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# AN ORDINANCE AMENDING CHAPTER 51 OF THE CITY OF FORT WAYNE CODE OF ORDINANCES

WHEREAS, pursuant to Indiana Code 36-9-23-25, the Common Council of the City of Fort Wayne Indiana has enacted a User Charge System and a Sewer Use Ordinance as contained in Chapter 51 of the Fort Wayne Code of Ordinances; and

WHEREAS, Indiana Code 8-1.5-3-8 states that rates and charges of municipally owned utilities are unlawful if they are too low to produce income sufficient to maintain the utility property in a sound physical and financial condition to render adequate and efficient services, and

WHEREAS, the City of Fort Wayne is subject to a Consent Decree, effective April 1, 2008, wherein the City must construct certain facilities at certain times within 18 years from the effective date to achieve certain specified levels of control over combined sewer overflows. Further, Fort Wayne must avoid sanitary sewer overflows and must report timely on progress and events or pay per diem fines and penalties for failure to meet deadlines, milestones or for failure to provide sufficient maintenance; and

WHEREAS, the Water Pollution Control Utility has developed plans for investments in high value combined sewer system projects, projects to build capacity in the sanitary sewer interceptors for future economic growth and development, a continuation of pipeline rehabilitation work, and preventative maintenance programs for maintenance sufficiency; and

WHEREAS, Water Pollution Control Plant, sewer capacity and water quality capital projects have been incorporated into a long-term plan for sewer improvements — the next six years (2015 – 2020) of which are included in the sewage works Capital Improvement Program (CIP); and

WHEREAS, upon review of the sewage works Capital Improvement Program, the Board of Public Works of the City of Fort Wayne, in accordance with I.C. 36-9-23-25 now finds that existing rates and charges for the use of and services rendered by the Water Pollution Control Utility do not provide sufficient revenue to:

- (a) Pay all expenses incidental to the operation of the sewage works as defined in 36-9-1-8, including legal expenses, maintenance costs, operating charges, repairs, lease rentals, and interest charges on bonds or other obligations;
- (b) Provide the sinking fund required by Indiana Code 36-9-23-21 for proposed debt; and
- (c) Provide adequate money for improving and replacing the sewage works, specifically those projects that are required by the Consent Decree; and

WHEREAS, a series of adjustments in treatment, conveyance and other rates and fees rates shown herein, are needed to fund the sewer CIP projects for the next six years (2015 – 2020) and meet the requirements of Indiana Code 36-9-23-25; and

WHEREAS, the Board of Public Works of the City of Fort Wayne did, on July 2, 2014 resolve that it is in the best interest of the Fort Wayne Water Pollution Control Utility, in order to provide income sufficient to maintain the utility property in a sound physical and financial condition to be able to render adequate and efficient service to its users while implementing the recommendations of the Sewer Advisory Group and requirements of the Consent Decree, and the Utility's approved six-year CIP to revise sewage rates charged to all sewage works users as shown herein for the years listed, effective January 1<sup>st</sup> of each respective year, and did recommended that such changes be adopted by Common Council by way of amendment to Chapter 51 of the Fort Wayne Code of Ordinances; and

WHEREAS, the Common Council now finds the sewer rates for the next five years are insufficient pursuant to Indiana Code 36-9-23-25 to meet the needs of the Fort Wayne Water Pollution Control Utility (sewage works), including capital projects planned for the next six years; and

WHEREAS, the Common Council of the City of Fort Wayne now finds it is in the best interest of the Fort Wayne Water Pollution Control Utility, in order to provide income sufficient to maintain the utility property in a sound physical and financial condition to be able to render adequate and efficient service to its users while implementing the recommendations of the Sewer Advisory Group and requirements of the Consent Decree, and the Utility's six-year CIP to revise

sewage rates charged to all sewage works users as shown herein for the years listed, effective January 1<sup>st</sup> of each respective year.

# NOW THEREFORE, BE IT ORDAINED BY THE COMMON COUNCIL OF THE CITY OF FORT WAYNE, INDIANA;

**SECTION 1.** That the following sections or subsections of Chapter 51 of the Fort Wayne Code of Ordinances be amended as follows with all other sections to remain unchanged:

#### 51.001 DEFINITIONS

(The following is to be added in the appropriate location, alphabetically)

CONTRACT CUSTOMER. Any user of the City Utilities Water Pollution Control Utility that has signed a long-term contract committing to send sewage flows to the Fort Wayne treatment works for treatment; and that has provided growth projections and estimated average daily flows that allow Fort Wayne to reserve capacity in the collection and treatment system for such flows; and that has committed – via contract – to control peak flows or pay penalties for exceedances; or which has customers for whom Fort Wayne does not provide direct account management and other administrative services and does not provide direct sewage collection and conveyance services; or any customer that has – by contract – has committed themselves to terms and conditions that are not applicable to retail customers. Users that do not meet these criteria shall be considered retail users.

#### (To be deleted and replaced as follows)

**CAPITAL IMPROVEMENT SURCHARGE.** The additional charges for sewage service collected from retail sanitary sewer users discharging sewage to the water pollution control utility from a capital improvement surcharge area designated to be responsible to contribute to the payment of costs associated with installation, adjustment or other improvements to the water pollution control utility intended to serve the capital improvement surcharge area.

# 51.069 METERED RETAIL USER CHARGES (delete existing and replace)

- (A) Metered retail users include residential, industrial, commercial, institutional and governmental users.
- (B) Hereinafter, the terms "inside city" or "outside city" shall be read to distinguish the users located within or outside the corporate boundaries of the City of Fort Wayne. Users designated as outside city who are within an annexation area shall, upon the effective date of annexation, be designated as inside the city and inside city rates and charges shall apply.
- (C) Inside city charges for metered consumption, service charges, and for flat user charges (Section 51.070) are 20% less than for outside city users.
  - (D) Inside city consumption and service charges.
    - (1) Consumption charge. Monthly charges for services rendered to users within the corporate boundaries of the City of Fort Wayne shall be based on metered water consumption, unless otherwise measured, in accordance with the following charges for this classification of service:

	Unit of Measure	Effective January 1, 2015	Effective January 1, 2016	Effective January 1, 2017	Effective January 1, 2018	Effective January 1, 2019
Treatment	Per cef per month	\$ 2.5983	\$ 2.8643	\$ 3.0593	\$ 3.0797	\$ 3.2550
Collection and Conveyance	Per ccf per month	\$ 1.8223	\$ 1.9317	\$ 2.1184	\$ 2.3628	\$ 2.6091
Total	Per ccf per month	\$ 4.4206	\$ 4.7960	\$ 5.1777	\$ 5.4425	\$ 5.8641

(2) Service charge. In addition to the consumption charge, users inside the city shall be billed a monthly service charge based on water meter size:

Meter	Unit of	Effective	Effective	Effective	Effective	Effective
size	Measure	January 1,				
		2015	2016	2017	2018	2019

5/8" - 3/4"	Per meter	\$ 8.80	\$ 9.50	\$10.26	\$12.07	\$13.03
	month					-
1"	Per meter per month	\$15.72	\$17.24	\$18.96	\$23.43	\$25.50
1 ½"	Per meter per month	\$30.93	\$34.27	\$38.10	\$48.41	\$52.92
2"	Per meter per month	\$50.29	\$55.94	\$62.46	\$80.20	\$87.82
3"	Per meter per month	\$110.22	\$123.02	\$137.86	\$178.61	\$195.85
4"	Per meter per month	\$188.59	\$210.74	\$236.46	\$307.30	\$337.12
6"	Per meter per month	\$423.70	\$473.90	\$532.26	\$693.37	\$760.93
8"	Per meter per month	\$751.47	\$840.78	\$944.64	\$1,231.60	\$1,351.77
10"	Per meter per month	\$1,171.44	\$1,310.85	\$1,473.02	\$1,921.22	\$2,108.81

# (E) Outside city consumption and service charges.

(1) Consumption charge. Monthly charges for services rendered to users outside the corporate boundaries of the City of Fort Wayne shall be based on metered water consumption, unless otherwise measured, in accordance with the following charges for this classification of service:

	Unit of	Effective	Effective	Effective	Effective	Effective
	Measure	January 1, 2015	January 1, 2016	January 1, 2017	January 1, 2018	January 1, 2019
Treatment	Per ccf per month	\$ 3.2478	\$ 3.5803	\$ 3.8241	\$ 3.8496	\$ 4.0687
Collection and Conveyance	Per cef per month	\$ 2.2778	\$ 2.4146	\$ 2.6480	\$ 2.9535	\$ 3.2613
Total	Per ccf per month	\$ 5.5256	\$ 5.9949	\$ 6.4721	\$ 6.8031	\$ 7.3300

(2) Service charge. In addition to the consumption charge, outside city users shall be billed a monthly service charge based on water meter size:

Meter	Unit of	Effective	Effective	Effective	Effective	Effective
size	Measure	January 1, 2015	January 1, 2016	January 1, 2017	January 1, 2018	January 1, 2019
5/8" – 3/4"	Per meter per month	\$ 11.00	\$ 11.87	\$ 12.82	\$ 15.08	\$ 16.28
1"	Per meter per month	\$ 19.65	\$ 21.54	\$ 23.70	\$ 29.28	\$ 31.87
1 ½"	Per meter per month	\$ 38.66	\$ 42.83	\$ 47.62	\$ 60.50	\$ 66.14
2"	Per meter per month	\$ 62.86	\$ 69.92	\$ 78.07	\$100.24	\$109.77
3"	Per meter per month	\$137.77	\$153.77	\$172.32	\$223.26	\$244.81
4"	Per meter per month	\$235.73	\$263.42	\$295.57	\$384.12	\$421.40
6"	Per meter per month	\$529.62	\$592.37	\$665.32	\$866.71	\$951.16
8"	Per meter per month	\$939.33	\$1,050.97	\$1,180.80	\$1,539.50	\$1,689.71
10"	Per meter per month	\$1,464.30	\$1,638.56	\$1,841.27	\$2,401.52	\$2,636.01

# 51.070 FLAT RETAIL USER CHARGES (delete existing and replace)

(A) Flat user charges inside City. In the event that any inside city user is not a metered water customer, there shall be imposed a monthly flat charge as follows:

	Unit of	Effective	Effective	Effective	Effective	Effective
	Measure	January 1,				
		2015	2016	2017	2018	2019
Single	Per ERU	\$ 48.59	\$ 50.27	\$ 51.68	\$ 55.61	\$ 59.94
family	per					
residential	month					-
dwelling						

per month						
All unmetered customers other than	Per ERU per month	To be calculated by City Utilities				
single family residential dwelling per month						TO T

The utility shall retain documentation supporting its ERU determination and billings based thereon. Such determination of billings may be reviewed and adjusted by the utility at any time. Adjustments, additional charges or refunds may only be applied to bills that were due within the past six years.

