STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS PUBLIC UTILITIES COMMISSION

IN RE:	KENT COUNTY WATER AUTHORITY)	
	APPLICATION TO CHANGE RATE)	DOCKET NO. 4611
	SCHEDULES)	

SETTLEMENT AGREEMENT

I. <u>INTRODUCTION</u>

The Kent County Water Authority (the "KCWA"), the Division of Public Utilities and Carriers (the "Division"), Town of Coventry, City of Warwick, Coventry Fire District and Central Coventry Fire District (collectively referred to as the "Parties") have reached an agreement on KCWA's rate filing and jointly request the approval of this Settlement Agreement by the Public Utilities Commission (the "Commission").

II. <u>RECITALS</u>

- 1. On April 7, 2016, KCWA filed a rate application (hereinafter the "Application") pursuant to R.I.G.L. § 39-3-11 and Part II of the Commission's Rules of Practice and Procedure.
- 2. In the Application, KCWA sought to implement a multi-year rate plan through a three-step increase.
- 3. In the first step of the rate plan, KCWA sought approval of new rates designed to generate additional revenues in the amount of \$3,296,334 to support total operating revenue of \$23,023,351.
- 4. The impact of this request on a quarterly bill with an average consumption of 20 HCF would have been an increase of \$14.61 per quarter or 12.7%.

- 5. In the second step of the rate plan, KCWA sought approval to implement rates effective July 1, 2017 to collect additional operating revenues of \$874,192.
- 6. The impact of this request would have been an across-the board rate increase of 3.85% on all rate classes.
- 7. In the third step of the rate plan, KCWA proposed to implement rates effective July 1, 2018 designed to collect additional operating revenues of \$1,480,302. The impact of the third step would have been an across-the board rate increase of 6.28% on all rate classes.
- 8. In the Application, KCWA also proposed the following: 1) a demand surcharge that would be a fixed charge based on meter size to fund \$500,000 of KCWA's debt service, 2) an alternative seasonal rate to promote conservation pursuant to R.I.G.L § 39-15.1-3(d), and 3) an optional Public Fire Service Charge based on size of meter.
- 9. In support of the Application, KCWA filed the direct testimony and schedules of Timothy J. Brown, P.E., General Manager Chief Engineer and Jo-Ann Gershkoff of KCWA; Christopher P.N. Woodcock of Woodcock & Associates, Inc.; and Thomas B. Nicholson, P.E., President/Chief Engineer, C & E Engineering Partners, Inc.
- 10. The City of Warwick, the Town of Coventry, the Central Coventry Fire District and the Coventry Fire District filed each a motion to intervene in this docket, which the Commission granted after receiving no objections.
- 11. In response to the Application, the Division conducted an investigation and review with the assistance of staff and two outside expert consultants.
- 12. In order to assist its investigation and review, the Division issued eight sets of data requests to KCWA to which KCWA responded.
 - 13. Coventry Fire District also conducted discovery of the Application.

- 14. On September 1, 2016, the Division filed the Direct Testimony of Alberico Mancini, Jerome Mierzwa and Lafayette K. Morgan, Jr.
- 15. On or about October 20, 2016, KCWA filed Rebuttal Testimony of Mr. Woodcock and Mr. Brown.
- 16. On November 18, 2016, the Division filed Surrebuttal Testimony of Mr. Morgan and Mr. Mierzwa.
- 17. On November 18, 2016 Coventry Fire District filed Surrebuttal Testimony of David P. Krekorian, C.P.A., M.S.T.
- 18. Following the filing of the surrebuttal testimony, the Division and KCWA engaged in extensive settlement discussions and negotiations.
- 19. The principal differences that remained between the Division and KCWA at this stage of the proceedings were in the following expense categories:
 - a) The Adoption of a proposed Demand Surcharge;
 - b) The adoption of new, direct Public Fire Protection Charges;
 - c) IFR expenses;
 - d) Reduced CIP expenses;
 - e) Employee Benefits;
 - f) Property and Liability Insurance;
 - g) Rate Case Expense;
 - h) Operation Studies; and
 - i) Inflation.
- 20. After due consideration of the testimony, exhibits and other documentation included in the filings of KCWA, of the Division and of the intervenors, the Parties have now

agreed to a comprehensive settlement which resolves all issues relating to KCWA's application. The Parties believe that this settlement, as a whole, constitutes a just and reasonable resolution of the issues in this proceeding, and jointly request its approval by the Commission.

III. TERMS OF SETTLEMENT

- 21. Incorporated herein and attached hereto as Exhibit 1 are Joint Settlement Schedules 1 15, (excluding Sch 14 and all Sch 14s¹) which memorialize the Parties' settlement.
- 22. As set forth in Exhibit 1, in the first step of KCWA's multi-year rate plan, KCWA is authorized to adjust rates as of January 1, 2017 to obtain an amount not to exceed an additional \$2,780,976 of revenues or 14.34% of normalized Test Year revenues.
- 23. The parties agreed to consolidate the second and third steps of the multi-year rate plan into a single second step to be effective January 1, 2018. As part of this second step increase, and as set forth in Exhibit 1, the parties agree to an increase of revenues by an amount not to exceed \$1,057,660 or 4.77%. KCWA agrees to update its production numbers as part of the filing for the second step increase.
 - 24. In addition, the Parties agree to the following terms:
 - a. KCWA agrees to file a request with the Commission, no later than October 1, 2019, to terminate the funding related to the meter replacement program effective January 1, 2020 or on whatever date the program funding is completed. The filing should include the most recent information related to the actual cost of the program as well as the salvage value of old meters.

¹ These dealt with seasonal rates and the Demand Surcharge which are no longer relevant under the proposed settlement.

- KCWA withdraws its proposed demand surcharge and seasonal rate alternatives;
- c. KCWA withdraws its proposal to recover costs associate with public fire service directly from individual retail customers; KCWA also withdraws its request to codify in its tariff the proposed practice of charging for hydrant installations;
- d. By April 1, 2017, KCWA agrees to complete an investigation as to whether compound meters are supporting private protection service, and report the findings of its investigation to the Division and the Commission;
- e. KCWA will not codify in any tariff filing its current practice of charging for lost water caused by the actions of third persons;
- f. The parties agree to the method used for derivation of public and private fire service costs as appropriate. However, because of the magnitude of the public and private fire charge increases, the parties agree to limit the increase in public and private fire charges in the initial step in this docket to a 30% increase. In KCWA's next rate filing, the parties agree to move the public and private fire service charges toward the full cost of service.
- g. Kent County Water Authority will be allowed to draw from the Cash Capital Account in advance to fund the Meter Replacement Program with the full understanding that the Cash Capital Fund will be

- reimbursed from collections restricted to the Meter Replacement Program, prior to the Meter Replacement Program completion;
- h. The parties agree that KCWA will continue with all current reporting requirements; and
- i. The parties agree that KCWA will fund its Commission restricted accounts at the following levels.

Account	Rate Year	Step Increase Effective Jan 1, 2018
Infrastructure Replacement	\$5,400,000	\$6,000,000
Debt Service	\$2,178,500	\$2,183,500
Cash Capital	\$1,753,819	\$1,453,819
Renewal & Repl - Equip.	\$100,000	\$100,000

IV. <u>EFFECT OF SETTLEMENT</u>

- 25. This Settlement Agreement is the result of a negotiated settlement. The discussions which have produced this Settlement Agreement have been conducted with the explicit understanding that all offers of settlement and discussion relating thereto are and shall be privileged, shall be without prejudice to the position of any party or participant presenting such offer or participating in any such discussion, and are not to be used in any manner in connection with these or other proceedings.
- 26. The agreement by any party to the terms of this Settlement Agreement shall not be construed as an agreement as to any matter of fact or law beyond the terms thereof. By entering into this Settlement Agreement, matters or issues other than those explicitly identified in this agreement have not been settled upon or conceded by any party to this Settlement Agreement, and nothing in this agreement shall preclude any party from taking any position in any future proceeding regarding such unsettled matters.

27. In the event that the Commission rejects this Settlement Agreement, or modifies this agreement or any provision therein, then this agreement shall be deemed withdrawn and shall be null and void in all respects.

IN WITNESS WHEREOF, the Parties agree that this Settlement Agreement is reasonable, in the public interest and in accordance with law and regulatory policy, and have caused this agreement to be executed by their respective representatives, each being authorized to do so.

Dated at Warwick this

KENT COUNTY WATER

AUHTORITY By its attorney,

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AND CARRIERS

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CERTIFICATE OF SERVICE

I certify that a copy of the document was forwarded by e-mail to the Service List in the	
above docket on the day of, 2016.	

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PRO FORMA EXPENSES

		Test Year	Summary of	Rate Year	Labor Increase	One	Other	Supporting	Non-Labor
Expense Item		June 30, 2015	<u>Adjustments</u>	7/1/16-6/30/17	(Sch 1B/1D)	Time Costs	<u>Adjustments</u>	<u>Schedule</u>	<u>Inflation</u>
SOURCE OF SUPPLY									
maint of wells/supply study	/	\$0	\$18,520	\$18,520	\$0		\$18,520 r	nt Settl. Sch. 1	D
purchased water		\$4,999,638	<u>-\$702,057</u>	\$4,297,581	<u>\$0</u>	_		nt Settl. Sch. 1	С
	Subtotal	\$4,999,638	-\$683,537	\$4,316,101	\$0	\$0	-\$683,537		\$0
PUMPING OPERATIONS									
fuel for pumping		\$22,662	\$1,031	\$23,693	\$0				\$1,031
power		\$606,405	\$163,277	\$769,682	\$0		\$163,277 r	nt Settl. Sch. 1	E
labor-pumping		\$82,493	\$3,355	\$85,848	\$3,160				\$195
pumping expense		\$0	\$0	\$0	\$0				\$0
maint structures & impro-	V	\$63,789	\$22,621	\$86,410	\$22,228				\$393
diesel oil		\$0	\$0	\$0	\$0				\$0
maint equip		\$36,986	\$21,591	<u>\$58,577</u>	\$20,72 <u>8</u>				<u>\$863</u>
	Subtotal	\$812,335	\$211,875	\$1,024,210	\$46,116	\$0	\$163,277		\$2,482
WATER TREATMENT									
chemicals		\$40,519	\$122,393	\$162,912	\$0		\$122,393 r	nt Settl. Sch. 1	E
labor		\$186,426	\$7,575	\$194,001	\$7,189				\$386
operating / Mishnock		\$65,420	\$2,977	\$68,397	\$0				\$2,977
maint water treat equip		\$17,556	\$799	\$18,355	\$0				\$799
maint structure		\$651	<u>\$30</u>	\$681	\$0				\$30
\$	Subtotal	\$310,572	\$133, 773	\$444,345	\$7,189	\$0	\$122,393		\$4, 192
TRANS & DISTR. EXPENS	SE								
storage facilities exp.		\$0	\$0	\$0	\$0				\$0
labor		\$23,745	\$1,081	\$24,826	\$0				\$1,081
supplies		\$106,875	\$4,863	\$111,738	\$0				\$4,863
labor-meter		\$52,568	\$2,141	\$54,709	\$1,988				\$152
meter - supp & exp		\$12	\$1	\$13	\$0				\$1
cust. install.		\$0	\$0	\$0	\$0				\$0
misc.		\$13,258	\$603	\$13,861	\$0				\$603
maint - struct. & improv.		\$57,000	\$2,594	\$59,594	\$0				\$2,594
maint res & stdp		\$20,465	\$841	\$21,306	\$717				\$124
maint mains		\$565,681	\$63,871	\$629,552	\$54,800				\$9,071
maint service		\$105,892	\$44,458	\$150,350	\$42,852				\$1,606
maint meters		\$139,823	\$6,123	\$145,946	\$1,901				\$4,221
maint hydrants		\$79,531	\$3,439	\$82,970	\$1,426				\$2,013
construction labor		-\$68	<u>\$0</u>	-\$68	\$0				\$0
	Subtotal	\$1,164,782	\$130,0 <u>14</u>	\$1,294,796	\$103,685	\$0	\$0	\$0	\$26,330

<-----> Adjustments Detail ----->

PRO FORMA EXPENSES

	Test Year	Summary of	Rate Year	Labor Increase	One	Other Supporting	Non-Labor
Expense Item	June 30, 2015	Adjustments	7/1/16-6/30/17	(Sch 1B)	Time Costs	Adjustments Schedule	<u>Inflation</u>
CUSTOMER ACCOUNT							
labor- meter read	\$110,533	\$4,496	\$115,029	\$4,226			\$269
cust record labor	\$204,210	\$8,301	\$212,511	\$7,848			\$453
cust records sup	\$95,811	\$4,360	\$100,171	\$0			\$4,360
meter read supplies	\$2,505	\$114	\$2,619	\$0			\$114
uncollectible	<u>\$57,397</u>	<u>\$2,612</u>	\$60,009	<u>\$0</u>			<u>\$2,612</u>
Subtotal	\$470,456	\$19,883	\$490,339	\$12,074	\$0	\$0	\$7,808
ADMIN. & GENERAL							
salaries	\$428,341	\$36,783	\$465,124	\$17,291			\$19,492
office supplies & expenses	\$257,632	\$11,724	\$269,356	\$0			\$11,724
insurance (property/liability/wc)	\$249,166	\$20,175	\$269,341	\$0		\$20,175 nt Settl. Sch. 1D)
OPEB Trust Contrib.	\$0	\$80,000	\$80,000	\$0		\$80,000 nt Settl. Sch. 1D)
employee benefits	\$927,939	\$37,918	\$965,857	\$0		\$37,918 nt Settl. Sch. 1D)
maint plant	\$146,750	\$6,084	\$152,834	\$4,703			\$1,381
maint vehicles	\$60,303	\$2,726	\$63,029	\$142			\$2,584
miscellaneous	\$15,840	\$721	\$16,561	\$0			\$721
vacation, holiday, sick	\$299,762	\$12,829	\$312,591	\$12,829			\$0
regul. exp.	\$136,920	\$15,778	\$152,698	\$0		\$15,778 nt Settl. Sch. 1E	
outside service	\$89,877	<u>\$4,090</u>	<u>\$93,967</u>	<u>\$0</u>			\$4,090
Subtotal	\$2,612,530	\$228,828	\$2,841,358	<u>\$34,965</u>	<u>\$0</u>	<u>\$153,871</u>	\$39,992
TOTAL O&M	\$10,370,313	\$40,836	\$10,411,149	\$204,029	\$0	-\$243,996	\$80,803

PRO FORMA EXPENSES

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	Test Year	Summary of	Rate Year		Labor Increase	One	Other	Supporting	Non-Labor
Expense Item	June 30, 2015	<u>Adjustments</u>	7/1/16-6/30/17		(Sch 1B/1D)	Time Costs	<u>Adjustments</u>	<u>Schedule</u>	<u>Inflation</u>
FIXED CHARGES									
Debt Service									
Existing	\$2,179,500	(\$1,000)	\$2,178,500				-\$1,000 n	t Settl. Sch. 1D	
New	\$0	\$0	\$0				\$0 n	t Settl. Sch. 1D	
Reserves and Coverage									
O&M Reserve	\$0	\$14,185	\$14,185				\$14,185 n	t Settl. Sch. 1D	
R&R Reserve	\$77,607	\$54,729	\$132,336				\$54,729 n	t Settl. Sch. 1D	
Renewal & Replacement - Equip	\$100,000	\$0	\$100,000						
Infrastructure Replacement	\$5,400,000	\$0	\$5,400,000				\$0 n	t Settl. Sch. 1D	
Meter Replacement	\$0	\$2,000,000	\$2,000,000				\$2,000,000 n	t Settl. Sch. 1D	
CIP	\$0	\$1,753,819	\$1,753,819				\$1,753,819 n	t Settl. Sch. 1D	
Payroll Taxes	\$154,417	\$21,204	\$175,621				\$21,204 n	t Settl. Sch. 1D	
PILOT	<u>\$23,123</u>	\$0	<u>\$23,123</u>				<u>\$0</u>		
SUBTOTAL FIXED	\$7,934,647	\$3,842,937	\$11,777,584		\$0	\$0	\$3,842,937		\$0
OPERATING REVENUE	\$583,313	-\$250,449	\$332,864				-\$250,449		
TOTAL EXPENSES	\$18,888,273	\$3,633,324	\$22,521,597	103.32%	\$204,029	\$0	\$3,348,492		\$80,803
Less:									
Miscellaneous Income	(\$235,485)	-\$9,310	(\$244,795)				-\$9,310 n	it Settl. Sch. 1A	
Interest Income	(\$25,826)	\$4,362	(\$21,464)				\$4,362 n	it Settl. Sch. 1A	
Merchand & Jobbing	(\$16,230)	-\$2,581	(\$18,811)				-\$2,581 n	t Settl. Sch. 1A	
6.9% of Water Prot Fee	<u>(\$46,107)</u>	<u>\$526</u>	(\$45,581)				\$526 n	it Settl. Sch. 1A	
NET REQUIRED FROM RATES	\$18,564,625	\$3,626,322	\$22,190,946						\$80,803

TEST YEAR & PRO FORMA REVENUES

	Test Year		Rate Year	
<u>Revenues</u>	Revenues	<u>Adjustments</u>	7/1/16-6/30/17	
Miscellaneous				
Less:				
Miscellaneous Income	\$42,131	-\$9,310	\$32,821	Joint Settl. Sch. 1D
Interest Income	\$25,826	\$4,362	\$30,188	Joint Settl. Sch. 1D
Merchand & Jobbing	\$16,230	-\$2,581	\$13,649	Joint Settl. Sch. 1D
6.9% of Water Prot Fee	\$46,107	<u>\$526</u>	<u>\$46,633</u>	(2)
Total Misc.	\$130,294		\$123,291	
Metered Rates	\$17,780,588	\$155,891	\$17,936,479	(1)
Public Fire	\$1,309,184	\$4,615	\$1,313,799	(1)
Private Fire	\$167,510	-\$7,819	\$159,691	(1)
Total Revenue	\$19,387,576	\$152,688	\$19,533,261	
Required Revenue			\$22,521,597	
Required Revenue from Rates			\$22,398,306	
Rate Increase Needed			\$2,988,336	

NOTES:

(1) Normalized Test Year Revenues at Current Rates based on Joint Settl. Sch. 11 - current rates for full year.

