

SERVICE DATE
Nov 28, 2016

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Public Service Commission of Wisconsin
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PUBLIC SERVICE COMMISSION OF WISCONSIN

Application of Shorewood Municipal Water Utility, Milwaukee
County, Wisconsin, for Authority to Adjust Water Rates

5440-WR-111

FINAL DECISION

This is the Final Decision in the Class 1 proceeding conducted by the Public Service Commission (Commission) on the application of Shorewood Municipal Water Utility (applicant) for approval to increase water rates. This application is APPROVED, subject to conditions.

Introduction

The applicant applied to the Commission on July 22, 2016, for authority to increase water rates. Pursuant to due notice, the Commission held a telephonic hearing at Madison and Shorewood on November 15, 2016, before Administrative Law Judge Michael E. Newmark. The applicant is the only party to this proceeding.

Findings of Fact

1. The applicant's presently authorized rates for water utility service will produce operating revenues of \$1,860,136 for the 2016 test year. These rates fall short of the test year revenue needed by \$253,452 and are unreasonable.
2. The estimated net investment rate base applicable to water utility operations for the 2016 test year is \$4,955,080.
3. The rate changes set forth for water service in Appendix C will permit the applicant to earn the necessary revenue requirement and are consistent with the cost of service and rate design.

Conclusions of Law

1. The applicant is a municipal public utility as defined in Wis. Stat. § 196.01(5)(a).
2. The Commission has authority under Wis. Stat. §§ 196.02(1), 196.03(1) and (3), 196.19, 196.20, 196.22, 196.37(1), (2), and (3), and 196.395 to authorize the applicant to increase water utility rates and revise tariff provisions.
3. The Commission has authority under Wis. Stat. § 15.02(4) to delegate to the Administrator of the Division of Water, Telecommunications, and Consumer Affairs, those functions vested by law as enumerated above.

Opinion

Net Investment Rate Base

The estimated net investment rate base for the 2016 test year is as follows:

Utility Financed Plant in Service	\$6,399,839
Less: Accumulated Provision for Depreciation	<u>\$1,431,054</u>
Net Plant in Service	\$4,968,785
Plus: Materials and Supplies	35,381
Less: Regulatory Liability for Pre-2003 Accumulated Depreciation - CIAC	<u>49,086</u>
Net Investment Rate Base	<u>\$4,955,080</u>

Comparative Income Statement

The estimated test year income statement showing the effect of the increase in revenue which will result from authorized rates is as follows:

	<u>At Present Rates</u>	<u>Authorized Increase</u>	<u>After Rate Increase</u>
Operating Revenues	\$1,860,136	\$253,452	\$2,113,588
Operating Expenses:			
Oper. & Maint. Exp.	\$1,407,005		\$1,407,005
Depreciation	153,138		153,138
Taxes & Tax Equiv.	<u>181,814</u>		<u>181,814</u>
Total Oper. Expenses	<u>\$1,741,957</u>		<u>\$1,741,957</u>
Oper. Income (or Loss)	<u>\$118,179</u>		<u>\$371,631</u>
Rate of Return	2.39%		7.50%

The depreciation expense included in the revenue requirement for the 2016 test year was computed using the depreciation rates shown in Appendix E. These depreciation rates are effective on January 1, 2016, for computing the depreciation expense on the average investment for each plant account.

Capital Structure

The applicant requested a 10.00 percent return on net investment rate base. Market rates during this time support a 5.00 percent return on net investment rate base. The applicant's capital employed in providing public utility service is estimated to be 15.84 percent municipal equity that is associated with the net investment rate base and 84.16 percent long-term debt. The composite cost of debt capital is 2.70 percent. A return on rate base of 7.50 percent will result in 3.30 times interest coverage. The Commission previously approved a 7.50 percent rate of return in 2014, which was more than market rates supported, because the applicant provided a long-term main replacement forecast and a long-term debt service forecast to finance its main replacement program. The applicant continues to forecast issuing \$1,000,000 in additional debt

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every other year for the main replacement project until at least 2026. A 7.50 percent return on rate base will provide 1.31 times debt service coverage. The forecasted sustained level of debt service costs supports a continuation of the 7.50 percent return on rate base.

