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December 18, 2017

ELECTRONIC TRANSMISSION

Secretary of the Commission
Indiana Utility Regulatory Commission
101 W. Washington Street, Suite 1500 East
Indianapolis, Indiana 46204

In re: City of Bloomington Municipal Water Utility
Thirty-Day Filing – Non-Recurring Charges

The City of Bloomington Municipal Water Utility (the "Water Utility") proposes to adjust certain miscellaneous and non-recurring charges pursuant to the Indiana Utility Regulatory Commission's ("IURC" or "Commission") thirty-day administrative filing procedures as set forth in 170 IAC 1-6-1. Adjustments to existing charges are attributable to increased labor, equipment, and materials cost, as well as identification of other cost elements not previously captured in the Water Utility's calculation of charges.

In support of the requested charges, this filing includes the following Appendices:

- Appendix A: Verified Statement of the Water Utility
- Appendix B: Ordinance 17-40 passed by the City of Bloomington, Indiana Common Council on November 15, 2017
- Appendix C: Public Customer Notice
- Appendix D: Current Tariff
- Appendix E: Proposed Tariff Reflecting Requested Charges.
- Appendix F: Non-Recurring Rates and Charges Report prepared by Crowe Horwath LLP
- Appendix G: Documentation in Support of the Requested Charges.

If you have any questions concerning the above, please contact Angie Steeno at angie.steeno@crowehorwath.com or (317) 269-2367, Jennifer Wilson at jennifer.wilson@crowehorwath.com or (317) 269-6696, or Craig Lotz at craig.lotz@crowehorwath.com or (317) 689-5512.

Sincerely,

A handwritten signature in black ink that reads "Angie Steeno".

Angie Steeno

cc: Office of Utility Consumer Counselor

Appendix A

Verified Statement of the Water Utility

APPENDIX A

**VERIFIED STATEMENT IN SUPPORT OF CHANGE IN SCHEDULE OF NON-
RECURRING CHARGES**

ATTENTION: INDIANA UTILITY REGULATORY COMMISSION

Comes Now the Director for the City of Bloomington Utility and for and on behalf of the Bloomington Indiana Waterworks Utility does hereby state that:

1. The Bloomington Indiana Waterworks Utility is requesting adjustment of its existing non-recurring and miscellaneous charges for security deposits, service calls, and service installations (with and without tap).
2. Affected customers have been notified by a legal notice published in the Herald Times, a newspaper of general circulation that has a circulation encompassing the highest number of the Bloomington Indiana Waterworks Utility's customers affected by the requested adjustment. The notice will also be placed on the Utility's website and posted in a public place at the Utility's local customer service office. A copy of the legal notice is attached as Appendix C.
3. The accompanying changes in the schedule of non-recurring charges are based solely upon the actual costs of labor and materials used in providing these services in accordance with 170 IAC 6-5-1.
4. All of the matters and facts stated herein and the attached exhibits are true and accurate. The rate changes shall take effect for the next practical consumption period following this Commission's approval of the same.

City of Bloomington Utilities

W. K. H.

Vic Kelson, Director

STATE OF INDIANA)
)
COUNTY OF MONROE)

Before me, the undersigned, a Notary Public in and for said County and State, personally appeared Vic Kelson, Director of the City of Bloomington Utilities Department, who executed the foregoing in my presence and stated that the representations contained therein are true.

Witness my hand and Notarial seal this 18th day of December, 2017.

John M
Notary Public

Notary Public

Residing in *Monroe* County

My Commission Expires: 7-24-25

HOLLY A. MCLAUCHLIN
Notary Public
SEAL
State of Indiana
My Commission Expires July 24, 2025

Appendix B

Ordinance 17-40 passed by the City of Bloomington, Indiana Common
Council on November 15, 2017

ORDINANCE 17-40

**TO AMEND TITLE 9
OF THE BLOOMINGTON MUNICIPAL CODE ENTITLED “WATER”
(Non-Recurring Rate Adjustment)**

WHEREAS, the City of Bloomington, Indiana (“City”) owns and operates a waterworks system, through its Utilities Service Board, pursuant to IC § 8-1.5-2 and IC § 8-1.5-3, *et seq.*, and acts amendatory thereof and supplemental thereto (“Act”), which waterworks system is subject to the jurisdiction of the Indiana Utility Regulatory commission (“Commission”); and,

WHEREAS, the current miscellaneous and non-recurring rates and charges of the waterworks system of the City were approved by Order of the Commission under Cause No. 43939 on the 2nd Day of March, 2011; and

WHEREAS, some of the miscellaneous and non-recurring rates and charges approved by the Commission under Cause No. 43939 on the 2nd Day of March, 2011, have yet to be reflected by ordinance; and

WHEREAS, the City, through its Utilities Service Board, engaged Crowe Horwath LLP to study certain miscellaneous and non-recurring charges of the waterworks system; and

WHEREAS, Crowe Horwath LLP prepared a report concerning certain miscellaneous and non-recurring charges of the waterworks system (the “Report”) and determined that the existing miscellaneous and non-recurring services are insufficient to cover the costs and expenses associated therewith and, with regards to future waterworks system expansion needs, devoid of any treatment in the City’s ordinance; and

WHEREAS, the City, through its Utilities Service Board, adopted the findings of the Report on October 16, 2017, thereby finding that the existing charges to Utility customers for certain miscellaneous and non-recurring services are insufficient to cover the costs associated therewith and, with regards to eventual need for future expansion of the waterworks system, should adopt a system development charge; and

WHEREAS, the Utilities Service Board, on October 30, 2017, recommended by Resolution 2017-07 that the Common Council of the City of Bloomington approve an ordinance in substantially the same form as herein provided for the adjustment to miscellaneous and non-recurring charges of the waterworks system as identified below; and,

WHEREAS, based upon the aforementioned Report, and the recommendations of the Utility Service Board, the Common Council of the City of Bloomington finds that the miscellaneous and non-recurring rates and charges set forth herein are nondiscriminatory, reasonable and just and are based upon the cost of providing service to the customers of the water works and will enable the City to meet its legal revenue requirements for future waterworks system expansion; and

WHEREAS, the Common Council of the City of Bloomington finds that said miscellaneous non-recurring charges for certain services provided to Water Utility Customers should be adjusted accordingly; and

WHEREAS, the Common Council of the City of Bloomington caused notice of a public hearing on the rates and charges set forth herein to be duly advertised and mailed, and conducted a public hearing thereon, all in accordance with the Act, and each rate payer was, and the public in general were, allowed the opportunity to provide testimony and comments regarding the proposed adjustments to these rate and charges which were considered by the Common Council.

NOW, THEREFORE, BE IT ORDAINED BY THE COMMON COUNCIL OF THE CITY OF BLOOMINGTON, MONROE COUNTY, INDIANA, THAT:

SECTION 1. Chapter 9.04 of the City Code of Bloomington (“Code”), entitled “General Rules” is hereby amended by adding a new section, Section 9.04.035, which shall be included in the table of contents of this chapter and shall be stated as follows:

9.04.035 Unauthorized use of hydrants.

Persons using water from a fire hydrant without prior written authorization by the Utility shall be billed for up to eight hours usage at the maximum flow rate of the hydrant for each day that the hydrant was used.

