

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

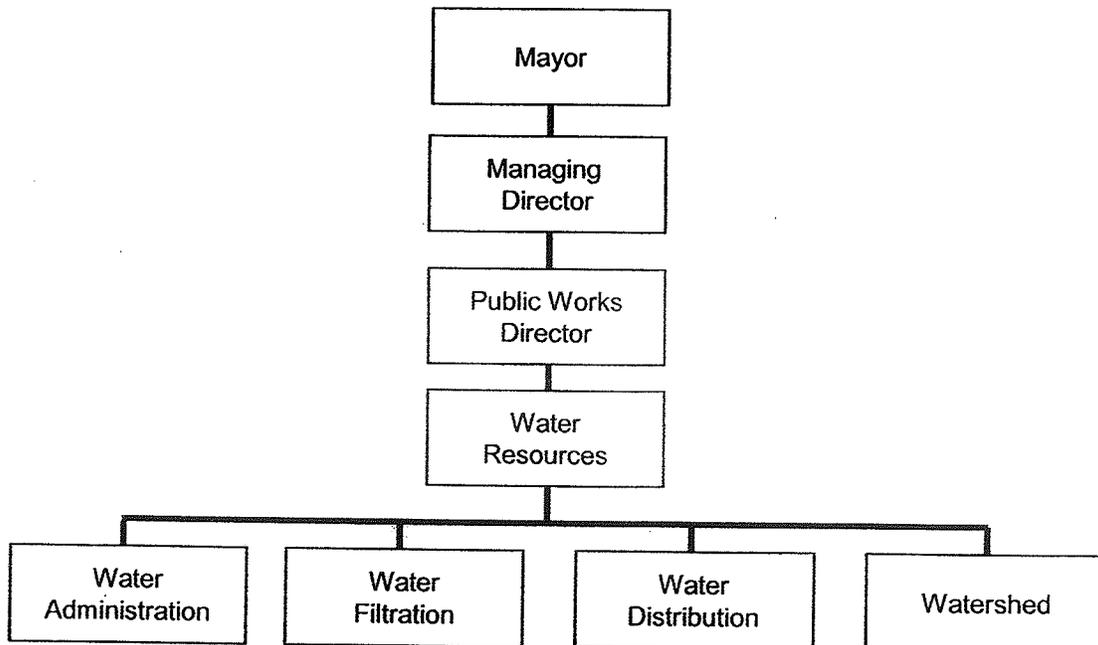
To provide, in accordance with regulatory requirements, and utilizing recognized operational, maintenance, and laboratory procedures, a safe and plentiful supply of drinking water. Similarly, to effectively maintain and support all related programs mandated under the Public Drinking Water Law and Amendments.

