

**STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS  
PUBLIC UTILITIES COMMISSION**

**IN RE: CITY OF NEWPORT, UTILITIES DEPARTMENT, WATER  
DIVISION**

**APPLICATION TO CHANGE RATES**

**NOVEMBER 2, 2009**

**STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS  
PUBLIC UTILITIES COMMISSION**

**IN RE: CITY OF NEWPORT, UTILITIES DEPARTMENT, WATER DIVISION  
APPLICATION TO CHANGE RATE SCHEDULES**

**DOCKET NO.**

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\*ADMITTED TO PRACTICE IN  
RHODE ISLAND & MASSACHUSETTS

November 2, 2009

The Honorable Elia Germani, Chairman  
State of Rhode Island  
Public Utilities Commission  
89 Jefferson Boulevard  
Warwick, RI 02888

RE: City of Newport, Utilities Department, Water Division,  
Cost of Service Study Filing

Dear Chairman Germani:

On behalf of the City of Newport, Utilities Department, Water Division ("Newport Water"), enclosed you will find revised rate schedules, pursuant to a Cost of Service Study, which Newport Water proposes to place in effect in thirty (30) days. Through the enclosed Cost of Service Study, Newport Water proposes to change the existing rates it charges each of its customer classes. Newport Water's application does not seek an increase in its operating revenues.

We have included in our filing pre-filed testimony from three witnesses to be presented by Newport Water, as well as schedules and exhibits in support of the revised rates. Additionally, we have included information conforming to the mandates of R.I.G.L. §39-3-11. Additionally, pursuant to R.I.G.L. §39-3-12.1, Newport Water is providing a copy of its rate filing to the following communities:

- (1) The Town of Middletown;
- (2) The Town of Portsmouth;
- (3) The United States, Department of the Navy, Department of Public Works.

Please note that Newport Water has not submitted any documentation required under Part II of the Commission's Rules of Practice and Procedure as Newport's overall revenue requirements are not in issue.

Honorable Elia Germani, Chairman  
Rhode Island Public Utilities Commission  
November 2, 2009  
Page Two

As part of this filing, Newport Water has included a copy of the proposed notice to be published in the Providence Journal. We would respectfully ask that your staff immediately review the proposed notice so that it might be published within the period prescribed by law.

The following individuals should receive all correspondence for any additional information to be provided by the Public Utilities Commission: Julia Forgue, P.E., City of Newport, Director of Public Works, 70 Halsey Street, Newport, Rhode Island 02840; and Joseph A. Keough, Jr., Esquire, Keough & Sweeney, 100 Armistice Boulevard, Pawtucket, Rhode Island 02860. Joseph A. Keough, Jr. will act as legal counsel for Newport Water and will represent the utility in all matters concerning this rate application.

Thank you for your attention to these matters.

Sincerely,

Joseph A. Keough, Jr.

**STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS  
PUBLIC UTILITIES COMMISSION**

**IN RE: CITY OF NEWPORT, UTILITIES DEPARTMENT, WATER DIVISION  
APPLICATION TO CHANGE RATE SCHEDULES**

**DOCKET NO.**

**NOTICE OF PROPOSED CHANGES IN RATES**

In accordance with the Rhode Island Public Utilities Commission's Rules of Practice and Procedure and RIGL § 39-3-11, the City of Newport, Utilities Department, Water Division ("Newport Water") hereby gives notice of its proposed changes in rates. Newport Water proposes to change the existing rates it charges each of its customer classes through the filing of a Cost of Service Study. Said Cost of Service Study and the proposed changes are contained in the written testimony and exhibits attached hereto and incorporated herein. It should be noted that Newport Water's application does not seek an increase in its operating revenues.

Additionally, Newport Water respectfully represents that:

- (1) Newport Water is a department of the City of Newport with its principal place of business at 70 Halsey Street, Newport, RI;
- (2) Correspondence should be addressed to Julia A. Forgue, P.E., Chief Engineer, City of Newport, Utilities Department, Water Division, 70 Halsey Street, Newport, RI, 02840 and to Joseph A. Keough, Jr., 100 Armistice Boulevard, Pawtucket, Rhode Island 02860;
- (3) In accordance with the appropriate Rules and Regulations pursuant to RIGL §39-3-11, the accompanying documents contain data, information and testimony in support of said request;
- (4) Also submitted herewith are documents and statements in conformance with RIGL §39-3-12.1;
- (5) Attached hereto is information required by §1.5 of the Rules of Practice and Procedure for the Rhode Island Public Utilities Commission.