Cost of Service

Commission staff submitted for the record an analysis of the cost of supplying water for general service and for public fire protection service. Commission staff used the base-extra capacity cost allocation method for the analysis. Under this method, the operating expenses are allocated first to the service cost functions of extra-capacity maximum-day and maximum-hour demand, base, customer, and fire protection and then to each of the customer classes served. Summaries of such analyses are shown in Schedules 8 and 11 of Exhibit 3 of the record in this proceeding. Appendix B shows customer class revenue requirements resulting from the cost analysis compared with revenues at authorized rates.

Rates

Water service rates authorized in this decision will result in an estimated net operating income of approximately \$371,631 which provides a 7.50 percent return on the water utility net investment rate base of \$4,955,080. The applicant was provided with Commission staff's proposed rates for review prior to the hearing and had no objection to these rates.

As shown in attached Appendix B, the base-extra capacity cost allocation method results in a relatively narrow range of increases in the charges to the various general service customer classes to reflect the cost of providing service to such classes. The percentage rate increase to any individual customer will not necessarily equal the overall percentage increase to the associated customer class, but will depend on the specific usage level of that customer.

The authorized rates as set forth in Appendix C are based on the cost of supplying various classes or types of service. All customers will be required to pay an appropriate amount for the service provided.

Some typical water bills for residential, commercial, and public authority customers were computed using Schedule Mg-1 to compare existing rates with the new rates. That comparison is set forth in Appendix D.

The overall increase in annual revenues is 14 percent, comprised of a 15 percent increase in general service charges and an 11 percent increase in fire protection charges. A typical residential customer's bill will rise 16 percent. Rates have risen because of a 20 percent increase in gross plant investment and an 8 percent increase in operating expenses since the applicant's last rate case in 2014. The typical bills calculated using the authorized rates are above average when compared with those of similar water utilities in the state.

The general service charges will increase by 15 percent, compared to an 11 percent increase in the annual public fire protection charge. The larger increase in general service charges results because a greater proportion of the annual operating costs is allocated to general service than was allocated at the time of the applicant's last rate proceeding, based on current ratios of maximum general service demand to available system fire protection capacity. The larger increase in general service charges is reasonable in that it appropriately reflects the cost of providing service.

Authorized general service rates provide a greater percentage increase to small-volume users having a 5/8-inch meter than other users. The service charge for a 5/8-inch meter increased from \$18.00 to \$22.80, or 27 percent. Small-volume users will experience the highest

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percentage increase in rates because their bills are comprised proportionately more of service charges than volume charges when compared to large users. The authorized service charges are designed to recover customer costs including meter reading, billing and collecting expenses, depreciation, tax equivalent and the return on the utility's investment associated with meters and service laterals. The utility incurs these costs regardless of the volume of water used by its customers, so it is more appropriate to recover such costs through fixed service charges than through volume charges.

The applicant's tariff provisions (operating rules and main extension rules) are consistent with those of other Wisconsin water utilities. The proposed rules were incorporated into the record by receipt of Exhibit 3 which incorporates the rules by reference. They are in accordance with Commission policy and the Wisconsin Administrative Code.

Effective Date

The test year commenced on January 1, 2016. Pursuant to Wis. Stat. §§ 196.19 and 196.21, the changes in rates and tariff provisions that are authorized in this Final Decision take effect no sooner than one day after the date of service, provided that these rates and tariff provisions are filed with the Commission and the utility makes a copy of the new rates available to the public before this date by placing a copy of the new rates at locations where customer payments are accepted, on the utility's Internet site, or in a form and place that is otherwise readily accessible to the public.

Order

1. This Final Decision takes effect one day after the date of service.
2. The authorized rate increases and tariff provisions shall take effect no sooner than one day after the day the utility has: (a) filed these rates and tariff provisions with the Commission; and (b) made them available to the public at locations where customer payments are accepted, on the utility's Internet site, or in a form and place that is otherwise readily accessible to the public, pursuant to Wis. Stat. § 196.19 and Wis. Admin. Code § PSC 185.33(1)(f). If a copy of the new rates and tariff provisions is not made available to the public when they are filed with the Commission, the new rates and tariff provisions shall take effect one day after the day they are made available to the public.
3. The rates approved in this docket shall take effect no later than 90 days from the service date of this Final Decision or as directed by the Commission or Commission staff.
4. Jurisdiction is retained.