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)**

	2006 Actual	2007 Actual	2008 Actual	2009 Actual	2010 Final Budget	2010 Actual & Estimated	2011 Final Budget
Opening Balance - Cash Basis 12/31/2009					1,318,507	1,254,063
Revenues:							
3230 Metered Water Sales	12,035,452	11,898,271	11,586,359	11,309,712	12,705,000	11,900,000	11,900,000
3232 Penalties & Interest	198,929	182,871	233,101	239,359	200,000	215,000	200,000
3334 Other Water Sales	1,730,373	1,752,103	1,647,273	1,553,504	1,600,000	1,750,000	2,100,000
3338 Fire Hydrant Standby Charges	82,340	63,436	63,890	61,950	75,000	62,000	70,000
3339 Tapping Fees	-	102,334	34,898	40,598	50,000	158,000	50,000
3341 Grant	4,328	2,126	-	-	8,000	-	-
3343 State Aid for Pension	42,935	40,922	64,183	52,117	48,692	58,699	52,244
3340 Interest Income	126,849	105,831	44,805	21,084	40,000	6,000	8,000
3342 Miscellaneous	93,574	43,426	39,183	115,310	50,000	58,250	56,500
Total Revenue	14,314,780	14,191,320	13,713,692	13,393,634	14,776,692	14,207,949	14,436,744
Total Funds Available					15,526,456	15,690,807
Expenditures:							
02 Permanent Wages	3,044,688	3,437,905	3,614,564	3,674,673	3,897,301	3,692,767	3,911,118
<i>Vacancy Factor</i>					<i>(100,000)</i>	<i>(50,000)</i>	
04 Temporary Wages	24,437	36,180	32,016	68,043	80,967	75,894	131,326
06 Premium Pay	168,304	197,623	228,377	234,029	268,000	271,912	286,900
11 Shift Differential	7,170	9,537	9,501	13,208	13,675	13,583	16,675
12 FICA	245,064	279,766	294,674	301,972	325,886	310,143	332,470
14 Pension	76,290	169,318	215,122	184,848	178,686	178,686	214,246
16 Insurance - Employee Group	1,048,872	1,111,781	1,153,408	1,086,879	1,122,520	1,122,520	1,059,665
Total Personnel	4,614,825	5,242,110	5,547,662	5,563,652	5,787,035	5,615,505	5,952,400
20 Electric Power	550,819	559,135	555,712	537,845	698,472	642,125	922,575
22 Telephone	5,948	9,099	7,118	11,514	1,500	1,228	1,500
24 Postage & Shipping	447	90	357	550	500	628	1,000
26 Printing	2,632	2,638	14,884	16,560	23,750	23,519	23,750
30 Rentals	16,250	6,095	17,280	8,254	39,800	31,007	60,300
32 Publications & Memberships	7,841	9,265	7,438	7,415	10,000	8,788	10,000
34 Training & Professional Development	10,152	21,491	12,917	4,452	17,300	9,979	17,925
42 Repairs & Maintenance	66,475	175,978	191,472	74,698	140,200	84,692	114,250
44 Professional Service Fees	35,112	17,953	21,195	36,349	63,000	48,000	-
46 Contract/Service Fees	192,435	182,800	211,860	225,808	226,496	238,161	440,181
50 Other Services & Charges	3,970	2,448	3,961	4,011	5,700	2,309	65,700
Total Services & Charges	892,081	986,992	1,044,194	927,456	1,226,718	1,090,436	1,657,181
54 Repair & Maintenance Supplies	239,933	205,987	223,939	112,095	281,900	265,390	297,400
56 Uniforms	10,879	11,690	13,816	10,599	15,700	12,806	15,700
58 Office Supplies	7,445	12,959	11,822	12,375	11,600	9,024	100
62 Fuels, Oils & Lubricants	112,289	156,662	149,120	93,191	222,650	197,830	231,983
64 Pipe & Fittings	254,450	331,366	303,480	339,307	343,800	328,134	385,000
66 Chemicals	133,289	124,776	188,927	225,715	307,100	280,206	395,970
68 Operating Materials & Supplies	38,879	41,778	61,470	36,678	65,000	51,555	80,500
Total Materials & Supplies	797,164	885,218	952,574	829,960	1,247,750	1,144,945	1,406,653
72 Equipment	306,504	248,398	120,023	235,419	239,500	194,274	360,330
Total Capital Outlays	306,504	248,398	120,023	235,419	239,500	194,274	360,330
76 Construction Contracts	86,332	10,000	208,393	60,122	270,000	70,000	20,000
82 Interest Expense	1,242,805	1,032,843	846,542	756,879	790,030	790,030	648,484
84 Capital Fund Contribution	-	800,000	675,000	400,000	172,000	172,000	200,000
86 General City Charges	1,700,247	1,785,259	1,744,210	1,831,421	1,927,732	1,927,732	2,029,111
88 Interfund Transfers	450,000	450,000	483,332	485,000	485,000	485,000	485,000
90 Refunds	7,585	12,585	7,406	1,021	8,500	1,371	8,000
92 Minimum Charge Rebates	3,239	2,441	2,352	1,574	3,000	500	3,000
98 Debt Principal	4,320,000	2,862,600	2,670,200	2,370,200	2,476,600	2,476,600	2,395,400
99 Reserve for Encumbrances	138,346	145,459	413,255	131,428	-	304,000	-
Total Sundry	7,948,554	7,101,187	7,050,690	6,037,645	6,132,862	6,227,233	5,788,995
Total Expenditures	14,559,128	14,463,905	14,715,143	13,594,132	14,633,865	14,272,393	15,165,559
Closing Balance					1,254,063	525,248

**WATER REVENUE BONDS
AMORTIZATION SCHEDULE**

SERIES OF 2001			SERIES OF 2003	
YEAR	PRINCIPAL	INTEREST	PRINCIPAL	INTEREST
2011	975,000.00	300,315.00	80,000.00	32,957.50
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	-	-	-	-
TOTAL	6,005,000.00	1,073,325.00	840,000.00	180,257.50

SERIES OF 2004			SERIES OF 2006 NOTE		SERIES OF 2008	
YEAR	PRINCIPAL	INTEREST	PRINCIPAL	INTEREST	PRINCIPAL	INTEREST
2011	135,000.00	71,423.76	380,400.00	63,259.67	820,000.00	92,448.76
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	-	-	-	-
TOTAL	1,910,000.00	538,310.04	1,620,600.00	161,408.49	2,980,000.00	253,291.30

**WATER REVENUE BONDS
AMORTIZATION SCHEDULE**

TOTAL DEBT SERVICE

<u>YEAR</u>	<u>PRINCIPAL</u>	<u>INTEREST</u>	<u>TOTAL</u>
2011	2,390,400.00	560,404.69	2,950,804.69
2012	2,489,000.00	465,946.02	2,954,946.02
2013	2,386,600.00	361,446.03	2,748,046.03
2014	1,999,600.00	257,549.33	2,257,149.33
2015	1,630,000.00	175,048.76	1,805,048.76
2016	540,000.00	104,547.50	644,547.50
2017	385,000.00	83,587.50	468,587.50
2018	395,000.00	67,587.50	462,587.50
2019	380,000.00	50,665.00	430,665.00
2020	285,000.00	33,882.50	318,882.50
2021	195,000.00	21,252.50	216,252.50
2022	90,000.00	12,182.50	102,182.50
2023	95,000.00	8,312.50	103,312.50
2024	95,000.00	4,180.00	99,180.00
TOTAL	13,355,600.00	2,206,592.33	15,562,192.33

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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