(B) Flat user charges outside City. In the event that any outside city user is not a metered water customer, there shall be imposed a monthly flat charge as follows:

	Unit of	Effective	Effective	Effective	Effective	Effective
	Measure	January 1,				
		2015	2016	2017	2018	2019
Single family residential dwelling per month	Per ERU per month	\$ 60.73	\$ 62.84	\$ 64.59	\$ 69.51	\$ 74.92
All unmetered customers other than single family residential dwelling per month	Per ERU per month	To be calculated by City Utilities				

The utility shall retain documentation supporting its ERU determination and billings based thereon. Such determination of billings may be reviewed and adjusted by the utility at any time. Adjustments, additional charges or refunds may only be applied to bills that were due within the past six years.

# 51.071 CONTINUING SURVEILLANCE SAMPLING/WASTE EVALUATION CHARGES (delete existing and replace)

(A) Surveillance/Evaluation charge inside City. All inside City users discharging wastes into the system that require continuing surveillance sampling and waste evaluation, shall be subject to the following fixed charges to cover the costs of such services.

Monthly Evaluation

	Unit of Measure	Effective January 1, 2015	Effective January 1,	Effective January 1, 2017	Effective January 1, 2018	Effective January 1, 2019
Type 1 Evaluation	Per discharge point per month	\$ 140.30	\$ 140.30	\$ 140.30	\$ 140.30	\$ 140.30
Type 2 Evaluation	Per discharge point per month	\$ 156.63	\$ 156.63	\$ 156.63	\$ 156.63	\$ 156.63

## **Evaluation Per Occurrence**

	Unit of	Effective	Effective	Effective	Effective	Effective
Para Para Para Para Para Para Para Para	Measure	January 1, 2015	January 1, 2016	January 1, 2017	January 1, 2018	January 1, 2019
Type 1 Evaluation	Per discharge point	\$ 420.89	\$ 420.89	\$ 420.89	\$ 420.89	\$ 420.89
Type 2 Evaluation	Per discharge point	\$ 469.89	\$ 469.89	\$ 469.89	\$ 469.89	\$ 469.89
Grab Compliance	Per sample	\$ 191.35	\$ 191.35	\$ 191.35	\$ 191.35	\$ 191.35

(B) Surveillance/Evaluation charge outside City. All outside City users discharging wastes into the system that require continuing surveillance sampling and waste evaluation, shall be subject to the following fixed charges to cover the costs of such services.

Monthly Evaluation

	Unit of	Effective	Effective	Effective	Effective	Effective
	Measure	January 1,				
	Mary Control of the C	2015	2016	2017	2018	2019
Type 1 Evaluation	Per discharge point per month	\$ 140.30	\$ 140.30	\$ 140.30	\$ 140.30	\$ 140.30
Type 2	Per	\$ 156.63	\$ 156.63	\$ 156.63	\$ 156.63	\$ 156.63

Evaluation	discharge			
	point per			
	month		 	

**Evaluation Per Occurrence** 

	Unit of	Effective	Effective	Effective	Effective	Effective
	Measure	January 1, 2015	January 1, 2016	January 1, 2017	January 1, 2018	January 1, 2019
Type 1 Evaluation	Per discharge point	\$ 420.89	\$ 420.89	\$ 420.89	\$ 420.89	\$ 420.89
Type 2 Evaluation	Per discharge point	\$ 469.89	\$ 469.89	\$ 469.89	\$ 469.89	\$ 469.89
Grab Compliance	Per sample	\$ 191.35	\$ 191.35	\$ 191.35	\$ 191.35	\$ 191.35

## 51.072 STRENGTH OF WASTE SURCHARGE (delete existing and replace)

- (A) Each user discharging wastes into the collection system shall be subject to a Strength of Waste Surcharge, in addition to other sewage service charges imposed by this chapter, based on the following minimum strength characteristics to the extent that such wastes are in concentrations greater than:
  - (1) Biochemical oxygen demand of 300 milligrams per liter.
  - (2) Chemical oxygen demand of 600 milligrams per liter.
  - (3) Suspended solids content of 300 milligrams per liter.
  - (4) Phosphorus content of 10 milligrams per liter.
  - (5) Ammonia content of 25 milligrams per liter.
- (B) Strength of waste surcharge inside City. In the event any inside City user in this classification contributes waste having strength of sewage in excess of domestic waste characteristics, as herein defined, a surcharge based on the following unit process charges will be in effect for all waste found to be in excess of limitations:

	Unit of Measure	Effective January 1, 2015	Effective January 1, 2016	Effective January 1, 2017	Effective January 1, 2018	Effective January 1, 2019
Suspended Solids	Per pound per month	\$ 0.1521	\$ 0.1521	\$ 0.1521	\$ 0.1521	\$ 0.1521
Biochemical Oxygen Demand	Per pound per	\$ 0.1164	\$ 0.1164	\$ 0.1164	\$ 0.1164	\$ 0.1164

	month					
Phosphorus	Per pound per month	\$ 1.4990	\$ 1.4990	\$ 1.4990	\$ 1.4990	\$ 1.4990
Ammonia	Per pound per month	\$ 0.2659	\$ 0.2659	\$ 0.2659	\$ 0.2659	\$ 0.2659

The surcharge shall be determined as follows: The excess pounds of BOD or COD (whichever results in the higher charge) suspended solids, phosphorus and ammonia will each be computed by first multiplying the user's billing sewage volume measured in units of 100 cubic feet for the current billing period by the factor 0.0062321 and then multiplying this product by the difference between, (a) the concentrations measured in milligrams per liter, of the BOD (or COD), suspended solids, phosphorus and ammonia respectively in the user's sewage, and (b) the allowed concentrations set out in 51.072. The surcharge for each constituent will then be determined by multiplying the excess pounds of each constituent by the appropriate rate of surcharge. In the event COD measurement is used, as hereinbefore provided, 50% of the excess pounds measured will be used to compute the equivalent BOD charge.

(C) Strength of waste surcharge outside City. In the event any outside City user in this classification contributes waste having strength of sewage in excess of domestic waste characteristics, as herein defined, a surcharge based on the following unit process charges will be in effect for all waste found to be in excess of limitations:

	Unit of	Effective	Effective	Effective	Effective	Effective
	Measure	January 1,				
		2015	2016	2017	2018	2019
Suspended Solids	Per pound per month	\$ 0.1521	\$ 0.1521	\$ 0.1521	\$ 0.1521	\$ 0.1521
Biochemical Oxygen Demand	Per pound per month	\$ 0.1164	\$ 0.1164	\$ 0.1164	\$ 0.1164	\$ 0.1164
Phosphorus	Per pound per month	\$ 1.4990	\$ 1.4990	\$ 1.4990	\$ 1.4990	\$ 1.4990
Ammonia	Per pound per month	\$ 0.2659	\$ 0.2659	\$ 0.2659	\$ 0.2659	\$ 0.2659

The surcharge shall be determined as follows: The excess pounds of BOD or COD (whichever results in the higher charge) suspended solids, phosphorus and ammonia will each be computed by first multiplying the user's billing sewage volume measured in units of 100 cubic feet for the current billing period by the factor 0.0062321 and then multiplying this product by the difference between, (a) the concentrations measured in milligrams per liter, of the BOD (or COD), suspended solids, phosphorus and ammonia respectively in the user's sewage, and (b) the allowed concentrations set out in 51.072. The surcharge for each constituent will then be determined by multiplying the excess pounds of each constituent by the appropriate rate of surcharge. In the event COD measurement is used, as hereinbefore provided, 50% of the excess pounds measured will be used to compute the equivalent BOD charge.

#### 51.073 BULK WASTE CHARGES (delete existing and replace)

(A) Bulk Industrial Waste Charge. All industrial waste suitable for disposal, which has been delivered by an approved Waste Hauler to City's plant. For purposes of computing charges hereunder, a LOAD is defined as 1,000 gallons of tank capacity or any fraction thereof.

	Unit of	Effective	Effective	Effective	Effective	Effective
	Measure	January 1, 2015	January 1, 2016	January 1, 2017	January 1, 2018	January 1, 2019
Discharge	1,000 gallons	\$ 110.22	\$ 110.22	\$ 110.22	\$ 110.22	\$ 110.22
Billing Charge	Per bill	\$ 4.19	\$ 4.19	\$ 4.19	\$ 4.19	\$ 4.19

(B) *Domestic*. All domestic waste delivered to the city's plant by customer's truck or tank. For purposes of computing charges hereunder, a **LOAD** is defined as 1,000 gallons of tank capacity or any fraction thereof.

	Unit of	Effective	Effective	Effective	Effective	Effective
	Measure	January 1,				
1		2015	2016	2017	2018	2019
Discharge	1,000 gallons	\$ 57.93	\$ 57.93	\$ 57.93	\$ 57.93	\$ 57.93
Billing Charge	Per bill	\$ 4.19	\$ 4.19	\$ 4.19	\$ 4.19	\$ 4.19

(C) Manifest. All bulk waste loads delivered to the Water Pollution Control Plant shall be accompanied by a "Waste Hauler Manifest," the form for which will be provided by the city.

# OTHER RATES AND CHARGES (as approved by Ordinance No. and moved from Section 51.077.5).

- (A) Food Service Establishment Surcharge.
- \$ 1.0129 per ccf per month

(B) Tap Inspection Fee.

51.074

\$ 75.00 per inspection

(C) Meter on Well Installation.

- \$254.00 per installation
- (D) These charges are subject to change as warranted and authorized by Ordinance.