SECTION 2. Section 9.04.050 of the City Code of Bloomington (“Code”), entitled “Extension of Water Mains” is hereby amended and restated as follows:

9.04.050 Extension of water mains.

- (a) The extension of water mains and related facilities to residential areas shall be accomplished according to the Rules, Regulations and Standards of Service for the Water Utility.
- (b) The extension of water mains and related facilities to apartment complexes, mobile home parks, and commercial and industrial additions shall be determined by the Utilities Service Board on an individual basis.

SECTION 3. Section 9.08.050 of the City Code of Bloomington (“Code”), entitled “Security deposit - Amount” is hereby amended and restated as follows:

9.08.050 Security deposit - amount.

- (a) If a new applicant for residential water service fails to establish credit-worthiness according to criteria established by the Utilities Service Board, a security deposit not to exceed \$39.00 may be required.
- (b) If a present residential customer has been mailed disconnect notices for two consecutive months or any three months within the preceding twelve-month period or has had service disconnected because of nonpayment within the past four years, a security deposit not to exceed one-sixth of the expected annual billing for the customer at the address at which service is rendered may be required.
- (c) If a business or commercial applicant for water service fails to establish credit-worthiness according to criteria established by the Utilities Service Board, a security deposit not to exceed one-sixth of the estimated annual cost of service may be required.

SECTION 4. Section 9.12.020 of the Code, entitled “Service call charge” is hereby amended and restated as follows:

9.12.020 Service call charge.

- (a) A service charge shall be collected for all service calls involving turning service on and off except when an account is closed. A service charge shall be collected for all other service calls in excess of one free call per year, including calls involving rereading meters at a customer's request and inspection for leaks, but such charge shall not be collected if the call was necessitated by an error of the utility.

(b) The charge for all service calls during normal business hours shall be \$45.00 per call and \$171.00 during overtime hours.

SECTION 5. Section 9.12.030 of the Code, entitled "Service installation charge" is hereby amended and restated as follows:

9.12.030 Service installation charge.

(a) The charge for service installation shall be as follows:

- (1) 5/8" to 1" connection with tap shall be \$1,533.00.
- (2) 5/8" to 1" connection without tap shall be \$1,327.00.
- (3) Greater than 1" connection shall be the cost of installation but shall not be less than that of a 5/8" to 1" installation.

SECTION 6. Section 9.12.040 of the Code, entitled "Meter Testing" is hereby amended and restated as follows:

9.12.040 Meter test charge.

The utility shall make a free test of the accuracy of a meter upon written request by a customer and a second free test may be requested twelve months subsequent to the first test. The fee for all meter tests requested within thirty-six months after the preceding test shall be \$39.00 if the meter is found not to be at fault.

SECTION 7. Chapter 9.12 of the Code, entitled "Water Charges" is hereby amended by adding a new section, Section 9.12.070, which shall be included in the table of contents of this chapter and shall be stated as follows:

9.12.070 System Development Charge.

All new connections shall pay a one-time system development charge as follows:

Meter Size	Charge
5/8 or 3/4"	\$ 550.00
1"	\$ 1,408.00
1 1/2"	\$ 3,168.00
2"	\$ 5,632.00
3"	\$ 12,672.00
4"	\$ 22,528.00
6"	\$ 50,688.00
8"	\$ 90,112.00
10"	\$ 140,800.00

SECTION 8. Chapter 9.12 of the Code, entitled "Water Charges" is hereby amended by adding a new section, Section 9.12.080, which shall be included in the table of contents of this chapter and shall be stated as follows:

9.12.080 Temporary Service Charge.

Customers receiving temporary service shall be charged a minimum of \$10.00 per week plus a deposit equal to the cost of the meter and a charge for the water used.

SECTION 9. Chapter 9.12 of the Code, entitled "Water Charges" is hereby amended by adding a new section, Section 9.12.090, which shall be included in the table of contents for this chapter and shall be stated as follows:

9.12.090 Water Testing Charge.

All fees for water tests provided to any person by the Bloomington Water Utility shall be established by the Utilities Service Board and are subject to an annual review by said board.

SECTION 10. All ordinances and parts of ordinances in conflict herewith are hereby repealed; provided, however, that the existing miscellaneous and non-recurring rates and charges of the waterworks system of the City shall remain in full force and effect until the miscellaneous and non-recurring rates and charges fixed by this ordinance shall be approved by order of the Indiana Utility Regulatory Commission and the tariff reflecting said approved miscellaneous and non-recurring rates and charges shall have been filed with and approved by the Indiana Utility Regulatory Commission.

SECTION 11. In the event the miscellaneous and non-recurring rates and charges of the waterworks system approved by the Indiana Utility Regulatory Commission shall differ from the miscellaneous and non-recurring rates and charges set forth herein, the Common Council hereby approves said miscellaneous and non-recurring rates and charges as adjusted by the Indiana Utility Regulatory Commission without further action of the Common Council. The miscellaneous and non-recurring rates and charges of the waterworks system of the City as reflected in the tariff filed with and approved by the Indiana Utility Regulatory Commission shall be filed with the Clerk of the City and be open for public inspection.

SECTION 12. If any section, sentence, or provision of this ordinance or the application thereof to any person or circumstance shall be declared invalid, such invalidity shall not affect any of the other parts of this ordinance which can be given effect without the invalid part, and to this end the provisions of this ordinance are declared to be severable.

SECTION 13. This ordinance shall be in full force and effect from and after its passage by the Common Council of the City and approval of the Mayor; provided, however, that the existing miscellaneous and non-recurring rates and charges of the waterworks system of the City shall remain in full force and effect until the miscellaneous and non-recurring rates and charges fixed by this ordinance shall be approved by order of the Indiana Utility Regulatory Commission and the tariff reflecting said approved miscellaneous and non-recurring rates and charges shall have been filed with and approved by the Indiana Utility Regulatory Commission.

PASSED and ADOPTED by the Common Council of the City of Bloomington, Monroe County, Indiana, upon this 15th day of November, 2017.



SUSAN SANDBERG, President
Bloomington Common Council

ATTEST:



NICOLE BOLDEN, Clerk
City of Bloomington

PRESENTED by me to the Mayor of the City of Bloomington, Monroe County, Indiana, upon this 16th day of November, 2017.

Nicole Bolden
NICOLE BOLDEN, Clerk
City of Bloomington

SIGNED and APPROVED by me upon this 16th day of November, 2017.

John Hamilton
JOHN HAMILTON, Mayor
City of Bloomington

SYNOPSIS

This ordinance amends miscellaneous and non-recurring charges in Title 9 of the Bloomington Municipal Code, entitled "Water", to reflect increased costs of supplying certain water services to customers, and creates a system development charge to meet the need for necessary future expansion of the waterworks system.

Note: Section 3 of this ordinance was revised after distribution in the weekly Council Legislative Packet and before introduced at the Regular Session on November 1, 2017.