Dated at Madison, Wisconsin, November 28, 2016

For the Commission:



Jennifer Esser
Acting Division Administrator
Division of Water, Telecommunications, and Consumer Affairs

JE DLP CNS:DL:01486525

See attached Notice of Appeal Rights

PUBLIC SERVICE COMMISSION OF WISCONSIN
610 North Whitney Way
P.O. Box 7854
Madison, Wisconsin 53707-7854

**NOTICE OF RIGHTS FOR REHEARING OR JUDICIAL REVIEW, THE
TIMES ALLOWED FOR EACH, AND THE IDENTIFICATION OF THE
PARTY TO BE NAMED AS RESPONDENT**

The following notice is served on you as part of the Commission's written decision. This general notice is for the purpose of ensuring compliance with Wis. Stat. § 227.48(2), and does not constitute a conclusion or admission that any particular party or person is necessarily aggrieved or that any particular decision or order is final or judicially reviewable.

PETITION FOR REHEARING

If this decision is an order following a contested case proceeding as defined in Wis. Stat. § 227.01(3), a person aggrieved by the decision has a right to petition the Commission for rehearing within 20 days of the date of service of this decision, as provided in Wis. Stat. § 227.49. The date of service is shown on the first page. If there is no date on the first page, the date of service is shown immediately above the signature line. The petition for rehearing must be filed with the Public Service Commission of Wisconsin and served on the parties. An appeal of this decision may also be taken directly to circuit court through the filing of a petition for judicial review. It is not necessary to first petition for rehearing.

PETITION FOR JUDICIAL REVIEW

A person aggrieved by this decision has a right to petition for judicial review as provided in Wis. Stat. § 227.53. In a contested case, the petition must be filed in circuit court and served upon the Public Service Commission of Wisconsin within 30 days of the date of service of this decision if there has been no petition for rehearing. If a timely petition for rehearing has been filed, the petition for judicial review must be filed within 30 days of the date of service of the order finally disposing of the petition for rehearing, or within 30 days after the final disposition of the petition for rehearing by operation of law pursuant to Wis. Stat. § 227.49(5), whichever is sooner. If an *untimely* petition for rehearing is filed, the 30-day period to petition for judicial review commences the date the Commission serves its original decision.¹ The Public Service Commission of Wisconsin must be named as respondent in the petition for judicial review.

If this decision is an order denying rehearing, a person aggrieved who wishes to appeal must seek judicial review rather than rehearing. A second petition for rehearing is not permitted.

Revised: March 27, 2013

¹ See *Currier v. Wisconsin Dep't of Revenue*, 2006 WI App 12, 288 Wis. 2d 693, 709 N.W.2d 520.

Appearances:

Shorewood Municipal Water Utility, applicant, by

Mark Emanuelson, Finance Director

Tyler Burkart, Assistant Village Manager

Of the Commission Staff:

Amanda Slater, Public Utility Auditor

David Prochaska, Public Utility Rate Analyst

SHOREWOOD MUNICIPAL WATER UTILITY
Comparison of Revenue
at
Present Rates, Cost of Service and Authorized Rates

Customer Class	Revenue at Present Rates	Cost of Service		Authorized Rates		
		Revenue Required	Increase over Present Rates	Revenue	Increase over Present Rates	Percent of Cost of Service
Residential	\$909,300	\$1,057,794	16%	\$1,055,674	16%	100%
Multifamily Residential	\$375,038	\$426,512	14%	\$422,740	13%	99%
Commercial	\$96,066	\$103,875	8%	\$109,202	14%	105%
Industrial	\$0	\$0		\$0		
Public Authority	\$41,625	\$44,595	7%	\$46,816	12%	105%
Public Fire Protection	\$374,672	\$417,377	11%	\$417,377	11%	100%
Total	\$1,796,701	\$2,050,153	14%	\$2,051,808	14%	100%

SHOREWOOD MUNICIPAL WATER UTILITY

Authorized Water Rates and Rules

Purchased Water Adjustment Clause - - - PWAC-1

Shorewood Municipal Water Utility (utility) may apply a purchased water adjustment clause (PWAC) to its water rates set forth under Schedules F-1 and Mg-1 to reflect an increase or decrease in the rates charged by its wholesale water supplier, Milwaukee Water Works (wholesaler), **and only when the wholesaler’s rates are adjusted through the conventional rate case process.** Adjustments under this PWAC that result in an increase cannot be effective until the utility has filed the proposed change with the Public Service Commission (Commission), the utility provides notice to its customers of such a change of rates, and the Commission holds a public hearing and authorizes the rate adjustments in a Final Decision.