(2) WP revenue based on rate of \$0.01511 with 95% non-exempt customers.

Non-exempt Use RY = 3,086,260 ccf Rate (\$/ccf) \$0.01511 RY Revenue \$46,633

TEST YEAR & RATE YEAR LABOR COSTS

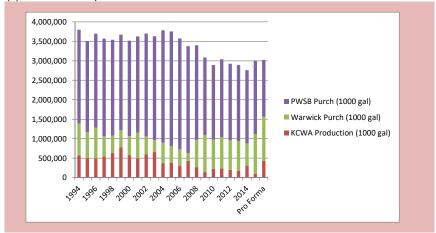
		Test Year		Rate Year
	EXPENSE ITEM	June 30, 2015	Adjustments (1)	7/1/16-6/30/17
	SOURCE OF SUPPLY	· · · · · · · · · · · · · · · · · · ·		
	PUMPING OPERATIONS			
624A	labor-pumping	\$78,206	\$3,160	\$81,365
631	maint structures & improv	\$55,160	\$22,228	\$77,388
633	maint equip	\$18,027	\$20,728	\$38,755
	WATER TREATMENT			
642A	labor	\$177,937	\$7,189	\$185,126
	TRANS & DISTR. EXPENSE			
663A	labor-meter	\$49,219	\$1,988	\$51,207
672	maint res & stdp	\$17,751	\$717	\$18,468
673	maint mains	\$366,344	\$54,800	\$421,144
675	maint service	\$70,596	\$42,852	\$113,448
676	maint meters	\$47,062	\$1,901	\$48,963
677	maint hydrants	\$35,288	\$1,426	\$36,713
	CUSTOMER ACCOUNT			
902	labor- meter read	\$104,614	\$4,226	\$108,840
903	cust record labor	\$194,254	\$7,848	\$202,101
	ADMIN. & GENERAL			
920	salaries	\$435,569	\$17,291	\$452,860
932A	maint plant	\$116,408	\$4,703	\$121,111
932B	maint vehicles	\$3,516	\$142	\$3,658
679	miscellaneous	\$0	\$0	\$0
933	vacation, holiday, sick	<u>\$317,555</u>	\$12,829	<u>\$330,384</u>
0	SUBTOTAL LABOR	\$2,087,504	\$204,029	\$2,291,533
	Capitalized Labor	<u>\$4,000</u>	<u>\$162</u>	<u>\$4,162</u>
	TOTAL LABOR COSTS	\$2,091,505	\$204,191	\$2,295,695
	(1) See Schedule 1D			

WHOLESALE WATER COSTS

Wholesale Water Purchases (updated per Div. DR 3-9)

	Rate (\$/mg)	Purchases (mg)	<u>Cost</u>				
PWSB Rate (/mg)	\$1,731.16	2,482.49	\$4,297,581				
Net Wholesale Purchases (gallor	ns) - Rate Year						
V	/arwick Purchases	1,135,328,000					
	PWSB Purchases	1,456,357,231					
	Total Purchases	2,591,685,231					
	Sales To Warwick	<u>-109,199,000</u>					
	Net Purchases	2,482,486,231					
	Rate Year Sales	2,482,486,231					
Fiscal Yr KCWA Production (1000 ga Warwick Purch (1000 ga PWSB Purch (1000 ga Tot	231,080 al) 808,282 al) <u>1,999,838</u>	2012 195,110 766,301 1,962,717 2,924,128	2013 175,420 763,513 1,952,095 2,891,028	2014 304,651 572,651 1,883,039 2,760,341	2015 92,176 1,028,956 1,882,339 3,003,471	2016 96,175 1,135,328 1,781,270 3,012,773	Pro Forma 430,800 (1) 1,135,328 (2) 1,456,357 (4) 3,022,485 (3)
Total Purchase Sales To Warwick (1000 ga Net Purchase	l) <u>73,595</u>	2,729,018 <u>92,976</u> 2,636,042	2,715,608 <u>91,487</u> 2,624,121	2,455,690 92,039 2,363,651	2,911,295 <u>102,354</u> 2,808,941	2,916,598 <u>109,199</u> 2,807,399	2,591,685 <u>109,199</u> (2) 2,482,486

- (1) KCWA rate year (FY 2017) production based on E. Greenwich start-up 11/16 and projections based on past monthly use, Mishnock on line 2/17
- (2) No change projected in purchases from or sales to Warwick from 2015 values
- (3) Overall amount changed from 2015 in same proportion as sales.
- (4) Calculated to equal the total volume minus KCWA Production and minus Warwick Purchase.



EXPLANATION OF ADJUSTMENTS TO TEST YEAR COSTS

Adjustment to: <u>Explanation</u>	
Fixed Charges Associated with Debt Service:	
O&M Reserve Set to achieve reserve level equal to 25%	of operating costs.
"O&M" Costs (Joint Settl. Sch. 1) =	\$10,411,149
Payroll Taxes	\$175,621
PILOT	<u>\$23,123</u>
Total Operating	\$10,609,893
Required O&M Reserve (25%)	\$2,652,473
Balance 6/30/15	\$2,382,240
Additions October 2015	\$256,048
Estim. Balance Start of Rate Year	\$2,638,288
Required deposit =	\$14,185
R&R Reserve Set to equal 1% of Net Utility Plant (NUP)	
NUP Value (6/30/16)	\$145,130,806
Estimated Additions	\$5,700,000
Pro Forma NUP	\$150,830,806
Required Balance (1%)	\$1,508,308
Balance 6/30/15	\$1,350,565
Additions October 2015	\$25,407
Estim. Balance Start of Rate Year	\$1,375,972
Addition to Reserve Required	\$132,336

Source of Supply Operations (studies)

Cost of Water Supply, CIP, & IFR Plan	s =	\$17,600
Cost of Conservation Program =		\$25,000
New Vulnerability Study =		\$50,000
	Total	\$92,600
Normalize over 5 yrs		\$18,520
Change over Test Year		\$18,520

Admin - Fees

Based on the May 2015 notice from the Dept. of Health, the annual PWS Renewal Fee is \$32,500

EXPLANATION OF ADJUSTMENTS TO TEST YEAR COSTS										
Debt Service		FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020			
2012 Series A Bonds										
	Principal	\$1,485,000	\$1,540,000	\$1,605,000	1,690,000	\$1,775,000	\$1,870,000			
	Interest	\$694,500	<u>\$635,100</u>	\$573,500	493,250	\$408,750	\$320,000			
	Total	\$2,179,500	\$2,175,100	\$2,178,500	\$2,183,250	\$2,183,750	\$2,190,000			
<u>New Debt</u>										
	Principal	\$0	\$0	\$0	\$0	\$0	\$0			
	Interest	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>			
	Total	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>			
Total Debt		\$2,179,500	\$2,175,100	\$2,178,500	\$2,183,250	\$2,183,750	\$2,190,000			

Note that payments on bonds are due in January and July. Although the July payment is due the fiscal year following the due date, the funds must be accumulated the prior months to have sufficient amounts to make the payments.

Infrastructure Replacement

Based on most recently approved IFR Report for KCWA the annual IFR requirement is \$7,000,000

However, to minimize the current requested adjustment, the Authority is requesting the increase through the step adjustments proposed.

Increase over test year = \$

PILOT based on following payments in lieu of taxes:

City & Towns	<u>Totals</u>
W. Warwick	\$8,264.82
Warwick	\$58.00
Coventry	\$12,813.37
Scituate	\$260.05
W. Greenwich	\$364.43
Fire Districts	
Cent. CovCov.	\$302.50
Cent.CovHarris	\$50.00
Cent.Cov-Tiogu€	\$121.00
Cent Coventry	\$349.00
Hopkins Hills	\$540.00
	\$23,123,17

Insurance - Liability/Property/Worker's Comp

	FY 12	FY 13	<u>FY 14</u>	<u>FY 15</u>	FY 2016	Rate Year	Avg Increase
Liability/Property Insurance	130,590	146,686	156,105	166,811	166,015	176,281	6.2%
Worker's Comp. Insurance	<u>62,127</u>	<u>65,154</u>	<u>80,541</u>	<u>85,521</u>	<u>84,158</u>	90,792	<u>7.9%</u>
Total	\$192,717	\$211,840	\$236,646	\$252,332	250,173	\$269,341	6.74%

Estimated Rate Year amounts based on average annual increases over past four years.

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EXPLANATION OF ADJUSTMENTS TO TEST YEAR COSTS

FY 2020	\$974,484 \$2,436,210 40.00% \$74,305 \$974,484 \$1,048,790 \$19,108
FY 2019	\$955,377 \$2,388,441 40.00% \$74,305 \$955,377 \$1,029,682 \$18,733
FY 2018	\$936,644 \$2,341,609 40.00% \$74,305 <u>\$936,644</u> \$1,010,949
FY 2017	\$891,551 \$2,295,695 40.00% \$74,305 \$891,551 \$965,857 \$37,918
FY 2016 \$513,573 \$46,279 \$68,554 \$6,331 \$9,162 \$1,500 \$9,026 \$243,161 \$5,100 \$902,686 \$74,305	\$14,303 \$828,381 \$2,133,035 38.84% s and Life Insurance
Test Yr (FY15) \$528,254 \$46,702 \$73,682 \$73,682 \$6,487 \$8,487 \$8,867 \$1,500 \$228,129 \$228,129 \$5,100 \$927,939 \$927,939	\$2,091,505 \$2,091,505 \$2.15% 12.15%
\$510,912 \$510,912 \$41,303 \$74,314 \$5,826 \$7,768 \$1,200 \$8,835 \$311,745 \$5,100 \$967,003 -\$72,808	\$894,195 \$1,956,599 45.70% rees for Delta-Der
Medical - Blue Cross Delta Dental Group P-65 Retirees Life Insurance Disability insurance Coastline Employee Assist Education Pension Contribution Xmas Bonus Total Less Retiree Costs (*)	Net for Current Employees \$894,195 \$881,602 \$828,381 Labor Costs \$1,956,599 \$2,091,505 \$2,133,035 Benefits as % of Current Labor 45.70% 42.15% 38.84% Retiree Costs (**) Plus Benefits (above) Total Benefits Change in Benefits for RY Annual Increase After Rate Year * includes payments to retired employees for Delta-Dental, Group 65 Retirees and Life Insurance ** based on Division testimony, kept at FY2106 values

New OPEB Contribution to Trust

FY 2020 \$80,000

FY 2019 \$80,000

FY 2018 \$80,000

FY 2017 \$80,000

Miscellaneous Revenues

<u>D</u>	20		20	49
Merch & Jobbi	\$16,3	\$20,2	\$4,350	\$13.6
Interest Inc	\$25,826	\$26,152	\$38,586	\$30,188
Misc Income			\$36,955	
	FY15	FY14	FY13	Average

EXPLANATION OF ADJUSTMENTS TO TEST YEAR COSTS

Labor Adjustments

Test year (FY 2015) labor increased to FY 2016 based on 2% increase and actual 2015 OT

For Rate Year, the FY 2016 labor costs were increased 2% for existing positions, with OT at FY 2015/2016 levels plus:

Two operators to replace transfers to Treatment Plant @ \$40,000 each (split between maint of mains and services)
One additional Maintenance Mechanic @ \$40,000 (split between pumping structures and equipment)

FY 2018 increased at 2%

	Test Yr (FY15)	FY 2016	Rate Yr (FY 17)	FY 2018
Pumping Expense				
Pumping Labor	\$78,206	\$79,770	\$81,365	\$82,993
Maint. Structure	\$55,160	\$56,263	\$77,388	\$78,936
Maint. Equip.	\$18,027	\$18,387	\$38,755	\$39,530
Water Treatment Expense				
Operator Labor	\$177,937	\$181,496	\$185,126	\$188,829
Transmission & Distribution				
Meter Labor	\$49,219	\$50,203	\$51,207	\$52,231
Maint. Reser. & Standpipes	\$17,751	\$18,106	\$18,468	\$18,837
Maint. Mains	\$366,344	\$373,671	\$421,144	\$429,567
Maint. Services	\$70,596	\$72,007	\$113,448	\$115,717
Maint. Meters	\$47,062	\$48,003	\$48,963	\$49,942
Maint. Hydrants	\$35,288	\$35,993	\$36,713	\$37,448
Customer Accounts				
Meter Reading	\$104,614	\$106,706	\$108,840	\$111,017
Customer Records	\$194,254	\$198,139	\$202,101	\$206,143
Admin. & General				
Salaries (Admin & Board)	\$435,569	\$443,980	\$452,860	\$461,917
Genrl Plant Maint.	\$116,408	\$118,737	\$121,111	\$123,533
Vehicle Maint.	\$3,516	\$3,586	\$3,658	\$3,731
Vac., Holiday, Sick	\$317,555	\$323,906	\$330,384	\$336,992
Capitalized Labor	<u>\$4,000</u>	<u>\$4,080</u>	<u>\$4,162</u>	<u>\$4,245</u>
Totals	\$2,091,505	\$2,133,035	\$2,295,695	\$2,341,609

Payroll Taxes

FICA set at 7.65% of salary 175,621

Non-Labor InflationNon-labor items increased from test year using an average annual increase of 2.25%

per year or 4.55% over 2 years to account for inflation.

Power See Schedule 1E

Operating Revenue

See testimony-operating revenue based on total rate revenues (total less misc. revenues) at 1.50% restricted/1.5% non-restricted

EXPLANATION OF ADJUSTMENTS TO TEST YEAR COSTS

Capital Spending

Meter Replacement

The authority is planning to replace all the customer owned water meters. The total estimated cost is \$6.6 million. For the rate year, initial funding of \$2,000,000 is requested. In FY 2018 funding of \$2,000,000 is requested. For FY 2019, the balance is included.

Capital Improvement Program

The Authority has developed a capital improvement program (CIP) that it is looking to finance from rates. With the refinancing of its debt, available funds in the Restricted Debt Account, and available balances in the Restricted Operating Revenue Account, the Authority proposes to use these savings to help phase-in the program. The Authority is looking for authorization equal to the reduction in the debt service that had been authorized by the PUC.

Authorized Debt Doc. 4142 = \$3,932,319 Difference from rate year debt = \$1,753,819

Restricted Funds Activity for Rate Year

	R&R Reserve	O&M Reserve	Dobt	IED	R&R Equip	Boo Oper Boy*
	RAR Reserve	<u>Odivi Reserve</u>	<u>Debt</u>	<u>IFR</u>	KAK Equip	Res. Oper. Rev.*
Beginning Balance (7/1/14)	1,272,826	2,493,284	2,026,555	6,277,494	262,937	1,507,265
Funding	77,607	0	2,179,500	5,400,000	100,000	291,656
Interest	132	242	98	676	20	133
Expenditures (actual) *	<u>0</u>	<u>111,286</u>	<u>2,373,650</u>	4,391,122	<u>303,930</u>	<u>0</u>
Ending Balance (6/30/15)	1,350,565	2,382,240	1,832,503	7,287,048	59,027	1,799,054
	2012 Refunding	2004 Series A	Total Debt			
Beginning Balance (7/1/14)	1,800,909	225,646	2,026,555			
Funding (TY)	2,179,500	0	2,179,500			
Interest	92	6	98			
Expenditures (actual)	<u>2,148,000</u>	225,650	<u>2,373,650</u>			
Ending Balance (6/30/15)	1,832,501	2	1,832,503			
* N. I. 0007 077						

^{*} Note -\$607,077 was withdrawn from the Restricted Operating Revenue Account after June 30, 2015 reducing this account

SUPPLEMENTAL DATA

Regulatory Expenses

Fiscal Year Ar	nnual Assmnt	Legal	Consultants	DPUC Fees	Total	
	illuai Assilliit	Legal	Consultants			
2011	45,874	0	600	3,769	50,243	
2012	53,179	0	1,800	698	55,677	
2013	64,890	22,920	17,000	2,960	107,770	
2014	97,253	30,289	53,328	908	181,778	
2015	84,080	12,507	39,876	457	136,921	
Estimated Rate Case Expense - this do	ocket	50,000	60,000	20,000	130,000	
			Other Rate Case (Prov Water, Pass Thru)			
	Amortized over 3 yrs				60,000	
	DPUC Assessment (Estim RY) *			92,698		
		Rate Year Regulatory Expense =			152,698	

Note: Estimated costs for current docket do NOT include KCWA regulatory costs for intervention in filings by Providence Water nor do they include costs for pass through rate filings to pass on wholesale rate increases.