City of Newport, Utilities Department,  
Water Division,  
By its attorney,

---

Joseph A. Keough, Jr., Esquire  
KEOUGH & SWEENEY, Ltd.  
100 Armistice Boulevard  
Pawtucket, RI 02860  
(401) 724-3600 (phone)  
(401) 724-9909 (fax)  
[jkeoughjr@keoughsweeney.com](mailto:jkeoughjr@keoughsweeney.com)

**CERTIFICATION**

I, the undersigned, hereby certify that a true copy of the within was hand delivered to the Public Utilities Commission, 89 Jefferson Boulevard, RI 02888 and mailed via first class mail to the Department of Attorney General, 150 South Main Street, Providence, RI 02903 on the 2<sup>nd</sup> day of November, 2009.

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**STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS  
PUBLIC UTILITIES COMMISSION**

**IN RE: CITY OF NEWPORT, UTILITIES DEPARTMENT, WATER DIVISION  
APPLICATION TO CHANGE RATE SCHEDULES**

**DOCKET NO:**

**NOTICE OF FILING AND PROPOSED CHANGE IN RATE SCHEDULES**

On November 2, 2009 pursuant to Rhode Island General Laws § 39-3-11, the City of Newport, Utilities Department, Water Division ("Newport Water") hereby gives notice that it has filed with the Rhode Island Public Utilities Commission ("Commission") an application to change the existing rates it charges each of its customer classes through the filing of a Cost of Service Study. Newport Water's application does not seek an increase in its operating revenues.

The impact of Newport's request will vary based on customer classification. For a typical residential customer, the impact of this request will result in a decrease of \$18.20 per year or - 4.8%. The impact on all other customers will vary based on customer class. Please note that while Newport Water is requesting this change in rates, the Commission, after full investigation and hearings, may order a different revenue requirement and rate.

While the new rates are proposed to become effective December 2, 2009, the Commission can suspend the rates up to nine months from the proposed effective date. No rate change will take effect until the Commission has conducted a full investigation and hearing on the proposal. The Commission will publish a notice of the hearing dates when they are scheduled. Ratepayers may comment on the proposed rate increases at that time.

A copy of the application is on file for examination at the Newport Water's office and at the offices of the Public Utilities Commission, 89 Jefferson Boulevard, Warwick, Rhode Island. A copy of the filing was also provided to The Town of Portsmouth, The Town of Middletown and the United States Navy. A copy was also provided to the Rhode Island Attorney General's Department, Consumer Division. Subscriber billing statements will contain notice of this filing. Some larger subscribers will receive notice in their monthly billing and others in their regular billing.

City of Newport, Utilities Department, Water Division  
70 Halsey Street  
Newport, RI 02840

**STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS  
PUBLIC UTILITIES COMMISSION**

**IN RE: CITY OF NEWPORT, UTILITIES DEPARTMENT, WATER DIVISION  
APPLICATION TO CHANGE RATE SCHEDULES**

**DOCKET NO.**

**NOTICE TO CUSTOMERS OF THE CITY OF NEWPORT, UTILITIES DEPARTMENT,  
WATER DIVISION, OF FILING AND CHANGE IN RATE SCHEDULES**

On November 2, 2009 pursuant to Rhode Island General Laws § 39-3-11, the City of Newport, Utilities Department, Water Division ("Newport Water") hereby gives notice that it has filed with the Rhode Island Public Utilities Commission ("Commission") an application to change the existing rates it charges each of its customer classes through the filing of a Cost of Service Study. Newport Water's application does not seek an increase in its operating revenues.

The impact of Newport's request will vary based on customer classification. For a typical residential customer, the impact of this request will result in a decrease of \$18.20 per year or - 4.8%. The impact on all other customers will vary based on customer class. Please note that while Newport Water is requesting this change in rates, the Commission, after full investigation and hearings, may order a different revenue requirement and rate.