		2006	2007	2008	2009	2010	2010	2011	
		Actual	Actual	Actual	Actual	Final	Actual &	Final	
		Number of Permanent Positions				#	Salaries	#	Salaries
						#	Salaries	#	Salaries
Personnel Detail									
Total Positions		-	-	-	-	-	-	-	
Account Detail									
0001-44	Prof Services Fees	15,532	15,468	12,895	9,675	18,000	18,000	-	
0001-46	Contract/Service Fees	-	-	-	-	-	-	18,000	
	Services & Charges	15,532	15,468	12,895	9,675	18,000	18,000	18,000	
0001-82	Interest Expense	1,242,805	1,032,843	846,542	756,879	790,030	790,030	648,484	
0001-84	Capital Fund Contribution	-	800,000	-	-	-	-	-	
0001-86	General City Charges	1,700,247	1,785,259	1,744,210	1,831,421	1,927,732	1,927,732	2,029,111	
0001-88	Interfund Transfers	450,000	450,000	483,332	485,000	485,000	485,000	485,000	
0001-98	Debt Principal	4,320,000	2,862,600	2,670,200	2,370,200	2,476,600	2,476,600	2,395,400	
	Sundry	7,713,052	6,930,702	5,744,284	5,443,500	5,679,362	5,679,362	5,557,995	
Total	Utility Administration	7,728,584	6,946,170	5,757,179	5,453,175	5,697,362	5,697,362	5,575,995	

PROGRAM DETAIL

Bureau: Engineering	No: 03-2721	Department: Public Works	Program: Water Administration	No: 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.

Impact/Output Measures	2007 Actual	2008 Actual	2009 Actual	2010 Estimated	2011 Budgeted
Water main design	12	15	14	14	10
Miscellaneous design	3	4	2	2	3
Subdivision Review (Major Only)	38	18	10	13	15
Flow tests/Hydraulic analyses	14	12	9	14	10
Review reports	1	1	1	0	1
Cost estimates	3	3	6	6	5
Assessment Ordinances	0	0	0	0	0
Water connection permits	57	20	28	30	30
PA One Calls Processed			2681	3650	4200
PennDOT HOP			30	30	30
Inquiries regarding permits, regulations, etc. for water system	600	500	403	400	400

**CITY OF ALLENTOWN
PROGRAM BUDGET
RESOURCE REQUIREMENTS**

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

Personnel Detail	2006	2007	2008	2009	2010		2010		2011	
	Actual	Actual	Actual	Actual	Final Budget	Salaries	Actual & Estimated	Salaries	Final Budget	Salaries
	Number of Permanent Positions				#	Salaries	#	Salaries	#	Salaries
21N Director of Public Works	-	-	0.2	0.2	0.2	17,623	0.2	17,616	0.2	17,820
18N Deputy Director of Public Works	-	-	0.3	0.3	0.3	24,812	0.3	16,107	-	-
18N Manager of Engineering/City Eng	-	0.2	-	-	-	-	-	-	-	-
16N Asst City Engineer/Sr. Civil Engr	-	0.1	0.3	0.3	0.3	22,862	0.3	22,852	0.3	23,156
14N Senior GIS Coord	1.0	1.0	-	-	-	-	-	-	-	-
10N Engineering Technician 3	1.0	1.0	1.0	1.0	1.0	51,896	1.0	51,874	1.0	52,416
09N Administrative Supervisor	1.0	1.0	1.0	1.0	1.0	46,274	1.0	46,251	1.0	46,860
09N Survey Tech 3	-	-	1.0	1.0	1.0	49,115	1.0	49,094	1.0	49,676
07N Executive Secretary	1.0	1.0	1.0	1.0	1.0	41,600	1.0	41,578	1.0	42,146
06N Engineering Designer	1.0	1.0	-	-	-	-	-	-	-	-
15M Construction Technican	1.0	1.0	1.0	-	-	-	-	-	-	-
Total Positions	6.0	6.3	5.8	4.8	4.8		4.8		4.5	
Account Detail										
0002-02 Permanent Wages	254,359	292,892	266,354	275,788		254,182		245,372		232,074
0002-06 Premium Pay	723	921	65	58		1,500		1,030		1,500
0002-11 Shift Differential	22	45	-	-		100		61		100
0002-12 FICA	18,692	22,020	20,209	20,935		19,567		18,854		17,876
0002-14 Pension	5,241	11,561	13,359	11,357		10,162		10,162		11,329
0002-16 Insurance - Employee Group	72,336	75,802	98,010	71,311		63,840		63,840		63,675
Personnel	351,373	403,241	397,997	379,449		349,351		339,319		326,554
0002-22 Telephone	-	1,015	-	-		-		-		-
0002-24 Postage & Shipping	66	24	-	-		-		-		-
0002-26 Printing	481	370	444	-		500		500		500
0002-32 Publications & Memberships	5,962	6,271	5,941	5,303		6,500		6,500		6,500
0002-34 Training & Prof. Develop	5,267	6,608	1,943	100		1,000		500		1,000
0002-42 Repairs & Maintenance	3,829	4,675	4,479	2,265		3,200		1,362		3,000
0002-44 Prof Services Fees	19,580	-	2,300	23,894		30,000		30,000		-
0002-46 Contract/Service Fees	6,332	3,211	6,392	5,935		6,500		5,450		36,500
0002-50 Other Services & Charges	1,408	1,268	2,457	1,448		2,500		1,000		2,500
Services & Charges	42,925	23,442	23,956	38,945		50,200		45,312		50,000
0002-56 Uniforms	692	644	860	1,133		1,200		1,045		1,200
0002-58 Office Supplies	5,405	9,919	8,607	8,564		7,500		5,175		-
0002-62 Fuels, Oils, & Lbricants	-	16,073	-	-		-		-		-
0002-68 Operating Materials & Supp	21	1,286	540	-		4,000		4,000		11,500
Materials & Supplies	6,118	27,922	10,007	9,697		12,700		10,220		12,700
0002-72 Equipment	-	-	-	4,359		-		-		40,000
Capital Outlay	-	-	-	4,359		-		-		40,000
0002-90 Refunds	310	6,801	410	-		1,500		1,000		1,000
0002-99 Prior Years Commitments	13,864	19,355	18,584	-		-		-		-
Sundry	14,174	26,156	18,994	-		1,500		1,000		1,000
Total	414,590	480,761	450,954	432,450		413,751		395,851		430,254