15.92%
22.02%
49.87%
13.55%

SUPPLEMENTAL DATA

Increase over Test Year	\$122,393								
Total - Rate Year	\$162,912								
Lab Chemicals	\$3,600								
Mishnock Delivery	\$3,358								
E. Greenwich Mishnock	\$107,498 \$48,455								
FY 2017 Chemical Costs E. Greenwich	\$107,498	\$7,646	\$1,895	\$5,494	\$2,765	\$1,759	\$28	1,236	3,600
EV 2047 Chamical Coata		¢7.646	¢4 00E		I FY 2017 chemical o	` '	\$48,455		\$3,600
FY 2017 COST		\$22,328	\$5,536	\$16,040	\$2,765	\$1,759	\$28	¢2 250	¢2 600
COST/GAL		\$1.08	\$2.43	\$6.70	\$11.06	\$4.69	\$3.54		
FY 2017 PROJ USE	292,000	20,674	2,278	2,394	250	375	8	\$14,818	\$4,000
FY 2016	96,175	7,080	780	820	250	375	8	\$1,418	\$3,600
FY 2105	100,000	7,080	780	820	250	375	8	\$1,236	\$3,600
FY 2014	50,000	3,481	376	399	125	188	4	\$575	\$3,600
FY 2013	0	0	0	0	0	0	0	\$0	\$0
<u>Mishnock</u>	(1000 gal/yr)	Gallons	<u>Gallons</u>	<u>Gallons</u>	<u>Gallons</u>	<u>Gallons</u>	<u>Gallons</u>		\$/FY
	Production	Potassium Permanganate	Chlorine	Potassium Hydroxide	Citric Acid	Sodium Bisulfite	Sulfuric Acid	Chemical Deliver Fees	Lab Chems
			Total	FY 2017 chemical co	osts (E. Greenwich)	\$107,498			
FY 2016 COST		\$775	\$1,695	\$103,073	\$556	\$1,400			
COST/GAL (12/15)		\$2.43	\$10.46	\$6.70					
FY 2017 Proj	138,819	319	162	15,384	\$556	\$1,400			
FY 2016	off line								
FY 2015	off line	010	201	20,010	ΨΟΟΟ	Ψ2,000			
FY 2014	223,338	513	261	25,576	\$555	\$2,835			
FY 2012	175,282	403	205	19,560	\$525	\$2,023			
FY 2012	190.990	439	223	19,904	\$496	\$2,025			
FY 2011	232,130	<u>533</u>	<u>Gallons</u> 271	26,025	\$427	\$1,305			
	Production (1000 gal/yr)	Gallons	Pyrophosphate Gallons	Hydroxide Gallons	Freight PyroPhos	and Freight POT HYD			
	Draduation	Chlorine	Tetrapotassium		Chem Delivery and	Chem Delivery			
East Greenwich			Totronotoccium	Deteccium	Chama Daliyamy and	Cham Dalivani			
Chemical Costs									
Ta									

	East Gro	enwich en	<u>Mishne</u>	ock	<u>Both</u>
	Power	AVG Power	Power	AVG Power	
	KWH USED	\$/KWH	KWH USED	<u>\$/KWH</u>	
FY 2011	454,207	\$0.122			\$55,413
FY 2012	465,600	\$0.124			\$57,734
FY 2013	387,360	\$0.130			\$50,357
FY 2014	547,920	\$0.135	188,547	\$0.166	\$105,268
FY 2015			346,320	\$0.185	\$64,069
FY 2016			346,320	\$0.186	\$64,416
FY 2017 Proj	313,385	\$0.186	908,907	\$0.186	\$227,346
		•	Inc	rease over test year	\$163,277

UNITS OF SERVICE

	Test Year Actual	<u>Adjustments</u>	Rate Year <u>Projected</u>
Metered Water Sales (100 c			
Small (5/8-2" meters)	2,921,091	18,493	2,939,584
Medium (3&4" meters)	66,302	420	66,721
Large (6" & up meters)	<u>240,864</u>	1,525	242,389
	3,228,257		3,248,694
Meters By Size			
<u>Quarterly</u>	<u>June 2015</u>		
5/8 & 3/4	22,099	-19	22,080
1	3,636	14	3,650
1 1/2	322	2	324
2	503	-1	502
3	13	-2	11
4	84	5	89
6	85	4	89
8 & up	65	2	67
<u>Monthly</u> 5/8 & 3/4	-	0	E
ο/ο α ο/4 1	5 1	0	5 1
1 1/2	9	0	9
2	9	-1	8
3	1	0	1
4	4	-1	3
6	7	0	7
8 & up	5	0	5
·	15)		
Public Fire Service (Sept 20	<u>15)</u>		
Public Fire Hydrants Bills	2,352 32	5	2,357 32
Private Fire Service			
Size (in)			
4	16	0	16
6	97	-2	95
8	19	-3	16
10	1	0	1
12	1	0	1
Hydrants	128	-6	122

ALLOCATION OF RATE YEAR EXPENSES TO GENERAL WATER, FIRE, AND CUSTOMER SERVICE

	RATE YEAR	ALLOC.	GENERAL	WATER	FIRE SER\	/ICE	CUST. S	ERVICE
EXPENSE ITEM SOURCE OF SUPPLY	<u>EXPENSE</u>	SYMBOL (1)	<u>%</u>	AMOUNT	<u>%</u>	AMOUNT	<u>%</u>	<u>AMOUNT</u>
maint of wells/supply study	\$18,520	Α	99.5%	\$18,427	0.5%	\$93	0.0%	0
purchased water PUMPING OPERATIONS	\$4,297,581	Α	99.5%	\$4,276,093	0.5%	\$21,488	0.0%	0
fuel for pumping	\$23,693	Α	99.5%	\$23,575	0.5%	\$118	0.0%	0
power	\$769,682	A	99.5%	\$765,834	0.5%	\$3,848	0.0%	0
labor-pumping	\$85,848	P	79.7%	\$68,455	20.3%	\$17,393	0.0%	0
pumping expense	\$0	r P	79.7%	Ψ00, 1 33	20.3%	\$0	0.0%	0
maint structures & improv	\$86,410	r P	79.7%	\$68,903	20.3%	\$17,507	0.0%	0
diesel oil	\$00,410	P	79.7%	\$00,903 \$0	20.3%	\$17,507	0.0%	0
maint equip	\$58,577	P	79.7%	\$46,709	20.3%	\$11,868	0.0%	0
WATER TREATMENT	φ30,377	Г	19.170	ψ 4 0,709	20.570	ψ11,000	0.070	U
chemicals	\$162,912	Α	99.5%	\$162.097	0.5%	\$815	0.0%	0
labor	\$194,001	A	99.5%	\$193,031	0.5%	\$970	0.0%	0
	\$68,397	A	99.5%	\$68,055	0.5%	\$342	0.0%	0
operating / Mishnock	. ,	A	99.5%		0.5%	\$92	0.0%	0
maint water treat equip	\$18,355	A		\$18,263	0.5%			0
maint structure TRANS & DISTR. EXPENSE	\$681		99.5%	\$677	0.5%	\$3	0.0%	
storage facilities exp.	\$0	D	75.0%	\$0	25.0%	\$0	0.0%	0
labor	\$24,826	В	74.8%	\$18,570	25.2%	\$6,256	0.0%	0
supplies	\$111,738	В	74.8%	\$83,580	25.2%	\$28,158	0.0%	0
labor-meter	\$54,709	С	0.0%	\$0	0.0%	\$0	100.0%	54,709
meter - supp & exp	\$13	С	0.0%	\$0	0.0%	\$0	100.0%	13
cust. install.	\$0	С	0.0%	\$0	0.0%	\$0	100.0%	0
misc.	\$13,861	F	48.3%	\$6,689	23.0%	\$3,188	28.7%	3,984
maint - struct. & improv.	\$59,594	F	48.3%	\$28,760	23.0%	\$13,708	28.7%	17,127
maint res & stdp	\$21,306	D	75.0%	\$15,979	25.0%	\$5,326	0.0%	0
maint mains	\$629,552	В	74.8%	\$470,905	25.2%	\$158,647	0.0%	0
maint service	\$150,350	С	0.0%	\$0	0.0%	\$0	100.0%	150,350
maint meters	\$145,946	С	0.0%	\$0	0.0%	\$0	100.0%	145,946
maint hydrants	\$82,970	Е	0.5%	\$415	99.5%	\$82,555	0.0%	0
construction labor	(\$68)	F	48.3%	(\$33)	23.0%	(\$16)	28.7%	(20)
CUSTOMER ACCOUNT								
labor- meter read	\$115,029	С	0.0%	\$0	0.0%	\$0	100.0%	115,029
cust record labor	\$212,511	С	0.0%	\$0	0.0%	\$0	100.0%	212,511
cust records sup	\$100,171	С	0.0%	\$0	0.0%	\$0	100.0%	100,171
meter read supplies	\$2,619	С	0.0%	\$0	0.0%	\$0	100.0%	2,619
uncollectible	\$60,009	С	0.0%	\$0	0.0%	\$0	100.0%	60,009
ADMIN. & GENERAL	0405.404	•	70.00/	00.40.000	7.70/	ADE 007	40.00/	00.500
salaries	\$465,124	G	73.3%	\$340,899	7.7%	\$35,627	19.0%	88,598
office supplies & expenses	\$269,356	G	73.3%	\$197,417	7.7%	\$20,632	19.0%	51,307
insurance (property/liability/wc)	\$269,341	G	73.3%	\$197,406	7.7%	\$20,631	19.0%	51,305
OPEB Trust Contrib.	\$80,000	H	55.8%	\$44,631	11.9%	\$9,483	32.4%	25,886
employee benefits	\$965,857	Н	55.8%	\$538,840	11.9%	\$114,486	32.4%	312,531
maint plant	\$152,834	G	73.3%	\$112,015	7.7%	\$11,706	19.0%	29,112
maint vehicles	\$63,029	G	73.3%	\$46,195	7.7%	\$4,828	19.0%	12,006
miscellaneous	\$16,561	G	73.3%	\$12,138	7.7%	\$1,268	19.0%	3,155
vacation, holiday, sick	\$312,591	Н	55.8%	\$174,391	11.9%	\$37,052	32.4%	101,148
regul. exp.	\$152,698	G	73.3%	\$111,916	7.7%	\$11,696	19.0%	29,086
outside service	\$93,967	G	73.3%	<u>\$68,870</u>	7.7%	<u>\$7,198</u>	19.0%	17,899
SUBTOTAL O&M	\$10,411,149	G	78.6%	\$8,179,704	6.2%	\$646,965	15.2%	1,584,480

ALLOCATION OF RATE YEAR EXPENSES TO GENERAL WATER, FIRE, AND CUSTOMER SERVICE

	RATE YEAR	ALLOC.	GENERAL	. WATER	FIRE SER	RVICE	CUST. S	SERVICE
EXPENSE ITEM	EXPENSE	SYMBOL (1)	%	AMOUNT	%	AMOUNT	%	AMOUNT
FIXED CHARGES			_	·	_	·	_	·
Debt Service	\$2,178,500	J	78.2%	\$1,703,232	19.8%	\$430,431	2.1%	\$44,837
O&M Reserve	\$14,185	G	73.3%	\$10,397	7.7%	\$1,087	19.0%	\$2,702
R&R Reserve	\$132,336	J	78.2%	\$103,465	19.8%	\$26,147	2.1%	\$2,724
Renewal & Replacement - Equip	\$100,000	J	78.2%	\$78,184	19.8%	\$19,758	2.1%	\$2,058
Infrastructure Replacement	\$5,400,000	1	78.2%	\$4,221,920	19.8%	\$1,066,940	2.1%	\$111,140
Meter Replacement	\$2,000,000	M	100.0%	\$2,000,000	0.0%	\$0	0.0%	0
CIP	\$1,753,819	1	78.2%	\$1,371,200	19.8%	\$346,522	2.1%	\$36,096
Payroll Taxes	\$175,621	Н	55.8%	\$97,977	11.9%	\$20,817	32.4%	\$56,827
PILOT	\$23,123	L	77.9%	\$18,01 <u>0</u>	21.0%	<u>\$4,864</u>	1.1%	<u>\$250</u>
SUBTOTAL FIXED	\$11,777,584		81.5%	\$9,604,384	16.3%	\$1,916,566	2.2%	\$256,634
OPERATING REVENUE	\$332,864	K	80.1%	\$266,788	11.6%	\$38,457	8.3%	\$27,619
TOTAL EXPENSES	\$22,521,597	K	80.1%	\$18,050,875	11.6%	\$2,601,988	8.3%	\$1,868,734
Less:	(0011 -05)		22.42/	(\$400.004)	44.00/	(\$00.000)	0.00/	(0000010)
Miscellaneous Income	(\$244,795)	K	80.1%	(\$196,201)	11.6%	(\$28,282)	8.3%	(\$20,312)
Interest Income	(\$21,464)	K	80.1%	(\$17,203)	11.6%	(\$2,480)	8.3%	(\$1,781)
Merchand & Jobbing	(\$18,811)	K	80.1%	(\$15,077)	11.6%	(\$2,173)	8.3%	(\$1,561)
6.9% of Water Prot Fee	(\$45,581)	K	80.1%	(\$36,532)	11.6%	(\$5,266)	8.3%	(\$3,782)
Total Revenue Requirement	\$22,190,946	K	80.1%	\$17,785,861	11.6%	\$2,563,787	8.3%	\$1,841,298