Appendix C

Public Customer Notice

LEGAL NOTICE:

Notice is hereby given that the City of Bloomington Utilities (CBU) anticipates filing a request with the Indiana Utilities Regulatory Commission (IURC) on the Eighteenth day of December, 2017, to increase existing non-recurring and miscellaneous charges for security deposits, service calls, and service installations (with and without tap). CBU expects approval of such request and filing at a minimum of thirty days following the date of such filing. The proposed increased charges are for non-recurring charges only for all water utility customers and do not affect retail water rates.

Objections to CBU's request should be submitted to the Secretary of the Commission, IURC, PNC Center, 101 West Washington St., Suite 1500 E. Indianapolis, IN 46204 or to the Indiana Office of the Utility Consumer Counselor, PNC Center, 115 W. Washington St., Suite 1500 South, Indianapolis, IN 46204.

Appendix D

Current Tariff

BLOOMINGTON MUNICIPAL WATER UTILITY
Bloomington, Indiana

Schedule of Rates and Charges

Monthly usage charge applicable to Residential, Commercial, Governmental, Interdepartmental, Industrial, Indiana University – Master Metered, Indiana University – Non-Master Metered, Irrigation classes

<u>Category</u>	<u>Rates Per 1,000 Gallons</u>
Residential	\$ 3.73
Commercial, Governmental, Interdepartmental	3.16
Industrial	2.92
Indiana University – Master Metered	2.37
Indiana University – Non-Master Metered	3.16
Irrigation	3.42

Monthly Service Charge, in Addition to Monthly Usage for the customer categories listed above

<u>Meter Size</u>	<u>Charge</u>	<u>Meter Size</u>	<u>Charge</u>
5/8"	\$ 5.89	3"	\$ 60.55
3/4"	7.86	4"	99.57
1"	10.59	6"	197.13
1 1/2"	18.39	8"	294.69
2"	26.20	10"	392.24

Monthly Surcharges for Fire Protection Service for the customer categories listed above
excluding Indiana University – Master Metered

<u>Meter Size</u>	<u>Charge</u>		<u>Meter Size</u>	<u>Charge</u>	
	<u>Inside City</u>	<u>Outside City</u>		<u>Inside City</u>	<u>Outside City</u>
5/8"	\$ 1.96	\$ 3.28	3"	\$ 34.23	\$ 57.50
3/4"	2.93	4.93	4"	58.67	98.53
1"	4.89	8.22	6"	122.27	205.29
1 1/2"	9.78	16.41	8"	176.06	295.60
2"	15.64	26.29	10"	283.63	476.27

The monthly Fire Protection Charge for Indiana University – Master Metered accounts as a group shall be \$1,794.45.

EFFECTIVE

August 4, 2017

Indiana Utility Regulatory
Commission

Issued Pursuant to

Cause No. 44855

March 29, 2017

Indiana Utility Regulatory Commission
Water/Wastewater Division

Approved by the Indiana Utility Regulatory Commission
Cause No. 44855, Order dated March 29, 2017

BLOOMINGTON MUNICIPAL WATER UTILITY
Bloomington, Indiana

Schedule of Rates and Charges

Contract Sales for Resale

The rate for contract sales for resale shall be \$2.39 per one thousand gallons.

Contract Sales for Resale Monthly Service Charge in Addition to Monthly Usage Charge

<u>Meter Size</u>	<u>Charge</u>	<u>Meter Size</u>	<u>Charge</u>
5/8"	\$ 5.89	3"	\$ 60.55
3/4"	7.86	4"	99.57
1"	10.59	6"	197.13
1 1/2"	18.39	8"	294.69
2"	26.20	10"	392.24

Private fire connections per connection

<u>Line Size</u>	<u>Monthly</u>	<u>Annually</u>
4" and under	\$ 9.86	\$ 118.28
6"	27.40	328.77
8"	56.15	673.82
10"	98.34	1,180.09
12"	155.05	1,860.55

EFFECTIVE

August 4, 2017

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Cause No. 44855, Order dated March 29, 2017

BLOOMINGTON MUNICIPAL WATER UTILITY
Bloomington, Indiana

EFFECTIVE

Non-Recurring Charges

MAR 09 2011

INDIANA UTILITY
REGULATORY COMMISSION

<u>Description of Charge</u>		<u>Charges</u>
1) 5/8 to 1" Connection	- with tap - without tap	\$848.14 \$776.18
2) Greater than 1" Connection		Cost of connection but not less than charge for 5/8 to 1" connection
3) Service Call	- During hours - After hours	\$18.00 \$54.00
4) Bad Check Charge		\$25.00
5) Late Payment Charge		3% of unpaid balance
6) Deposit	- Residential - Commercial	Not to exceed \$25.00 Not to exceed 1/6 of estimated annual bill
7) Meter Testing		

The utility shall make a free test of the accuracy of a meter upon written request by a customer and a second free test may be requested twelve months subsequent to the first test. The fee for all meter tests requested within thirty-six months after the preceding test shall be \$39.00 if the meter is found not to be at fault.

8) Inspection Charge

All inspections of new mains during normal business hours shall be free of charge. All inspections of new mains during overtime hours shall be based on the amount of time required for the inspection.

9) Temporary Service \$10.00/week

\$10.00 minimum plus a deposit equal to the cost of the meter and a charge for the water used.

10) Extension of Service

Free if estimated 3-year revenue is greater than the construction cost. Actual cost if not.

11) Unauthorized Use of Hydrants

ISSUED PURSUANT TO

Cost of water figured at 8 hours of flow from hydrants.

43939
MAR 02 2011

Date _____
Indiana Utility Regulatory Commission

Approved by the Indiana Utility Regulatory Commission
Cause No. 43939, Order dated March 2, 2011

Appendix E

Proposed Tariff Reflecting Request Changes

BLOOMINGTON MUNICIPAL WATER UTILITY
Bloomington, Indiana

Schedule of Rates and Charges

Monthly usage charge applicable to Residential, Commercial, Governmental, Interdepartmental, Industrial, Indiana University – Master Metered, Indiana University – Non-Master Metered, Irrigation classes

<u>Category</u>	<u>Rates Per 1,000 Gallons</u>
Residential	\$ 3.73
Commercial, Governmental, Interdepartmental	3.16
Industrial	2.92
Indiana University – Master Metered	2.37
Indiana University – Non-Master Metered	3.16
Irrigation	3.42

Monthly Service Charge, in Addition to Monthly Usage for the customer categories listed above

<u>Meter Size</u>	<u>Charge</u>	<u>Meter Size</u>	<u>Charge</u>
5/8"	\$ 5.89	3"	\$ 60.55
3/4"	7.86	4"	99.57
1"	10.59	6"	197.13
1 1/2"	18.39	8"	294.69
2"	26.20	10"	392.24

Monthly Surcharges for Fire Protection Service for the customer categories listed above excluding Indiana University – Master Metered

<u>Meter Size</u>	<u>Charge</u>		<u>Meter Size</u>	<u>Charge</u>	
	<u>Inside City</u>	<u>Outside City</u>		<u>Inside City</u>	<u>Outside City</u>
5/8"	\$ 1.96	\$ 3.28	3"	\$ 34.23	\$ 57.50
3/4"	2.93	4.93	4"	58.67	98.53
1"	4.89	8.22	6"	122.27	205.29
1 1/2"	9.78	16.41	8"	176.06	295.60
2"	15.64	26.29	10"	283.63	476.27

The monthly Fire Protection Charge for Indiana University – Master Metered accounts as a group shall be \$1,794.45.