PROGRAM DETAIL

Bureau: Water Filtration	No: 03-2723	Department: Public Works	Program: Operations	No: 0001
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Program Description:

This program includes operation, maintenance, and laboratory activities for the proper treatment, testing, and pumping that are required in order to provide the highest quality potable water supply possible. Maintenance includes preventative activities and repair/replacement of all defective water plant equipment, reservoir storage facilities, raw water intakes and booster pump stations to ensure uninterrupted service to the customers. These facilities are operated 24/7, under all kinds of adverse weather conditions. Laboratory testing includes plant process analyses, distribution system monitoring, and watershed water quality testing to ensure that high quality potable water is produced, and that it meets all state and federal requirements prior to being served to all customers. This program responds to customer inquiries and complaints about water quality.

Goal(s):

This program will provide high-quality water in sufficient quantity 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.

Measurable Budget Year Objectives and Long Range Targets:

- To meet all existing regulations, including all new and stricter requirements of the Safe Drinking Water Act (SDWA). The city will strive to meet all regulatory limits of all potable water contaminants. All exceptions, if any, will be presented to all customers in the annual Consumer Confidence Report (CCR).
- To continue implementation of the Computerization and Automation Master Plan.
- To continue to evaluate and replace outdated equipment in the water plant, potable water storage tanks and reservoirs, and the distribution system.
- To update testing procedures to comply with accepted methodologies.
- To maintain the bacteriological laboratory and chemistry lab certifications with PaDEP.
- To develop the computerization of routine lab and management functions and increase productivity.
- To continue developing a watershed protection program aimed at reducing pollutants in the raw water sources, and to detect where problems might be occurring.
- To stay actively involved with local watershed groups.
- To continue upgrading the operational controls, electrical equipment, lightning suppression, etc., at the pressure booster pump stations, storage reservoirs, and raw water intakes.
- To 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.