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City of Newport, Utilities Department, Water Division  
70 Halsey Street  
Newport, RI 02840



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RHODE ISLAND & MASSACHUSETTS

November 2, 2009

The Honorable Town Council  
Town of Middletown  
c/o City Clerk  
350 East Main Road  
Middletown, RI 02842

RE: Proposed Rate Change  
City of Newport - Utilities Department -Water Division

Honorable Council Members:

Please be advised that the City of Newport, Utilities Department, Water Division ("Newport Water") will be filing for rate changes with the Rhode Island Public Utilities Commission on November 2, 2009. Enclosed you will find a copy of the documents being filed.

Additionally, in conformance with RIGL §39-3-12.1, enclosed with the filing you will find copies of Newport Water's compliance with the particulars of that provision.

Thank you for your attention to this these matters.

Sincerely,

Joseph A. Keough, Jr.  
JAK:jak  
Enclosure

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RHODE ISLAND & MASSACHUSETTS

November 2, 2009

Department of the Navy  
Department of Public Works  
1 Simonpieti Drive  
Newport, RI 02841-1711

RE: Proposed Rate Change  
City of Newport - Utilities Department -Water Division

Dear Sir/Madam:

Please be advised that the City of Newport, Utilities Department, Water Division ("Newport Water") will be filing for rate changes with the Rhode Island Public Utilities Commission on November 2, 2009. Enclosed you will find a copy of the documents being filed.

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RHODE ISLAND & MASSACHUSETTS

November 2, 2009

The Honorable Town Council  
The Town Portsmouth  
c/o City Clerk  
2200 East Main Road  
Portsmouth, RI 02871

RE: Proposed Rate Change  
City of Newport - Utilities Department - Water Division

Honorable Council Members:

Please be advised that the City of Newport, Utilities Department, Water Division ("Newport Water") will be filing for rate changes with the Rhode Island Public Utilities Commission on November 2, 2009. Enclosed you will find a copy of the documents being filed.

Additionally, in conformance with RIGL §39-3-12.1, enclosed with the filing you will find copies of Newport Water's compliance with the particulars of that provision.

Thank you for your attention to these matters.

Sincerely,

Joseph A. Keough, Jr.

JAK:jak  
Enclosure

CC: William McGlinn  
Portsmouth Water & Fire District

## STATUS OF PHYSICAL PLANT Newport Water Division

The Newport Water Division (NWD) is a water supplier that serves a population of approximately 45,000 customers. The transient population served can be higher as Newport is a seasonal community. The retail service area includes the City of Newport, Town of Middletown and a small section of the Town of Portsmouth. NWD also provides water wholesale to the Portsmouth Water & Fire District and Naval Station Newport. NWD owns and operates the water distribution system in Newport, Middletown and the small section in Portsmouth. Portsmouth Water & Fire District and Naval Station Newport own and operate their respective water distribution systems.

The NWD obtains its raw water supply from a system of nine (9) surface reservoirs. Nonquit Pond and Harold E. Watson Reservoir are located on the mainland across the Sakonnet River from Aquidneck Island and comprise more than half of the total system storage. The remaining seven supplies (St. Mary's Pond, Lawton Valley Reservoir, Sisson Pond, North Easton Pond, South Easton Pond, Nelson (Paradise) Pond, and Gardiner's Pond) are located on Aquidneck Island where the systems two water treatment plants are located.

Each reservoir collects and stores runoff from its own watershed. St. Mary's, Sisson, Lawton Valley, and North and South Easton Ponds are also designated a raw water distribution reservoirs because they can provide intermediate storage between another reservoir and a treatment plant. Except for 1.0 square mile in Newport, watersheds for the nine reservoirs are located in Little Compton (3.8 sq. mi.), Tiverton (6.4 sq. mi.), Portsmouth (2.5 sq. mi.) and Middletown (6.2 sq. mi.).

Water treatment is provided at the 7MGD Lawton Valley WTP in Portsmouth and the 9 MGD Newport Station1 WTP in Newport. The Lawton Valley Plant was constructed in 1942 and has gone through several upgrades since then. Lawton Valley is a conventional treatment plant providing chemical addition, coagulation, flocculation, sedimentation, filtration, fluoridation and disinfection. Newport Station 1 went into service March 6, 1991. It is capable of producing treated water at an average rate of 6MDG with minimum and maximum rates of 3MGD and 9MGD, respectively. Treatment processes include chemical addition, coagulation, upflow clarification, granular activated carbon filtration, fluoridation and disinfection.