# 51.075 MONTHLY CAPITAL IMPROVEMENT SURCHARGE (as approved by Amended Ordinance No. G-25-13 and moved from Section 51.077)

- (A) All classifications of users subject to a capital improvement surcharge shall pay the applicable surcharge in addition to other sewage service charges imposed by this chapter. Capital improvement surcharges shall remain in effect until the cost of the intended installations, adjustments or improvements to the water pollution control utility has been retired and the capital improvement surcharge area has been retired.
- (B) The designated capital improvement surcharge areas, the respective amount of the surcharges, and frequency of the surcharges include the following:

Capital	Unit of	Effective	Effective	Effective	Effective	Effective
Improvement	Measure	January 1,				
Surcharge		2015	2016	2017	2018	2019
Area						}
Deer Track	Per ERU	\$ 42.00	\$ 42.00	\$ 42.00	\$ 42.00	\$ 42.00
Area	Per month					
Neuhaus	Per ERU	\$ 20.00	\$ 20.00	\$ 20.00	\$ 20.00	\$ 20.00
Extension	Per month					
Rothman	Per ERU	\$ 22.50	\$ 22.50	\$ 22.50	\$ 22.50	\$ 22.50
Road Area	Per month					
Southtown	Per ERU	\$ 4.00	\$ 4.00	\$ 4.00	\$ 4.00	\$ 4.00
Center Area	Per month			l		
Tiernam	Per ERU	\$ 22.50	\$ 22.50	\$ 22.50	\$ 22.50	\$ 22.50
Shed B	Per month			<u> </u>		E-acceptance of the control of the c
Upper Ely	Per ERU	\$ 20.00	\$ 20.00	\$ 20.00	\$ 20.00	\$ 20.00
	Per month					
Zanesville	Per ERU	\$ 12.00	\$ 15.00	\$ 15.00	\$ 15.00	\$ 0.00
	Per month					

and mov	ved from Section 51.076.5)
(A) Area Connection Fee Charges,	
Southeast	\$350 per ERU
Southtown Centre	\$2,450 per ERU
Tiernan	\$1,200 per ERU
Notestine	\$1,800 per ERU
Rothman	\$2,700 per ERU
North Maumee	\$2,100 per ERU
Central	\$600 per ERU
Neuhaus	\$1,400 per ERU
Southwest	\$750 per ERU
Upper Ely	\$2,000 per ERU
Upper Spy Run	\$1,800 per ERU
Zanesville	\$2,500 per ERU
Deer Track Area	\$2,950 per ERU

(as approved by Ordinance No.

AREA CONNECTION FEES

51.076

- (B) These charges are subject to change as warranted and authorized by Ordinance.
- (C) Per IC 36-9-23-29(d), proceeds of connection fees collected under this section are to be used as net revenues of the sewage works.

# 51.077 CONTRACT CUSTOMERS (delete existing and replace)

Contract customer rates are applicable only to those users that meet the criteria described in the definition of a contract customer. If a user does not meet the criteria in the definition of a contract customer, the user will be considered to be a retail customer and retail rates shall apply.

In the event City Utilities consummates a contract to serve as a regional treatment plant to a contract customer the following fees and charges shall apply:

- (A) Treatment charge (per 100 cubic feet).
- (B) Conveyance charge (per 100 cubic feet). A variable charge for conveyance and collections costs attributable to each contract customer's portion of the city conveyance system, and operating costs associated therewith, shall be computed by the city and added to the treatment cost to arrive at the contractee's total metered rate.

- (C) Monthly service charge.
- (D) Surveillance/Evaluation charge. All contract customers discharging wastes into the system that require continuing surveillance sampling and waste evaluation, shall be subject to 51.071(A) Surveillance/evaluation charge inside City to cover the costs of such services.
- (E) Excess strength of waste. In the event a contract customer user contributes waste having a strength of sewage in excess of domestic waste characteristics, as hereinbefore defined, a surcharge shall be implemented per 51.072(B) Strength of waste surcharge inside City.
- (F) Capital surcharge. In the event a contract customer delivers sewage for treatment to the city for three consecutive billing periods (approximately 90 consecutive days) which is in excess of the base volume limit guaranteed in the contract, then the customer will be subject to a capital surcharge, computed at the capital rate per 100 cubic feet in effect for outside the city customers set out elsewhere herein. The capital rate per 100 cubic feet shall be multiplied by the excess percentage of volume calculated by dividing the daily average for three billing periods by the contracted volume limit (in gallons per day).
- (G) Volumetric Exceedance Fee. The additional fee for exceedances to the contractual volume limits to be collected from contract customer users discharging sewage to the water pollution control utility. This fee (also defined and specified in contracts under different terminology, such as the "Treatment Plant Capital Surcharge") shall be collected as specified in each contract and calculated as defined by the contract. Such fees shall contribute to the payment of costs associated with operation, installation, adjustment or other improvements to the water pollution control utility intended to serve the contract customer when it discharges flows exceeding the capacity allocated per the contract.
- (H) Peak Flow Exceedance Fee. The additional fee for exceedances to the contractual peak flow limits to be collected from contract customer users discharging sewage to the water pollution control utility. This fee (also defined and specified in contracts under different terminology, such as "Peak Penalty Rates") shall be collected as specified in each contract and calculated as defined by the contract. Such fees shall contribute to the payment of costs

associated with operation, installation, adjustment or other improvements to the water pollution control utility intended to serve the contract customer when it discharges flows exceeding the capacity allocated per the contract.

(I) Other provisions. In the event sewage received pursuant to any contract entered into under this section exceeds any of the limitations imposed by this chapter, City Utilities shall have the right to impose all limitations, charges and penalties applicable to any non-contract customer user. Each contract entered into by City Utilities pursuant to the foregoing rate classification shall provide that the contract customer shall agree to enact and maintain a sewer use ordinance and user charge system acceptable to City Utilities and in conformance with City Utilities' obligations under Sec. 204 (b) (1), Public Law 92-500 as amended and supplemented, and guidelines and regulations promulgated thereunder by the U.S. Environmental Protection Agency and 40 CFR 35-905-8, 35-928-1 and 35-928-2 and 35-935-13.

Town of Grabill

	Unit of	Effective	Effective	Effective	Effective	Effective
	Measure	January 1, 2015	January 1, 2016	January 1, 2017	January 1, 2018	January 1, 2019
Treatment	Per ccf per month	\$ 1.7334	\$ 1.9036	\$ 2.0247	\$ 2.0441	\$ 2.1498
Conveyance	Per ccfper month	\$ 0.4574	\$ 0.4682	\$ 0.5039	\$ 0.4971	\$ 0.5527
Total	Per ccf per month	\$ 2.1908	\$ 2.3718	\$ 2.5286	\$ 2.5412	\$ 2.7025
Monthly Service Charge	Per month	\$2,746.24	\$2,863.58	\$2,996.58	\$3,364.63	\$3,501.90

Leo-Cedarville Regional Sewer District

	Unit of	Effective	Effective	Effective	Effective	Effective
	Measure	January 1, 2015	January 1, 2016	January 1, 2017	January 1, 2018	January 1, 2019
Treatment	Per ccf per month	\$ 1.7334	\$ 1.9036	\$ 2.0247	\$ 2.0441	\$ 2.1498
Conveyance	Per ccf per month	\$ 0.5514	\$ 0.5644	\$ 0.6074	\$ 0.5993	\$ 0.6664
Total	Per ccf per month	\$ 2.2848	\$ 2.4680	\$ 2.6321	\$ 2.6434	\$ 2.8162
Monthly Service Charge	Per month	\$7,315.24	\$7,627.43	\$7,981.58	\$8,962.63	\$9,328.90

Maysville Regional Sewer District

	Unit of	Effective	Effective	Effective	Effective	Effective
	Measure	January 1, 2015	January 1, 2016	January 1, 2017	January 1, 2018	January 1, 2019
Treatment	Per ccf per month	\$ 1.7334	\$ 1.9036	\$ 2.0247	\$ 2.0441	\$ 2.1498
Conveyance	Per ccf per month	\$ 0.3273	\$ 0.3350	\$ 0.3605	\$ 0.3557	\$ 0.3955
Total	Per ccf per month	\$ 2.0607	\$ 2.2386	\$ 2.3852	\$ 2.3998	\$ 2.5453
Monthly Service Charge	Per month	\$1,832.24	\$1,910.43	\$1,999.58	\$2,244.63	\$2,336.90

City of New Haven

	Unit of	Effective	Effective	Effective	Effective	Effective
	Measure	January 1, 2015	January 1, 2016	January 1, 2017	January 1, 2018	January 1, 2019
Treatment	Per ccf per month	\$ 1.7334	\$ 1.9036	\$ 2.0247	\$ 2.0441	\$ 2.1498
Conveyance	Per ccf per month	\$ 0.0852	\$ 0.0872	\$ 0.0939	\$0.0926	\$ 0.1030
Total	Per ccf per month	\$ 1.8186	\$ 1.9908	\$ 2.1186	\$ 2.1367	\$ 2.2528
Monthly Service Charge	Per month	\$6,058.24	\$6,317.43	\$6,610.58	\$7,422.63	\$7,726.90

## General Motors

	Unit of	Effective	Effective	Effective	Effective	Effective
	Measure	January 1, 2015	January 1, 2016	January 1, 2017	January 1, 2018	January 1, 2019
Treatment	Per ccf per month	\$ 1.7334	\$ 1.9036	\$ 2.0247	\$ 2.0441	\$ 2.1498
Conveyance	Per ccf per month	\$ 0.3521	\$ 0.3604	\$ 0.3879	\$ 0.3827	\$ 0.4255
Total	Per ccf per month	\$ 2.0855	\$ 2.2640	\$ 2.4126	\$ 2.4268	\$ 2.5753
Monthly Service Charge	Per month	\$9,485.24	\$9,889.43	\$10,349.58	\$11,621.63	\$12,096.90

# **Institutional Power Plant**

	Unit of	Effective	Effective	Effective	Effective	Effective
	Measure	January	January 1,	January 1,	January 1,	January 1,
		1, 2015	2016	2017	2018	2019
Treatment	Per ccf per	\$ 3.2478	\$ 3.5803	\$ 3.8241	\$ 3.8496	\$ 4.0687

Canvioriance	month	¢ 2 2779	¢ 2 4146	\$ 2.6480	\$ 2.9535	\$ 3.2613
Conveyance	Per ccf per month	\$ 2.2778	\$ 2.4146	\$ 2.0480	φ 2.9555	\$ 3.2013
Total	Per ccf per month	\$ 5.5256	\$ 5.9949	\$ 6.4721	\$ 6.8031	\$ 7.3300
Monthly Service Charge	Based on meter size per month as shown in 51.069(C)(2					

Allen County Regional Water and Sewer District

	Unit of	Effective	Effective	Effective	Effective	Effective
	Measure	January 1, 2015	January 1, 2016	January 1, 2017	January 1, 2018	January 1, 2019
Treatment	Per ccf per month	\$ 1.7334	\$ 1.9036	\$ 2.0247	\$ 2.0441	\$ 2.1498
Conveyance	Per ccf per month	\$ 0.9866	\$ 1.0462	\$ 1.1259	\$ 1.0792	\$ 1.1925
Total	Per ccf per month	\$ 2.7200	\$ 2.9498	\$ 3.1506	\$ 3.1233	\$ 3,3423
Monthly Service Charge	Per month	\$5,430.24	\$5,864.43	\$6,137.58	\$6,695.63	\$6,924.90

51.078 d

delete

51.079

delete

SECTION 2. The rates moved to Sections 51.074 and Section 51.076 have been approved and established by Council in Ordinance No.\_\_\_\_\_\_\_. The intent of this Ordinance is not to establish a new fee or adjust the fees appearing in that section and only to move those Sections to be consistent with the rest of this Ordinance.