Impact/Output Measures	2007 Actual	2008 Actual	2009 Actual	2010 Estimated	2011 Budgeted
Number of gallons of water processed (to system)	5.38BG	5.40BG	5.19 BG	5.27BG	6.00 BG
Number of gallons of water filtered	1.55BG	1.55BG	1.44 BG	1.34BG	2.07 BG
Number of major equipment breakdowns	0	0	0	0	0
Number of tests conducted (water)	27,000	27,000	27,500	27,000	27,000
Number of complaints answered	8	8	8	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	2006	2007	2008	2009	2010		2010		2011	
	Actual	Actual	Actual	Actual	Final	Actual &	Estimated	Final	Final	Budget
	Number of Permanent Positions				#	Salaries	#	Salaries	#	Salaries
21N Director of Public Works	-	0.1	0.1	0.1	0.1	8,811	0.1	8,808	0.1	8,910
14N Laboratories Manager	1.0	1.0	1.0	1.0	1.0	63,362	1.0	50,625	1.0	57,756
13N Water Filtration Chief TPO	1.0	1.0	1.0	1.0	1.0	68,094	1.0	68,063	1.0	68,770
11N Maintenance Supervisor	1.0	1.0	1.0	1.0	1.0	62,224	1.0	62,208	1.0	62,842
10N APP Support Pgr/Coord	1.0	1.0	1.0	1.0	1.0	57,590	1.0	57,560	1.0	58,136
16M Treatment Plant Operator 5	-	1.0	-	-	-	-	-	-	-	-
14M Treatment Plant Operator 2	1.0	4.0	4.0	4.0	4.0	191,844	4.0	179,543	4.0	175,818
14M Environmental Technician	1.0	1.0	1.0	1.0	1.0	49,415	1.0	49,521	1.0	50,550
14M Instrument Technician	1.0	1.0	1.0	1.0	1.0	49,425	1.0	49,415	1.0	50,586
14M Treatment Plant Operator 1	3.0	3.0	3.0	3.0	3.0	130,156	3.0	121,303	3.0	123,864
13M Lab Technician	2.0	2.0	2.0	2.0	2.0	96,048	2.0	91,085	2.0	85,872
13M Tradesman-Electrician	1.0	1.0	1.0	1.0	1.0	48,800	1.0	41,059	1.0	48,571
13M Treatment Plant Operator 2	3.0	-	-	-	-	-	-	-	-	-
13M Tradesman	-	-	-	3.0	3.0	141,900	3.0	142,398	3.0	146,357
11M Maintenance Mechanic 'A'	-	-	-	-	1.0	41,273	1.0	18,477	1.0	33,016
09M Maintenance Mechanic 2	5.0	5.0	5.0	1.0	1.0	44,110	1.0	44,111	1.0	45,160
08M Clerk 3	1.0	1.0	1.0	1.0	1.0	43,256	1.0	44,226	1.0	44,190
06M MW1Custodial	-	-	-	1.0	1.0	37,489	1.0	37,734	1.0	39,253
Total Positions	22.0	23.1	22.1	22.1	23.1		23.1		23.1	
Account Detail										
0001-02 Permanent Wages	766,956	865,638	902,073	1,018,384		1,133,797		1,066,136		1,099,651
0001-04 Temporary Wages	1,978	6,852	5,220	5,461		8,000		7,800		8,000
0001-06 Premium Pay	83,264	86,602	112,537	125,543		130,000		128,854		133,900
0001-11 Shift Differential	4,933	5,773	6,413	9,746		9,000		8,958		11,000
0001-12 FICA	66,170	73,396	77,800	87,387		97,981		92,699		95,820
0001-14 Pension	20,831	40,556	50,902	45,233		48,906		48,906		58,156
0001-16 Insurance - Employee Group	265,232	265,907	266,438	271,720		307,230		307,230		286,015
Personnel	1,229,364	1,344,724	1,421,383	1,563,474		1,734,914		1,660,583		1,692,542
0001-20 Electric Power	515,523	523,250	521,237	500,000		652,500		599,422		867,825
0001-22 Telephone	3,000	3,921	2,920	8,849		1,500		1,228		1,500
0001-24 Postage and Shipping	381	66	357	550		500		628		500
0001-26 Printing	-	-	-	-		250		100		250
0001-30 Rentals	3,684	4,920	4,138	4,692		5,500		4,866		15,500
0001-32 Publications & Memberships	1,302	1,498	1,159	1,629		2,000		1,622		2,000
0001-34 Training & Prof. Develop	1,511	8,289	5,952	1,861		8,500		3,470		8,925
0001-42 Repairs & Maintenance	50,490	161,756	174,796	60,136		123,200		59,505		88,200
0001-44 Prof. Services Fees	-	2,485	6,000	-		15,000		-		-
0001-46 Contract/Service Fees	169,110	165,307	174,996	173,884		186,496		190,640		152,181
0001-50 Other Services & Charges	2,250	205	1,192	2,205		2,200		809		62,200
Services & Charges	747,251	871,697	892,747	753,806		997,646		862,290		1,199,081
0001-54 Repair & Maint Supplies	50,534	47,569	57,800	40,009		75,000		60,250		75,000
0001-56 Uniforms	2,429	3,215	3,092	2,662		5,000		2,792		5,000
0001-58 Office Supplies	561	1,609	1,685	1,868		2,000		1,897		-
0001-62 Fuels, Oils, & Lubricants	100,510	115,825	115,313	68,271		181,350		157,025		187,918
0001-64 Pipe & Fittings	14,454	12,686	11,593	16,572		16,000		12,605		14,000
0001-66 Chemicals	130,365	121,694	181,916	207,353		283,100		258,251		374,970
0001-68 Operating Materials & Supp	27,583	23,312	26,025	28,038		34,000		20,050		36,000
Materials & Supplies	326,436	325,910	397,424	364,773		596,450		512,870		692,888
0001-72 Equipment	64,625	54,506	32,922	64,494		109,000		74,271		111,830
0001-76 Construction Contracts	-	-	-	-		-		-		-
Capital Outlay	64,625	54,506	32,922	64,494		109,000		74,271		111,830
0001-84 Capital Fund Contribution	-	-	250,000	200,000		-		-		-
0001-99 Reserve for Encumbrances	22,416	116,532	129,264	65,039		-		-		-
Sundry	22,416	116,532	379,264	265,039		-		-		-
Total Operations	2,390,092	2,713,369	3,123,740	3,011,586		3,438,010		3,110,014		3,696,341

PROGRAM DETAIL

Bureau: Distribution & Collection	No: 03-2727	Department: Public Works	Program: Construction & Maintenance	No: 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	2007 Actual	2008 Actual	2009 Actual	2010 Estimated	2011 Budgeted
New/re-laid mains (ft)	4,280	4,000	4,900	3,400	4,000
New/replacement services	127	200	117	75	200
Complaints checked	2,310	2,000	1,949	2,200	2,500
Test & flow hydrants	1,800	1,800	646	500	1,800
Repair/replace hydrants	97	75	88	40	100
Clean casing/operate valves	1,140	1,500	942	900	1,800
Repair/replace broken valves	41	50	14	12	75
Service leaks	100	150	100	100	100
Miles of piping surveyed	325	200	160	15	350
Main breaks	29	25	25	25	30
Install, repair and exchange all meters	1,225	1,200	751	750	1,200
Leak Survey water saved (Millions of gallons)	27	30	15	0.4	25
PA One call requests	2,718	2,500	1,579	3,000	2,500
Snow Hours	1,500		939	3,500	1,500