In 2004 a comprehensive compliance evaluation of the water treatment plants was completed. The purpose of the evaluation was to determine whether each plant's existing processes can continue to produce drinking water that complies with the current drinking water regulations as well as future regulations coming into effect over the next 5 to 10 years. The evaluations provided recommendations, both short term and long term to maintain compliance with drinking water regulations. Both plants have experienced difficulty in meeting the standards of the Disinfectant/Disinfectant by Product Rule. In November, 2004 the City secured services of an engineering firm to pilot and design the short term improvements identified in the Compliance Evaluations. The piloting

necessary for the use of chloramines as a secondary disinfectant at both plants is presently underway. The piloting has been expanded at the recommendation of EPA's Office of Research and Development in order to have results that address the disinfectant byproduct situation and keep lead levels in the distribution below action levels. In March 2008 the City awarded a contract to an engineering firm to serve as the City Advisor for the procurement and the implementation of the long term improvements at the water treatment plants. The long term improvements include the construction a new plant to replace the Lawton Valley Facility.

There are three service areas or pressure zones in the NWD water distribution system identified as Low, Medium, and High.

- The Low service area is supplied by the Newport Station 1 WTP. Four pumps at the WTP supply water to the Low Service area. Storage in the Low Service Area is provided by the 3Mgal storage tank located on Reservoir Road, Middletown.
- The Medium Service area is supplied from the Lawton Valley WTP. Treated water from the WTP is discharged to a 4Mgal distribution reservoir. Water is pumped from this 4Mgal reservoir to a nearby 2 Mgal storage tank. The 2Mgal tank feeds the Medium Service Area and sets the hydraulic gradient in the distribution system. The Medium Service Area can also be provided water from one of 2 booster pumps located at Newport Station 1. Also Newport Station 1 can receive water at a 2MGD rate from the Lawton Valley WTP. This demonstrates the systems flexibility to move treated water to be used by each plant. A normally closed interconnection exists between the low and medium service area. Raytheon Corporation in Portsmouth draws water directly from the 2Mgal tank.
- The High Service Area is provided by a booster pumping station on Forest Ave., Middletown which pumps water to the 1.5 Mgal tank on Goulart Lane, Portsmouth. A normally closed interconnection exists between the medium and high service areas.

The NWD's system consists of approximately 160 miles of transmission and distribution mains, 3300 valves and 1000 fire hydrants. There are approximately 14,700 metered service connections in the NWD distribution system which includes services in Newport, Middletown and a small section of Portsmouth. NWD owns all the meters in the system. The NWD is in the process of replacing old meters (10-12 years old), downsizing large meters, and converting to a radio read metering system

MAINTENANCE POLICY  
Newport Water Division

The Newport Water Division maintains its system to ensure that it operates in accordance with all regulatory requirements and accepted standards in order to provide and deliver the safest and most reliable drinking water to all of its customers.

Water Mains- There are approximately 160 miles of transmission and distribution mains in the NWD system. The original water works in Newport was started in 1876. The City of Newport has owned and operated the system since 1936. Between 1900 and 1940 nearly all new pipes added to the distribution system were unlined cast iron pipe (CI). Some of the unlined CI installed during this period has since been cleaned and lined. Between 1940 and 1970 water pipes installed were either lined CI or Asbestos/Cement (A/C or transite). Water pipes installed between 1970 and 1984 were either cement lined ductile iron (DI) or Poly Vinyl Chloride (PVC). Since 1984 all water pipes installed have been cement lined DI pipe. A leak detection program of the entire system was completed in 2005.

The NWD's 2005 Infrastructure Replacement Plan presents a plan to upgrade the distribution system and the work is being implemented. The Phase 1, 2, & 3 construction project for the replacement of Ocean Ave water which began in October, 2004 was completed in 2007. The design is underway for an approximately \$3 million water main improvement project projected to be under construction in Fall 2009. NWD is committed to continue to replace and/or rehabilitate identified water lines within the operating budget IFR funds. The NWD's Distribution Section staff has also begun replacing smaller sections of old water mains as part of their regular duties, as scheduling permits. Attached is a listing of water mains replaced/installed over the last ten (10) years.. NWD Distribution Section staff is on call after hours to perform emergency repairs to the transmission and distribution system as necessary.