Calculation of Adjusted Annual Municipal Charge for Public Fire Protection Service - - - F-1

$$AFP = FP + A$$

$$A = N - B$$

Where: AFP = Adjusted annual charge for public fire protection service to the Village of Shorewood.

FP = Current annual charge for public fire protection service under the utility’s Schedule F-1 rate.

A = New annual wholesale public fire protection service charge less the current annual wholesale public fire protection service charge.

N = New annual wholesale public fire protection service charge.

B = Current annual wholesale public fire protection service charge.

Calculation of Adjusted Quarterly Service Charges - - - Mg-1

$$C = Z \times (1 + P)$$

$$P = (N - B) / T$$

Where: C = Adjusted Schedule Mg-1 quarterly retail service charges rounded up to the nearest cent.

Z = Current Schedule Mg-1 quarterly retail service charges.

P = Adjustment factor rounded up to the nearest hundredth of a percent, which is four places past the decimal point (.XXXX).

N = New quarterly wholesale service charge.

B = Current quarterly wholesale service charge.

T = Total quarterly dollar revenue from quarterly retail service charges per Schedule Mg-1.

Commodity Charge Adjustment - - - Mg-1

$$AVBR = VBR + A$$

Where: AVBR = Adjusted Schedule Mg-1 retail volume block rates rounded up to the nearest cent.

VBR = Current Schedule Mg-1 retail volume block rates.

A = New wholesale volume charge less the current wholesale volume charge.

Public Fire Protection Service - - - F-1

Public fire protection service includes the use of hydrants for fire protection service only and such quantities of water as may be demanded for the purpose of extinguishing fires within the service area. This service shall also include water used for testing equipment and training personnel. For all other purposes, the metered or other rates set forth, or as may be filed with the Public Service Commission, shall apply.

The annual charge for public fire protection service to the Village of Shorewood shall be \$417,377. The utility may bill for this amount in equal quarterly installments.

Billing: Same as Schedule Mg-1.

Private Fire Protection Service - Unmetered - - - Upf-1

This service shall consist of permanent or continuous unmetered connections to the main for the purpose of supplying water to private fire protection systems such as automatic sprinkler systems, standpipes, and private hydrants. This service shall also include reasonable quantities of water used for testing check valves and other backflow prevention devices.

Quarterly Private Fire Protection Service Demand Charges:

2 - inch or smaller connection - \$	35.40
3 - inch connection - \$	66.60
4 - inch connection - \$	111.00
6 - inch connection - \$	222.00
8 - inch connection - \$	354.00
10 - inch connection - \$	531.00
12 - inch connection - \$	708.00
14 - inch connection - \$	885.00
16 - inch connection - \$	1,062.00

Billing: Same as Schedule Mg-1.

General Service - Metered - - - Mg-1

Quarterly Service Charges:

5/8 -inch meter - \$	22.80	3 -inch meter - \$	126.00
3/4 -inch meter - \$	22.80	4 -inch meter - \$	177.00
1 -inch meter - \$	34.50	6 -inch meter - \$	303.00
1 1/4 -inch meter - \$	45.00	8 -inch meter - \$	468.00
1 1/2 -inch meter - \$	54.00	10 -inch meter - \$	678.00
2 -inch meter - \$	81.00	12 -inch meter - \$	888.00

Plus Volume Charges:

All water used per quarter - \$3.00 per 100 cubic feet

Billing: Bills for water service are rendered quarterly and become due and payable upon issuance following the period for which service is rendered. A late payment charge of 1 percent per month will be added to bills not paid within 20 days of issuance. This late payment charge shall be applied to the total unpaid balance for utility service, including unpaid late payment charges. This late payment charge is applicable to all customers. The utility customer may be given a written notice that the bill is overdue no sooner than 20 days after the bill is issued. Unless payment or satisfactory arrangement for payment is made within the next 10 days, service may be disconnected pursuant to Wis. Admin. Code ch. PSC 185.