**CITY OF ALLENTOWN
PROGRAM BUDGET
RESOURCE REQUIREMENTS**

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

Personnel Detail	2006	2007	2008	2009	2010	2010	2010	2010	2011	
	Actual	Actual	Actual	Actual	Final Budget	Actual & Estimated	Final Budget	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	64,334	1.0	37,110	1.0	70,772
11N Maintenance Supervisor	1.0	1.0	1.0	1.0	1.0	59,072	1.0	59,887	1.0	59,644
10N Operations Manager	-	-	-	-	-	-	-	-	1.0	56,100
09N Office Manager	1.0	1.0	1.0	1.0	1.0	52,074	1.0	50,071	-	-
15M Equipment Operator 5	1.0	1.0	1.0	1.0	1.0	51,358	1.0	51,367	1.0	52,492
14M Construction Technican	1.0	1.0	1.0	1.0	1.0	50,086	1.0	40,357	1.0	37,284
14M Equipment Operator 4	1.0	1.0	1.0	1.0	1.0	50,086	1.0	26,367	1.0	47,144
13M Tradesman-Plumber	1.0	1.0	1.0	1.0	1.0	47,736	1.0	47,629	1.0	48,894
13M Tradesman	-	4.0	4.0	3.0	3.0	141,232	3.0	144,580	3.0	145,626
12M Tradesman	3.0	-	-	-	-	-	-	-	-	-
11M Water Meter Repairman	1.0	1.0	1.0	1.0	1.0	46,424	1.0	46,423	1.0	47,438
10M Tradesman	2.0	1.0	1.0	-	-	-	-	-	-	-
10M Water Meter Installer	3.0	3.0	3.0	2.0	2.0	88,816	2.0	88,764	2.0	90,920
09M Maintenance Mechanic 2	1.0	1.0	1.0	-	-	-	-	-	-	-
09M Equipment Operator 2	1.0	1.0	1.0	1.0	1.0	43,030	1.0	43,132	1.0	44,061
08M Clerk 3	1.0	1.0	1.0	1.0	1.0	42,056	1.0	42,054	1.0	43,053
08M Inventory Control Clerk	1.0	1.0	1.0	1.0	1.0	42,056	1.0	42,054	1.0	43,053
08M Maintenance Worker 2	10.0	10.0	10.0	8.0	8.0	312,381	8.0	301,247	8.0	320,863
08M Line Loc/Water Met Rd	1.0	1.0	1.0	1.0	1.0	43,256	1.0	43,255	1.0	44,190
06M Clerk 2	1.0	1.0	2.0	2.0	2.0	81,339	2.0	74,199	2.0	73,074
06M Maintenance Worker 1	3.0	3.0	2.0	2.0	2.0	82,339	2.0	82,251	2.0	84,274
06M Radio Operator	1.0	1.0	1.0	1.0	1.0	41,087	1.0	41,076	1.0	42,046
Total Positions	36.0	36.0	36.0	30.0	30.0		30.0		30.0	

Account Detail

0001-02 Permanent Wages	1,253,367	1,279,019	1,356,999	1,302,543	1,338,762	1,261,823	1,350,928
0001-04 Temporary Wages	6,740	6,234	5,710	14,946	18,640	13,800	18,640
0001-06 Premium Pay	57,034	72,807	58,092	67,442	90,000	89,119	95,000
0001-11 Shift Differential	1,475	2,471	1,926	2,320	3,000	2,989	4,000
0001-12 FICA	100,017	103,540	107,811	104,889	110,956	104,631	112,345
0001-14 Pension	32,348	66,064	82,916	70,493	63,514	63,514	75,527
0001-16 Insurance - Employee Group	434,016	433,152	434,016	393,440	399,000	399,000	366,450
Personnel	1,884,997	1,963,287	2,047,470	1,956,073	2,023,872	1,934,876	2,022,891
0001-20 Electric Power	14,920	13,665	15,774	16,642	23,022	19,753	30,000
0001-22 Telephone	2,113	3,086	2,800	1,974	-	-	-
0001-24 Postage	-	-	-	-	-	-	500
0001-26 Printing	2,151	2,268	2,220	2,022	3,000	2,919	3,000
0001-30 Rentals	11,221	-	10,000	1,600	30,000	21,500	40,000
0001-32 Publications & Memberships	577	1,496	338	483	1,500	666	1,500
0001-34 Training & Prof. Develop	2,928	5,632	5,022	1,926	7,000	5,209	7,000
0001-42 Repairs & Maintenance	9,407	7,592	9,869	9,562	10,000	20,025	19,250
0001-46 Contract/Service Fees	13,684	13,432	18,883	5,794	8,500	7,371	108,500
0001-50 Other Services & Charges	312	975	312	358	1,000	500	1,000
Services & Charges	57,313	48,146	65,218	40,361	84,022	77,943	210,750
0001-54 Repair & Maint Supplies	160,182	134,399	127,641	48,520	175,000	173,140	187,000
0001-56 Uniforms	3,863	4,000	3,430	3,028	5,000	4,369	5,000
0001-58 Office Supplies	1,400	1,353	1,530	1,943	2,000	1,852	-
0001-62 Fuels, Oils, & Lbricants	7,187	14,654	20,150	12,773	15,300	14,405	16,065
0001-64 Pipe & Fittings	239,210	318,183	291,280	322,172	325,000	310,229	365,000
0001-66 Chemicals	289	213	71	86	1,000	955	1,000
0001-68 Operating Materials & Supp	1,388	2,918	2	94	4,000	3,255	6,000
Materials & Supplies	413,519	475,720	444,104	388,616	527,300	508,205	580,065
0001-72 Equipment	122,990	119,765	87,101	57,507	30,000	19,683	70,000
Capital Outlay	122,990	119,765	87,101	57,507	30,000	19,683	70,000
0001-76 Construction Contracts	69,507	-	190,524.00	46,167.00	250,000	50,000	-
0001-84 Capital Contributions	-	-	425,000	200,000	172,000	172,000	200,000
0001-90 Refunds	7,275	5,784	6,996	1,021	7,000	371	7,000
0001-92 Minimum Charge Rebates	3,239	2,441	2,352	1,574	3,000	500	3,000
0001-99 Prior Years Commitments	95,686	7,053	265,407	66,389	-	-	-
Sundry	175,707	15,278	890,279	315,151	432,000	222,871	210,000