**SECTION 3.** The rates moved to Section 51.075 have been approved and established by Council in Amended Ordinance No. G-25-13. The intent of this Ordinance is not to establish a new fee or adjust the fees appearing in that section and only to move those Sections to be consistent with the rest of this Ordinance.

**SECTION 4.** The following Section 41.07 shall be amended to delete specific rates and fees from Section 41.07, which also appear in Chapters 51, 52 and 53, for the purposes of clarity.

The fees in Chapter 51 shall be amended in accordance with the rates and fees which are approved by this Ordinance. The fees in Chapters 52 and 53 not being adjusted by this Ordinance and shall remain in effect. Section 41.07 shall be amended as follows:

# 41.07 COMPREHENSIVE FEE, FINE AND PENALTY SCHEDULE.

Delete (strikethrough) and Replace (bold) as follows:

51	SEWERS			
	<del>053</del>	Private sewage disposal	New: \$75; Repair: \$50; Revision:	Fee
		construction permit.	\$20/modification	
	054	installers registration	\$40 - annually	Fee
	059	General penalty for this chapter	\$500	Fine
	<del>069(A)</del>	Sewage In-City Residential	Treatment: \$1.9438;	Fee
		User Charges per 100 cubic feet	Conveyance and collection: \$2.0524; Total: \$3.9962	
	<del>069(A)</del>	Sewage billing charge - In-City	\$5.68	Fee
	<del>069(B)</del>	Sewage - Outside City	Treatment: \$2.4298; Conveyance	Fee
	, ,	Residential User Charges per 100 cubic feet	•	
	<del>069(B)</del>	Sewage billing charge - Outside- City	<del>\$7.10</del>	Fee
	<del>069(D)</del>	Single-family Dwelling flat Rate charges: In-City	\$54.64	Fee
	<del>069(D)</del>	Single-family Dwelling flat Rate charges: Outside City	<del>\$57.05</del>	Fee
	<del>069(D)</del>	Multifamily Dwelling flat rate charges	Estimated by City based upon number of units.	Fee
	<del>070</del>	Sewage Industrial User Charges	see \$069(A)	Fee
	<del>071</del>	Sewage - Commercial User Charges	see §069(A)	Fee
		Food Service Establishment Surcharge ***	\$0.924 <b>8</b>	
	<del>072</del>	Sewage Institutional User Charges	see §069(A)	Fee
	073	Sewage - Governmental User Charges	see-§069(A)	Fee
		Sewage - Wholesale Contract Customer Charges	see §069(A) Treatment	Fee
	<del>075</del>	Sewage - Bulk Waste Charges	Industrial Waste Charge \$91.34 Domestic Waste Charge \$54.77	Fee
	<del>076</del>	Sewage - Strength of Waste surcharge per 100 cubic feet	<u> </u>	Fee
		- ·	<del>\$0.00060326728</del>	
			<del>\$0.00076966345</del>	
		Domand	\$0. <del>00908328575</del>	

	- Phosphorus	\$0.00233579108	
	——Amonia		
<del>077</del>	Sewage - Capital Improvement		Fee
	surcharge monthly		
	<ul> <li>Neuhause Extension</li> </ul>	<del>\$20.00</del>	
	— Tiernan Shed B	<del>\$22.50</del>	
	- Rothman Road	<del>\$22.50</del>	
	- Dear Track	<del>\$47.95</del>	
	- Southtown	<del>\$ 4.00</del>	
	- Upper Ely	<del>\$20.00</del>	
	***	<i>'</i>	
<del>07</del> 8	Sewage - Continuing surveilance	Type-1 - \$137.48 per month	Fee
	sampling	Type 2 - \$151.48 per month	
<del>999</del>	General penalty for this chapter	<del>\$2500</del>	<del>Fine</del>

# Please See Chapter 51 for Sewer Rates and Fees.

52	WAYPER AN	D WATERCOURSES		
	15	Water Rates - Inside City		Fee
	10	(100 cu.ft.)		× 00
		- First 2,500 cu.ft.	\$1 <del>.49</del>	
		- Next 9,500 cu.ft.	\$ <del>1.33</del>	
		- Over 12,000 cu.ft.	\$1.24	
	٠	- Over 12,000 cu.it.	<b>41.2</b> 1	
		Water Rates Outside City		
		(100-cu.ft.)		
		- First 2,500 cu.ft.	<del>\$1.71</del>	
		- Next 9,500 cu.ft.	<del>\$1.66</del>	
		— Over 12,000 cu.ft.	<del>\$1.55</del>	
	16	Private Fire protection service	Per annum: For each fire hydrant	Fee
		P	<del>\$373.73;</del>	
			2" connection \$41.11;	
			3" connection \$93.44;	
			4" connection \$164.44;	
			6" connection \$373.73;	
			8" connection \$665.23;	
			10" connection \$1,038.95;	
			12" connection \$1,494.90;	
			16" connection \$2,657.19	
	<del>17</del>	Municipal-service	\$373.73 per annum per fire	Fee
			hydrant	

Please see Chapter 52 for Water Rates and Fees.

56 Stormwater Rate First 199 ERUs \$3.65 per ERU Fee per month; Next 300 ERUs \$3.29 per ERU per month  ERUs \$2.92 per ERU per month	
60(B)(3)(a) Stormwater Discount and credit \$25 for residential users; \$100 Fee for all others	
71 General penalty for this chapter \$2500 Fine	
Please see Chapter 53 for Stormwater Rates and Fees.	
SECTION 5. That this Ordinance shall be in full force and effect from and after its	
passage and any and all necessary approval by the Mayor.	
Council Member	
APPROVED AS TO FORM AND LEGALITY	
Carol Helton, City Attorney	

# Interoffice Memo

Date:

July 2, 2014

To:

Common Council Members

From:

Kumar Menon, Director, City Utilities

RE:

Ordinance Amending Chapter 51 (Sewers) - Rate Adjustments

Herewith you will find an ordinance implementing adjustments to rates and charges for the Fort Wayne Water Pollution Control (WPC) Utility for the upcoming five years. City Utilities must set rates and charges at a level that will adequately fund the WPC Utility and allow us to maintain it in a sound physical and financial condition.

The proposed rates are based on a just-completed Sewer Cost of Service Study that fairly allocates sewer utility costs across various types of customers based on the cost incurred by the utility in serving each customer type.

The proposed adjustments to rates are necessary to fund the continuation of Fort Wayne's compliance with the unfunded Federal mandate or Consent Decree – the agreement we negotiated with the federal government for how we will reduce the amount of combined sewage going to our rivers each year and how we will operate and maintain our sewer system to protect neighborhoods by maximizing our ability to collect, convey and treat sewage. The last five-year rate plan that you approved in 2008 allowed City Utilities to implement the first phase of our Consent Decree work in compliance with all of our agreed milestones and deadlines. In addition, having a predictable and stable rate plan allowed our customers to plan for upcoming increases. Your approval of our last five-year plan also provided comfort to financial markets and allowed us to improve City Utilities' bond rating.

Following review and approval of this ordinance, the first phase of the rate plan will become effective on January 1, 2015.

CC: BOW

Len Poehler Kumar Menon Diane Brown

# Accounting Report on Rate Study

City of Fort Wayne, Indiana

Municipal Sewage Works

June 16, 2014

Umbaugh Certified Public Accountants Indianapolis, Indiana

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#### ACCOUNTANTS' RATE STUDY AND COMPILATION REPORT

June 16, 2014

Mr. Kumar Menon Director of City Utilities City of Fort Wayne 200 East Berry Street Fort Wayne, IN 46802

Re: Fort Wayne (Indiana) Municipal Sewage Works - Cost-of-Service Study

In connection with the proposed adjustment in the Sewage Works' schedule of sewer rates and charges, we have, at your request, compiled this special purpose rate study report.

This special purpose rate study report has been prepared for the purpose of requesting approval of a new schedule of sewer rates and charges and should not be used for any other purpose.

Further, the pro forma financial information in this report which has not been compiled, reviewed or audited by us, is based upon unaudited financial information for the twelve months ended April 30, 2013, which was compiled by us and assumptions provided by management and their consulting engineers or obtained from other sources. This pro forma financial information is prepared for the purpose of showing the estimated financial effects on the utility's revenue and revenue requirements of adjustments in rates and charges for service and other changes that may be reasonably fixed, known or measured. The actual results achieved may vary from the pro forma information and the variations may be material. We have no responsibility to update this report for events and circumstances occurring after the date of this report.

We have compiled the accompanying comparative statement of net position of the Sewage Works as of December 31, 2010, 2011, and 2012 and the twelve months ended April 30, 2013, the related statements of revenues, expenses and changes in net position, and cash flows for the periods then ended and supplementary data. We have not audited or reviewed the accompanying historical financial statements and supplementary data, and accordingly, do not express an opinion or provide any assurance about whether the financial statements are in accordance with accounting principles generally accepted in the United States of America.