BLOOMINGTON MUNICIPAL WATER UTILITY

Bloomington, Indiana

Schedule of Rates and Charges

Contract Sales for Resale

The rate for contract sales for resale shall be \$2.39 per one thousand gallons.

Contract Sales for Resale Monthly Service Charge in Addition to Monthly Usage Charge

<u>Meter Size</u>	<u>Charge</u>	<u>Meter Size</u>	<u>Charge</u>
5/8"	\$ 5.89	3"	\$ 60.55
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2"	26.20	10"	392.24

Private fire connections per connection

<u>Line Size</u>	<u>Monthly</u>	<u>Annually</u>
4" and under	\$ 9.86	\$ 118.28
6"	27.40	328.77
8"	56.15	673.82
10"	98.34	1,180.09
12"	155.05	1,860.55

BLOOMINGTON MUNICIPAL WATER UTILITY
Bloomington, Indiana

Non-Recurring Charges

<u>Description of Charge</u>		<u>Charges</u>
1)	5/8" to 1" Connection	 - with tap \$1,327.00 - without tap \$1,533.00
2)	Greater than 1" Connection	Cost of connection but not less than charge for 5/8" to 1" connection
3)	Service Call	 - During hours \$45.00 - After hours \$171.00
4)	Bad Check Charge	\$25.00
5)	Late Payment Charge	3% of unpaid balance
This charge shall be paid only once and shall be based on the unpaid over-due balance.		
6)	Deposit	 - Residential Not to exceed \$39.00 - Commercial Not to exceed 1/6 of estimated annual bill

If a present residential customer has been mailed disconnect notices for two consecutive months or any three months within the preceding twelve-month period or has had service disconnected because of nonpayment within the past four years, a security deposit not to exceed one-sixth of the expected annual billing for the customer at the address at which service is rendered may be required.

7) Meter Testing

The utility shall make a free test of the accuracy of a meter upon written request by a customer and a second free test may be requested twelve months subsequent to the first test. The fee for all meter tests requested within thirty-six months after the preceding test shall be \$39.00 if the meter is found not to be at fault.

8) Inspection Charge

All inspections of new mains during normal business hours shall be free of charge. All inspections of new mains during overtime hours shall be based on the amount of time required for the inspection.

9) Temporary Service \$10.00/week

\$10.00 minimum plus a deposit equal to the cost of the meter and a charge for the water used.

10) Extension of Service

Free if estimated 3-year revenue is greater than the construction cost. Actual cost if not.

11) Unauthorized Use of Hydrants

Cost of Water billed for up to 8 hours at maximum flow rate of the hydrant for each day the hydrant is used.

Appendix F

Non-Recurring Rates and Charges Report prepared by Crowe Horwath
LLP

Non-Recurring Rates and Charges Report – City of Bloomington Municipal Water Utility

City of Bloomington, Indiana

Indiana Utility Regulatory Commission
30 – Day Filing

December 7, 2017

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Introduction

Purpose of the Report

Crowe Horwath LLP ("Crowe") has performed a study and analysis of certain City of Bloomington Municipal Water Utility ("CBU" or "Water Utility") miscellaneous and non-recurring charges as directed by the Water Utility's management. The results of our analysis are included in this Non-Recurring Rates and Charges Report ("Report").

The purpose of this Report is to estimate the Water Utility's cost to provide miscellaneous and non-recurring services for its customers. This Report is intended to be used by CBU to establish or reestablish applicable fee schedules. CBU, through separate entities, provides water, wastewater, and stormwater services through three utilities; however, this Report only considers charges of the Water Utility. This Report is based on data derived from interviews with CBU's personnel, as well as CBU's books and records.

It is our understanding that certain charges calculated within this Report are subject to the jurisdiction of the Indiana Utility Regulatory Commission ("Commission"). A specific determination of which charges are or are not under the jurisdiction of the Commission is a legal determination which is not within the scope of this Report.

In the course of preparing this Report, we have not conducted an audit of any financial or supplemental data used in the accompanying calculations. We have made certain projections that may vary from actual results because events and circumstances frequently do not occur as estimated and such variances may be material. We have no responsibility to update this Report for events and circumstances occurring after the date of this Report.

If you have any questions regarding this Report, please call Angie Steeno at (317) 269-2367 or Craig Lotz at (317) 689-5512.

Overview of this Report

This Report estimates the Water Utility's cost to provide miscellaneous and non-recurring services for the following:

Charge
Security Deposit
Service Calls Charge
Service Installation (without and with Tap)

Organization of this Report

The following six components are outlined for each of the non-recurring rates and charges analyzed in this Report, unless the component is not applicable to a rate or charge:

- Applicability
- Current Charge
- Charge Description
- Assumptions
- Additional Information
- Cost Buildup

Each of the six components are described below.

Applicability

All processes within this Report are applicable to the Water Utility, and are noted as such.

Current Charge

Crowe has included the current charge for each service within this Report. The current charge is included to provide the reader with an understanding of the present charge structure.

Charge Description

A description is provided for each charge that contains a general description of the service or task performed in connection with each charge.

Assumptions

Assumptions reflect data gathered through interviews and research of records of CBU that provide the basis for items included in the Cost-Buildup component.

Additional Information

The Additional Information section of each charge contains general information that clarifies the process and steps taken by the Utilities or other factors that Crowe gathered while developing cost estimates deemed pertinent to the analysis.

Cost Buildup

The Cost Buildup section reflects the Labor, Materials, Equipment, and Other Costs the Utilities incur to deliver each service. The Labor component includes an Hourly Rate for each employee, which captures salary, Public Employee Retirement Fund (PERF) contributions, taxes, and health plan costs associated with each employee.

Non-Recurring Rates and Charges

Security Deposit

Applicability

This charge is applicable to the Water Utility.

Current Charge

The Water Utility currently charges the following rate:

Charge Type	Current Charge
New residential customer, unable to establish credit worthiness	Not to exceed \$25
Current residential customer with (1) two consecutive disconnect notices or (2) three disconnect notices in prior twelve months	1/6 of expected annual cost of service
New commercial customer, unable to establish credit worthiness	1/6 of expected annual cost of service

Charge Description

Deposit collected from new or current customers who are unable to establish credit worthiness, or whose payment history has compromised credit worthiness. Generally, maximum deposits are established at amounts which are calculated as one-sixth of the expected annual costs of service in order to comply with governing laws and statutes. This Report has used that guideline within the following calculations.

Assumptions

- Average monthly consumption of single-family residential customers between November of 2016 and October of 2017 was 3,250 gallons.
- Calculated Security Deposits are rounded down to the nearest dollar in order to not exceed 1/6 of expected annual billing.

Additional Information

- Security Deposits are not currently collected or held by the Water Utility. The Current Charges outlined above represent the amount the Water Utility has established by Ordinance to collect from customers, but the Water Utility does not collect such amount in practice.