Total	Construction & Maint.	2,654,526	2,622,196	3,534,172	2,757,708	3,097,194	2,763,578	3,093,706
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PROGRAM DETAIL

Bureau: Water Shed (Lehigh Parkway)	No: 08-2722	Department: Parks and Recreation	Program: Grounds Maintenance	No: 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 (fish hatchery 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 at the rate of one hundred (100) per year.
- 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 Parkway Lights.
- Create riparian buffers in specified areas to meet best management practice requirements.
- Upgrade disc golf with amenities and adjust course for year around play.
- Acquire abandoned railways and continue increasing and improving bikeways.

Impact/Output Measures	2007 Actual	2008 Actual	2009 Actual	2010 Estimated	2011 Projected
Acres of turf 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	525
Debris pick-up (loads)	550	550	550	550	550
Number of seedlings planted	700	700	700	700	700
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	150	150
Number of trees planted	150	150	150	200	200
Wood chip production; dump truck loads	90	90	90	90	90

**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	2006	2007	2008	2009	2010		2010		2011	
	Actual	Actual	Actual	Actual	Final Budget	Salaries	Actual & Estimated	Salaries	Final Budget	Final Budget
	Number of Permanent Positions				#	Salaries	#	Salaries	#	Salaries
16N Parks Superintendent	-	0.5	0.5	0.5	0.5	31,525	0.5	31,508	0.5	31,824
11N Maint Supervisor	1.0	1.0	1.0	1.0	1.0	55,455	1.0	61,045	1.0	61,672
10N Arbor Foreperson	-	-	-	-	1.0	47,858	1.0	42,786	1.0	51,064
08N Maint Foreperson	1.0	1.0	1.0	1.0	1.0	45,000	1.0	39,157	1.0	44,780
16M Tree Inspector	-	-	-	-	-	-	-	-	1.0	38,513
14M Equipment Operator 4	1.0	1.0	1.0	1.0	1.0	50,086	1.0	50,178	1.0	51,180
13M Tradesman Plumber	-	1.0	1.0	1.0	1.0	47,898	1.0	47,896	1.0	49,052
11M Arborist II	1.0	1.0	1.0	2.0	2.0	87,697	1.0	50,066	1.0	47,438
10M Maintenance Worker 3	1.0	1.0	3.0	4.0	4.0	180,377	4.0	180,560	4.0	184,506
09M Arborist 1	1.0	1.0	1.0	-	-	-	1.0	18,288.0	1.0	40,610
08M Maintenance Worker 2	8.0	12.0	10.0	9.0	9.0	379,776	9.0	370,180	9.0	388,261
06M Maintenance Worker 1PPT	1.0	1.0	1.0	1.0	-	-	-	-	-	-
06M Maintenance Worker 1	7.0	7.0	8.0	4.0	5.0	201,632	5.0	184,517	5.0	195,375
Total Positions	22.0	27.0	28.0	24.0	25.5		25.5		26.5	
Account Detail										
0001-02 PERMANENT WAGES	713,453	962,270	1,049,928	1,036,913		1,127,304		1,076,181		1,184,275
0001-04 TEMPORARY WAGES	15,719	23,094	21,086	47,636		54,327		54,294		104,686
0001-06 PREMIUM PAY	25,532	35,934	56,649	40,134		45,000		51,409		55,000
0001-11 SHIFT DIFFERENTIAL	716	1,217	1,126	1,128		1,500		1,500		1,500
0001-12 FICA	57,253	77,790	85,780	85,562		93,952		90,529		102,928
0001-14 PENSION	17,067	49,548	65,642	55,807		53,987		53,987		66,716
0001-16 INSURANCE - EMPLOYEE GRP	265,232	324,864	342,912	338,113		339,150		339,150		331,525
Personnel	1,094,972	1,474,717	1,623,123	1,605,293		1,715,220		1,667,050		1,846,630
0001-20 ELECTRIC POWER	15,126	16,707	12,085	14,075		16,200		16,200		18,000
0001-22 TELEPHONE	835	1,077	1,398	691		-		-		-
0001-26 PRINTING	-	-	12,220	14,538		20,000		20,000		20,000
0001-30 RENTALS	268	572	1,938	1,962		2,500		2,841		3,000
0001-34 TRAINING & PROF. DEVELOP	446	962	-	565		800		800		1,000
0001-42 REPAIRS & MAINTENANCE	2,011	902	1,062	1,180		2,000		2,000		2,000
0001-44 PROFESSIONAL SERVICE FEES	-	-	-	2,780		-		-		-
0001-46 CONTRACT/SERVICE FEES	3,309	850	11,589	40,195		25,000		34,700		125,000
Services & Charges	21,995	21,070	40,292	75,986		66,500		76,541		169,000
0001-54 REPAIR & MAINT SUPPLIES	28,088	23,426	37,530	23,566		30,400		30,400		30,400
0001-56 UNIFORMS	3,895	3,831	6,434	3,776		4,500		4,600		4,500
0001-58 OFFICE SUPPLIES	79	78	-	-		100		100		100
0001-62 FUELS, OILS & LUBRICANTS	3,381	8,779	10,985	9,547		18,000		18,400		20,000
0001-64 PIPE & FITTINGS	786	497	607	563		2,800		5,300		6,000
0001-66 CHEMICALS	2,635	2,869	6,940	18,276		23,000		21,000		20,000
0001-68 OPERATING MATERIALS & SUPP	9,695	14,176	31,733	8,026		18,000		19,250		22,000
Materials & Supplies	48,559	53,656	94,229	63,754		96,800		99,050		103,000
0001-72 EQUIPMENT	118,889	74,127	-	109,059		100,500		100,320		138,500
Capital Outlays	118,889	74,127	-	109,059		100,500		100,320		138,500
0001-76 CONSTRUCTION CONTRACTS	16,825	10,000	17,869	13,955		20,000		20,000		20,000
0001-99 PRIOR YEARS COMMITMENTS	6,112	2,519	-	-		-		-		-
Sundry	22,937	12,519	17,869	13,955		20,000		20,000		20,000
Total GROUNDS MAINTENANCE	1,307,352	1,636,089	1,775,513	1,868,047		1,999,020		1,962,961		2,277,130