(Continued on next page)

Mr. Kumar Menon

Re: Fort Wayne (Indiana) Municipal Sewage Works - Cost-of-Service Study

June 16, 2014

Page 2

Management is responsible for the preparation and fair presentation of the financial statements in accordance with accounting principles generally accepted in the United States of America and for designing, implementing, and maintaining internal control relevant to the preparation and fair presentation of the financial statements.

Our responsibility is to conduct the compilation in accordance with Statements on Standards for Accounting and Review Services issued by the American Institute of Certified Public Accountants. The objective of a compilation is to assist management in presenting financial information in the form of financial statements without undertaking to obtain or provide any assurance that there are no material modifications that should be made to the financial statements.

Management has elected to omit substantially all of the disclosures required by generally accepted accounting principles. If the omitted disclosures were included in the financial statements, they might influence the user's conclusions about the Sewage Works financial position, results of operations and its cash flows. Accordingly, these financial statements are not designed for those who are not informed about such matters.

Umbangh

PRO FORMA EXPENSES, NORMALIZED REVENUES

AND ALLOCATION OF EXPENSES

#### SUMMARY OF SIGNIFICANT ASSUMPTIONS AND NOTES

#### Litigation

The City of Fort Wayne is presently involved in litigation with a customer with which it previously had a contract to provide sanitary sewage treatment service. A customer that does not meet the characteristics of a contract customer identified on page 3 will be considered a retail customer, not a contract customer, and will be charged accordingly. Assumptions that may be construed as contrary to that position have been made solely for the purposes for which this Accounting Report on Rate Study was prepared as a means of determining the least amount of revenue that must be generated in order to pay the costs identified in the Report. Those same assumptions shall not be considered as representations, admissions, or statements against interest by which the City of Fort Wayne may be estopped or for which the City of Fort Wayne may be held liable.

#### Three Cost of Service Rate Categories

- > Retail Inside City
- > Retail Outside City
- > Contract Customer (for purposes of this report included in the Contract Customer Cost of Service Rate Category are Grabill, Huntertown, Leo Cedarville, Maysville, New Haven, General Motors, and Allen Co. Regional Water and Sewer District).

#### Contract Customer Characteristics

- > Signed long term (20 year+) contract committing to send sewer flows to Fort Wayne.
- Provide growth projections, estimated average day flows, agree to peak flow limits and seek capacity reservations for those flows which allows Fort Wayne to long term plan for accommodating those capacities
- > Commit to controlling peak flows and managing capacities or pay penalties for exceedences
- > Customers for whom Fort Wayne provides less than all of administrative, customer collection, conveyance and treatment services needed by the customers or
- > Customers that receive all the needed administrative, customer collection, conveyance and treatment services from Fort Wayne, but by the terms of the contract commit themselves to restrictions not applicable to retail customers

#### Rate Methodology

- > Sewage Works costs are separated into three categories
  - 1. Treatment costs (includes Operations & Maintenance (O&M), Payment in Lieu of Taxes (PILOT), Debt Service (DS) and capital additions / components)
    - Treatment O&M costs are allocated to flow, extra-strength (Total Suspended Solids (TSS), Biochemical Oxygen Demand/Carbonaceous Biochemical Oxygen Demand (BOD/CBOD), Phosphorous and Ammonia) and inflow and infiltration
      - Inflow and infiltration is allocated to retail customer classes based on adjusted test year flows
      - Inflow and infiltration is allocated to Contract Customers based on system allowances for leakage per design standards and estimated wet
        weather inflows along interceptors
        - > Current breakdown of I/I for Flow is:
          - Retail Inside City 85.4%
          - Retail Outside City 11.3%
          - Contract Customers 3.3%
        - > Current breakdown of I/I for TSS, BOD, Phosphorus, and Ammonia is:
          - Retail Inside City 83.4%
          - Retail Outside City 11.0%
          - Contract Customers 5.6%
    - Treatment PILOT, DS and capital costs are allocated to flow

(Continued on next page)

#### SUMMARY OF SIGNIFICANT ASSUMPTIONS AND NOTES

- 2. Conveyance costs (includes O&M, PILOT, DS and capital components)
  - Conveyance O&M, PILOT and capital costs are allocated to customer classes based on their capacity miles in proportion to the total conveyance
    system peak capacity miles
    - Contract Customer O&M, PILOT and capital costs are directly allocated to customer based on capacity miles
      - > Capacity calculation is based on contract specified peak flow capacity (in gpm) and distance from Contract Customer connection point to the wastewater treatment plant
    - Conveyance O&M, PILOT and capital costs are recovered via a flow based conveyance rate
  - Conveyance DS costs are categorized as Common to Ali or Retail Only
    - Common to All Conveyance DS costs consist of all debt issued prior to 2014 for conveyance system improvements and debt issued after 2015
      that is related to conveyance system projects that will benefit Contract Customers
    - Retail Only Conveyance DS costs are the debt service issued for conveyance system improvements not allocated to Common to All
    - Conveyance DS costs are recovered via:
      - > Retail 50% via flow rate / 50% via base charge
      - > Contract Customer 100% via a fixed monthly base charge that would only change due to changes in a customer's capacity requirements or debt service requirements
- 3. Billing costs (includes O&M, PILOT, DS and capital components)
  - . Billing costs are recovered via a monthly billing charge calculated in relation to the cost of preparing, issuing, collecting and accounting for a sewer

#### \* Rate Adjustments

- > 2013/2014 cost of service study includes rate schedule for years 2015, 2016, 2017, 2018 and 2019 with rates to be implemented January 1 of each year
- > Beyond 2019 City is committed to extension of 2013/2014 cost of service study methodology framework updated for the following six items (primary features):
  - 1. Treatment costs will continue to be allocated to function and customer class using same methodology set in Rate Methodology (1) or the 2013/2014 cost of service study
  - 2. Inflow and infiltration allocated to Contract Customers will continue to be based on system allowances for leakage per design standards and estimated wet weather inflows along interceptors and using the same methodology as described in Rate Methodology (1).
  - 3. Conveyance DS costs will continue to be split between Common to All and Retail Only
  - 4. Contract Customers will pay their proportionate share (based on capacity) of Common to All Conveyance DS costs in the manner described above in Rate Methodology (2).
  - 5. Contract Customers will not share in Retail Only conveyance DS costs
  - 6. Billing costs will continue to be recovered using a monthly charge and as described in Rate Methodology (3).

# PRO FORMA ANNUAL OPERATING EXPENSES Adjustments Per the 2013 Budgets Operating and Capital

	12 Months		
	Ended		Pro
	4/30/2013	Adjustment	Forma
	(Pages 55 - 56)	(1)	(1)
Collection System:			
Salaries and wages	\$2,353,249	\$86,674	\$2,439,923
Overtime	97,190	22,522	119,712
Employee benefits	590,625	38,683	629,308
Health insurance	649,000	(11,800)	637,200
Unemployment	2,630	-	2,630
Worker's compensation	29,711	(2,442)	27,269
Office supplies	29,369	27,956	57,325
Materials and supplies	259,550	51,025	310,575
Fuel	159,821	(1,821)	158,000
Chemicals	75,080	1,220	76,300
Repairs and maintenance - materials	86,659	108,541	195,200
Outside services	17,915	535	18,450
Postage and freight	667	(17)	650
Telephone	8,645	11,410	20,055
Education and travel	14,214	11,186	25,400
Miscellaneous	7,151	7,774	14,925
Insurance	64,361	(19,597)	44,764
Utilities	29,320	12,030	41,350
Contractual services	541,072	33,596	574,668
Rentals	20,085	6,465	26,550
Subscriptions, dues and licenses	822	10,828	11,650
Total Collection System	5,037,136	394,768	5,431,904
Sewage Treatment:			
Salaries and wages	2,195,761	72,700	2,268,461
Overtime	386,696	(3,536)	383,160
Employee benefits	629,997	21,908	651,905
Health insurance	601,800	(5,900)	595,900
Unemployment	2,734	*	2,734
Worker's compensation	26,114	(2,632)	23,482
Office supplies	43,986	19,214	63,200
Materials and supplies	186,751	97,299	284,050
Fuel	277,640	51,744	329,384
Laboratory supplies	56,119	13,581	69,700
Chemicals	768,725	(1,325)	767,400
Repairs and maintenance - materials	209,359	59,141	268,500
Outside services	13,843	27,707	41,550
Postage and freight	4,941	1,259	6,200
Telephone	40,249	2,851	43,100
Education and travel	3,186	23,714	26,900
Miscellaneous	345	1,655	2,000
Insurance	174,938	(28,256)	146,682
Utilities	1,430,633	101,267	1,531,900
Subtotal to carry forward	7,053,817	452,391	7,506,208

<sup>(1)</sup> Adjustments and pro forma numbers are per the "City of Fort Wayne Utilities 2013 Budgets Operating and Capital" as approved December 20, 2012.

(Continued on next page)

(Cont'd)

# PRO FORMA ANNUAL OPERATING EXPENSES Adjustments Per the 2013 Budgets Operating and Capital

	12 Months		
	Ended		Pro
	4/30/2013	Adjustment	Forma
	(Pages 55 - 56)	(1)	(1)
Subtotal carried forward	\$7,053,817	\$452,391	\$7,506,208
Sewage Treatment (cont'd):			
Contractual services	3,132,795	(1,756,060)	1,376,735
Rentals	9,895	6,405	16,300
Subscriptions, dues and licenses	24,668	532	25,200
Laboratory fees	43,751	14,049	57,800
Repairs and maintenance		1,500	1,500
Total Sewage Treatment	10,264,926_	(1,281,183)	8,983,743
Customer Accounts:			
Records and collections expense	1,276,831	54,916	1,331,747
Administrative and General;			
Salaries and wages	3,675,162	295,818	3,970,980
Overtime	-	2,338	2,338
Employee benefits	96,398	34,255	130,653
Health insurance	82,600	23,600	106,200
Unemployment	596	-	596
Worker's compensation	4,239	306	4,545
Education and travel	-	12,600	12,600
Subscriptions, dues and licenses	1,757	(1,757)	_
Materials and supplies	142,177	(11,621)	130,556
Outside services	270,980	51,020	322,000
Postage and freight	222	(222)	-
Miscellaneous	18,208	66,792	85,000
Insurance	14,153	263	14,416
Contractual services	68,689	(25,489)	43,200
Rentals	15,394	(9,118)	6,276
Paying agent fees	7,950	(3,950)	4,000
Services and charges - administrative allocation	2,146,348	(42,380)	2,103,968
Extraordinary PERF adjustment	350,582	(350,582)	-
Bad debt expense	167,564	17,436	185,000
Total Administrative and General	7,063,019	59,309	7,122,328
Total Operating Expenses	\$23,641,912	(\$772,190)	\$22,869,722
Estimated Inflation Increase (2014) (2)		<del>.</del>	2.463%
Subtotal			23,432,890
Estimated Inflation Increase (2015) (2)		_	3.147%
Pro Forma Operating Expenses for 2015		=	\$24,170,215

<sup>(1)</sup> Adjustments and pro forma numbers are per the "City of Fort Wayne Utilities 2013 Budgets Operating and Capital" as approved December 20, 2012.

