance Worker 3	1.0	3.0	4.0	4.0	4.0	184,506	4.0	180,525	3.0	140,606
09M Arborist 1	1.0	1.0	-	-	1.0	40,610	1.0	40,628	1.0	42,028
08M Maintenance Worker 2	12.0	10.0	9.0	9.0	9.0	388,261	9.0	395,614	9.0	397,072
06M Maintenance Worker 1PPT	1.0	1.0	1.0	-	-	-	-	-	-	-
06M Maintenance Worker 1	7.0	8.0	4.0	5.0	5.0	195,375	5.0	172,417	5.0	197,258
<b>Total Positions</b>	<b>27.5</b>	<b>28.5</b>	<b>24.5</b>	<b>25.5</b>	<b>26.5</b>		<b>26.5</b>		<b>26.5</b>	
<b>Account Detail</b>										
02 PERMANENT WAGES	962,270	1,049,928	1,036,913	1,057,038		1,184,275		1,150,107		1,205,754
04 TEMPORARY WAGES	23,094	21,086	47,636	36,715		104,686		104,686		106,000
06 PREMIUM PAY	35,934	56,649	40,134	58,219		55,000		70,000		65,000
11 SHIFT DIFFERENTIAL	1,217	1,126	1,128	1,574		1,500		3,000		3,000
12 FICA	77,790	85,780	85,562	87,618		102,928		101,576		105,551
14 PENSION	49,548	65,642	55,807	53,998		66,716		66,716		60,863
16 INSURANCE - EMPLOYEE GROUP	324,864	342,912	338,113	339,150		331,525		331,525		339,182
<b>Personnel</b>	<b>1,474,717</b>	<b>1,623,123</b>	<b>1,605,293</b>	<b>1,634,312</b>		<b>1,846,630</b>		<b>1,827,610</b>		<b>1,885,351</b>
20 ELECTRIC POWER	16,707	12,085	14,075	21,837		18,000		28,000		28,000
22 TELEPHONES	1,077	1,398	691	-		-		-		-
26 PRINTING	-	12,220	14,538	17,630		20,000		20,000		20,000
30 RENTALS	572	1,938	1,962	1,992		3,000		3,500		3,500
34 TRAINING & PROF DEVELOP	962	-	565	195		1,000		2,000		2,000
42 REPAIRS & MAINTENANCE	902	1,062	1,180	575		2,000		2,500		2,500
44 PROFESSIONAL SERVICES FEES	-	-	2,780	-		-		-		-
46 CONTRACT/SERVICES FEES	850	11,589	40,195	23,277		125,000		125,000		150,000
<b>Services &amp; Charges</b>	<b>21,070</b>	<b>40,292</b>	<b>75,986</b>	<b>65,506</b>		<b>169,000</b>		<b>181,000</b>		<b>206,000</b>
54 REPAIR & MAINTENANCE SUPPLIES	23,426	37,530	23,566	21,510		30,400		30,400		35,000
56 UNIFORMS	3,831	6,434	3,776	3,262		4,500		4,500		4,500
58 OFFICE SUPPLIES	78	-	-	-		100		-		-
62 FUELS, OILS & LUBRICANTS	8,779	10,985	9,547	12,488		20,000		20,000		20,000
64 PIPE & FITTINGS	497	607	563	2,404		6,000		6,000		6,000
66 CHEMICALS	2,869	6,940	18,276	5,417		20,000		20,000		20,000
68 OPERATING MATERIAL & SUPPLIES	14,176	31,733	8,026	13,127		22,000		22,000		22,000
<b>Materials &amp; Supplies</b>	<b>53,656</b>	<b>94,229</b>	<b>63,754</b>	<b>58,208</b>		<b>103,000</b>		<b>102,900</b>		<b>107,500</b>
72 EQUIPMENT	74,127	-	109,059	100,114		138,500		138,499		268,400
<b>Capital Outlays</b>	<b>74,127</b>	<b>-</b>	<b>109,059</b>	<b>100,114</b>		<b>138,500</b>		<b>138,499</b>		<b>268,400</b>
76 CONSTRUCTION CONTRACTS	10,000	17,869	13,955	-		20,000		20,000		20,000
99 PRIOR YEARS COMMITMENTS	2,519	-	-	50,902		-		-		-
<b>Sundry</b>	<b>12,519</b>	<b>17,869</b>	<b>13,955</b>	<b>50,902</b>		<b>20,000</b>		<b>20,000</b>		<b>20,000</b>
<b>Total</b>	<b>1,636,089</b>	<b>1,775,513</b>	<b>1,868,047</b>	<b>1,909,042</b>		<b>2,277,130</b>		<b>2,270,009</b>		<b>2,487,251</b>

**PROGRAM DETAIL**

<b>Bureau:</b> Water Shed (Lehigh Parkway)	<b>No:</b> 08-2722	<b>Department:</b> Parks and Recreation	<b>Program:</b> Trout Nursery Operation	<b>No:</b> 0002
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**Program Description:**

The Trout Nursery program maintains fifteen (12) fish nursery ponds and the Hatch House. This program supervises, feeds and cares for forty thousand (40,000+) trout annually. It also maintains exhibits used for environmental education and provides for the continual upkeep of the memorial arboretum adjacent to the Hatchery parking lot.