Hydrants- The NWD maintains approximately 999 hydrants located as follows:

Newport	583
Middletown	408
Portsmouth	<u>  8</u>
Total	999

The age of the hydrants range from the early 1900's to 2003. The NWD has an active hydrant flushing program where the hydrants are flushed and exercised each year. The NWD has implemented a hydrant replacement program that allows for no hydrant to be older than 60 years of age.

Valves- The valves in the system were installed with the water mains. NWD staff operate distribution valves every other year for an ongoing valve exercise program. NWD staff replaces valves when they are found to be inoperable. Valves are also included with the replacement of a water main.

Service Connections- There are 14,442 metered service connections in the NWD system. The NWD is responsible for the water service from the main to the curb stop. The property owner is responsible for the water service from the curb stop to the building/house. All water services installed after 1931 are copper. The NWD Distribution Section replaces services which are lead or wrought iron as part of their regular work as scheduling allows.

Meters- The NWD owns, maintains, and replaces all meters in the system. The NWD has replaced approximately all the older dial type meters and replaced with Neptune water meters with LCD electronic read out and remote read capability. NWD has an active meter replacement program which is funded through the Meter Section's operating budget and IFR. NWD converted to a new water billing software starting the beginning of FY 2006. Presently, the NWD Meter Section is coordinating the project to convert to a radio read meter system. The contract for the system wide conversion was executed in July 2008. The implementation of converting the meters will begin in December 2008 starting with the commercial accounts in the system.

New Water Main Installations 1999-2009  
Newport Water Division

<u>Year</u>	<u>Location</u>		<u>Length</u>	<u>Size/Mat</u>
1999	John Kesson Ln	Middletown	2013	8"DI
	Longview Farm	Middletown	1865	8"DI
	Moy Ct	Middletown	590	8"DI
	Bush St	Newport	310	4"DI
	Catherine St	Newport	480	8"DI
	Second St	Newport	900	8"DI
2000	Ann St	Newport	400	4"DI
	Brewer St	Newport	400	4"DI
2002	Columbia Rd	Middletown	653	8"DI
	Honeyman Ave	Middletown	610	8"DI
	Marshall Ter	Middletown	220	8"DI
	Ward Ave	Middletown	250	8"DI
	Central St	Newport	540	8"DI
	Dresser St.	Newport	860	8"DI
2003	Turner Rd	Middletown	4960	12"DI
	Ward Ave	Middletown	578	8"DI
	Bancroft	Newport	510	8"DI
	Warner Place	Newport	290	8"DI
2004	Ridge Road	Newport	166	8" DI
	Ridge Road	Newport	3252	12" DI
	Harrison Ave	Newport	1446	12" DI
2005	Castle Hill Ave	Newport	1400	8"DI
	Ridge Road	Newport	650	8"DI
	Ocean Ave	Newport	5140	8"DI
	Harrison Ave	Newport	3400	12"DI
2006	McAllister St	Newport	600	8"DI
	Ocean Ave	Newport	9700	12"DI
	Ledge Road	Newport	1650	8"DI
	North Drive	Middletown	1360	8"DI
	South Drive	Middletown	1840	8"DI
	Circle Drive	Middletown	2400	8"DI
2007	Ocean Ave	Newport	200	12"DI
	Lakeview Ave	Newport	300	8"DI
	Xavier Ter	Newport	140	8"DI
2008	Howard Street	Newport	80	6"DI
2009	None to Date			



**Chemicals Used in the Water Treatment Processes**  
**Newport Water Division**

1. LIME

Pre-Lime at Lawton Valley helps with furnishing alkalinity for the coagulation process.

Post-Lime is used Lawton Valley and Station #1 to adjust pH and reduce corrosion in the finished water.

The use of Lime was discontinued at both treatment plants in September 2008.

2. ALUM

Alum is used at both plants to coagulate and settle the larger suspended material in the raw water prior to filtration.

3. CHLORINE DIOXIDE

Sodium Chlorite is used at both plants and is combined with chlorine gas to make Chlorine Dioxide. It is used to control TTHM's, taste and odor and pre-disinfection credits.

4. POST CHLORINE

Post Chlorine is used at both plants and is used for disinfection and CT requirements.

5. FLUORIDE

Fluoride is used at both plants and is used for tooth decay prevention and to distinguish between treated water and surface water with unknown surface water.