<sup>(2)</sup> Per utility management estimates.

#### CALCULATION OF NORMALIZED ANNUAL OPERATING REVENUES

See Explanation of Adjustments, pages 7 - 10.

	12 Months		
	Ended		Normalized
	4/30/2013	Adjustments	Revenues
Operating Revenues:	(Page 54)		
Metered Revenue:			
Residential	\$28,970,351	\$3,377,752 (1)	\$32,348,103 *
Commercial	11,221,507	1,401,605 (1)	12,623,112 *
Industrial	3,741,060	(1,076,769) (1)(x)	2,664,291 *
Institutional	2,665,481	98,469 (1)	2,763,950 *
Sales to public authorities	616,867	47,476 (1)	664,343 *
Contract customers	2,590,209	1,187,023 (1)(x)	3,777,232 *
Excessive strength surcharges	892,298	25,328 (2)	917,626 *
Bulk haulers	230,803	(1,807) (3)	228,996 *
Forfeited discounts	658,805		658,805
Surveillance - sales for resale	26,426	1 (4)	26,427 *
Capital Surcharges	356,100	540 (5)	356,640
Miscellaneous revenue	37,246	(37,246) (6)	-
Burden transfers	189,508	89,269 (7)	278,777
Totals	\$52,196,661	\$5,111,641	\$57,308,302

<sup>\*</sup> Adustable rates (see page 23).

# EXPLANATION OF ADJUSTMENTS Adjustment (1)

#### Metered Revenue

To normalize metered revenue based on test year billing determinates and current user fees.

	Less:		
	Normalized \$	Test Year	Adjustment (1)
	(See Below)		
Metered Revenues:			
Residential	\$32,348,103	(\$28,970,351)	\$3,377,752
Commercial	12,623,112	(11,221,507)	1,401,605
Industrial	2,664,291	(3,741,060)	(1,076,769)
Institutional	2,763,950	(2,665,481)	98,469
Sales to public authorities	664,343	(616,867)	47,476
Contract customers	3,777,232	(2,590,209)	1,187,023
	Normalized Test Year	Rate	Normalized
	Flow in ccf	per ccf*	Flow \$
Metered Flow Charge:	(Pages 11 - 13)		•
Inside City Retail:			
Residential	4,750,337	\$4,3559	\$20,691,992
Commercial	2,534,603	4.3559	11,040,477
Industrial	463,989	4.3559	2,021,090
Institutional	499,502	4.3559	2,175,781
Sales to public authorities	136,738	4.3559	595,617
Outside City Retail:			
Residential	557,572	5.4449	3,035,925
Commercial	148,819	5,4449	810,305
Industrial	82,022	5.4449	446,602
Institutional	99,066	5,4449	539,404
Sales to public authorities	9,313	5.4449	50,708
Contract customers	1,600,150	**	3,775,817

<sup>\*</sup> Based on rates effective July 1, 2013 per Ordinance No. G-12-09.

(Continued on next page)

<sup>(</sup>x) Majority of adjustment is due to movement of GM from industrial class to contract customers.

<sup>\*\*</sup> Based on rates effective July 1, 2013 as applied to individual sales for resale customers.

Note, this assumes Huntertown at 7/1/12 contract rate + 9% increase and GM becomes a contract customer.

(Cont'd)

# CALCULATION OF NORMALIZED ANNUAL OPERATING REVENUES EXPLANATION OF ADJUSTMENTS (CONT'D)

#### Adjustment (1) (Cont'd)

	Adjustment (1) (Cont'd)		
		Monthly	Normalized
	Annual Bills	Service Charge*	Service Charge \$
Metered Customer Service Charge:	(Pages 11 - 13)		
Inside City Retail:	820 722	\$6.10	<b>\$5.000.060</b>
Residential	820,722	\$6.19	\$5,080,269
Commercial	68,252	6.19	422,480
Industrial	3,310	6.19	20,489
Institutional	6,556	6.19	40,582
Sales to public authorities	2,490	6.19	15,413
Outside City Retail:			
Residential	88,284	7.73	682,435
Commercial	4,468	7.73	34,538
Industrial	390	. 7.73	3,015
Institutional	576 <sup>-</sup>	7.73	4,452
Sales to public authorities	86	7.73	665
Contract customers (included in misc, rev. in TY)	183	7.73	1,415
	Annual Unmetered	Monthly	Normalized
	Customers	Flat Rate Charge*	Flat Rate \$
Flat Rate Charge:	(Pages 11 - 13)		
Inside City Retail:	, ,		
Residential	25,067	\$49.74	\$1,246,833
Commercial	324	49.74	16,116
Industrial	12	49.74	597
Sales to public authorities	24	49.74	1,194
Outside City Retail:	24	72.14	1,174
Residential	25,903	62.18	1,610,649
Commercial	436	62.18	27,110
			,
Institutional	60	62.18	3,731
Sales to public authorities	12	62,18	746
	Test Year	Rate	
	Flow in ccf	per ccf*	Normalized \$
	(Page 14)		
Restaurant Surcharge:			•
Commercial	263,488	\$0.9248	\$243,674
	Test Year Months	Charge per Month*	Normalized \$
Surveillance:	(Page 14)	Charge per Wienen	T (O'MAINZOU O
Commercial	(1480 11)		
	48	\$137.48	\$6,599
Type I	144	•	•
Туре П	144	151.48	21,813
Industrial	<b>#</b> 0	107.40	0.000
Type I	72	137.48	9,899
Type II	295	151.48	44,687
	Mo. Normalized Charge	12 Months	Normalized \$
Specialty Surcharge (Valbruna and Dana):			
Industrial	\$9,826 **	12	\$117,912
madati lai	99,020	124	Ψ117,712

<sup>\*</sup> Based on rates effective July 1, 2013 per Ordinance No. G-12-09.

(Continued on next page)

<sup>\*\*</sup> Based on Valbruna usage of 2,213 ccf + service charge per month and Dana usage of 40 ccf + service charge per month.

(Cont'd)

# CALCULATION OF NORMALIZED ANNUAL OPERATING REVENUES EXPLANATION OF ADJUSTMENTS (CONT'D)

#### Adjustment (2)

**Excessive Strength Surcharges** 

To normalize excessive strength surcharges based on test year loadings and current rates.

	Test Year Loadings in Lbs. (Page 14)		Rate per Pound*	Normalized \$
Excess Strength:	(Fage 14)			
Suspended solids (TSS)	2,039,227		\$0.0968	\$197,397
Biochemical oxygen demand (BOD)	5,270,289		0.1235	650,881
Phosphorus	19,058		1.4575	27,777
Ammonia (Nitrates)	110,916		0,3748	41,571
Normalized Revenue				917,626
Less: Test Year				(892,298)
Adjustment (2)				\$25,328
	Adjustment (3)			
Bulk Haulers  To normalize bulk hauler revenue based on test year gallons.				
	Test Year Flow			
-	in 1,000 Gallons (Page 14)		Rate per 1,000 Gallons*	Normalized \$
Domestic	2,420.49		\$54.77	\$132,570
Industrial	1,055.68		91.34	96,426
Normalized Revenue				228,996
Less: Test Year				(230,803)
Adjustment (3)				(\$1,807)
er.	Adjustment (4)			
Surveillance - Sales for Resale To normalize surveillance - sales for resale customer revenue	based on current custor	ners ar	nd billed months.	
-	Test Year Months (Page 14)		Rate Per Month*	Normalized \$
Type I	60	(x)	\$137.48	\$8,249
Туре П		(xx)	151.48	18,178
Normalized Revenue				26,427
Less: Test Year				(26,426)
Adjustment (4)				\$1

- \* Based on rates effective July 1, 2013 per Ordinance No. G-12-09.
- (x) Based on five customers.
- (xx) Based on ten customers.

(Continued on next page)

(Cont'd)

# CALCULATION OF NORMALIZED ANNUAL OPERATING REVENUES EXPLANATION OF ADJUSTMENTS (CONT'D)

#### Adjustment (5)

#### Capital Surcharges

To adjust test capital surcharges based on April 2013 customer count and current charges.

	April 2013 Customers	Rate Per Month*	Normalized \$
Neuhause Extension	673	\$20.00	\$13,460
Tiernan Shed B	363	22,50	8,168
Rothman Road	145	22.50	3,263
Deer Track	25	47.95	1,199
Southtown	12	4.00	48
Upper Ely		20,00	-
Zanesville	360	9.95	3,582
Subtotal			\$29,720
Times: 12 Months	•		12
Normalized			356,640
Less: Test year			(356,100)
Adjustment (5)			\$540

<sup>\*</sup> Based on rates effective July 1, 2013 per Ordinance No. G-12-09.

#### Adjustment (6)

#### Miscellaneous Revenue

To adjust test year miscellaneous revenue to zero, based on historical information. Note, on historical financial statements contract customers billing charges were recorded in miscellaneous revenue. Per Adjustment (1) these are accounted for.

Adjustment (6)	(\$37,246)

#### Adjustment (7)

#### Burden Transfers

To adjust test year burden transfers based on the 2013 budget.