**Goal(s):**

To provide year-round environmental education and recreational programs. To continue upkeep to provide a clean and safe environment for public use. To clean and maintain fish hatchery ponds to keep healthy fish for public stockings in City streams. Continue to provide tours to school children and the general public.

**Measurable Budget Year Objectives and Long Range Targets:**

- Assure continued maintenance and upkeep of twelve (12) trout nursery ponds.
- Raising of 40,000+ trout for stocking in area streams in a cooperative volunteer program involving local Sportsmen and the Pennsylvania Fish and Boat Commission.
- Serve the community through tours of the Hatch House nature exhibits.
- Implement guide to historical features of the Trout Nursery.
- Update signage in Trout Nursery and along Bridle Path.
- Install bridge over creek for safer access to nursery.
- Continue improvements to meet the needs of visitors.
- Investigate the feasibility of installing an ADA-compliant water fountain on the premises.

<b>Impact/Output Measures</b>	<b>2008 Actual</b>	<b>2009 Actual</b>	<b>2010 Actual</b>	<b>2011 Estimated</b>	<b>2012 Budgeted</b>
Number of ponds maintained	12	12	12	12	12
Number of trout reared	40,000	40,000	40,000	40,000	40,000
Number of visitors to complex	90,000	90,000	90,000	90,000	90,000
Number of trees in Arboretum	180	180	185	185	185

**CITY OF ALLENTOWN  
PROGRAM BUDGET  
RESOURCE REQUIREMENTS**

FUND 002 WATER  
DEPT 08 PUBLIC WORKS  
BUREAU 2722 WATER-SHED  
PROGRAM 0002 FISH HATCHERY OPERATION

		2007	2008	2009	2010	2011	2011	2012
		Actual	Actual	Actual	Actual	Final Budget	Actual & Estimated	Final Budget
		Number of Permanent Positions				#	#	#
						Salaries	Salaries	Salaries
<b>Personnel Detail</b>								
	08M Maintenance Worker 2	1.0	1.0	1.0	1.0	44,190	44,232	44,863
	<b>Total Positions</b>	1.0	1.0	1.0	1.0	1.0	1.0	1.0
<b>Account Detail</b>								
02	PERMANENT WAGES	38,086	39,210	41,045	43,402	44,190	44,232	44,863
06	PREMIUM PAY	1,359	1,034	852	1,312	1,500	2,000	1,500
11	SHIFT DIFFERENTIAL	31	36	14	43	75	75	75
12	FICA	3,020	3,074	3,199	3,417	3,501	3,542	3,553
14	PENSION	1,589	2,303	1,958	2,117	2,518	2,518	2,297
16	INSURANCE - EMPLOYEE GROUP	12,056	12,032	12,295	13,300	12,000	12,000	12,400
	<b>Personnel</b>	56,141	57,689	59,363	63,591	63,784	64,367	64,687
20	ELECTRIC POWER	5,513	6,616	7,128	6,748	6,750	7,500	7,500
30	RENTALS	603	1,204	-	-	1,800	1,800	1,800
42	REPAIRS & MAINTENANCE	1,053	1,266	1,555	814	1,800	1,800	1,800
	<b>Services &amp; Charges</b>	7,169	9,086	8,683	7,562	10,350	11,100	11,100
54	REPAIR & MAINTENANCE SUPPLIES	593	968	-	43	5,000	5,000	5,000
62	FUELS, OILS & LUBRICANTS	1,331	2,672	2,600	4,577	8,000	8,000	8,000
68	OPERATING MATERIAL & SUPPLIES	86	3,170	520	2	5,000	5,000	5,000
	<b>Materials &amp; Supplies</b>	2,010	6,810	3,120	4,622	18,000	18,000	18,000
99	PRIOR YEARS COMMITMENTS	-	-	-	4,492	-	-	-
	<b>Sundry</b>	-	-	-	4,492	-	-	-
<b>TOTAL</b>	<b>Fish Hatchery Operation</b>	<b>65,320</b>	<b>73,585</b>	<b>71,166</b>	<b>80,267</b>	<b>92,134</b>	<b>93,467</b>	<b>93,787</b>

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