Cost Buildup

	<u>Water Utility</u>
Average one month single-family residential customer bill	\$ 19.97 (1)
Multiplied by: two months of service	<u>2.00</u>
Average two month residential customer bill (rounded down)	<u><u>39.00</u></u>
Calculated Security Deposit	\$ 39.00

(1) Based on rates effective as of the date of this Report, and average monthly consumption of single-family residential customers of 3,250 gallons.

Service Calls Charge

Applicability

This charge is applicable to the Water Utility.

Current Charge

The Water Utility currently charges the following rate:

Charge Type	Current Charge
Monday – Friday 7:30 am to 6:00 pm	\$18
After Hours	\$54

Charge Description

Charge for miscellaneous services performed by the Water Utility, including, turning water service on and off, rereading meters, inspection for leaks, and other services performed by the Water Utility.

Assumptions

- During normal business hours, a meter service personnel, or equivalent, ("Business Hours Employee") spends one hour completing service.
- After hours, any Utility maintenance personnel can complete the call based on availability and response to request. Only one employee completes the service after hours ("After Hours Employee"), and associated Hourly Rate for such employee will be calculated based on the average wage of all Meter Services and Transmission and Distribution personnel.
- Union contract specifies that employees will be paid a minimum of three working hours at one hundred and fifty percent (150%) of normal wages for after hours calls.
- Service Calls for the Water Utility occurring during normal business hours and after hours require a Service Truck for one hour.

Cost Buildup

		Hours	Hourly Rate	Normal Business Hours	After Hours
<u>Labor (1)</u>					
Business Hours Employee		1.00	\$ 31.77	\$ 31.77	
After Hours Employee		3.00	52.46		\$ 157.38
Labor Total				<u>31.77</u>	<u>157.38</u>
<u>Equipment</u>					
Service Truck		1.00	13.00	<u>13.00</u>	<u>13.00</u>
Total Charge				<u>44.77</u>	<u>170.38</u>
Total Charge (Rounded)				\$ 45.00	\$ 171.00

(1) Includes approximate cost of salary, PERF, FICA, and Health Insurance.

Service Installation Charge (without Tap)

Applicability

This charge is applicable to the Water Utility.

Current Charge

The Water Utility currently charges the following rate:

Charge Type	Current Charge
1" Service Installation Charge	\$776.18 (plus cost of excavation)
Greater than 1" Service Installation	Cost of Installation, but not less than 1" Installation

Charge Description

Charge for a residential connection to a Water Utility main that does not require the creation of a tap to the main.

Assumptions

- An Apprentice Master Equipment Operator (MEO) or Master MEO, Lineperson, and Laborer use a service truck and spend two hours completing the installation.
- Working Foreperson spends one quarter (0.25) hour assembling supplies and creating work order.
- Meter Services Representative spends one quarter (0.25) hour inputting data for account into Utility systems.
- The hole to expose the main is already dug by private contractor prior to Utility involvement.
- Project Coordinator spends one quarter (0.25) hour processing application for new residential installation.
- Meter Serviceperson uses service truck and spends one hour to travel to, set meter, and return.
- Cost of materials includes a forty percent (40%) overhead charge ("Burden Rate") to recover administrative costs associated with sourcing and purchasing materials. The Burden Rate represents the percent of administrative and general costs relative to total operation and maintenance costs of the Water Utility between 2014 and 2016.

Cost Buildup

<u>Labor (1)</u>	<u>Hours</u>	<u>Hourly Rate</u>	<u>Cost</u>
Apprentice/Master MEO	2.00	\$ 32.20	\$ 64.40
Lineperson	2.00	32.50	65.00
勞工	2.00	31.64	63.28
Working Foreperson	0.25	32.20	8.05
Meter Services Representative	0.25	28.03	7.01
Project Coordinator	0.25	39.88	9.97
Meter Serviceperson	1.00	31.77	31.77
Labor Total			249.48
<hr/>			
<u>Materials</u>	<u>Quantity</u>	<u>Cost/Unit</u>	<u>Cost</u>
Brass Swivel Corp Bend 90^	1.00	30.00	30.00
Brass Male (IP - COP)	1.00	13.85	13.85
Brass Angle Ball Valve (COP)	2.00	79.44	158.88
Yoke Bar (Single)	1.00	13.45	13.45
Roll Copper	10.00	4.00	40.00
Meter Pit	1.00	47.57	47.57
Frame and Lid with Small Nut	1.00	168.96	168.96
Extension Ring	1.00	80.00	80.00
Radio Read Equipment	1.00	189.06	189.06
Materials Subtotal			741.77
Add: Forty Percent (40%) Overhead			296.71
Materials Total			1,038.48
<hr/>			
<u>Equipment</u>	<u>Hours</u>	<u>Hourly Rate</u>	<u>Cost</u>
Service Truck	2.00	13.00	26.00
Service Truck	1.00	13.00	13.00
Equipment Total			39.00
Total Charge			1,326.96
Total Charge (Rounded)			\$ 1,327.00

(1) Includes approximate cost of salary, PERF, FICA, and Health Insurance.

Service Installation Charge (with Tap)

Applicability

This charge is applicable to the Water Utility.

Current Charge

The Water Utility currently charges the following rate:

Charge Type	Current Charge
1" Service Installation Charge	\$848.14 (plus cost of excavation)
Greater than 1" Service Installation	Cost of Installation, but not less than 1" Installation

Charge Description

Charge for a residential connection to a Water Utility main that requires the creation of a tap to the main.

Assumptions

- An Apprentice Master Equipment Operator (MEO) or Master MEO, Lineperson, and Laborer use a service truck and spend three hours completing the installation.
- Working Foreperson spends one quarter (0.25) hour assembling supplies and creating work order.
- Meter Services Representative spend one quarter (0.25) hour inputting data for account into Utility systems.
- The hole to expose the main is already dug by private contractor prior to Utility involvement.
- Project Coordinator spends one quarter (0.25) hour processing application for new residential installation.
- Meter Serviceperson uses service truck and spends one hour to travel to, set meter, and return.
- Cost of materials include a forty percent (40%) overhead charge ("Burden Rate") to recover administrative costs associated with sourcing and purchasing materials. The Burden Rate represents the percent of administrative and general costs relative to total operation and maintenance costs of the Water Utility between 2014 and 2016.

Cost Buildup

<u>Labor (1)</u>	<u>Hours</u>	<u>Hourly Rate</u>	<u>Cost</u>
Apprentice MEO/Master MEO	3.00	\$ 32.20	\$ 96.60
Lineperson	3.00	32.50	97.50
Laborer	3.00	31.64	94.92
Working Foreperson	0.25	32.20	8.05
Meter Services Representative	0.25	28.03	7.01
Project Coordinator	0.25	39.88	9.97
Meter Serviceperson	1.00	31.77	31.77
Labor Total			<u>345.82</u>
<u>Materials</u>	<u>Quantity</u>	<u>Cost/Unit</u>	<u>Cost</u>
Brass Ball Corp (CC Threads)	1.00	43.88	43.88
Brass Swivel Corp Bend 90^	1.00	30.00	30.00
Brass Male (IP - COP)	1.00	13.85	13.85
Brass Angle Ball Valve (COP)	2.00	79.44	158.88
Yoke Bar (Single)	1.00	13.45	13.45
Roll Copper	10.00	4.00	40.00
Meter Pit	1.00	47.57	47.57
Frame and Lid with Small Nut	1.00	168.96	168.96
Extension Ring	1.00	80.00	80.00
Tap on Main	1.00	25.00	25.00
Radio Read Equipment	1.00	189.06	<u>189.06</u>
Materials Subtotal			<u>810.65</u>
Add: Forty Percent (40%) Overhead			<u>324.26</u>
Materials Total			<u>1,134.91</u>
<u>Equipment</u>	<u>Hours</u>	<u>Hourly Rate</u>	<u>Cost</u>
Service Truck	3.00	13.00	39.00
Service Truck	1.00	13.00	<u>13.00</u>
Equipment Total			<u>52.00</u>
Total Charge			<u>1,532.73</u>
Total Charge (Rounded)			<u>\$ 1,533.00</u>

(1) Includes approximate cost of salary, PERF, FICA, and Health Insurance.