Combined Metering: For a residential customer with more than one meter on a single service lateral, volumetric reading from all meters shall be combined for billing. For a nonresidential customer, volumetric readings may be combined for billing if the utility for its own convenience places more than one meter on a single water service lateral. Multiple meters placed for the purpose of identifying water not discharged into the sanitary sewer are not considered for utility

convenience and may not be combined for billing. This requirement does not preclude the utility from combining readings where metering configurations support such an approach. Volumetric readings from individually metered separate service laterals may not be combined for billing purposes.

General Service - Suburban - - - Mg-2

Water customers residing outside the corporate limits of the Village of Shorewood shall be billed at the regular rates for service (Schedule Mg-1) plus a 25 percent surcharge.

Billing: Same as Schedule Mg-1.

Additional Meter Rental Charge - - - Am-1

Upon request, the utility shall furnish and install additional meters to:

- A. Water service customers for the purpose of measuring the volume of water used that is not discharged into the sanitary sewer system; and
- B. Sewerage service customers who are not customers of the water utility for the purpose of determining the volume of sewage that is discharged into the sanitary sewer system.

The utility shall charge a meter installation charge of \$40.00 and a quarterly rental fee for the use of this additional meter.

Quarterly Additional Meter Rental Charges:

5/8 -inch meter - \$	11.40
3/4 -inch meter - \$	11.40
1 -inch meter - \$	17.25
1 1/4 -inch meter - \$	22.50
1 1/2 -inch meter - \$	27.00
2 -inch meter - \$	40.50

This schedule applies only if the additional meter is installed on the same service lateral as the primary meter and either:

- A. The additional meter is 3/4-inch or smaller if the metering configuration is the Addition Method; or
- B. The additional meter is 2-inch or smaller for all other metering configurations.

If the additional meter is larger than 2-inch or larger than ¾-inch and installed in the Addition Method, each meter shall be treated as a separate account and Schedule Mg-1 rates shall apply.

Billing: Same as Schedule Mg-1.

Other Charges - - - OC-1

Payment Not Honored by Financial Institution Charge: The utility shall assess a \$35.00 charge when a payment rendered for utility service is not honored by the customer's financial institution. This charge may not be in addition to, but may be inclusive of, other such charges when the payment was for multiple services.

Special Billing Charge: The utility shall assess a \$35.00 charge to the requestor to cover administrative expenses whenever an existing customer or the property owner requests a special billing outside of the normal utility billing. This charge may not be assessed to a new customer.

Special Meter Reading Charge: The utility shall assess a \$35.00 charge to the requestor whenever an existing customer or the property owner requests a special meter reading by utility personnel on a date other than the regularly scheduled meter reading. This charge may not be assessed if the customer or the property owner provides the meter reading or the utility can obtain the meter reading remotely. This charge may not be assessed to a new customer.

Missed Appointment Charge: The utility shall assess a missed appointment charge when a customer, without providing reasonable cancellation notice, fails to be present at the customer's location for an appointment scheduled with utility personnel or agents working on behalf of the utility. The utility may not apply the charge for the first such missed appointment during normal business hours. The utility shall apply the charge for the first such missed appointment after normal business hours.

During normal business hours:	\$20.00
After normal business hours:	\$30.00

Real Estate Closing Account Charge: The utility shall assess a \$25.00 charge whenever a customer or the customer's agent requests written documentation from the utility of the customer's account status in connection with a real estate closing.

Billing: Same as Schedule Mg-1.

Public Service - - - Mpa-1

Metered Service

Water used by the Village of Shorewood on an intermittent basis for flushing sewers, street washing, flooding skating rinks, drinking fountains, etc., shall be metered and billed according to the rates set forth in Schedule Mg-1.

Unmetered Service

Where it is impossible to meter the service, the utility shall estimate the volume of water used based on the pressure, size of opening, and the period of time the water is used. The estimated quantity shall be billed at the volumetric rates set forth in Schedule Mg-1, excluding any service charges.

Billing: Same as Schedule Mg-1.