Operating Expense Category:	2013 Budget	Less: Test Year	Adjustment (7)
Collection system	\$15,607	(\$42,813)	(\$27,206)
Sewage treatment	26,572	(6,879)	19,693
Administrative and general	236,598	(139,816)	96,782
Adjustment (7)	\$278,777	(\$189,508)	\$89,269

## SCHEDULE OF ANNUAL BILLS AND TREATED FLOW - SUMMARY

(See Pages 12 - 13 for Additional Detail)

User Class	Annual Bills	Normalized Test Year Flow*
		(in ccf)
Residential:		, ,
Metered	909,006	5,307,909
Unmetered	50,970	458,730
Subtotal	959,976	5,766,639
Commercial:		
Metered	72,720	2,683,422
Unmetered	760	6,840
Subtotal	73,480	2,690,262
Subtotal	73,400	2,070,202
Industrial (includes Industrial Pow	ver Plant of Allen Co.):	
Metered	3,700	546,011
Unmetered	12	108
Subtotal	3,712	546,119
To the stands	•	
Institutional:	7.122	598,568
Metered Unmetered	7,132	540
Subtotal	7,192	599,108
Subtotal	7,192	
Sales to Public Authorities:**		
Metered	2,576	146,051
Unmetered	36	324
Subtotal	2,612	146,375
DEMAN SIDANA		
RETAIL SUMMARY: Metered	005 124	0.201.061
Unmetered	995,134 51,838	9,281,961 466,542
Total	1,046,972	9,748,503
1 Otai	1,040,772	7,740,303
Contract Customers (includes GM	and Huntertown):	
Metered	183	1,600,150
Unmetered	-	· · ·
Total	183	1,600,150
momat are a time		<del></del>
TOTAL SUMMARY:	00-04-	10.000.111
Metered	995,317	10,882,111
Unmetered	51,838	466,542
Total	1,047,155	11,348,653

<sup>\*</sup> Based on TY billed flow adjusted for drought conditions and growth. Reduced flow by 216,578 ccf for retail based on average of 2010 and 2011 flow. Increased flow 120,943 ccf for contract customers based on five year historical flow information. Increase due to growth = 73,147 ccf.

<sup>\*\*</sup> Includes Governmental and Interdepartmental.

#### SCHEDULE OF ANNUAL BILLS AND TREATED FLOW - INSIDE CITY

<u>User Class</u>	Annual Bills	Normalized Test Year Flow* (in ccf)		Average Per Bill (in ccf)
Residential:		(III CCI)		(III CCI)
Metered (2)	820,722	4,750,337		5.80
Unmetered	25,067	225,603	(1)	9.00
Subtotal	845,789	4,975,940	. ` ′	5.90
Commercial:	<u> </u>			
Metered	68,252	2,534,603		37.10
Unmetered	324	2,916	(1)	9.00
Subtotal	68,576	2,537,519		37.00
Industrial:				
Metered	3,310	463,989		140.20
Unmetered	12	108	(1)	9.00
Subtotal	3,322	464,097	<u> </u>	139.70
Institutional:			<u> </u>	
Metered	6,556	499,502		76.20
Unmetered	· -	-	(1)	N/A
Subtotal	6,556	499,502		76.20
Sales to Public Authorities:**			_	****
Metered	2,490	136,738		54.90
Unmetered	24	216	(1)	9.00
Subtotal	2,514	136,954	-	54.50
TOTAL SUMMARY:	•			
Metered	901,330	8,385,169		9.30
Unmetered	25,427	228,843		9.00
Total	926,757	8,614,012		9.30

<sup>(1)</sup> Assumes 9 ccf multiplied by unmetered annual bills.

(2) Adjusted for growth estimates provided by Utility (estimated monthly customer increase):

Residential - Metered

(57)

(Migration to outside city)

Assumes 6.7 ccf flow per metered growth customer.

<sup>\*</sup> Based on TY billed flow adjusted for drought conditions. Reduced flow by 193,154 ccf based on average of 2010 and 2011 flow.

<sup>\*\*</sup> Includes Governmental and Interdepartmental.

#### SCHEDULE OF ANNUAL BILLS AND TREATED FLOW - OUTSIDE CITY

<u>User Class</u>	Annual Bills	Normalized Test Year Flow*		Average Per Bill
		(in ccf)		(in ccf)
Residential:				
Metered (2)	88,284	557,572		6.30
Unmetered (2)	25,903	233,127	(1) _	9.00
Subtotal	114,187	790,699		6.90
Commercial:				
Metered (2)	4,468	148,819		33.30
Unmetered	436	3,924	(1)	9.00
Subtotal	4,904	152,743		31.10
Industrial (includes Industrial Powe	er Plant of Allen Co.):			
Metered	390	82,022		210.30
Unmetered		-	(1)	
Subtotal	390	82,022		210.30
Institutional:			_	
Metered	576	99,066		172.00
Unmetered	60	540	(1)	9.00
Subtotal	636	99,606		156.60
Sales to Public Authorities:**			_	
Metered	86	9,313		108.30
Unmetered	12	108	(1)	9.00
Subtotal	98	9,421	_	96.10
RETAIL SUMMARY:				<u> </u>
Metered	93,804	896,792		9.60
Unmetered	26,411	237,699		9.00
Total	120,215	1,134,491	_	9.40
Contract Customers (includes GM a	nd Huntertown):		_	
Metered (3)	183	1,600,150		8,744.00
Unmetered	-	· ·	(1)	N/A
Total	183	1,600,150	` ′	8,744.00
TOTAL SUMMARY:	Arris		-	
Metered	93,987	2,496,942		26.60
Unmetered	26,411	237,699		9.00
Total	120,398	2,734,641		22.70
=			_	

- (1) Assumes 9 ccf multiplied by unmetered annual bills.
- (2) Adjusted for growth estimates provided by Utility (estimated monthly customer increase):

Residential - Metered 110

Residential - Unmetered 582

(452 due to new ACRIVSD Service Areas)

Commercial - Metered

75

Assumes 6.7 ccf flow per metered growth customer.

- (3) Adjusted for drought based on five year historical flow (total adjustment = increase 120,943 ccf).
- \* Based on TY billed flow adjusted for drought conditions. Reduced flow by 23,424 ccf based on average of 2010 and 2011 flow.
- \*\* Includes Governmental and Interdepartmental.

#### SCHEDULE OF LOADINGS AND OTHER MISC, CHARGE BILLING DETERMINATES

Excessive Strength:  Industrial: Suspended solids (TSS) Biochemical oxygen demand (BOD) Phosphorus Ammonia (Nitrates)  Contract Customers: Suspended solids (TSS)	Test Year Billed Loadings (in lbs.)  1,893,465 5,094,108 19,058 57,459		
Biochemical oxygen demand (BOD) Phosphorus Ammonia (Nitrates)	176,181 - 53,457		
Totals: Suspended solids (TSS) Biochemical oxygen demand (BOD) Phosphorus Ammonia (Nitrates)  Restaurant Surcharge:	2,039,227 5,270,289 19,058 110,916 Test Year Flow		
Commercial	(in ccf) 263,488		
Surveillance Charges:  Type I:  Commercial Industrial Contract Customers Type II:  Commercial Industrial Contract Customers	Annual Months Billed  48 72 60  144 295 120	Customers (Annual Months / 12) 4 6 5 12 24 10	(approx.)
Bulk Waste:	Test Year Flow (in 1,000 gallons)		
Domestic Industrial Total	2,420.49 1,055.68 3,476.17		