PROGRAM DETAIL

Bureau: Water Shed (Lehigh Parkway)	No: 08-2722	Department: Parks and Recreation	Program: Fish Hatchery Operation	No: 0002
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Program Description:

The Fish Hatchery program maintains fifteen (15) fish hatchery 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 our streams. Continue to provide tours to school children and general public.

Measurable Budget Year Objectives and Long Range Targets:

- Assure continued maintenance and upkeep of fifteen (15) fish hatchery 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 Fish Hatchery 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.

Impact/Output Measures	2007 Actual	2008 Actual	2009 Actual	2010 Estimated	2011 Budgeted
Number of ponds maintained	15	15	15	15	15
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	40,000
Number of trees in Arboretum	180	180	185	185	185

**CITY OF ALLENTOWN
PROGRAM BUDGET
RESOURCE REQUIREMENTS**

FUND 002 WATER
DEPT 08 PARKS AND RECREATION
BUREAU 2722 WATER-SHED
PROGRAM 0002 FISH HATCHERY OPERATION

		2006	2007	2008	2009	2010	2010	2011	
		Actual	Actual	Actual	Actual	Final	Actual &	Final	
		Number of Permanent Positions				#	Salaries	#	Salaries
						#	Salaries	#	Salaries
Personnel Detail									
08M	Maintenance Worker 2	1.0	1.0	1.0	1.0	1.0	43,256	1.0	43,255
	Total Positions	1.0	1.0	1.0	1.0	1.0		1.0	
Account Detail									
0002-02	PERMANENT WAGES	36,553	38,086	39,210	41,045		43,256		44,190
0002-06	PREMIUM PAY	1,751	1,359	1,034	852		1,500		1,500
0002-11	SHIFT DIFFERENTIAL	24	31	36	14		75		75
0002-12	FICA	2,932	3,020	3,074	3,199		3,430		3,501
0002-14	PENSION	803	1,589	2,303	1,958		2,117		2,518
0002-16	INSURANCE - EMPLOYEE GRP	12,056	12,056	12,032	12,295		13,300		12,000
	Personnel	54,119	56,141	57,689	59,363		63,678		63,784
0002-20	ELECTRIC POWER	5,250	5,513	6,616	7,128		6,750		6,750
0002-30	RENTALS	1,077	603	1,204	-		1,800		1,800
0002-42	REPAIRS & MAINTENANCE	738	1,053	1,266	1,555		1,800		1,800
	Services & Charges	7,065	7,169	9,086	8,683		10,350		10,350
0002-54	REPAIR & MAINT SUPPLIES	1,129	593	968	-		1,500		5,000
0002-62	FUELS, OILS & LUBRICANTS	1,211	1,331	2,672	2,600		8,000		8,000
0002-68	OPERATING MATERIALS & SUPP	192	86	3,170	520		5,000		5,000
	Materials & Supplies	2,532	2,010	6,810	3,120		14,500		18,000
0001-99	PRIOR YEARS COMMITMENTS	268	-	-	-		-		-
	Sundry	268	-	-	-		-		-
Total	FISH HATCHERY OPERATION	63,984	65,320	73,585	71,166		88,528		88,626

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