Appendix G

Documentation in Support of the Requested Charges

Exhibit G-1: Hourly Rates for Labor

Not Divided by 2,080 as figure is already expressed as an hourly rate

Added by Crowe

Salary Ordinance for 2017 (passed in 2016)

Utilities

	Grade	Min	Max	Amount to Use	Estimated Hourly (assumes 2,080 work hours/year)	Hourly Wage for Calculation (includes Perf, Fica, and Health)
Accounting and Finance						
Utilities Assistant Director – Finance	11	49,040	95,194	95,194	45.77	62.63
Finance Manager	8	36,779	63,989	63,989	30.76	44.35
Accounting Manager	7	35,920	61,162	61,162	29.40	42.69
Accounts Receivable Manager	6	34,542	56,360	56,360	27.10	39.88
Associate Accountant	5	31,412	49,131	49,131	23.62	35.64
Web/Information Manager	5	31,412	49,131	49,131	23.62	35.64
Account Collections Specialist	5	31,412	49,131	49,131	23.62	35.64
Accounting Clerk	4	27,649	43,245	43,245	20.79	32.19
Accounts Payable Clerk	4	27,649	43,245	43,245	20.79	32.19
Payroll Administrator	4	27,649	43,245	43,245	20.79	32.19
Assistant Accounts Payable Clerk	2	24,088	36,135	36,135	17.37	28.03
Cashier	2	24,088	36,135	36,135	17.37	28.03

Administration

Director	12	52,412	106,415	106,415	51.16	69.2
Deputy Director of Operations	11	49,040	95,194	95,194	45.77	62.63
Conservation and Energy Resource Manager	8	36,779	63,989	63,989	30.76	44.35
Public Affairs Specialist	7	35,920	61,162	61,162	29.40	42.69
Water Quality Coordinator	8	36,779	63,989	63,989	30.76	44.35
Pretreatment Program Coordinator	8	36,779	63,989	63,989	30.76	44.35
Backflow Prevention Program Manager	6	34,542	56,360	56,360	27.10	39.88
Environmental Research Technician	6	34,542	56,360	56,360	27.10	39.88
Administrative Assistant	4	27,649	43,245	43,245	20.79	32.19
Office Manager	3	26,259	39,383	39,383	18.93	29.93

Salary Ordinance for 2017 (passed in 2016)

Not Divided by 2,080 as figure is already expressed as an hourly rate

Added by Crowe

Utilities

	Grade	Min	Max	Estimated Hourly (assumes 2,080 work hours/year)	Hourly Wage for Calculation (includes Perf, Fica, and Health)
Board Member					
Blucher Poole					
Plant Manager	8	36,779	63,989	63,989	30.76
Wastewater Plant Operator	106*	16.99	20.51	21	20.51
Apprentice/Master MEO	104/108	16.76	20.80	21	20.80
Laborer	104	16.76	20.34	20	20.34
Customer Relations					
Customer Relations Manager	6	34,542	56,360	56,360	27.10
Customer Relations Representative	2	24,088	36,135	36,135	17.37
					28.03

Salary Ordinance for 2017 (passed in 2016)

Not Divided by 2,080 as figure is already expressed as an hourly rate

Added by Crowe

Utilities

	Grade	Min	Max	Amount to Use	Estimated Hourly (assumes 2,080 work hours/year)	Hourly Wage for Calculation (includes Perf, Fica, and Health)
Dillman						
Superintendent of Wastewater Treatment	9	39,317	73,018	73,018	35.10	49.64
Maintenance Coordinator	7	35,920	61,162	61,162	29.40	42.69
Solids Handling Supervisor	7	35,920	61,162	61,162	29.40	42.69
Secretary	2	24,088	36,135	36,135	17.37	28.03
Plant Maintenance Mechanic Apprentice/Mechanic	107/111	17.11	21.16	21	21.16	32.64
Wastewater Plant Operator	106*	16.99	20.51	21	20.51	31.85
Apprentice MEO/Master MEO	104/108	16.76	20.80	21	20.80	32.2
Engineering						
Utilities Assistant Director – Engineering	11	49,040	95,194	95,194	45.77	62.63
Utilities Engineer	10	41,241	80,056	80,056	38.49	53.76
Capital Projects Manager	9	39,317	73,018	73,018	35.10	49.64
GIS Coordinator	7	35,920	61,162	61,162	29.40	42.69
Senior Project Coordinator	7	35,920	61,162	61,162	29.40	42.69
Assistant GIS Coordinator	6	34,542	56,360	56,360	27.10	39.88
Project Coordinator	6	34,542	56,360	56,360	27.10	39.88
Utilities Inspector	6	34,542	56,360	56,360	27.10	39.88
Utilities Technician	5	31,412	49,131	49,131	23.62	35.64
Administrative and Project Coordinator	4	27,649	43,245	43,245	20.79	32.19
Education Specialist	4	27,649	43,245	43,245	20.79	32.19
Laboratory						
Chemist	8	36,779	63,989	63,989	30.76	44.35

Salary Ordinance for 2017 (passed in 2016)

Not Divided by 2,080 as figure is already expressed as an hourly rate

Added by Crowe

Utilities

	Grade	Min	Max	Amount to Use	Estimated Hourly (assumes 2,080 work hours/year)	Hourly Wage for Calculation (includes Perf, Fica, and Health)
					21	20.94
Lab Technician I	109	17.35	20.94	21	20.94	32.38

Meter Services

Assistant Superintendent	7	35,920	61,162	61,162	29.40	42.69
Meter Services Representative	2	24,088	36,135	36,135	17.37	28.03
Meter Technician II	107	17.11	20.70	21	20.70	32.08
Meter Serviceman	105	16.87	20.44	20	20.44	31.77
Meter Reader	103	16.64	20.22	20	20.22	31.5

Monroe Plant

Superintendent	9	39,317	73,018	73,018	35.10	49.64
Plant Service Mechanic	6	34,542	56,360	56,360	27.10	39.88
Plant Maintenance Mechanic Apprentice/Mechanic	107/111	17.11	21.16	21	21.16	32.64
Water Plant Operator	106*	16.99	20.51	21	20.51	31.85

Salary Ordinance for 2017 (passed in 2016)