General Water Service - Unmetered - - - Ug-1

Service may be supplied temporarily on an unmetered basis where the utility cannot immediately install a water meter, including water used for construction. Unmetered service shall be billed the amount that would be charged to a metered residential customer using 1,900 cubic feet of water per quarter under Schedule Mg-1, including the service charge for a 5/8-inch meter. If the utility determines that actual usage exceeds 1,900 cubic feet of water per quarter, an additional charge for the estimated excess usage shall be made according to the rates under Schedule Mg-1.

This schedule applies only to customers with a 1-inch or smaller service connection. For customers with a larger service connection, the utility shall install a temporary meter and charges shall be based on the rates set forth under Schedule Mg-1.

Billing: Same as Schedule Mg-1.

Seasonal Service - - - Sg-1

Seasonal customers are general service customers who voluntarily request disconnection of water service and who resume service at the same location within 12 months of the disconnection, unless service has been provided to another customer at that location in the intervening period. The utility shall bill seasonal customers the applicable service charges under Schedule Mg-1 year-round, including the period of temporary disconnection.

Seasonal service shall include customers taking service under Schedule Mg-1, Schedule Ug-1, or Schedule Am-1.

Upon reconnection, the utility shall apply a charge under Schedule R-1 and require payment of any unpaid charges under this schedule.

Billing: Same as Schedule Mg-1, unless the utility and customer agree to an alternative payment schedule for the period of voluntary disconnection.

Bulk Water - - - BW-1

All bulk water supplied from the water system through hydrants or other connections shall be metered or estimated by the utility. Utility personnel or a party approved by the utility shall supervise the delivery of water.

Bulk water sales are:

- A. Water supplied by tank trucks or from hydrants for the purpose of extinguishing fires outside the utility's service area;
- B. Water supplied by tank trucks or from hydrants for purposes other than extinguishing fires, such as water used for irrigation or filling swimming pools; or,
- C. Water supplied from hydrants or other temporary connections for general service type applications, except that Schedule Ug-1 applies for water supplied for construction purposes.

A service charge of \$40.00 and a charge for the volume of water used shall be billed to the party using the water. The volumetric charge shall be calculated using the highest volumetric rate for residential customers under Schedule Mg-1. In addition, for meters that are assigned to bulk water customers for more than 7 days, the applicable service charge in Schedule Mg-1 will apply after the first 7 days.

The water utility may require a reasonable deposit for the temporary use of its equipment under this and other rate schedules. The deposit(s) collected shall be refunded upon return of the utility's equipment. Damaged or lost equipment shall be repaired or replaced at the customer's expense.

Billing: Same as Schedule Mg-1.

Reconnection Charges - - - R-1

The utility shall assess a charge to reconnect a customer, which includes reinstalling a meter and turning on the valve at the curb stop, if necessary. A utility may not assess a charge for disconnecting a customer.

During normal business hours:	\$40.00
After normal business hours:	\$80.00

Billing: Same as Schedule Mg-1.

Water Lateral Installation Charge - - - Cz-1

The utility shall charge a customer for the actual cost of installing a water service lateral from the main through curb stop and box if these costs are not contributed as part of a subdivision development or otherwise recovered under Wis. Stats. Chapter 66.

Billing: Same as Schedule Mg-1.

Rules and Regulations - - - X-1

Delete Schedule X-1. Incorporate the operating rules for municipal water utilities as provided by the Public Service Commission.

Water Main Extension Rule - - - X-2

Water mains will be extended for new customers on the following basis:

- A. Where the cost of the extension is to immediately be collected through assessment by the municipality against the abutting property, the procedure set forth under Wis. Stat. § 66.0703 will apply, and no additional customer contribution to the utility will be required.
- B. Where the municipality is unwilling or unable to make a special assessment, the extension will be made on a customer-financed basis as follows:
 - 1. The applicant(s) will advance as a contribution in aid of construction the total amount equivalent to that which would have been assessed for all property under paragraph A.

2. Part of the contribution required in paragraph B.1. will be refundable. When additional customers are connected to the extended main within 10 years of the date of completion, contributions in aid of construction will be collected equal to the amount which would have been assessed under paragraph A. for the abutting property being served. This amount will be refunded to the original contributor(s). In no case will the contributions received from additional customers exceed the proportionate amount which would have been required under paragraph A., nor will it exceed the total assessable cost of the original extension.
- C. When a customer connects to a transmission main or connecting loop installed at utility expense within 10 years of the date of completion, there will be a contribution required of an amount equivalent to that which would have been assessed under paragraph A.