⁽¹⁾ See Joint Settl. Sch. 3B

ALLOCATION OF RATE YEAR LABOR EXPENSES TO GENERAL WATER, FIRE, AND CUSTOMER SERVICE

EXPENSE ITEM LABOR SYMBOL (L) % AMOUNT % AMOUNT % AMOUNT SOURCE OF SUPPTY maint of wells/supply study \$0 A 99.5% \$0 0.5% \$0 0.0% \$0 prumpting of the for pumping		RATE YEAR	ALLOC.	GENERAL	<u>WATER</u>	FIRE SER	/ICE	CUST. S	<u>ERVICE</u>
maint of wells/supply study \$0 A 99.5% \$0 0.5% \$0 0.0% \$0 PUMPING OFERATIONS full for pumping \$0 A 99.5% \$0 0.5% \$0 0.0% \$0 power \$0 A 99.5% \$0 0.5% \$0 0.0% \$0 power \$0 A 99.5% \$0 0.5% \$0 0.0% \$0 pumping expense \$0 P 79.7% \$4.80 20.3% \$10.0% \$0 maint seturus & improv \$77,388 P 79.7% \$0 20.3% \$10.0% \$0 maint equip \$38,755 P 79.7% \$0 20.3% \$0 0.0% \$0 chemicals \$0 A 99.5% \$30,90 20.5% \$0 0.0% \$0 chemicals \$0 A 99.5% \$184,200 0.5% \$0 0.0% \$0 reberation \$10 A		<u>LABOR</u>	SYMBOL (1)	<u>%</u>	AMOUNT	<u>%</u>	AMOUNT	<u>%</u>	<u>AMOUNT</u>
Purchased water									
DUMPING OPERATIONS	11,								
Fuel for pumping	•	\$0	Α	99.5%	\$0	0.5%	\$0	0.0%	\$0
Dower State Stat									
babor-pumping \$81,365 P 79.7% \$64,861 20.3% \$16,465 0.0% \$0 \$0 \$0 \$0 \$0 \$0 \$0									
Dumping expense	•	* -			• -				* -
maint - structures & improv \$77.388 P 79.7% \$61.710 20.3% \$15.679 0.0% \$0 cleased oil \$0 P 79.7% \$0 20.3% \$0 0.0% \$0 cleased oil \$0 P 79.7% \$0 20.3% \$0 0.0% \$0 cleased oil \$0 P 79.7% \$0 20.3% \$0 0.0% \$0 cleased oil \$0 P 79.7% \$0 20.3% \$0 0.0% \$0 cleased oil \$0 P 79.7% \$0 20.3% \$0 0.0% \$0 cleased oil \$0 P 79.7% \$0 20.3% \$0 20.3% \$0 0.0% \$0 cleased oil \$0 P 79.7% \$0 20.3% \$0 0.0% \$0 cleased oil \$0 P 79.7% \$0 90.5% \$0 0.0% \$0 cleased oil \$0 P 79.7% \$0 90.5% \$0 0.0% \$0 cleased oil \$0 P 79.7% \$0 90.5% \$0 \$0 P 79.7% \$0 90.5% \$0 0.0% \$0 cleased oil \$0 P 79.7% \$0 90.5% \$0 0.0% \$0 \$0 cleased oil \$0 P 79.7% \$0 90.5% \$0 0.0% \$0 \$0 cleased oil \$0 P 79.7% \$0 90.5% \$0 0.0% \$0 \$0 cleased oil \$0 P 79.7% \$0 90.5% \$0 0.0% \$0 \$0 cleased oil \$0 P 79.7% \$0 90.5% \$0 0.0% \$0		. ,			. ,		. ,		* -
Commaint - equip \$38.755 P 79.7% \$30.903 20.3% \$7.852 0.0% \$0.000							* -		* -
maint equip \$38,755 P 79.7% \$30,903 20.3% \$7,852 0.0% \$0 WATER TREATMENT \$0 A 99.5% \$0 0.5% \$0 0.0% \$0 chemicals \$0 A 99.5% \$0 0.5% \$0 0.0% \$0 operating / Mishnock \$0 A 99.5% \$0 0.5% \$0 0.0% \$0 maintwater treat equip \$0 A 99.5% \$0 0.5% \$0 0.0% \$0 TRANS & DISTR. EXPENSE \$0 D 75.0% \$0 25.0% \$0 0.0% \$0 labor \$0 B 74.8% \$0 25.2% \$0 0.0% \$0 labor meter \$51,207 C 0.0% \$0 0.0% \$0 0.0% \$0 labor meter \$51,207 C 0.0% \$0 0.0% \$0 100.0% \$0 supplies \$0	•	. ,			. ,		. ,		
WATER TREATMENT SO Chemicals SO A 99.5% SO 0.5% SO 0.0% SO Chemicals SO A 99.5% \$184,200 0.5% \$928 0.0% \$0 Operating / Mishnock SI 85,126 A 99.5% \$10 0.5% \$0 0.5% \$0 0.0% \$0 Operating / Mishnock SO A 99.5% \$0 0.5% \$0 0.0% \$0 Operating / Mishnock SO A 99.5% \$0 0.5% \$0 0.0% \$0 Operating / Mishnock SO A 99.5% \$0 0.5% \$0 0.0% \$0 Operating / Mishnock SO A 99.5% \$0 0.5% \$0 0.0% \$0 Operating / Mishnock SO A 99.5% \$0 0.5% \$0 0.0% \$0 Operating / Mishnock SO SO SO SO SO SO SO S	diesel oil								* -
Chemicals		. ,	Р	79.7%	\$30,903	20.3%	\$7,852	0.0%	\$0
Babor	WATER TREATMENT								
Departing / Mishnock	chemicals						* -		
maint - Variet treat equip \$0 A 99.5% \$0 0.5% \$0 0.0% \$0 maint - Structure \$0 A 99.5% \$0 0.5% \$0 0.0% \$0 TRANS & DISTR. EXPENSE \$0 D 75.0% \$0 25.0% \$0 0.0% \$0 alabor \$0 B 74.8% \$0 25.2% \$0 0.0% \$0 supplies \$0 B 74.8% \$0 25.2% \$0 0.0% \$0 labor-meter \$51,207 C 0.0% \$0 0.0% \$0 100.0% \$51,207 meter - supp & exp \$0 C 0.0% \$0 0.0% \$0 100.0% \$51,207 meter - supp & exp \$0 C 0.0% \$0 0.0% \$0 100.0% \$51,20 misc. \$1 48.3% \$0 23.0% \$0 22.7% \$0 maint struct. & improv. \$0	labor	\$185,126			\$184,200		\$926		
maint - structure \$0 A 99.5% \$0 0.5% \$0 0.0% \$0 TRANS & DISTR. EXPENSE \$0 D 75.0% \$0 25.0% \$0 0.0% \$0 labor \$0 B 74.8% \$0 25.2% \$0 0.0% \$0 labor-meter \$51,207 C 0.0% \$0 0.0% \$0 100.0% \$50 labor-meter \$51,207 C 0.0% \$0 0.0% \$0 100.0% \$51,207 meter - supb & exp \$0 C 0.0% \$0 0.0% \$0 100.0% \$0 100.0% \$0 100.0% \$0 100.0% \$0 100.0% \$0 100.0% \$0 100.0% \$0 100.0% \$0 100.0% \$0 100.0% \$0 100.0% \$0 100.0% \$0 100.0% \$0 28.7% \$0 30 100.0% \$13.448 \$0 75.0% \$13.851 25.0%	operating / Mishnock	\$0	Α	99.5%	\$0	0.5%	\$0	0.0%	\$0
TRANS & DISTR. EXPENSE storage facilities exp. \$0 D 75.0% \$0 25.0% \$0 0.0% \$0 labor \$0 B 74.8% \$0 25.2% \$0 0.0% \$0 supplies \$0 B 74.8% \$0 25.2% \$0 0.0% \$0 supplies \$0 B 74.8% \$0 25.2% \$0 0.0% \$0 supplies \$0 B 74.8% \$0 25.2% \$0 0.0% \$0 labor-meter \$51.207 C 0.0% \$0 0.0% \$0 100.0% \$51.207 meter - supp & exp \$0 C 0.0% \$0 0.0% \$0 100.0% \$51.207 meter - supp & exp \$0 C 0.0% \$0 0.0% \$0 100.0% \$0 cust. instail. \$0 C 0.0% \$0 23.0% \$0 28.7% \$0 misc. \$0 F 48.3% \$0 23.0% \$0 28.7% \$0 maint - struct. & improv. \$0 F 48.3% \$0 23.0% \$0 28.7% \$0 maint - struct. & improv. \$0 F 48.3% \$0 23.0% \$0 28.7% \$0 maint - rese & stdp \$18.468 D 75.0% \$13.851 25.0% \$46.17 0.0% \$0 maint - service \$113.448 C 0.0% \$0 0.0% \$0 0.0% \$0 100.0% \$49.00 maint - service \$133.448 C 0.0% \$0 0.0% \$0 0.0% \$0 100.0% \$49.00 maint - hydrants \$36.713 E 0.5% \$184 99.5% \$36.50 0.0% \$48.963 maint - hydrants \$36.713 E 0.5% \$184 99.5% \$36.50 0.0% \$49.00 construction labor \$0 F 48.3% \$0 0.0% \$0 0.0% \$0 100.0% \$49.00 construction labor \$0 C 0.0% \$0 0.0% \$0 0.0% \$0 100.0% \$49.00 construction labor \$0 C 0.0% \$0 0.0% \$0 0.0% \$0 100.0% \$49.00 construction labor \$0 C 0.0% \$0 0.0% \$0 0.0% \$0 100.0% \$202.101 cust record labor \$202.101 C 0.0% \$0 0.0% \$0 0.0% \$0 100.0% \$0 0.00 cust record labor \$202.101 C 0.0% \$0 0.0% \$0 0.0% \$0 100.0% \$0 0.00 cust record labor \$202.101 C 0.0% \$0 0.0% \$0 0.0% \$0 100.0% \$0 0.00 cust record labor \$0 C 0.0% \$0 0.0% \$0 0.0% \$0 100.0% \$0 0.00 cust record labor \$0 C 0.0% \$0 0.0% \$0 0.0% \$0 100.0% \$0 0.00 cust record labor \$0 C 0.0% \$0 0.0% \$0 0.0% \$0 100.0% \$0 0.00 cust record labor \$0 C 0.0% \$0 0.0% \$0 0.0% \$0 100.0% \$0 0.00 cust record labor \$0 C 0.0% \$0 0.0% \$0 0.0% \$0 100.0% \$0 0.00 cust record labor \$0 C 0.0% \$0 0.0% \$0 0.0% \$0 100.0% \$0 0.00 cust record labor \$0 C 0.0% \$0 0.0% \$0 0.0% \$0 100.0% \$0 0.00 cust record labor \$0 C 0.0% \$0 0.0% \$0 0.0% \$0 0.00	maint water treat equip	\$0	Α	99.5%	\$0	0.5%	\$0	0.0%	\$0
Storage facilities exp. \$0	maint structure	\$0	Α	99.5%	\$0	0.5%	\$0	0.0%	\$0
Babor S0 B	TRANS & DISTR. EXPENSE	\$0							
supplies \$0 B 74.8% \$0 25.2% \$0 0.0% \$0 labor-meter \$15,207 C 0.0% \$0 0.0% \$0 100.0% \$51,207 meter - supp & exp \$0 C 0.0% \$0 0.0% \$0 100.0% \$0 cust. install. \$0 F 48.3% \$0 23.0% \$0 100.0% \$0 misc. \$0 F 48.3% \$0 23.0% \$0 28.7% \$0 maint struct. & improv. \$0 F 48.3% \$0 23.0% \$0 28.7% \$0 maint resk stdp \$18,468 D 75.0% \$13,851 25.0% \$4,617 0.0% \$0 maint service \$113,448 C 0.0% \$0 0.0% \$0 100.0% \$0 maint meters \$48,963 C 0.0% \$0 0.0% \$0 100.0% \$0 construction labo	storage facilities exp.	\$0	D	75.0%	\$0	25.0%	\$0	0.0%	\$0
Babor-meter	labor	\$0	В	74.8%	\$0	25.2%	\$0	0.0%	\$0
meter - supp & exp \$0 C 0.0% \$0 0.0% \$0 100.0% \$0 cust. install. \$0 C 0.0% \$0 0.0% \$0 100.0% \$0 misc. \$0 F 48.3% \$0 23.0% \$0 28.7% \$0 maint set stdp \$18,468 D 75.0% \$13,851 25.0% \$4,617 0.0% \$0 maint mains \$421,144 B 74.8% \$315,016 25.2% \$4,617 0.0% \$0 maint service \$113,448 C 0.0% \$0 0.0% \$0 100,0% \$113,448 maint hydrants \$48,963 C 0.0% \$0 0.0% \$0 100,0% \$48,963 construction labor \$0 F 48.3% \$0 23.0% \$0 28.7% \$0 labor- meter read \$108,840 C 0.0% \$0 0.0% \$0 100.0% \$108,840 <t< td=""><td>supplies</td><td>\$0</td><td>В</td><td>74.8%</td><td>\$0</td><td>25.2%</td><td>\$0</td><td>0.0%</td><td>\$0</td></t<>	supplies	\$0	В	74.8%	\$0	25.2%	\$0	0.0%	\$0
cust. install. \$0 C 0.0% \$0 0.0% \$0 100.0% \$0 misc. \$0 F 48.3% \$0 23.0% \$0 28.7% \$0 maint - struct. & improv. \$0 F 48.3% \$0 23.0% \$0 28.7% \$0 maint - set stdp \$18,468 D 75.0% \$13,851 25.0% \$4,617 0.0% \$0 maint - service \$113,448 C 0.0% \$0 0.0% \$0 100.0% \$13,448 maint - meters \$48,963 C 0.0% \$0 0.0% \$0 100.0% \$143,448 maint - hydrants \$36,713 E 0.5% \$184 99.5% \$36,530 0.0% \$0 construction labor \$0 F 48.3% \$0 22.0% \$0 100.0% \$2.7% \$0 CUSTOMER ACCOUNT \$0 \$0 0.0% \$0 0.0% \$0 100.0% \$2.7%	labor-meter	\$51,207	С	0.0%	\$0	0.0%	\$0	100.0%	\$51,207
misc. \$0 F 48.3% \$0 23.0% \$0 28.7% \$0 maint - sex & stdp \$18,468 D 75.0% \$13,851 25.0% \$4,617 0.0% \$0 maint - sex \$stdp \$18,468 D 75.0% \$13,851 25.0% \$4,617 0.0% \$0 maint - mains \$421,144 B 74.8% \$315,016 25.2% \$106,128 0.0% \$0 maint - service \$113,448 C 0.0% \$0 0.0% \$0 100.0% \$113,448 maint - hydrants \$36,713 E 0.5% \$184 99.5% \$36,530 0.0% \$48,963 maint - hydrants \$36,713 E 0.5% \$184 99.5% \$36,530 0.0% \$48,963 maint - hydrants \$36,713 E 0.5% \$184 99.5% \$36,530 0.0% \$20 20.0% \$20 20.0% \$20 20.0% \$20 20.0% \$20 10.0%	meter - supp & exp	\$0	С	0.0%	\$0	0.0%	\$0	100.0%	\$0
maint - struct. & improv. \$0 F 48.3% \$0 23.0% \$0 28.7% \$0 maint - res & stdp \$18,468 D 75.0% \$13,851 25.0% \$4,617 0.0% \$0 maint - mains \$421,144 B 74.8% \$315,016 25.2% \$106,128 0.0% \$0 maint - service \$113,448 C 0.0% \$0 0.0% \$0 100.0% \$113,448 maint - hydrants \$48,963 C 0.0% \$0 0.0% \$0 100.0% \$48,963 construction labor \$0 F 48.3% \$0 23.0% \$36,530 0.0% \$0 cust record labor \$108,840 C 0.0% \$0 0.0% \$0 100.0% \$108,840 cust records sup \$0 C 0.0% \$0 0.0% \$0 100.0% \$20,101 cust records sup \$0 C 0.0% \$0 0.0% \$0 100.0%	cust. install.	\$0	С	0.0%	\$0	0.0%	\$0	100.0%	\$0
maint res & stdp \$18,468 D 75.0% \$13,851 25.0% \$4,617 0.0% \$0 maint mains \$421,144 B 74.8% \$315,016 25.2% \$106,128 0.0% \$0 maint service \$113,448 C 0.0% \$0 0.0% \$0 100.0% \$113,448 maint meters \$48,963 C 0.0% \$0 0.0% \$0 100.0% \$48,963 maint hydrants \$36,713 E 0.5% \$184 99.5% \$36,530 0.0% \$0 CUSTOMER ACCOUNT \$0 F 48.3% \$0 23.0% \$0 28.7% \$0 Labor- meter read \$108,840 C 0.0% \$0 0.0% \$0 100.0% \$108,840 cust records sup \$0 C 0.0% \$0 0.0% \$0 100.0% \$20,2101 cust records sup \$0 C 0.0% \$0 0.0% \$0 100.0% <	misc.	\$0	F	48.3%	\$0	23.0%	\$0	28.7%	\$0
maint res & stdp \$18,468 D 75.0% \$13,851 25.0% \$4,617 0.0% \$0 maint mains \$421,144 B 74.8% \$315,016 25.2% \$106,128 0.0% \$0 maint service \$113,448 C 0.0% \$0 0.0% \$0 100.0% \$113,448 maint meters \$48,963 C 0.0% \$0 0.0% \$0 100.0% \$48,963 maint hydrants \$36,713 E 0.5% \$184 99.5% \$36,530 0.0% \$0 CUSTOMER ACCOUNT \$0 F 48.3% \$0 23.0% \$0 28.7% \$0 Labor- meter read \$108,840 C 0.0% \$0 0.0% \$0 100.0% \$108,840 cust record sup \$0 C 0.0% \$0 0.0% \$0 100.0% \$108,840 cust records sup \$0 C 0.0% \$0 0.0% \$0 100.0% <	maint - struct. & improv.	\$0	F	48.3%	\$0	23.0%	\$0	28.7%	\$0
maint service \$113,448 C 0.0% \$0 0.0% \$0 100.0% \$113,448 maint meters \$48,963 C 0.0% \$0 0.0% \$0 100.0% \$48,963 maint hydrants \$36,713 E 0.5% \$184 99.5% \$36,530 0.0% \$0 construction labor \$0 F 48.3% \$0 23.0% \$0 28.7% \$0 CUSTOMER ACCOUNT \$0 \$0 \$0.0% \$0 0.0% \$0 100.0% \$108,840 cust record labor \$202,101 C 0.0% \$0 0.0% \$0 100.0% \$202,101 cust records sup \$0 C 0.0% \$0 0.0% \$0 100.0% \$202,101 cust records sup \$0 C 0.0% \$0 0.0% \$0 100.0% \$202,101 cust records sup \$0 C 0.0% \$0 0.0% \$0 100.0% \$0	•	\$18,468	D	75.0%	\$13,851	25.0%	\$4,617	0.0%	\$0
maint meters \$48,963 C 0.0% \$0 0.0% \$0 100.0% \$44,963 maint hydrants \$36,713 E 0.5% \$184 99.5% \$36,530 0.0% \$0 CUSTOMER ACCOUNT \$0 \$0 \$0 \$0 \$0 \$0 \$0 labor- meter read \$108,840 C 0.0% \$0 0.0% \$0 100.0% \$108,840 cust record labor \$202,101 C 0.0% \$0 0.0% \$0 100.0% \$202,101 cust records sup \$0 C 0.0% \$0 0.0% \$0 100.0% \$202,101 cust records sup \$0 C 0.0% \$0 0.0% \$0 100.0% \$0 uncollectible \$0 C 0.0% \$0 0.0% \$0 100.0% \$0 salaries \$452,860 G 73.3% \$331,911 7.7% \$34,687 19.0% \$86,262 salari	maint mains	\$421,144	В	74.8%	\$315,016	25.2%	\$106,128	0.0%	\$0
maint meters \$48,963 C 0.0% \$0 0.0% \$0 100.0% \$44,963 maint hydrants \$36,713 E 0.5% \$184 99.5% \$36,530 0.0% \$0 CUSTOMER ACCOUNT \$0 \$0 \$0 \$0 \$0 \$0 \$0 labor- meter read \$108,840 C 0.0% \$0 0.0% \$0 100.0% \$108,840 cust record labor \$202,101 C 0.0% \$0 0.0% \$0 100.0% \$202,101 cust records sup \$0 C 0.0% \$0 0.0% \$0 100.0% \$202,101 cust records sup \$0 C 0.0% \$0 0.0% \$0 100.0% \$0 uncollectible \$0 C 0.0% \$0 0.0% \$0 100.0% \$0 salaries \$452,860 G 73.3% \$331,911 7.7% \$34,687 19.0% \$86,262 salari	maint service	\$113,448	С	0.0%	\$0	0.0%	\$0	100.0%	\$113.448
maint hydrants \$36,713 E 0.5% \$184 99.5% \$36,530 0.0% \$0 CUSTOMER ACCOUNT \$0 48.3% \$0 23.0% \$0 28.7% \$0 Labor- meter read \$108,840 C 0.0% \$0 0.0% \$0 100.0% \$108,840 cust record labor \$202,101 C 0.0% \$0 0.0% \$0 100.0% \$202,101 cust records sup \$0 C 0.0% \$0 0.0% \$0 100.0% \$202,101 cust records sup \$0 C 0.0% \$0 0.0% \$0 100.0% \$202,101 cust records sup \$0 C 0.0% \$0 0.0% \$0 100.0% \$0 100.0% \$0 uncollectible \$0 C 0.0% \$0 0.0% \$0 100.0% \$0 salaries \$452,860 G 73.3% \$331,911 7.7% \$34,687 19.0%	maint meters	\$48,963		0.0%	\$0	0.0%	\$0	100.0%	
construction labor \$0 F 48.3% \$0 23.0% \$0 28.7% \$0 CUSTOMER ACCOUNT \$0 \$0 \$0 \$0 \$0 \$0 \$100.0% \$108,840 cust record labor \$202,101 C 0.0% \$0 0.0% \$0 100.0% \$202,101 cust records sup \$0 C 0.0% \$0 0.0% \$0 100.0% \$0 meter read supplies \$0 C 0.0% \$0 0.0% \$0 100.0% \$0 uncollectible \$0 C 0.0% \$0 0.0% \$0 100.0% \$0 ADMIN. & GENERAL \$0 \$0 \$0 0.0% \$0 100.0% \$0 salaries \$452,860 G 73.3% \$331,911 7.7% \$34,687 19.0% \$86,262 office supplies & expenses \$0 G 73.3% \$0 7.7% \$0 19.0% \$0 insurance (property/		. ,		0.5%	\$184	99.5%	\$36.530	0.0%	
CUSTOMER ACCOUNT \$0 labor- meter read \$108,840 C 0.0% \$0 0.0% \$0 100.0% \$108,840 cust record labor \$202,101 C 0.0% \$0 0.0% \$0 100.0% \$202,101 cust records sup \$0 C 0.0% \$0 0.0% \$0 100.0% \$0 meter read supplies \$0 C 0.0% \$0 0.0% \$0 100.0% \$0 uncollectible \$0 C 0.0% \$0 0.0% \$0 100.0% \$0 ADMIN. & GENERAL \$0 \$0 0.0% \$0 100.0% \$0 \$0 100.0% \$0	,	. ,		48.3%	\$0	23.0%	. ,	28.7%	\$0
labor- meter read \$108,840 C 0.0% \$0 0.0% \$0 100.0% \$108,840 cust record labor \$202,101 C 0.0% \$0 0.0% \$0 100.0% \$202,101 cust records sup \$0 C 0.0% \$0 0.0% \$0 100.0% \$0 meter read supplies \$0 C 0.0% \$0 0.0% \$0 100.0% \$0 uncollectible \$0 C 0.0% \$0 0.0% \$0 100.0% \$0 ADMIN. & GENERAL \$0 \$0 0.0% \$0 0.0% \$0 100.0% \$0 salaries \$452,860 G 73.3% \$331,911 7.7% \$34,687 19.0% \$86,262 office supplies & expenses \$0 G 73.3% \$0 7.7% \$0 19.0% \$86,262 office supplies & expenses \$0 G 73.3% \$0 7.7% \$0 19.0% \$0 <td></td> <td></td> <td></td> <td></td> <td>**</td> <td></td> <td>**</td> <td></td> <td>**</td>					**		**		**
cust record labor \$202,101 C 0.0% \$0 0.0% \$0 100.0% \$202,101 cust records sup \$0 C 0.0% \$0 0.0% \$0 100.0% \$0 meter read supplies \$0 C 0.0% \$0 0.0% \$0 100.0% \$0 uncollectible \$0 C 0.0% \$0 0.0% \$0 100.0% \$0 ADMIN. & GENERAL \$0 S0 C 0.0% \$0 0.0% \$0 100.0% \$0 salaries \$452,860 G 73.3% \$331,911 7.7% \$34,687 19.0% \$86,262 office supplies & expenses \$0 G 73.3% \$0 7.7% \$0 19.0% \$0 insurance (property/liability/wc) \$0 G 73.3% \$0 7.7% \$0 19.0% \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 <td></td> <td></td> <td>С</td> <td>0.0%</td> <td>\$0</td> <td>0.0%</td> <td>\$0</td> <td>100.0%</td> <td>\$108.840</td>			С	0.0%	\$0	0.0%	\$0	100.0%	\$108.840
cust records sup meter read supplies \$0 C 0.0% \$0 0.0% \$0 100.0% \$0 uncollectible meter read supplies \$0 C 0.0% \$0 0.0% \$0 100.0% \$0 ADMIN. & GENERAL solutions \$0 \$0 \$0 0.0% \$0 100.0% \$0 salaries \$452,860 G 73.3% \$331,911 7.7% \$34,687 19.0% \$86,262 office supplies & expenses \$0 G 73.3% \$0 7.7% \$0 19.0% \$0 insurance (property/liability/wc) \$0 G 73.3% \$0 7.7% \$0 19.0% \$0 OPEB Trust Contrib. \$0 H 55.8% \$0 11.9% \$0 32.4% 0 employee benefits \$0 H 55.8% \$0 11.9% \$0 32.4% 0 maint plant \$121,111 G 73.3% \$88,765 7.7% \$9,277 19.0% <t< td=""><td></td><td>. ,</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>		. ,							
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	• .								
		_							