Not Divided by 2,080 as figure is already expressed as an hourly rate

Added by Crowe

Utilities

	Grade	Min	Max	Amount to Use	Estimated Hourly (assumes 2,080 work hours/year)	Hourly Wage for Calculation (includes Perf, Fica, and Health)
Purchasing						
Purchasing Manager	7	35,920	61,162	61,162	29.40	42.69
Inventory Coordinator	4	27,649	43,245	43,245	20.79	32.19
Purchasing Buyer	4	27,649	43,245	43,245	20.79	32.19
Working Foreman	108	17.23	20.80	21	20.80	32.2
Laborer	104	16.76	20.34	20	20.34	31.64
Transmission and Distribution						
Utilities Assistant Director – T&D	11	49,040	95,194	95,194	45.77	62.63
Assistant Superintendent	7	35,920	61,162	61,162	29.40	42.69
Engineering Field Technician	5	31,412	49,131	49,131	23.62	35.64
T&D/Meter Operations Coordinator	4	27,649	43,245	43,245	20.79	32.19
Secretary	3	26,259	39,383	39,383	18.93	29.93
Communications Operator	1	22,095	33,428	33,428	16.07	26.44
Lineman	110	17.46	21.04	21	21.04	32.5
Plant Maintenance Mechanic Apprentice/Mechanic	107/111	17.11	21.16	21	21.16	32.64
Apprentice MEO/Master MEO	104/108	16.76	20.80	21	20.80	32.2
After Hours Employee					23	34.97
Laborer	104	16.76	20.34	20	20.34	31.64

*Wage set for one position in accordance with
Memorandum of Understanding in Regard to the
Elimination of the Position of "Chief Operator."

Not Divided by 2,080 as figure is already expressed as an hourly rate

Added by Crowe

Salary Ordinance for 2017 (passed in 2016)

Utilities

	Grade	Min	Max	Estimated Hourly (assumes Amount to Use	2,080 work hours/year)	Hourly Wage for Calculation (includes Perf, Fica, and Health)	
Pretreatment Program Inspector (position to be added per interviews with CBU)			40000		40,000	19.23	30.29

Burden Rate	Cost	Unit
Perf	0.142	Percent of Salary
FICA	0.0765	Percent of Salary
Health	6.86 per hour*	X - see next page

*Health cost of \$14,274/person divided by 2,080. (see Lineman Rates for 2017 with health insurance)

LINEMAN RATES FOR 2017

(Straight Time Rates)

(After Hours/Saturday Rates)

(Sunday Rates)

Lineman 1 : 1	Lineman @ x 1.5	Lineman @ x 2
\$20.17 per hour	\$30.26 per hour	\$40.34 per hour
\$ 2.86 perf	\$ 4.30 perf	\$ 5.73 perf
\$ 6.86 health	\$ 6.86 health	\$ 6.86 health
\$ 1.54 fica	\$ 2.31 fica	\$ 3.09 fica
\$31.43	\$43.73	\$56.02

R. Crowe
 25.20
 3.57
 1.92
 6.86
37.55

Laborer 1 : 1	Laborer @ x 1.5	Laborer @ x 2
\$ 19.36 per hour	\$ 29.04 per hour	\$ 38.76 per hour
\$ 2.75 perf	\$ 4.12 perf	\$ 5.50 perf
\$ 6.86 health	\$ 6.86 health	\$ 6.86 health
\$ 1.48 fica	\$ 2.22 fica	\$ 2.97 fica
\$ 30.45	\$ 42.24	\$ 54.09

Operator 1 : 1	Operator @ x 1.5	Operator @ x 2
\$ 20.28 per hour	\$ 30.42 per hour	\$ 40.56 per hour
\$ 2.89 perf	\$ 4.32 perf	\$ 5.76 perf
\$ 6.86 health	\$ 6.86 health	\$ 6.86 health
\$ 1.56 fica	\$ 2.33 fica	\$ 3.10 fica
\$ 31.59	\$ 43.93	\$ 56.28

Perf @ 14.20%

FICA @ 7.65%

Health \$14,274/2080 - \$6.86 **X**

Exhibit G-2: Security Deposit

BLOOMINGTON MUNICIPAL WATER UTILITY
Bloomington, Indiana

Schedule of Rates and Charges

Monthly usage charge applicable to Residential, Commercial, Governmental, Interdepartmental, Industrial, Indiana University – Master Metered, Indiana University – Non-Master Metered, Irrigation classes

Category	Rates Per 1,000 Gallons
Residential	Z \$ 3.73
Commercial, Governmental, Interdepartmental	3.16
Industrial	2.92
Indiana University – Master Metered	2.37
Indiana University – Non-Master Metered	3.16
Irrigation	3.42

Monthly Service Charge, in Addition to Monthly Usage for the customer categories listed above

Meter Size	Charge	Meter Size	Charge
5/8"	X \$ 5.89	3"	\$ 60.55
3/4"	7.86	4"	99.57
1"	10.59	6"	197.13
1 1/2"	18.39	8"	294.69
2"	26.20	10"	392.24

Monthly Surcharges for Fire Protection Service for the customer categories listed above
excluding Indiana University – Master Metered

Meter Size	Charge		Meter Size	Charge	
	Inside City	Outside City		Inside City	Outside City
5/8"	Y \$ 1.96	\$ 3.28	3"	\$ 34.23	\$ 57.50
3/4"	2.93	4.93	4"	58.67	98.53
1"	4.89	8.22	6"	122.27	205.29
1 1/2"	9.78	16.41	8"	176.06	295.60
2"	15.64	26.29	10"	283.63	476.27

The monthly Fire Protection Charge for Indiana University – Master Metered accounts as a group shall be \$1,794.45.

EFFECTIVE

August 4, 2017

Indiana Utility Regulatory
Commission

Issued Pursuant to

Cause No. 44855

March 29, 2017

Indiana Utility Regulatory Commission
Water/Wastewater Division

Approved by the Indiana Utility Regulatory Commission
Cause No. 44855, Order dated March 29, 2017

BLOOMINGTON MUNICIPAL WATER UTILITY
Bloomington, Indiana

Schedule of Rates and Charges

Contract Sales for Resale

The rate for contract sales for resale shall be \$2.39 per one thousand gallons.

Contract Sales for Resale Monthly Service Charge in Addition to Monthly Usage Charge

<u>Meter Size</u>	<u>Charge</u>	<u>Meter Size</u>	<u>Charge</u>
5/8"	\$ 5.89	3"	\$ 60.55
3/4"	7.86	4"	99.57
1"	10.59	6"	197.13
1 1/2"	18.39	8"	294.69
2"	26.20	10"	392.24

Private fire connections per connection

<u>Line Size</u>	<u>Monthly</u>	<u>Annually</u>
4" and under	\$ 9.86	\$ 118.28
6"	27.40	328.77
8"	56.15	673.82
10"	98.34	1,180.09
12"	155.05	1,860.55

	Monthly Service charge	Monthly Fire Protection	Monthly Usage Charge (per 1,000 gallons)
Water	X 5.89	Y 1.96	Z 3.73
Calculated Bill for 3,250 gallons (X + Y + (Z*3.25))	19.97		



See next page for
average monthly
consumption.