6. COPPER SULFATE

Copper Sulfate is used to control algae blooms in the raw water reservoirs.

7. BETZ CP1160P

Betz CP1160P is cationic polymer used to aid coagulation. It gives the sludge blanket additional strength. This chemical is used at the Station #1 treatment plant only.

8. GRANULAR ACTIVATED CARBON

Granular activated carbon (GAC) is used to remove organics and also to aid in taste and odor. Removal of chlorites is also assisted with granular activated carbon. GAC is used only at the Station #1 treatment plant.

9. SODIUM HYDROXIDE

Pre-Sodium Hydroxide at Lawton Valley helps with furnishing alkalinity for the coagulation process.

Post-Sodium Hydroxide is used at both plants and is used to adjust pH and reduce corrosion in the finished water.

The use of Sodium Hydroxide was started on September 5, 2008 at Station # 1 and September 9, 2008 at Lawton Valley.

See attached sheets for cost breakdown.

Newport Water Division Chemical Cost Breakdown

Copper Sulfate

DATE	cost/lb	lbs used	Total cost
Apr-09			
May-09	\$1.9090	2100	\$4,008.90
Jun-09	\$1.9090	5800	\$11,072.20
Jul-09	\$1.9090	2700	\$5,154.30
Aug-09	\$1.9090	14600	\$27,871.40
Sep-09	\$1.9090	8800	\$16,799.20
totals		34000	\$64,906.00

Newport Water Division Chemical Cost Breakdown

Station One plant

Sodium Hydroxide

DATE	cost/lb	lbs used	Total cost
Apr-09	\$0.9278	54877	\$50,914.88
May-09	\$0.9278	60528	\$56,157.88
Jun-09	\$0.9278	64369	\$59,721.56
Jul-09	\$0.8349	78086	\$65,194.00
Aug-09	\$0.8349	91923	\$76,746.51
Sep-09	\$0.8349	79806	\$66,630.03
totals		429589	\$375,364.86

Lawton Valley Plant

Apr-09	\$0.9278	39958	\$37,073.03
May-09	\$0.9278	49194	\$45,642.19
Jun-09	\$0.9278	57573	\$53,416.23
Jul-09	\$0.8349	66965	\$55,909.08
Aug-09	\$0.8349	98378	\$82,135.79
Sep-09	\$0.8349	68687	\$57,346.78
totals		380755	\$331,523.10

Combined totals		810,344	\$706,887.96
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Newport Water Division Chemical Cost Breakdown

Station One plant

Sodium Chlorite

DATE	cost/lb	lbs used	Total cost
Apr-09	\$0.9860	8520	\$8,400.72
May-09	\$0.9860	11656	\$11,492.82
Jun-09	\$0.9860	11061	\$10,906.15
Jul-09	\$0.9860	14129	\$13,931.19
Aug-09	\$0.9860	16845	\$16,609.17
Sep-09	\$0.9860	13041	\$12,858.43
totals		75252	\$74,198.47

Lawton Valley Plant

Apr-09	\$0.9860	3108	\$3,064.49
May-09	\$0.9860	4226	\$4,166.84
Jun-09	\$0.9860	4091	\$4,033.73
Jul-09	\$0.9860	4609	\$4,544.47
Aug-09	\$0.9860	6616	\$6,523.38
Sep-09	\$0.9860	6781	\$6,686.07
totals		29431	\$29,018.97

Combined totals		104,683	\$103,217.44
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Newport Water Division Chemical Cost Breakdown

Station One plant

Alum

DATE	cost/lb	lbs used	Total cost
Apr-09	\$0.1927	25180	\$4,852.19
May-09	\$0.1927	25626	\$4,938.13
Jun-09	\$0.1927	28820	\$5,553.61
Jul-09	\$0.2100	33593	\$7,054.53
Aug-09	\$0.2100	38686	\$8,124.06
Sep-09	\$0.2100	37044	\$7,779.24
totals		188949	\$38,301.76

Lawton Valley Plant

Apr-09	\$0.1927	20409	\$3,932.81
May-09	\$0.1927	30642	\$5,904.71
Jun-09	\$0.1927	30991	\$5,971.97
Jul-09	\$0.2100	30817	\$6,471.57
Aug-09	\$0.2100	43394	\$9,112.74
Sep-09	\$0.2100	34593	\$7,264.53
totals		190846	\$38,658.33