⁽¹⁾ See Joint Settl. Sch. 3B

ALLOCATION SYMBOLS

ALLOCATION		FIRE	CUST			
SYMBOL	GEN'L WATER	SERVICE	SERVICE			
Α	99.50%	0.50%	0.00%	Supply & Treatment		
В	74.80%	25.20%	0.00%	T&D Mains		
С	0.00%	0.00%	100.00%	Meters		
D	75.00%	25.00%	0.00%	Storage		
E	0.50%	99.50%	0.00%	Hydrants		
F	48.26%	23.00%	28.74%	Misc T&D		
G	73.29%	7.66%	19.05%	Direct O&M (50% of F	Purch Water) Benefi	ts & Vacation
Н	55.79%	11.85%	32.36%	Labor		
I	78.18%	19.76%	2.06%	IFR Costs (same as D	ebt/Capital)	
J	78.18%	19.76%	2.06%	Debt/Capital		
K	80.15%	11.55%	8.30%	Total Expense		
L	77.89%	21.03%	1.08%	PILOT		
M	100.00%	0.00%	0.00%	Meter Replacement P	rogram - all costs to	small meter rate
Р	79.74%	20.26%		Pumping Facilities		
				. 0		
Symbol B	Gal/Min	<u>%</u>				
Model Max. Day	10,410	74.84%				
Fire Demand		25.16%				
Max. Day Plus Fire	13,910	100.00%				
•	,					
Symbol J - Debt Service/CIP	Plant In Service	Symbol	Gen Water	<u>Fire</u>	Cust A	Cust B
Plant Value 6/30/2015		 -				<u></u>
Source of Supply	\$1,841,541	Α	\$1,832,333	\$9,208	\$0	\$0
Pumping Plant		Α	\$8,370,946	\$42,065	\$0	\$0
Water Treat. Plant		Α	\$21,947,129	\$110,287	\$0	\$0
T&D Storage		D	\$7,272,426	\$2,424,142	\$0	\$0
T&D Mains	\$95,652,793	В	\$71,548,289	\$24,104,504	\$0	\$0
T&D Hydrants		E	\$6,812	\$1,355,527	\$0	\$0
T&D Services		С	\$0	\$0	\$2,919,253	\$0
T&D Meters	\$2,193	С	\$0	\$0	\$2,193	\$0
General Plant		J	\$2,426,232	\$613,144	\$63,869	\$0
General Structures		J	\$568,990	\$143,792	\$14,978	<u>\$0</u>
Total	\$145,776,119		\$113,973,156	\$28,802,669	\$3,000,294	\$0
Percent	, , , ,		78.18%	19.76%	2.06%	0.00%
Symbol L - PILOT						
-, · · ·	Total	Symbol	Gen Water	Fire	Cust A	Cust B
Storage	\$7,258	D	\$5,443	\$1,814	\$0	\$0
Office	\$1,311	G	\$961	\$100	\$125	\$125
PS/Wells/Treatment	\$14,554	P	\$11,605	\$2,949	\$0	\$0
Total	\$23,123	-	\$18,010	\$4,864	\$125	\$125
Percent	Ţ==, ·= 0		77.89%	21.03%	0.54%	0.54%
				25576	3.3.70	0.0.70

Symbol M - Meter Replacement Program

The Authority is proposing to replace all residential meters that are 2" and less. Accordingly, we propose to assign all the meter replacement costs to the small meter rate (for meters 2" and less).

Symbol P - Pumping Facilities (per Decision in Dockets 2098, 2555, 3660, 4067)

	<u>Percent</u>	Symbol	<u>Gen Water</u>	<u>Fire</u>	Cust A	Cust B
Supply Well Pumps	20.00%	Α	19.90%	0.10%	0.00%	0.00%
Distribution Pumps	80.00%	В	59.84%	20.16%	0.00%	0.00%
Total	100.00%	Р	79.74%	20.26%	0.00%	0.00%

PROPOSED FIRE SERVICE CHARGES

PUBLIC FIRE SERVICE

Quarterly Charge/Hydrant = \$181.13 Plus Billing Charge = \$8.72

PRIVATE FIRE SERVICE

QUARTERLY
<u>CHARGE</u>
\$72.90
\$195.16
\$406.04
\$723.24
\$1,162.88
\$195.16

ALLOCATION OF FIRE SERVICE EXPENSES TO PUBLIC AND PRIVATE FIRE SERVICE

	NUMBER	DEMAND FACTOR (1)	NO. OF EQUIVS.	PERCENT OF DEMAND	NON-HYDR. REQUIRED	DIRECT HYDRANT	<u>TOTAL</u>
PUBLIC FIRE SERVICE							
Hydrants	2,357	111.31	262,360	89.84%	\$2,210,877	\$102,812	\$2,313,689
PRIVATE FIRE SERVICE							
SIZE (IN)							
4	16	38.32	613				
6	95	111.31	10,575				
8	16	237.21	3,795				
10	1	426.58	427				
12	1	689.04	689				
HYDRANTS	<u>122</u>	111.31	<u>13,580</u>				
TOTAL-PRIV.	251		29,679	10.16%	\$250,097	\$0	\$250,097
GRAND TOTALS	2,608		292,038	100.00%	\$2,460,975	======= \$102,812	\$2,563,787

Total Fire Allocation \$2,563,787

Less Direct Hydrant Related

O&M (\$82,555) Debt (\$20,257) Net Non-Hydrant \$2,460,975

(1) Based on size to the 2.63 power.

DETERMINATION OF FIRE SERVICE CHARGES

PUBLIC FIRE PROTECTION		CALCULATED CHARGE
PUBLIC FIRE ALLOCATION (1)	\$1,707,648	\$724.50
NUMBER OF PUBLIC HYDRANTS	2,357	ψ12 4 .50
	TOTAL QUARTERLY	\$181.13
	+ BILLING	\$8.72

PRIVATE FIRE PROTECTION

PRIVATE FIRE ALLOCATION (1,2)	\$198,848	
=================================	=	\$6.70 /EQUIV.
NO. OF EQUIV. UNITS	29,679	

	DEMAND	ANNUAL	QUARTERLY	BILLING	ALCULATED
SIZE (IN)	FACTOR	CHARGE	<u>CHARGE</u>	<u>CHARGE</u>	<u>CHARGE</u>
4	38.32	\$256.74	\$64.19	\$8.72	\$72.90
6	111.31	\$745.79	\$186.45	\$8.72	\$195.16
8	237.21	\$1,589.30	\$397.32	\$8.72	\$406.04
10	426.58	\$2,858.11	\$714.53	\$8.72	\$723.24
12	689.04	\$4,616.64	\$1,154.16	\$8.72	\$1,162.88
HYDRANTS	111.31	\$745.79	\$186.45	\$8.72	\$195.16

⁽¹⁾ Allocation from Sch 4A. Less subsidy

Service Line Maintenance Cost = \$150,350

Addtnl Allocation to Fire Service = \$12,726 (8.46%)

Service Line Equivale	<u>nts</u>		Metered Water	er Service	Private Fire	e Service
Meter Size (in)	Service Size (in)	Equivalents *	<u>Number</u>	Equivalents	Number	Equivalents
5/8 & 3/4	1	1.00	22,085	22,085		
1	1.5	1.80	3,651	6,572		
1 1/2	2	3.30	333	1,099		
2	3	4.60	510	2,346		
3	4	6.30	12	76	16	101
4	6	9.60	92	883	95	912
6	8	16.90	96	1,622	138	2,332
>8	10	29.60	72	<u>2,131</u>	2	<u>59</u>
Total				36,814		3,404
				91.54%		8.46%
* See Sch 5D						

Fire Protection S	ubsidy Calculation
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	<u>Existing</u>	<u>Initial</u>	<u>Proposed</u>	<u>Difference</u>
Public Fire	\$1,313,603	\$2,313,725	\$1,707,684	\$606,041
Private Fire	\$159,691	\$271,574	\$207,599	\$63,976
Total	\$1,473,295	\$2,585,300	\$1,915,283	\$670,017

⁽²⁾ Private Fire includes allocated service maintenance costs as detailed below less subsidy:

PROPOSED SERVICE CHARGES & DEMAND SURCHARGES

	SERVICE CHARGE			JRCHARGE_
METER SIZE	QUARTERLY	MONTHLY	QUARTERLY	MONTHLY
(inches)	ACCOUNTS	<u>ACCOUNTS</u>	ACCOUNTS	ACCOUNTS
5/8 &				
3/4	\$14.71	\$10.71	\$0.00	\$0.00
1	\$19.50	\$12.31	\$0.00	\$0.00
1 1/2	\$28.49	\$15.31	\$0.00	\$0.00
2	\$36.28	\$17.90	\$0.00	\$0.00
3	\$46.47	\$21.30	\$0.00	\$0.00
4	\$66.24	\$27.89	\$0.00	\$0.00
6	\$109.99	\$42.47	\$0.00	\$0.00
>8	\$186.09	\$67.84	\$0.00	\$0.00