Water Main Installations in Platted Subdivisions - - - X-3

Application for installation of water mains in regularly platted real estate development subdivisions shall be filed with the utility.

If the developer, or a contractor employed by the developer, is to install the water mains (with the approval of the utility), the developer shall be responsible for the total cost of construction.

If the utility or its contractor is to install the water mains, the developer shall be required to advance to the utility, prior to the beginning of the construction, the total estimated cost of the extension. If the final costs exceed estimated costs, an additional billing will be made for the balance of the cost due. This balance is to be paid within 30 days. If final costs are less than estimated, a refund of the overpayment will be made by the water utility.

Water Utility Supplemental Customer Rules - - - X-4

Compliance with Rules

All persons now receiving water service from this water utility, or who may request service in the future, shall be considered as having agreed to be bound by the rules and regulations as filed with the Public Service Commission of Wisconsin.

Charges for Water Wasted Due to Leaks

See Wis. Admin. Code § PSC 185.35

Thawing Frozen Service Laterals

See Wis. Admin. Code § PSC 185.88.

Deferred Payment Agreement

See Wis. Admin. Code § PSC 185.38.

Shorewood Municipal Water Utility shall offer deferred payment agreements to residential accounts and may offer such agreements to other customers. However, Shorewood Municipal Water Utility will not offer a deferred payment agreement to a residential customer who is a tenant if any of the following criteria applies:

1. The tenant has defaulted on a DPA in the past 12 months.
2. The tenant's arrears were placed on an owner's property taxes within the past 24 months.

SHOREWOOD MUNICIPAL WATER UTILITY

Customer Water Bill Comparison at Present and Authorized Rates

Customer Type	Meter Size	Volume (100 Cubic Feet)	<u>Quarterly</u>		Percent Change
			Bills at Old Rates	Bills at New Rates	
Small Residential	5/8"	10	\$ 44.70	\$ 52.80	18%
Average Residential	3/4"	19	\$ 68.73	\$ 79.80	16%
Large Residential	3/4"	30	\$ 98.10	\$ 112.80	15%
Large Residential	3/4"	40	\$ 124.80	\$ 142.80	14%
Large Residential	3/4"	50	\$ 151.50	\$ 172.80	14%
Multifamily Residential	1"	500	\$ 1,362.30	\$ 1,534.50	13%
Multifamily Residential	2"	1,000	\$ 2,740.50	\$ 3,081.00	12%
Multifamily Residential	4"	3,000	\$ 8,184.00	\$ 9,177.00	12%
Multifamily Residential	4"	4,000	\$ 10,854.00	\$ 12,177.00	12%
Commercial	1"	700	\$ 1,896.30	\$ 2,134.50	13%
Commercial	1 1/2"	1,000	\$ 2,715.90	\$ 3,054.00	12%
Commercial	3"	600	\$ 1,716.00	\$ 1,926.00	12%
Commercial	4"	600	\$ 1,776.00	\$ 1,977.00	11%
Public Authority	1"	100	\$ 294.30	\$ 334.50	14%
Public Authority	1 1/2"	200	\$ 579.90	\$ 654.00	13%
Public Authority	2"	600	\$ 1,672.50	\$ 1,881.00	12%
Public Authority	4"	600	\$ 1,776.00	\$ 1,977.00	11%
Public Fire Protection (Annual charge)			\$ 374,672	\$ 417,377	11%

SHOREWOOD MUNICIPAL WATER UTILITY

Schedule of Depreciation Rates Effective January 1, 2016

<u>Account Number</u>	<u>Account Title</u>	<u>Deprec. Rate</u>
	TRANSMISSION AND DISTRIBUTION PLANT	
341	Structures and Improvements	3.2%
343	Transmission and Distribution Mains	1.3%
345	Services	2.9%
346	Meters	5.5%
348	Hydrants	2.2%
349	Other Transmission and Distribution Plant	5.0%
	GENERAL PLANT	
391	Office Furniture and Equipment	5.8%
391.1	Computer Equipment	26.7%
392	Transportation Equipment	13.3%
394	Tools, Shop and Garage Equipment	5.8%
397	Communication Equipment	15.0%
397.1	Communication Equipment - SCADA	9.2%