Combined totals 379,795 \$76,960.09

## Newport Water Division Chemical Cost Breakdown

### Station One plant

### Chlorine

DATE	cost/lb	lbs used	Total cost
Apr-09	\$0.6000	3710	\$2,226.00
May-09	\$0.6000	4590	\$2,754.00
Jun-09	\$0.6000	4800	\$2,880.00
Jul-09	\$0.4750	5680	\$2,698.00
Aug-09	\$0.4750	5970	\$2,835.75
Sep-09	\$0.4750	4710	\$2,237.25
totals		29460	\$15,631.00

### Lawton Valley Plant

Apr-09	\$0.6000	1730	\$1,038.00
May-09	\$0.6000	2775	\$1,665.00
Jun-09	\$0.6000	2905	\$1,743.00
Jul-09	\$0.4750	3630	\$1,724.25
Aug-09	\$0.4750	5615	\$2,667.13
Sep-09	\$0.4750	4287	\$2,036.33
totals		20942	\$10,873.70

Combined totals		50,402	\$26,504.70
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Newport Water Division Chemical Cost Breakdown

Station One plant

Fluoride

DATE	cost/lb	lbs used	Total cost
Apr-09	\$0.5460	1922	\$1,049.41
May-09	\$0.5460	1707	\$932.02
Jun-09	\$0.5460	1746	\$953.32
Jul-09	\$0.4188	1851	\$775.20
Aug-09	\$0.4188	1754	\$734.58
Sep-09	\$0.4188	1555	\$651.23
totals		10535	\$5,095.76

Lawton Valley Plant

Apr-09	\$0.5460	763	\$416.60
May-09	\$0.5460	953	\$520.34
Jun-09	\$0.5460	969	\$529.07
Jul-09	\$0.4188	970	\$406.24
Aug-09	\$0.4188	672	\$281.43
Sep-09	\$0.4188	621	\$260.07
totals		4948	\$2,413.75

Combined totals		15,483	\$7,509.51
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Newport Water Division Chemical Cost Breakdown

Station One plant

Betz CP1160P

DATE	cost/lb	lbs used	Total cost
Apr-09	\$7.22	110	\$794.20
May-09	\$7.22	110	\$794.20
Jun-09	\$7.22	110	\$794.20
Jul-09	\$7.22	110	\$794.20
Aug-09	\$7.22	165	\$1,191.30
Sep-09	\$7.22	110	\$794.20
totals		715	\$5,162.30

Combined totals

715 \$5,162.30

Newport Water Division Chemical Cost Breakdown

Granular Activated Carbon

DATE	cost/cf	CF used	Total cost
Apr-09		0	\$0.00
May-09		0	\$0.00
Jun-09		0	\$0.00
Jul-09		0	\$0.00
Jul-09		0	\$0.00
Sep-09		0	\$0.00
totals		0	\$0.00

POLICY RELATED TO FUTURE EXPANSION AND RENOVATIONS  
OF THE PHYSICAL PLANT  
Newport Water Division

The Newport Water Division maintains its treatment facilities to ensure that they operate in accordance with all regulatory requirements and accepted standards in order to provide and deliver the safest and most reliable drinking water to all of its customers.

Therefore, in February 2004 the compliance evaluations of the City's two (2) water treatment facilities were completed. The compliance evaluations are a comprehensive study of each facility to determine each facility's ability to continue to meet current and future drinking water regulations with the present treatment processes. If the results indicate the existing processes can not maintain regulatory compliance, then evaluations of alternative processes were conducted. In support of any alternative processes to meet regulations an audit to assess structural, electrical, code compliance etc. of each plant will be conducted. The evaluations included recommended short term and long term improvements at each plant in order to maintain compliance with drinking water regulations.

The City submitted January, 2005 an update to the Water Infrastructure Replacement Plan (IRP) to the RIDOH for review and approval. The short term and long term improvements recommended for the treatment facilities were incorporated into the IRP. The IRP is scheduled to be updated for submittal to the RIDOH in May 2010.

The Capital Improvement Plan adopted by the Newport Water Division is implemented in accordance with the approved 2005 Water Infrastructure Replacement Plan and the recommendations from the 2004 Compliance Evaluation of the treatment facilities.