ALLOCATION OF CUSTOMER SERVICE EXPENSES

	TOTAL	ALLOC.	<-CUST. M	ETER->	<cust< th=""><th>. BILL-></th></cust<>	. BILL->
EXPENSE ITEM	CUST. SERV.	SYMBOL (1)	<u>%</u>	<u>AMOUNT</u>	<u>%</u>	AMOUNT
TRANS & DISTR. EXPENSE						
labor	\$0	AA	100.00%	\$0	0.00%	0.00
supplies	\$0	AA	100.00%	\$0	0.00%	0.00
labor-meter	\$54,709	AA	100.00%	\$54,709	0.00%	0.00
meter - supp & exp	\$13	AA	100.00%	\$13	0.00%	0.00
cust. install.	\$0	AA	100.00%	\$0	0.00%	0.00
misc.	\$3,984	AA	100.00%	\$3,984	0.00%	0.00
maint - struct. & improv.	\$17,127	AA	100.00%	\$17,127	0.00%	0.00
maint res & stdp	\$0 \$0	AA	100.00%	\$0 \$0	0.00%	0.00
maint mains	\$0	AA	100.00%	\$0 \$450.350	0.00%	0.00
maint service	\$150,350 \$145,046	AA	100.00%	\$150,350 \$145,046	0.00%	0.00
maint meters	\$145,946	AA	100.00%	\$145,946	0.00%	0.00
maint hydrants	\$0 (\$30)	AA	100.00%	\$0 (\$30)	0.00%	0.00
construction labor	(\$20)	AA	100.00%	(\$20)	0.00%	0.00
CUSTOMER ACCOUNT labor- meter read	\$115,029	BB	0.00%	¢ 0	100.00%	115 020 76
cust record labor	\$212,511	BB	0.00%	\$0 \$0	100.00%	115,028.76 212,510.92
						100,171.00
cust records sup	\$100,171	BB BB	0.00%	\$0 \$0	100.00%	,
meter read supplies	\$2,619	BB	0.00%	\$0 \$0	100.00%	2,618.99
uncollectible	\$60,009	DD	0.00%	\$0	100.00%	60,008.92
ADMIN. & GENERAL salaries	\$88,598	CC	42.46%	\$37,617	57.54%	50,981.12
office supplies & expenses	\$51,307	CC	42.46% 42.46%	\$37,017 \$21,784	57.54% 57.54%	29,523.44
insurance (property/liability/w		CC	42.46%	\$21,784	57.54%	29,523.44
OPEB Trust Contrib.	\$25,886	CC	42.46%	\$10,991	57.54 % 57.54%	14,895.56
employee benefits	\$312,531	DD	41.02%	\$128,213	58.98%	184,318.43
maint plant	\$29,112	CC	42.46%	\$12,360	57.54%	16,751.72
maint plant maint vehicles	\$12,006	CC	42.46%	\$5,097	57.54%	6,908.48
miscellaneous	\$3,155	CC	42.46%	\$1,339	57.54%	1,815.19
vacation, holiday, sick	\$101,148	DD	41.02%	\$41,495	58.98%	59,653.09
regul. exp.	\$29,086	CC	42.46%	\$12,349	57.54%	16,736.87
outside service	\$17,899	CC	42.46%	\$7,600	57.54%	10,730.07
SUBTOTAL O&M	\$1,584,480	CC	42.46%	\$672,736	57.54%	911,743.79
COBTOTAL COM	ψ1,001,100	00	12.1070	ψ072,700	07.0170	011,710.70
FIXED CHARGES						
Debt Service	\$44,837	JJ	100.00%	\$44,837	0.00%	0.00
O&M Reserve	\$2,702	CC	42.46%	\$1,147	57.54%	1,554.83
R&R Reserve	\$2,724	JJ	100.00%	\$2,724	0.00%	0.00
O&M Reserve	\$2,058	JJ	100.00%	\$2,058	0.00%	0.00
Infrastructure Replacement	\$111,140	JJ	100.00%	\$111,140	0.00%	0.00
Meter Replacement	\$0	JJ	100.00%	\$0	0.00%	0.00
CIP	\$36,096	JJ	100.00%	\$36,096	0.00%	0.00
Payroll Taxes	\$56,827	DD	41.02%	\$23,313	58.98%	33,514.43
PILOT	<u>\$250</u>	EE	48.57%	<u>\$121</u>	51.43%	<u>128.48</u>
SUBTOTAL FIXED	\$256,634			\$221,436		35,197.74
OPERATING REVENUE	\$27,619	EE	48.57%	\$13,414	51.43%	14,205.54
TOTAL EXPENSES	\$1,868,734	EE	48.57%	¢007 587	51.43%	961,147.07
Less:	ψ1,000,734	LL	4 0.37 /0	\$907,587	J1. 4 J/0	301,147.07
Miscellaneous Income	(\$20,312)	EE	48.57%	(\$9,865)	51.43%	(10,447.05)
Merchand & Jobbing	(\$1,561)	EE	48.57%	(\$758)	51.43%	(802.78)
6.9% of Water Prot Fee	(\$3,782)	EE	48.57%	(\$1,837)	51.43%	(1,945.23)
	========			=======		=======
Total Revenue Requirement	\$1,843,079	EE	48.57%	\$895,127	51.43%	947,952.01

⁽¹⁾ See Joint Settl. Sch. 5C

ALLOCATION OF CUSTOMER SERVICE LABOR EXPENSES

	TOTAL	ALLOC.	<-CUST. M	IETER->	<cust< th=""><th></th></cust<>	
EXPENSE ITEM	CUST. SERV.	SYMBOL (1)	<u>%</u>	<u>AMOUNT</u>	<u>%</u>	<u>AMOUNT</u>
TRANS & DISTR. EXPENSE			-		-	
labor	0.00	AA	100.00%	\$0	0.00%	0.00
supplies	0.00	AA	100.00%	\$0	0.00%	0.00
labor-meter	51,207.23	AA	100.00%	\$51,207	0.00%	0.00
meter - supp & exp	0.00	AA	100.00%	\$0	0.00%	0.00
cust. install.	0.00	AA	100.00%	\$0	0.00%	0.00
misc.	0.00	AA	100.00%	\$0	0.00%	0.00
maint res & stdp	0.00	AA	100.00%	\$0	0.00%	0.00
maint mains	0.00	AA	100.00%	\$0	0.00%	0.00
maint service	113,447.63	AA	100.00%	\$113,448	0.00%	0.00
maint meters	48,962.86	AA	100.00%	\$48,963	0.00%	0.00
maint hydrants	0.00	AA	100.00%	\$0	0.00%	0.00
construction labor	0.00	AA	100.00%	\$0	0.00%	0.00
CUSTOMER ACCOUNT						
labor- meter read	108,840.28	BB	0.00%	\$0	100.00%	108,840.28
cust record labor	202,101.46	BB	0.00%	\$0	100.00%	202,101.46
cust records sup	0.00	BB	0.00%	\$0	100.00%	0.00
meter read supplies	0.00	BB	0.00%	\$0	100.00%	0.00
uncollectible	0.00	BB	0.00%	\$0	100.00%	0.00
ADMIN. & GENERAL						
salaries	86,261.78	CC	42.46%	\$36,625	57.54%	49,636.88
office supplies & expenses	0.00	CC	42.46%	\$0	57.54%	0.00
insurance (property/liability/w	0.00	CC	42.46%	\$0	57.54%	0.00
OPEB Trust Contrib.	0.00	DD	41.02%	\$0	58.98%	0.00
employee benefits	0.00	DD	41.02%	\$0	58.98%	0.00
maint plant	23,069.54	CC	42.46%	\$9,795	57.54%	13,274.71
maint vehicles	696.77	CC	42.46%	\$296	57.54%	400.94
miscellaneous	0.00	CC	42.46%	\$0	57.54%	0.00
vacation, holiday, sick	106,905.57	DD	41.02%	\$43,857	58.98%	63,048.62
regul. exp.	0.00	CC	42.46%	\$0	57.54%	0.00
outside service	0.00	CC	42.46%	<u>\$0</u>	57.54%	0.00
TOTAL LABOR	741,493.12	DD	41.02%	\$304,190	58.98%	437,302.88

⁽¹⁾ See Joint Settl. Sch. 5C

ALLOCATION SYMBOLS - CUSTOMER SERVICE

ALLOCATION	CUSTOM	CUSTOM	
SYMBOL	METER	<u>BILL</u>	<u>TOTAL</u>
AA	100.00%	0.00%	100.00% Meters
BB	0.00%	100.00%	100.00% Billing
CC	42.46%	57.54%	100.00% O&M
DD	41.02%	58.98%	100.00% Labor
EE	48.57%	51.43%	100.00% All Expenses
JJ	100.00%	0.00%	100.00% Capital/Debt

DETERMINATION OF EQUIVALENT METERS

METER		EQUIVALENCY	EQUIV. 5/8	DEMAND	DEMAND
SIZE (IN)	<u>NUMBER</u>	FACTOR (1)	IN. METERS	FACTOR (2)	EQUIVENTS
5/8 & 3/4	22,085	1.00	22,085	1.00	22,085
1	3,651	1.80	6,572	1.67	6,085
1 1/2	333	3.30	1,099	3.33	1,110
2	510	4.60	2,346	5.33	2,720
3	12	6.30	76	10.67	128
4	92	9.60	883	16.67	1,533
6	96	16.90	1,622	33.33	3,200
>8	<u>72</u>	29.60	<u>2,131</u>	53.33	<u>3,840</u>
TOTALS	26,851		36,814		40,701

⁽¹⁾ Based on prior KCWA dockets(2) Based on rated capacity of meter sizes

DETERMINATION OF PROPOSED SERVICE & DEMAND CHARGES

SERVICE CHARGES

DII	1.11	\sim	\sim 1.1	۸ 🗅	\sim \sim
DIL	.∟Ⅱ	NG	CH.	ΑR	ᅜᆮ

CUST. BILLING ALLOC. (1) \$947,952
----- = \$8.72 PER BILLING
NUMBER OF BILLINGS 108,752

METER CHARGE

CUST. METER ALLOC. (1,3) \$882,401 = \$23.97 / EQ. METER/YR NO. EQUIV. METERS (2) 36,814

TOTAL SERVICE CHARGES

	QUARTERLY ACCOUNTS			MONT	HLY ACCOUN	TS
METER	METER	BILLING	TOTAL	METER	BILLING	TOTAL
SIZE (IN)	<u>CHARGE</u>	<u>CHARGE</u>	CHARGE	CHARGE	CHARGE	CHARGE
5/8 & 3/4	\$5.99	\$8.72	\$14.71	\$2.00	\$8.72	\$10.71
1	\$10.79	\$8.72	\$19.50	\$3.60	\$8.72	\$12.31
1 1/2	\$19.77	\$8.72	\$28.49	\$6.59	\$8.72	\$15.31
2	\$27.56	\$8.72	\$36.28	\$9.19	\$8.72	\$17.90
3	\$37.75	\$8.72	\$46.47	\$12.58	\$8.72	\$21.30
4	\$57.53	\$8.72	\$66.24	\$19.18	\$8.72	\$27.89
6	\$101.27	\$8.72	\$109.99	\$33.76	\$8.72	\$42.47
>8	\$177.37	\$8.72	\$186.09	\$59.12	\$8.72	\$67.84

- (1) See Joint Settl. Sch. 5A
- (2) See Joint Settl. Sch. 5D
- (3) Less allocation of Service Maintenance Costs to Private Fire Service see Joint Settl. Sch. 4B and less

DEMAND SURCHARGE

DEMAND COSTS (4)		\$0	
	=	=	\$0.00 / DEMAND EQ./YR
NO.DEMAND EQUIVS (2)		40,701	

TOTAL DEMAND SURCHARGES

METER	QUARTERLY	MONTHLY
SIZE (IN)	<u>CHARGE</u>	CHARGE
5/8 & 3/4	\$0.00	\$0.00
1	\$0.00	\$0.00
1 1/2	\$0.00	\$0.00
2	\$0.00	\$0.00
3	\$0.00	\$0.00
4	\$0.00	\$0.00
6	\$0.00	\$0.00
>8	\$0.00	\$0.00

(4) Share of fixed costs allocated based on meter capacity ratios

Costs to be recovered

ALLOCATION OF GENERAL WATER EXPENSES TO BASE AND EXTRA CAPACITY

	TOTAL	ALLOC.	BAS	E	EXTRA CAPN	MAX DAY	EXTRA CAPF	PEAK HR
EXPENSE ITEM	GEN'L WATER	SYMBOL (1)	%	AMOUNT	<u>%</u>	AMOUNT	<u>%</u>	AMOUNT
SOURCE OF SUPPLY								
maint of wells/supply study	\$18,427	aa	100.00%	\$18,427	0.00%	\$0	0.00%	\$0
purchased water	\$4,276,093	aa	100.00%	\$4,276,093	0.00%	\$0	0.00%	\$0
PUMPING OPERATIONS								
fuel for pumping	\$23,575	aa	100.00%	\$23,575	0.00%	\$0	0.00%	\$0
power	\$765,834	aa	100.00%	\$765,834	0.00%	\$0	0.00%	\$0
labor-pumping	\$68,455	pp	62.64%	\$42,880	37.36%	\$25,575	0.00%	\$0
pumping expense	\$0	pp	62.64%	\$0	37.36%	\$0	0.00%	\$0
maint structures & improv	\$68,903	pp	62.64%	\$43,161	37.36%	\$25,742	0.00%	\$0
diesel oil	\$0	pp	62.64%	\$0	37.36%	\$0	0.00%	\$0
maint equip	\$46,709	pp	62.64%	\$29,259	37.36%	\$17,451	0.00%	\$0
WATER TREATMENT								
chemicals	\$162,097	aa	100.00%	\$162,097	0.00%	\$0	0.00%	\$0
labor	\$193,031	aa	100.00%	\$193,031	0.00%	\$0	0.00%	\$0
operating / Mishnock	\$68,055	aa	100.00%	\$68,055	0.00%	\$0	0.00%	\$0
maint water treat equip	\$18,263	aa	100.00%	\$18,263	0.00%	\$0	0.00%	\$0
maint structure	\$677	aa	100.00%	\$677	0.00%	\$0	0.00%	\$0
TRANS & DISTR. EXPENSE								
storage facilities exp.	\$0	dd	0.00%	\$0	0.00%	\$0	100.00%	\$0
labor	\$18,570	bb	53.30%	\$9,898	46.70%	\$8,672	0.00%	\$0
supplies	\$83,580	bb	53.30%	\$44,548	46.70%	\$39,032	0.00%	\$0
labor-meter	\$0	СС	0.00%	\$0	0.00%	\$0	0.00%	\$0
meter - supp & exp	\$0	СС	0.00%	\$0	0.00%	\$0	0.00%	\$0
cust. install.	\$0	CC	0.00%	\$0	0.00%	\$0	0.00%	\$0
misc.	\$6,689	ff	51.89%	\$3,471	45.40%	\$3,037	2.71%	\$181
maint - struct. & improv.	\$28,760	ff	51.89%	\$14,923	45.40%	\$13.057	2.71%	\$780
maint res & stdp	\$15,979	dd	0.00%	\$0	0.00%	\$0	100.00%	\$15,979
maint mains	\$470,905	bb	53.30%	\$250,992	46.70%	\$219,913	0.00%	\$0
maint service	\$0	CC	0.00%	\$0	0.00%	\$0	0.00%	\$0
maint meters	\$0	CC	0.00%	\$0	0.00%	\$0	0.00%	\$0
maint hydrants	\$415	aa	100.00%	\$415	0.00%	\$0	0.00%	\$0
construction labor	(\$33)	ff	51.89%	(\$17)	45.40%	(\$15)	2.71%	(\$1)
CUSTOMER ACCOUNT	(400)	••	01.0070	(4)	.0	(4.5)	2	(4.)
labor- meter read	\$0	СС	0.00%	\$0	0.00%	\$0	0.00%	\$0
cust record labor	\$0	CC	0.00%	\$0	0.00%	\$0	0.00%	\$0
cust records sup	\$0	CC	0.00%	\$0	0.00%	\$0	0.00%	\$0
meter read supplies	\$0	CC	0.00%	\$0	0.00%	\$0	0.00%	\$0
W/P Reimbursement	\$0	CC	0.00%	\$0	0.00%	\$0	0.00%	\$0
ADMIN. & GENERAL	ΨΟ	00	0.0070	ΨΟ	0.0070	ΨΟ	0.0070	ΨΟ
salaries	\$340,899	gg	88.84%	\$302,840	10.60%	\$36,132	0.57%	\$1,928
office supplies & expenses	\$197,417	99 99	88.84%	\$175,376	10.60%	\$20,924	0.57%	\$1,116
insurance (property/liability/wc)	\$197,406	gg gg	88.84%	\$175,367	10.60%	\$20,923	0.57%	\$1,116
OPEB Trust Contrib.	\$44,631	99 hh	75.59%	\$33,737	22.93%	\$10,232	1.48%	\$663
employee benefits	\$538,840	hh	75.59%	\$407,310	22.93%	\$123,529	1.48%	\$8.001
maint plant	\$112,015		88.84%	\$99,509	10.60%	\$11,872	0.57%	\$633
maint plant maint vehicles	\$46,195	gg	88.84%	\$41,038	10.60%	\$4,896	0.57%	\$261
miscellaneous		gg	88.84%		10.60%	\$4,696 \$1,286	0.57%	\$69
	\$12,138 \$174,301	gg hh	75.59%	\$10,783 \$131,822	22.93%	\$1,286 \$39,979	0.57% 1.48%	\$09 \$2,589
vacation, holiday, sick regul. exp.	\$174,391 \$111,916		75.59% 88.84%	\$131,822 \$99,421	22.93% 10.60%	\$39,979 \$11,862	1.48% 0.57%	\$2,589 \$633
regui. exp. outside service		gg	88.84%		10.60%	\$11,862 \$7,300	0.57% 0.57%	\$633 \$389
SUBTOTAL O&M	<u>\$68,870</u> \$8,179,704	gg	88.84% 91.74%	<u>\$61,181</u> \$7,503,967	7.84%	\$641,399	0.57% 0.42%	\$369 \$34,338
SOBTOTAL ORIVI	φυ, 179,704		31.7470	ψ1,503,90 <i>1</i>	7.0470	ψυ≒ ।,उड्ड	U.42 /0	ψυ 4 ,330