EFFECTIVE
August 4, 2017
Indiana Utility Regulatory
Commission

Issued Pursuant to
Cause No. 44855
March 29, 2017
Indiana Utility Regulatory Commission
Water/Wastewater Division

Approved by the Indiana Utility Regulatory Commission
Cause No. 44855, Order dated March 29, 2017

From: [Rance Fawbush](#)
To: [Steno, Angie](#)
Cc: [Michelle Waldon](#); [Lotz, Craig](#); [Paula Dodds](#); robertst@bloomington.in.gov
Subject: Re: Security Deposit
Date: Thursday, October 12, 2017 9:45:13 AM

For November 2016 through October 2017, I get a single-family average of 3.25, a multi-family average of 15.57, and a combined average of 5.62.

Exhibit G-3: Service Calls Charge

Equipment	Replacement Cost (1)	Useful Life (2)	Replacement Cost / Useful Life	Average Annual Maintenance Cost (3)	Total Annual Cost (includes Burden Rate (4))	Annual Service Hours (5)	Cost Per Hour (rounded up to nearest dollar)
Service Truck	71,875.00	5.00	14,375.00	858.33	21,327.00	1,750.00	13.00

(1) Average replacement cost of current Service Trucks placed in service after 2010. See Service Calls - 1.

(2) Per CBU records and interviews.

(3) Based on sample of 3 service records of Service Trucks provided by the Utility. See Service Calls - 3.

(4) 40% Burden Rate applied to annual cost based on three year average of total Administrative and General Expenses as a percentage of other Operating and Maintenance Costs. See Service Calls - 4.

(5) Provided by CBU in response to data request.

Excerpt of Vehicle List provided by CBU - filtered for 1 Ton and 1 1/2 Ton Utility Trucks with Replacement dates ("REPL") 2010 and after

Service Calls - 1

City of Bloomington Utilities Vehicle List

VEH	TYPE	YR	Model #	FUEL TYPE	CODE	Code Name	PURCHASE DATE	PURCHASE PRICE	Rep. Cost	REPL	USEFUL LIFE (YEARS)	STANDARD SERVICE YEARS
621	GMC 1 1/2 Ton Truck With Utility Body & Underdeck Compressor With Crane	2001		Diesel	UT-1 1/2	1 1/2 TON UTILITY	4/16/2001	\$47,588.00	(2) 70,000	2011	5	2-3 yrs Per fleet 7-10 yrs per GASB
629	2013 Ford Utility Service Truck F450 4X4	2013	F-450	Diesel	UT-TON	1 TON UTILITY	11/26/2013	\$59,707.80	(1) 75,000	2023	10	2-3 yrs Per fleet 7-10 yrs per GASB
630	Ford Utility Service Truck F450 4X4 - White	2013	F-450	Diesel	UT-TON	1 TON UTILITY	11/26/2013	\$59,707.80	(1) 75,000	2023	10	2-3 yrs Per fleet 7-10 yrs per GASB
631	2013 Ford Utility Service Truck F450 4X4 Super Duty Truck	2013	F-450	Diesel	UT-TON	1 TON UTILITY	11/26/2013	\$59,707.80	(1) 75,000	2023	10	2-3 yrs Per fleet 7-10 yrs per GASB
673	GMC 1 1/2 Ton Truck With Utility Body And Underdeck Compressor	2001		Diesel	UT-1 1/2	1 1/2 TON UTILITY	4/16/2001	\$47,588.00	(2) 70,000	2011	5	2-3 yrs Per fleet 7-10 yrs per GASB
704	Chevy 1 Ton 4 WD Utility Truck With Crane And Diesel Engine	2003	Being replaced by 690	Diesel	UT-TON	1 TON UTILITY	6/11/2003	\$43,962.40	(1) 70,000	2010	5	2-3 yrs Per fleet 7 yrs per GASB

1. Calculated average of 1 Ton Utility Trucks
2. Calculated average of 1 1/2 Ton Utility Trucks
3. Average of (1) and (2) = \$71,875

Equipment/Charge	3 samples annual maintenance costs	Average Cost
Service Truck	643	1657
Dump Truck	1151	1901
Tandem Truck	1003	
Flat Bed Truck		-
Backhoe	1078	4074
Ho-Ram		-
Loader	140	1163
Excavator	657	291
Trencher		-
Vactor	299	6195
Jet Rodder	17704	
TV Truck	1771	315
Mini Camera		-
Air Compressor	129	
Pickup Truck	704	1986

BLOOMINGTON MUNICIPAL WATER UTILITY

Bloomington, Indiana

Excerpt from Statements of Income for the Twelve Months Ended
 December 31, 2016, 2015, and 2014

Operating ExpensesOperation and Maintenance Expenses

Source of Supply	1,652,155	1,499,331	1,637,122
Water Treatment	1,152,432	1,354,844	1,223,495
Transmission and Distribution	1,922,511	1,739,923	1,711,371
Customer Accounts	703,641	576,649	639,959
Engineering	480,638	407,467	413,563
Administrative and General	1,722,801	2,763,769	2,257,694
Total Operation and Maintenance Expenses	7,634,178	8,341,983	7,883,204

Administrative and General / (Total Operation and Maintenance Expenses - Administrative and General)

29% 50% 40%

Average Burden Rate - 2014-2016

40%

Exhibit G-4: Service Installation (without and with Tap)

Service Installation materials cost provided by CBU on 8/21/17.

		COST	PER
D-002	Brass Ball Corp (CC Threads)	\$ 43.88	EA.
D-003	Brass Swivel Corp Bend 90	\$ 30.00	EA.
D-005	Brass Male (IP-COP)	\$ 13.85	EA.
D-013	Brass Angle Ball Valve (COP)	\$ 79.44	EA.
D-025	Yoke Bar (single)	\$ 13.45	EA.
D-001	Roll Copper	\$ 4.00	FT.
MP-24X30	Meter Pit (24x30)	\$ 47.57	EA.
MPFL-10	Frame ad Lid with Small Nut (20")	\$ 168.96	EA.
MPXR-20X24	Extension Ring (20x24)	\$ 80.00	EA.
			Nancy or
Tap on Main	3" - 12" is \$250		Angie
	2" - \$25 + time and materials		
	included in the flat SFR water connection fee if they need a tap, there's a difference of \$7		
Radio Read Equipment	See		Brandon

From: [Michelle Waldon](#)
To: [Lotz, Craig](#)
Subject: Fwd: Information for Crowe
Date: Friday, September 8, 2017 12:19:17 PM

----- Forwarded message -----

From: **Nancy Axsom** <axsomn@bloomington.in.gov>
Date: Fri, Sep 8, 2017 at 11:50 AM
Subject: Re: Information for Crowe
To: Michelle Waldon <waldonm@bloomington.in.gov>

The MXU for fire lines cost us \$205, plus we change out a meter which costs us
\$138.75

Meter Transceiver Unit (MXU), or Radio Read Equipment
for purposes of Report.

The MXU used in meter pits cost us \$189.06

Nancy Axsom
City of Bloomington Utilities
Proj. Coor. - New Services
[600 E Miller Dr, Bloomington, IN 47401](#)
[812-349-3689](#)