ALLOCATION OF GENERAL WATER EXPENSES TO BASE AND EXTRA CAPACITY

	TOTAL	ALLOC.	BAS	<u>SE</u>	EXTRA CAP.	MAX DAY	EXTRA CAP	PEAK HR
EXPENSE ITEM	GEN'L WATER	SYMBOL (1)	%	AMOUNT	%	AMOUNT	<u>%</u>	AMOUNT
FIXED CHARGES								
Debt Service	\$1,703,232	jj	60.52%	\$1,030,815	32.93%	\$560,804	6.55%	\$111,613
O&M Reserve	\$10,397	gg	88.84%	\$9,236	10.60%	\$1,102	0.57%	\$59
R&R Reserve	\$103,465	jj	60.52%	\$62,618	32.93%	\$34,067	6.55%	\$6,780
Renewal & Replacement - Equip	\$78,184	jj	60.52%	\$47,318	32.93%	\$25,743	6.55%	\$5,123
Infrastructure Replacement	\$4,221,920	ii	60.52%	\$2,555,152	32.93%	\$1,390,103	6.55%	\$276,664
Meter Replacement	\$2,000,000	mm	100.00%	\$2,000,000	0.00%	\$0	0.00%	\$0
CIP	\$1,371,200	ii	60.52%	\$829,866	32.93%	\$451,479	6.55%	\$89,855
Payroll Taxes	\$97,977	hh	75.59%	\$74,061	22.93%	\$22,461	1.48%	\$1,455
PILOT	\$18,010	II	44.60%	\$8,033	25.01%	\$4,505	30.38%	\$5,472
SUBTOTAL FIXED	\$9,604,384			\$6,617,098	25.93%	\$2,490,264	5.17%	\$497,022
OPERATING REVENUE	\$266,788	kk	79.40%	\$211,837	17.61%	\$46,980	2.99%	\$7,971
TOTAL EXPENSES	\$18,050,875	kk	79.40%	\$14,332,902	17.61%	\$3,178,642	2.99%	\$539,331
Less:								
Miscellaneous Income	(\$196,201)	kk	79.40%	(\$155,789)	17.61%	(\$34,550)	2.99%	(\$5,862)
Interest Income	(\$17,203)	kk	79.40%	(\$13,660)	17.61%	(\$3,029)	2.99%	(\$514)
Merchand & Jobbing	(\$15,077)	kk	79.40%	(\$11,971)	17.61%	(\$2,655)	2.99%	(\$450)
6.9% of Water Prot Fee	(\$36,532)	kk	79.40%	(\$29,008)	17.61%	(\$6,433)	2.99%	(\$1,092)
	=======			=======		=======		=======
Total Revenue Requirement	\$17,785,861	kk	79.40%	\$14,122,473	17.61%	\$3,131,975	2.99%	\$531,413
Less: Demand Surcharge Rev	<u>\$0</u>	jj	60.52%	\$0	32.93%	\$0	6.55%	\$0
Required From Metered Rates	\$17,785,861			\$14,122,473		\$3,131,975		\$531,413
Less: Meter replace. costs	(\$2,000,000)	mm	100.00%	(\$2,000,000)	0.00%	\$0	0.00%	\$0
Plus Fire Subsidy	\$670,017			\$670,017				
Net After Meter Replacement	\$16,455,878			\$12,792,490		\$3,131,975		\$531,413
(1) See Joint Settl. Sch. 6B				77.74%		19.03%		3.23%

ALLOCATION OF GENERAL WATER LABOR EXPENSE TO BASE AND EXTRA CAPACITY

	TOTAL	ALLOC.	BASE	<u> </u>	EXTRA CAPN	MAX DAY	EXTRA CAP	PEAK HR
EXPENSE ITEM	GEN'L WATER	SYMBOL (1)	<u>%</u>	<u>AMOUNT</u>	<u>%</u>	AMOUNT	<u>%</u>	<u>AMOUNT</u>
PUMPING OPERATIONS								
labor-pumping	\$64,881	pp	62.64%	\$40,641	37.36%	\$24,239	0.00%	\$0
maint structures & improv	\$61,710	pp	62.64%	\$38,655	37.36%	\$23,055	0.00%	\$0
maint equip	\$30,903	pp	62.64%	\$19,358	37.36%	\$11,545	0.00%	\$0
WATER TREATMENT								
labor	\$184,200	aa	100.00%	\$184,200	0.00%	\$0	0.00%	\$0
TRANS & DISTR. EXPENSE								
labor	\$0	bb	53.30%	\$0	46.70%	\$0	0.00%	\$0
maint res & stdp	\$13,851	dd	0.00%	\$0	0.00%	\$0	100.00%	\$13,851
maint mains	\$315,016	bb	53.30%	\$167,903	46.70%	\$147,112	0.00%	\$0
maint hydrants	\$184	aa	100.00%	\$184	0.00%	\$0	0.00%	\$0
CUSTOMER ACCOUNT								
labor- meter read	\$0	CC	0.00%	\$0	0.00%	\$0	0.00%	\$0
cust record labor	\$0	CC	0.00%	\$0	0.00%	\$0	0.00%	\$0
cust records sup	\$0	CC	0.00%	\$0	0.00%	\$0	0.00%	\$0
meter read supplies	\$0	CC	0.00%	\$0	0.00%	\$0	0.00%	\$0
uncollectible	\$0	CC	0.00%	\$0	0.00%	\$0	0.00%	\$0
ADMIN. & GENERAL								
salaries	\$331,911	gg	88.84%	\$294,855	10.60%	\$35,179	0.57%	\$1,877
maint plant	\$88,765	gg	88.84%	\$78,855	10.60%	\$9,408	0.57%	\$502
maint vehicles	\$2,681	gg	88.84%	\$2,382	10.60%	\$284	0.57%	\$15
miscellaneous	\$0	gg	88.84%	\$0	10.60%	\$0	0.57%	\$0
vacation, holiday, sick	\$184,317	hh	75.59%	\$139,326	22.93%	\$42,255	1.48%	\$2,737
regul. exp.	\$0	gg	88.84%	\$0	10.60%	\$0	0.57%	\$0
outside service	<u>\$0</u>	gg	88.84%	<u>\$0</u>	10.60%	<u>\$0</u>	0.57%	<u>\$0</u>
TOTAL LABOR	\$1,278,419	hh	75.59%	\$966,359	22.93%	\$293,078	1.48%	\$18,982

⁽¹⁾ See Joint Settl. Sch. 6B

ALLOCATION SYMBOLS - GENERAL WATER

ALLOCATION SASE Max Day PEAK HOUR % % % \(\frac{1}{2} \) \(\frac{1}{2} \			EXTRA C	<u>APACITY</u>		
Baa		BASE				
bb	SYMBOL	<u>%</u>	<u>%</u>	<u>%</u>	<u>TOTAL</u>	
bb	aa	100.00%	0.00%	0.00%	100.00%	Supply & Treatment
CC						
dd 0.00% 0.00% 100.00% 100.00% Storage ee 0.00% 0.00% 0.00% Not Used ff 51.89% 45.40% 2.71% 100.00% Misc. T&D 100.00% Labor 100.00% Misc. T&D 100						
ee 0.00% 0.00% 0.00% 0.00% IDENT IDENT Section of Supply Plant 0.00% No.00% IDENT Description						
ff						•
9g						
hh 75.59% 22.93% 1.48% 100.00% Labor 100.00% FR - same as capital 100.00% 100.00% IR - same as capital 100.00% 100.00% IR - same as capital 100.00% 100.00% 100.00% IR - same as capital 100.00% 100.00% IR - same as capital 100.00% 100.00% IR - same as capital Indication Indic						
File						
ji						
Kk						•
II						
Pp						•
Name						
Symbol bb	• •					
Average Day 5,552 53,33% 46,67% Max Day Increment Maximum Day 10,410 100.00%		100.0070	0.0070	0.0070	100.0070	Weter costs just to small meter class base
Average Day 4,858 46,67%	Symbol SS	Gal/Min	%			
Max Day Increment Maximum Day	Average					
Maximum Day						
Symbol jj Item						
Source of Supply Si,832,333 Si, Si,832,333 Si,832,333 Si, Si,832,333 Si, Si,832,333 Si, Si,832,333 Si,832,338 Si,832,238 S	Waxiiiaii	1 Day 10,410	100.0070			
Source of Supply Si,832,333 Si, Si,832,333 Si,832,333 Si, Si,832,333 Si, Si,832,333 Si, Si,832,333 Si,832,338 Si,832,238 S	Symbol ii				EXTRA C	APACITY
Source of Supply		Amount (1)	Symbol	BASE		
Pumping Plant \$8,370,946 pp \$5,243,561 \$3,127,386 \$0 \$0 \$1,247,129 \$0 \$0 \$0 \$1,247,129 \$0 \$0 \$0 \$1,247,246 \$0 \$0 \$0 \$1,247,246 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$						
Water Treat. Plant \$21,947,129 aa \$21,947,129 \$0 \$0 T&D Storage \$7,272,426 dd \$0 \$0 \$7,272,426 T&D Mains \$71,548,289 bb \$38,135,238 \$33,413,051 \$0 T&D Hydrants \$6,812 aa \$6,812 \$0 \$0 T&D Meters \$0 cc \$0 \$0 \$0 General Plant \$2,426,232 jj \$1,468,382 \$798,858 \$158,992 General Structures \$568,990 jj \$344,395 \$187,345 \$37,286 Total \$113,973,156 \$68,977,813 \$37,526,639 \$7,468,704 Percent 60.52% 32.93% 6.55% (1) See Joint Settl. Sch. 3B Symbol BASE MAX DAY PEAK HOUR Storage \$5,443 dd \$0 \$0 \$5,443 Office \$961 kk \$763 \$169 \$29 PS/Wells \$11,605 pp \$7,270 \$4,336						
T&D Storage T&D Mains T&D Mains T&D Hydrants \$7,272,426 dd \$0 \$7,272,426 T&D Mains T&D Hydrants T&D Hydrants T&D Meters \$6,812 aa \$6,812 \$0 \$0 T&D Meters General Plant General Structures \$2,426,232 jj \$1,468,382 \$798,858 \$158,992 General Structures \$568,990 jj \$344,359 \$187,345 \$37,286 Total Percent (1) See Joint Settl. Sch. 3B \$568,977,813 \$37,526,639 \$7,468,704 Symbol II Item Amount (1) Storage \$5,443 dd \$0 \$5,443 Office \$961 kk \$763 \$169 \$29 PS/Wells \$11,605 pp \$7,272 \$4,336 \$0 Total \$18,010 \$8,033 \$4,505 \$5,472 Percent (1) See Joint Settl. Sch. 3B \$29mbol pp \$25,01% 30.38% Symbol pp \$25,01% \$25,01% \$0.00% Supply Wells Distribution \$0.00% \$20.00% \$37,36% 0.00%						•
T&D Mains T&D Mydrants \$71,548,289 bb \$38,135,238 sh,130,051 \$0 T&D Hydrants T&D Meters So cc General Plant General Plant General Plant Span General Structures Span General Span Genera						·
T&D Hydrants T&D Meters \$6,812 aa \$0,812 book sold sold sold sold sold sold sold sold				•	• -	
T&D Meters S0 Cc S0 S0 S0 S0 S0 S0 S0 S		. , ,			. , ,	·
General Plant \$2,426,232 jj \$1,468,382 \$798,858 \$158,992				. ,		·
Separation		* -		* -	• -	• -
Total \$113,973,156 \$68,977,813 \$37,526,639 \$7,468,704 Percent	·					
Percent (1) See Joint Settl. Sch. 3B Symbol II			IJ			
(1) See Joint Settl. Sch. 3B Symbol II Item Amount (1) Symbol BASE MAX DAY PEAK HOUR Storage \$5,443 dd \$0 \$0 \$5,443 Office \$961 kk \$763 \$169 \$29 PS/Wells \$11,605 pp \$7,270 \$4,336 \$0 Total \$18,010 \$8,033 \$4,505 \$5,472 Percent 44.60% 25.01% 30.38% (1) See Joint Settl. Sch. 3B Symbol pp EXTRA CAPACITY Item % Symbol BASE MAX DAY PEAK HOUR Supply Wells 20.00% aa 20.00% 0.00% 0.00% Distribution 80.00% bb 42.64% 37.36% 0.00%		\$113,973,130				
Symbol II Item Amount (1) Symbol BASE MAX DAY PEAK HOUR Storage \$5,443 dd \$0 \$0 \$5,443 Office \$961 kk \$763 \$169 \$29 PS/Wells \$11,605 pp \$7,270 \$4,336 \$0 Total \$18,010 \$8,033 \$4,505 \$5,472 Percent 44.60% 25.01% 30.38% (1) See Joint Settl. Sch. 3B EXTRA CAPACITY Item % Symbol BASE MAX DAY PEAK HOUR Supply Wells 20.00% aa 20.00% 0.00% 0.00% Distribution 80.00% bb 42.64% 37.36% 0.00%		RR.		00.32 /0	32.9370	0.55 %
Item Amount (1) Symbol BASE MAX DAY PEAK HOUR Storage \$5,443 dd \$0 \$0 \$5,443 Office \$961 kk \$763 \$169 \$29 PS/Wells \$11,605 pp \$7,270 \$4,336 \$0 Total \$18,010 \$8,033 \$4,505 \$5,472 Percent 44.60% 25.01% 30.38% (1) See Joint Settl. Sch. 3B EXTRA CAPACITY Item % Symbol BASE MAX DAY PEAK HOUR Supply Wells 20.00% aa 20.00% 0.00% 0.00% Distribution 80.00% bb 42.64% 37.36% 0.00%	(1) See John Setti. Sch. t	טס				
Item Amount (1) Symbol BASE MAX DAY PEAK HOUR Storage \$5,443 dd \$0 \$0 \$5,443 Office \$961 kk \$763 \$169 \$29 PS/Wells \$11,605 pp \$7,270 \$4,336 \$0 Total \$18,010 \$8,033 \$4,505 \$5,472 Percent 44.60% 25.01% 30.38% (1) See Joint Settl. Sch. 3B EXTRA CAPACITY Item % Symbol BASE MAX DAY PEAK HOUR Supply Wells 20.00% aa 20.00% 0.00% 0.00% Distribution 80.00% bb 42.64% 37.36% 0.00%	Symbol II				EXTRA C	APACITY
Storage \$5,443 dd \$0 \$0 \$5,443 Office \$961 kk \$763 \$169 \$29 PS/Wells \$11,605 pp \$7,270 \$4,336 \$0 Total \$18,010 \$8,033 \$4,505 \$5,472 Percent 44.60% 25.01% 30.38% (1) See Joint Settl. Sch. 3B EXTRA CAPACITY Item % Symbol BASE MAX DAY PEAK HOUR Supply Wells 20.00% aa 20.00% 0.00% 0.00% Distribution 80.00% bb 42.64% 37.36% 0.00%	•	Amount (1)	Symbol	BASE		
Office \$961 kk \$763 \$169 \$29 PS/Wells \$11,605 pp \$7,270 \$4,336 \$0 Total \$18,010 \$8,033 \$4,505 \$5,472 Percent 44.60% 25.01% 30.38% (1) See Joint Settl. Sch. 3B EXTRA CAPACITY Symbol pp Item % Symbol BASE MAX DAY PEAK HOUR Supply Wells 20.00% aa 20.00% 0.00% 0.00% Distribution 80.00% bb 42.64% 37.36% 0.00%						
PS/Wells \$11,605 pp \$7,270 \$4,336 \$0 Total \$18,010 \$8,033 \$4,505 \$5,472 Percent 44.60% 25.01% 30.38% (1) See Joint Settl. Sch. 3B Symbol pp EXTRA CAPACITY Item	•					
Total \$18,010 \$8,033 \$4,505 \$5,472 Percent 44.60% 25.01% 30.38% (1) See Joint Settl. Sch. 3B Symbol pp EXTRA CAPACITY tem					•	
Percent			PΡ			
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Symbol pp EXTRA CAPACITY Item % Symbol BASE MAX DAY PEAK HOUR Supply Wells 20.00% aa 20.00% 0.00% 0.00% Distribution 80.00% bb 42.64% 37.36% 0.00%		D		44.00%	23.01%	30.36%
Item % Symbol BASE MAX DAY PEAK HOUR Supply Wells 20.00% aa 20.00% 0.00% 0.00% Distribution 80.00% bb 42.64% 37.36% 0.00%	(1) See Joint Setti. Sch. 3	Ь				
Item % Symbol BASE MAX DAY PEAK HOUR Supply Wells 20.00% aa 20.00% 0.00% 0.00% Distribution 80.00% bb 42.64% 37.36% 0.00%	Symbol nn				EXTRA C	APACITY
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Distribution 80.00% bb 42.64% 37.36% 0.00%						
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i Utal I pp 02.04% 57.30% 0.00%	DISTIL					
		ı otal I	ЬÞ	02.04 /0	31.30%	0.0070

ALLOCATION OF GENERAL WATER EXPENSES TO CUSTOMER CLASSES

Class Demands

CUSTOMER	AVERAGE DI	<u>EMANDS</u>	MAX DAY EXTRA CAPACITY			
<u>CLASS</u>	(GALS/DAY)	PERCENT	FACTOR [1] O	TAL GAL/DAY X	TRA GAL/DAY	PERCENT
Small	6,024,134	90.49%	2.7	16,265,161	10,241,027	96.83%
Medium	136,733	2.05%	2	273,466	136,733	1.29%
Large	<u>496,732</u>	<u>7.46%</u>	1.4	695,425	<u>198,693</u>	<u>1.88%</u>
Total	6,657,599	100.00%		17,234,052	10,576,453	100.00%
CUSTOMER	AVERAGE DI	EMANDS	PE.	AK HOUR EXTR	A CAPACITY	
<u>CLASS</u>	(GALS/DAY)	PERCENT	FACTOR O	TAL GAL/DAY X	TRA GAL/DAY	PERCENT
Small	6,024,134	90.49%	3.4	20,482,055	4,216,894	96.48%
Medium	136,733	2.05%	2.4	328,159	54,693	1.25%
Large	496,732	<u>7.46%</u>	1.6	<u>794,771</u>	99,346	<u>2.27%</u>
Total	6,657,599	100.00%		21,604,985	4,370,933	100.00%

^{[1] -} Described in the April, 1992 Cost of Service Study and as used in the Dockets # 2098 through 4067

Allocation of Costs to Classes

CUSTOMER	BASE C	<u>OSTS</u>	MAX. DAY EXTE	RA CAPACITY	PEAK HR. EXTR	A CAPACITY	TOTAL
<u>CLASS</u>	PERCENT	AMOUNT	PERCENT	AMOUNT	PERCENT	<u>AMOUNT</u>	<u>AMOUNT</u>
Small *	90.49%	\$13,575,296	96.83%	\$3,032,646	96.48%	\$512,685	\$17,120,627
Medium	2.05%	\$262,730	1.29%	\$40,490	1.25%	\$6,650	\$309,870
Large	<u>7.46%</u>	\$954,464	<u>1.88%</u>	\$58,838	2.27%	\$12,078	\$1,025,381
Total	100.00%	\$14,792,490	100.00%	\$3,131,975	100.00%	\$531,413	\$18,455,878

^{*} Adjusted to include all meter replacement costs in small class rate.

METERED WATER RATES

Small (5/8-2" meters)

Total Expense (2)	\$17,120,627	=	\$5.8240	
Metered Sales (HCF) (1)	2,939,584	-	Ф 3.6240	
Medium (3&4" meters)				
Total Expense (2)	\$309,870	=	\$4.6440	
Metered Sales (HCF) (1)	66,721	-	Ф4.0440	
Large (6" & up meters)				
Total Expense (2)	\$1,025,381	_	\$4.2300	
Metered Sales (HCF) (1)	242,389	-	ψ4.2300	

⁽¹⁾ See Sch 2 (2) See Sch 7

COMPARISON TO CURRENT RATES

		<u>Current</u>	Proposed	\$ Change	% Change
METERED RATES					
Small (5/8-2" meters)		\$5.254	\$5.824	\$0.570	10.85%
Medium (3&4" meters)		\$4.476	\$4.644	\$0.168	3.75%
Large (6" & up meters)		\$3.816	\$4.230	\$0.414	10.85%
SERVICE CHARGES					
Quarterly	5/8 & 3/4	\$10.26	\$14.71	\$4.450	43.37%
•	1	\$13.57	\$19.50	\$5.930	43.70%
	1 1/2	\$19.78	\$28.49	\$8.710	44.03%
	2	\$25.17	\$36.28	\$11.110	44.14%
	3	\$32.20	\$46.47	\$14.270	44.32%
	4	\$45.86	\$66.24	\$20.380	44.44%
	6	\$76.08	\$109.99	\$33.910	44.57%
	8 & up	\$126.66	\$186.09	\$59.430	46.92%
Monthly	5/8 & 3/4	\$7.51	\$10.71	\$3.200	42.61%
	1	\$8.61	\$12.31	\$3.700	42.97%
	1 1/2	\$10.67	\$15.31	\$4.640	43.49%
	2	\$12.47	\$17.90	\$5.430	43.54%
	3	\$14.82	\$21.30	\$6.480	43.72%
	4	\$19.37	\$27.89	\$8.520	43.99%
	6	\$29.44	\$42.47	\$13.030	44.26%
	8 & up	\$46.97	\$67.84	\$20.870	44.43%

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FIRE CHARGES		Current	Proposed	\$ Change	% Change
Fire Service (per quarter)				-	_
Public	/hydrant	\$139.33	\$181.13	\$41.800	30.00%
	/bill	\$6.12	\$8.72	\$2.600	42.48%
Private (per quarter)					
	4 in	\$55.69	\$72.90	\$17.210	30.90%
	6 in	\$150.09	\$195.16	\$45.070	30.03%
	8 in	\$312.94	\$406.04	\$93.100	29.75%
	10 in	\$557.88	\$723.24	\$165.360	29.64%
	12 in	\$897.35	\$1,162.88	\$265.530	29.59%
	hydrant	\$150.09	\$195.16	\$45.070	30.03%

IMPACT OF PROPOSED RATES

SIZE LISE CLIET DATES NEW DILL & INCOCASE OF	NODEACE
<u>SIZE </u>	<u>NCREASE</u>
Small	
5/8 1,500 \$89.07 \$102.07 \$13.00	14.6%
<i>5/8</i>	13.7%
5/8 2,500 \$141.61 \$160.31 \$18.70	13.2%
5/8 3,500 \$194.15 \$218.55 \$24.40	12.6%
5/8 4,000 \$220.42 \$247.67 \$27.25	12.4%
5/8 5,000 \$272.96 \$305.91 \$32.95	12.1%
5/8 6,000 \$325.50 \$364.15 \$38.65	11.9%
5/8 6,666 \$360.49 \$402.94 \$42.45	11.8%
5/8 8,000 \$430.58 \$480.63 \$50.05	11.6%
5/8 10,000 \$535.66 \$597.11 \$61.45	11.5%
5/8 12,000 \$640.74 \$713.59 \$72.85	11.4%
5/8 14,000 \$745.82 \$830.07 \$84.25	11.3%
5/8 15,000 \$798.36 \$888.31 \$89.95	11.3%
5/8 20,000 \$1,061.06 \$1,179.51 \$118.45	11.2%
5/8 25,000 \$1,323.76 \$1,470.71 \$146.95	11.1%
1 30,000 \$1,589.77 \$1,766.70 \$176.93	11.1%
1 40,000 \$2,115.17 \$2,349.10 \$233.93	11.1%
1 46,666 \$2,465.40 \$2,737.33 \$271.93	11.0%
1 75,000 \$3,954.07 \$4,387.50 \$433.43	11.0%
2 100,000 \$5,279.17 \$5,860.28 \$581.11	11.0%
2 200,000 \$10,533.17 \$11,684.28 \$1,151.11	10.9%
2 300,000 \$15,787.17 \$17,508.28 \$1,721.11	10.9%
2 400,000 \$21,041.17 \$23,332.28 \$2,291.11	10.9%
2 600,000 \$31,549.17 \$34,980.28 \$3,431.11	10.9%
Medium	
3 200,000 \$8,984.20 \$9,334.47 \$350.27	3.9%
3 400,000 \$17,936.20 \$18,622.47 \$686.27	3.8%
3 600,000 \$26,888.20 \$27,910.47 \$1,022.27	3.8%
4 800,000 \$35,853.86 \$37,218.24 \$1,364.38	3.8%
4 1,000,000 \$44,805.86 \$46,506.24 \$1,700.38	3.8%
4 1,200,000 \$53,757.86 \$55,794.24 \$2,036.38	3.8%
Large	
6 400,000 \$15,340.08 \$17,029.99 \$1,689.91	11.0%
6 600,000 \$22,972.08 \$25,489.99 \$2,517.91	11.0%
6 800,000 \$30,604.08 \$33,949.99 \$3,345.91	10.9%
6 1,200,000 \$45,868.08 \$50,869.99 \$5,001.91	10.9%
6 1,333,333 \$50,956.07 \$56,509.98 \$5,553.91	10.9%
8 2,000,000 \$76,446.66 \$84,786.09 \$8,339.43	10.9%
8 5,000,000 \$190,926.66 \$211,686.09 \$20,759.43	10.9%
8 10,000,000 \$381,726.66 \$423,186.09 \$41,459.43	10.9%
Municipal Fire Service 400 hydrants \$55,738.12 \$72,460.72 \$16,722.60	30.0%
Private Fire Service 3 Inch Service \$150.09 \$195.16 \$45.07	30.0%

REVENUE RECONCILIATION

Service Charge:		< Curre	nt>	<>		
<u>Quarterly</u>	<u>Number</u>	<u>Rate</u>	<u>Revenue</u>	<u>Rate</u>	Revenue	
5/8 & 3/4	88,320	\$10.26	\$906,163	\$14.71	\$1,299,187	
1	14,600	\$13.57	\$198,122	\$19.50	\$284,700	
1 1/2	1,296	\$19.78	\$25,635	\$28.49	\$36,923	
2	2,008	\$25.17	\$50,541	\$36.28	\$72,850	
3	44	\$32.20	\$1,417	\$46.47	\$2,045	
4	356	\$45.86	\$16,326	\$66.24	\$23,581	
6	356	\$76.08	\$27,084	\$109.99	\$39,156	
8 & up	268	\$126.66	\$33,945	\$186.09	\$49,872	
<u>Monthly</u>						
5/8 & 3/4	60	\$7.51	\$451	\$10.71	\$643	
1	12	\$8.61	\$103	\$12.31	\$148	
1 1/2	108	\$10.67	\$1,152	\$15.31	\$1,653	
2	96	\$12.47	\$1,197	\$17.90	\$1,718	
3	12	\$14.82	\$178	\$21.30	\$256	
4	36	\$19.37	\$697	\$27.89	\$1,004	
6	84	\$29.44	\$2,473	\$42.47	\$3,567	
8 & up	60	\$46.97	\$2,818	\$67.84	\$4,070	

REVENUE RECONCILIATION

	<u></u>	C.188	ont >	< Dranged >		
		<>		<>		
	Number	<u>Rate</u>	<u>Revenue</u>	<u>Rate</u>	<u>Revenue</u>	
Consumption Charge:	100/cu.ft.					
Proposed						
Small (5/8-2" meters)	2,939,584	\$5.25	\$15,444,574	\$5.82	\$17,120,137	
Medium (3&4" meters)	66,721	\$4.48	\$298,644	\$4.64	\$309,853	
Large (6" & up meters)	242,389	\$3.82	\$924,957	\$4.23	\$1,025,307	
Fire Protection:						
Public Hydrants	2,357	\$557.32	\$1,313,603	\$724.52	\$1,707,694	
# bills	32	\$6.12	\$196	\$8.72	\$279	
Private Fire Protection						
4 in	16	\$222.76	\$3,564	\$291.60	\$4,666	
6 in	95	\$600.36	\$57,034	\$780.64	\$74,161	
8 in	16	\$1,251.76	\$20,028	\$1,624.16	\$25,987	
10 in	1	\$2,231.52	\$2,232	\$2,892.96	\$2,893	
12 in	1	\$3,589.40	\$3,589	\$4,651.52	\$4,652	
hydrant	122	\$600.36	\$73,244	\$780.64	\$95,238	
ŕ		·	========	·	========	
Total			\$19,409,970		\$22,192,240	
Plus: Misc Revenues			\$330,651		\$330,651	
			=======		========	
Pro Forma Revenue			\$19,740,621		\$22,522,891	
Required Revenue			\$22,521,597		\$22,521,597	
Difference			-2,780,976		\$1,294	
			, ,		0.01%	
Increase in Revenues					\$2,782,270	
Increase in Rate Revenues					\$2,782,270	
Percent Increase in Total Revenues					14.09%	
Percent increase in Rate Revenues					14.33%	
14.00%						

SUMMARY OF COST OF SERVICE

	Test Year	<u>Adjustments</u>	Rate Year
Revenues		-	
Service Charges	\$1,268,303	\$553,071	\$1,821,375
Demand Surcharge:	\$0	\$0	\$0
Metered Rates	\$16,668,176	\$1,787,121	\$18,455,297
Fire Protection	\$1,473,490	\$442,078	\$1,915,568
Miscellaneous	\$330,651	\$0	\$330,651
Total Revenue	\$19,740,621	\$2,782,270	\$22,522,891
Expenses			
O&M			
Supply	\$4,999,638	(\$683,537)	\$4,316,101
Pumping	\$812,335	\$211,875	\$1,024,210
Treatment	\$310,572	\$133,773	\$444,345
T&D	\$1,164,782	\$130,014	\$1,294,796
Customer	\$470,456	\$19,883	\$490,339
Admin	\$2,612,530	\$228,828	\$2,841,358
Total O&M	\$10,370,313	\$40,836	\$10,411,149
Fixed Charges			
Debt Service	\$2,179,500	(\$1,000)	\$2,178,500
Reserves and Coverage	\$77,607	\$68,914	\$146,521
Renewal & Replacement	\$100,000	\$0	\$100,000
Infrastructure Replacement	\$5,400,000	\$0	\$5,400,000
Meter Replacement	\$0	\$2,000,000	\$2,000,000
CIP	\$0	\$1,753,819	\$1,753,819
Payroll Taxes	\$154,417	\$21,204	\$175,621
PILOT	<u>\$23,123</u>	<u>\$0</u>	<u>\$23,123</u>
Total Fixed	\$7,934,647	\$3,842,937	\$11,777,584
Operating Revenue	\$583,313	(\$250,449)	\$332,864
Total Expenses	\$18,888,273	\$3,633,324	\$22,521,597

PROPOSED STEP INCREASES

YEAR 1 - CY 2018			
Rate Year (FY 2017) Revenue Requir	\$22,190,946		
Step Increases for 2018			
New Debt (see Joint Settl. Sch. 1D)	\$	4,750	
Salaries (full yr) (See Joint Settl. Sch	\$	69,330	
Inflation (non-labor O&M)	\$	275,573	
Additional Benefits	\$	92,377	
Additional Meter Program Costs	\$	300,000	
Additional CIP Costs	\$	(300,000)	
IFR Increase	\$	600,000	
Rev. Stabiliz @ 1.5%	\$	15,630	
	\$	1,057,660	
FY 2018 Revenue Requirement =			\$23,248,606
Proposed Step Increase for FY 2018			4.77%

PROPOSED STEP RATES

		FROFOGED STEF RATES		
		Proposed S	Step Increase (CY	
	Current	(FY2017)	2018)	
Metered Rates		,	,	
Small (5/8-2" meters)	\$5.254	\$5.824	\$6.102	
Medium (3&4" meters)	\$4.476	\$4.644	\$4.865	
Large (6" & up meters)	\$3.816	\$4.230	\$4.432	
Service Charges				
Quarterly				
5/8 & 3/4	\$10.26	\$14.71	\$15.41	
1	\$13.57	\$19.50	\$20.43	
1 1/2	\$19.78	\$28.49	\$29.85	
2	\$25.17	\$36.28	\$38.01	
3	\$32.20	\$46.47	\$48.68	
4	\$45.86	\$66.24	\$69.40	
6	\$76.08	\$109.99	\$115.23	
8 & up	\$126.66	\$186.09	\$194.96	
Monthly .				
5/8 & 3/4	\$7.51	\$10.71	\$11.22	
1	\$8.61	\$12.31	\$12.90	
1 1/2	\$10.67	\$15.31	\$16.04	
2	\$12.47	\$17.90	\$18.75	
3	\$14.82	\$21.30	\$22.32	
4	\$19.37	\$27.89	\$29.22	
6	\$29.44	\$42.47	\$44.49	
8 & up	\$46.97	\$67.84	\$71.07	
Fire Service				
Public \$/hydrant/quarter	\$139.33	\$181.13	\$189.76	
\$/bill	\$6.12	\$8.72	\$9.14	
Private (\$/quarter)				
4 in	\$55.69	\$72.90	\$76.37	
6 in	\$150.09	\$195.16	\$204.46	
8 in	\$312.94	\$406.04	\$425.39	
10 in	\$557.88	\$723.24	\$757.71	
12 in	\$897.35	\$1,162.88	\$1,218.30	
hydrant	\$150.09	\$195.16	\$204.46	