### SCHEDULE OF ANNUAL CAPITAL IMPROVEMENTS AND REPLACEMENTS Per the 2014 - 2020 Capital Budget per Utility Management

Improvement	Category	Funding Source	2014	2015	2016	2017	2018	2019	2020	Totals
Outstanding Bonds:										
CSOCM6 - CSSCIP for sub basins for future PI	CSO/LTCP	2011 A Bond	\$500,000							\$500,000
CSOCM8 - Satellite treatment - St. Joe River outfall	CSO/LTCP	2012 B Bond	300,000							300,000
Program management assistance	CSO/LTCP	2012 B Bond	250,000							250,000
Primary/Secondary and digester improvements - part 1	Plant	2012 B Bond	1,000,000	\$1,000,000						2,000,000
Swift relief - phase II	Collection System	2013 Bond	1,000,000							1,000,000
Northern area capacity improvements	Collection System	2013 Bond	650,000							650,000
Junk Ditch - 24" relief sewer	Collection System	2013 Bond	240,000							240,000
Junk Ditch - relief lift station	Collection System	2013 Bond	1,760,000							1,760,000
GS Interceptor relief	Collection System	2013 Bond	1,000,000	1.380,000						2,380,000
Permanent metering improvements - phase III	Collection System	2013 Bond	500,000							500,000
Sewer rehab allowance	Collection System	2013 Bond	3,000,000							3,000,000
CUBIS replacement	Collection System	2013 Bond	1,500,000							1,500,000
CSOCM2 - Effluent pump station	CSO/LTCP	2013 Bond	5,000,000	2,500,000				4		7,500,000
CSOCM6 - CSSCIP for sub basins for future PI	CSO/LTCP	2013 Bond	3,525,000							3,525,000
CSOCM6 - Ewing East/West - phase II	CSO/LTCP	2013 Bond	1,525,000							1,525,000
CSOCM11 - Wayne St. parallel interceptor	CSO/LTCP	2013 Bond	2,225,000							2,225,000
Primary/Secondary and digester improvements - part 2	Plant	2013 Bond	11,000,000	10,000,000						21,000,000
Proposed Bonds:		*								
St. Joe - Beckett relief sewer - phase II	Collection System	Future Bond		270,000	\$2,800,000	\$1,400,000				4,470,000
Northern area capacity improvements	Collection System	Future Bond		700,000	700,000					1,400,000
Martin/St. Joe pump station and force main	Collection System	Future Bond						\$700,000	\$800,000	1,500,000
Spy Run interceptor relief	Collection System	Future Bond		200,000	1,000,000					1,200,000
ND Washington relief	Collection System	Future Bond			140,000	2,150,000	\$1,100,000			3,390,000
Neuhaus area relief sewer	Collection System	Future Bond						500,000	1,600,000	2,100,000
SE area capacity	Collection System	Future Bond			140,000	700,000	700,000	*	.,,	1,540,000
Rothman capacity improvements	Collection System	Future Bond		1,000,000	·	,	, .			1,000,000
North Maumee - S relief sewer and pond 3 storage	Collection System	Future Bond		400,000	4,200,000	4,200,000				8,800,000
Sanitary sewer rehab allowance	Collection System	Future Bond		5,100,000	5,600,000	6,100,000	6,600,000	7,100,000	7,600,000	38,100,000
CSOCM5 - CSPS additional pumps and screens	CSO/LTCP	Future Bond						300,000	5,600,000	5,900,000
CSOCM6 - CSSCIP for sub basin for future PI	CSO/LTCP	Future Bond	3,000,000	4,700,000	3,500,000	3,500,000		******	-,,	14,700,000
CSOCM7 - Satellite storage basins - St, Joe River outfalls	CSO/LTCP	Future Bond	2,220,000	2,500,000	-12-00(000	<b>D D O O</b> , CC <b>O</b>				2,500,000
CSOCM9 - Satellite treatment for other outfalls	CSO/LTCP	Future Bond		700,000	4,800,000	1,500,000				7,000,000
CSOCM10 - Morton St. discharge to ponds	CSO/LTCP	Future Bond		100,000	275,000	700,000	7,300,000	2,300,000		10,575,000
CSOCM11 - Deep rock tunnel and collectors	CSO/LTCP	Future Bond		7,000,000	7,000,000	12,800,000	26,400,000	30,200,000	31,200,000	114,600,000
CSOCM11 - E. Wayne Pl/S, Maumee relief sewer	CSO/LTCP	Future Bond		700,000	2,100,000	1,400,000	20,100,000	JO.,.000	31,200,000	4,200,000
CSOCM12 - St, Mary's parallel interceptor	CSO/LTCP	Future Bond		700,000	700,000	700,000	400,000	300,000		2,800,000
CSOCM13 1 Late floatables control	CSO/LTCP	Future Bond		100,000	,	, , , , , , , , , , , , , , , , , , , ,	150,000	550,000	1,700,000	2,400,000
CSOCM14 - Satellite storage at outfall 64	CSO/LTCP	Future Bond				700,000	150,500	220,000	2,700,000	700,000
Digester improvements - #3 and #4 upgrades	Plant	Future Bond		700,000	5,600,000	1,450,000				7,750,000
Digester improvements - new boilers and exchanges	Plant	Future Bond		, 00,000	2,000,000	300,000	2,400,000	850,000		3,550,000
Digested sludge force main improvements	Plant	Future Bond				300,000	2,100,000	000,000	300,000	300,000
Methane use and emergency power - Phase II	Plant	Future Bond			,			190,000	3,100,000	3,290,000
Effluent DO improvements	Plant	Future Bond		670,000	2,100,000			170,000	3,100,000	2,770,000
Property expansion and access improvements	Plant	Future Bond		1,300,000	700,000	700,000				2,700,000
Septic Elimination Replacement Fund (SERF):	1 imit	rature Doub		1,200,000	100,000	100,000				4,100,000
Septic elimination allowance	SERF	Revenues	250,000	300,000	300,000	300,000	300,000	300,000	330,000	2,080,000
Sopilo eminiation anomatice	BLIG	ICO TOLINGS	2,0,000	200,000	000,000	200,000	200,000	300,000	200,000	2,000,000
Subtotals to carry forward			38,225,000	41,820,000	41,655,000	38,600,000	45,350,000	43,290,000	52,230,000	301,170,000

(Continued on next page)

### SCHEDULE OF ANNUAL CAPITAL IMPROVEMENTS AND REPLACEMENTS Per the 2014 - 2020 Capital Budget per Utility Management

Improvement	Category	Funding Source	2014	2015	2016	2017	2018	2019	2020	Totals
Subtotals carried forward			\$38,225,000	\$41,820,000	\$41,655,000	\$38,600,000	\$45,350,000	\$43,290,000	\$52,230,000	\$301,170,000
WPC Collection Systems:										
Capacity and stormwater extension allowance	Collection System	Revenues	200,000	180,000	180,000	180,000	180,000	180,000	200,000	1,300,000
Agua Source acquisition	Collection System	Revenues	25,000	200,000	*******	100,000	100,000	100,000	200,000	25,000
200 E. Berry green roof	Collection System	Revenues	60,000							60,000
Bio-retention/rain garden program	Collection System	Revenues	50,000	45,000	45,000	45,000	45,000	45.000	50,000	325,000
Miscellaneous projects	Collection System	Revenues	50,000	45,000	45,000	45,000	45,000	45,000	50,000	325,000
Oversizing allowance	Collection System	Revenues	100,000	110,000	110,000	110,000	110,000	110,000	125,000	775,000
Transportation project partnering	Collection System	Revenues	25,000	25,000	25,000	25,000	25,000	25,000	30,000	180,000
Adams center road	Collection System	Revenues		100,000		20,000	20,000	22,000	20,000	100,000
MH rehab	Collection System	Revenues	100,000	90,000	90,000	90,000	90,000	90,000	100,000	650,000
Hydraulic model improvements	Collection System	Revenues	250,000	65,000	65,000	65,000	65,000	65,000	75,000	650,000
I/I CIPP allowance	Collection System	Revenues	100,000	90,000	90,000	90,000	90,000	90,000	100,000	650,000
Remote monitoring improvements	Collection System	Revenues	50,000	\$0,000	50,000	, ,,,,,,,,	20,000	20,000	120,000	150,000
Rothman - Willowhurts/Sandalwood lateral rehab	Collection System	Revenues	150,000	******						150,000
Upper Ely in-line storage control improvements	Collection System	Revenues	25,000							25,000
US 30 sewer capacity improvements	Collection System	Revenues	200,000	150,000						350,000
Eby Road capacity improvements	Collection System	Revenues	25,000	100,000						125,000
Interceptor capacity improvement program	Collection System	Revenues	50,000	90,000	180,000	180,000	180,000	180,000	200,000	1,060,000
Temporary flow meters	Collection System	Revenues	15,000	15,000	15,000	15,000	15,000	15,000	20,000	110,000
Open cut allowance	Collection System	Revenues	300,000	360,000	360,000	360,000	360,000	360,000	400,000	2,500,000
Large diameter TV allowance	Collection System	Revenues	100,000	90,000	90,000	90,000	90,000	90,000	100,000	650,000
Sewer repair and replacement allowance	Collection System	Revenues	2,500,000	1,850,000	2,250,000	4,050,000	3,400,000	6,100,000	4,150,000	24,300,000
Siphon access construction and cleaning	Collection System	Revenues	50,000	45,000	45,000	45,000	45,000	45,000	50,000	325,000
WPC Maintenance;										
New meters	Maintenance	Revenues	50,000	50,000	50,000	50,000	50,000	50,000	55,000	355,000
Install manholes/pipes	Maintenance	Revenues	150,000	200,000	200,000	200,000	200,000	200,000	220,000	1,370,000
TV truck	Maintenance	Revenues	200,000	120,000						320,000
Two ton crew truck	Maintenance	Revenues	126,500		270,000	200,000				596,500
Jet flusher truck	Maintenance	Revenues	200,000							200,000
Pickup truck	Maintenance	Revenues	30,000		30,000					60,000
TV video server space	Maintenance	Revenues	35,000							35,000
Skid loader	Maintenance	Revenues				85,000				85,000
Tri-axle dump truck	Maintenance	Revenues		158,000						158,000
Sedan	Maintenance	Revenues	25,000							25,000
MDTs/AVL	Maintenance	Revenues	30,000							30,000
Skid loader trailer	Maintenance	Revenues	15,000							15,000
Combination jet/vac truck	Maintenance	Revenues		352,000						352,000
Extended cab small pickup truck	Maintenance	Revenues		50,000						50,000
Backhoe	Maintenance	Revenues		130,000						130,000
Air compressor	Maintenance	Revenues		14,000						14,000
24 ton backhoe trailer	Maintenance	Revenues		27,000	28,000					55,000
Medium size excavator	Maintenance	Revenues			165,000					165,000
Small SUV	Maintenance	Revenues			25,000					25,000
General rolling stock	Maintenance	Revenues				400,000	655,000	650,000	700,000	2,405,000
Subtotals to carry forward			43,511,500	46,421,000	46,063,000	44,925,000	50,995,000	51,630,000	58,855,000	342,400,500

(Continued on next page)

### SCHEDULE OF ANNUAL CAPITAL IMPROVEMENTS AND REPLACEMENTS Per the 2014 - 2020 Capital Budget per Utility Management

Improvement	Category	Funding Source	2014	2015	2016	2017	2018	2019	2020	Totals
Subtotals carried forward										
www.nl			\$43,511,500	\$46,421,000	\$46,063,000	\$44,925,000	\$50,995,000	\$51,630,000	\$58,855,000	\$342,400,500
WPC Plant;	m14		60.000		40.000					
Lining of lagoons	Plant Plant	Revenues	60,000	60,000	60,000	60,000	60,000	60,000	65,000	425,000
Biosolids future project allowance  Dome building for biosolids/lime	Plant	Revenues Revenues	150 000	40,000	80,000	80,000	80,000	80,000	90,000	450,000
Pond flow control gates improvements	Plant	Revenues	150,000 50,000	50,000 50,000	50,000					200,000
Pond 2 sweetwater improvements	Plant	Revenues	50,000		30.000					150,000
Pond algae control improvements	Plant	Revenues	25,000	125,000 25,000	25,000	25,000				175,000
Pond aigue control improvements  Pond miscellaneous improvements	Plant	Revenues	25,000	25,000	105,000		100.000	100 000	200.000	100,000
Rebuild and replace lift station pumps	Plant	Revenues	75.000	67.000	65,000	20,000	180,000	180,000	200,000	685,000
Repair and replace fines and drives at lift stations	Plant	Revenues	75,000 10,000	65,000 10,000	10,000	65,000	65,000	65,000	75,000	475,000
Telemetry master PLC replacement	Plant	Revenues		50,000	10,000	10,000	10,000	10,000	15,000	75,000
Coverdale improvements	Plant	Revenues	100,000	175,000						150,000 175,000
Lift station pump control replacement	Plant	Revenues	25,000	175,000						
Engle Road lift station force main replacement	Plant	Revenues	100,000							25,000
Maplewood lift station force main replacement	Plant	Revenues	150,000							100,000
Lime sludge lift station force main replacement	Plant	Revenues	200,000							150,000 200,000
	Plant	Revenues	125,000							200,000 125,000
Zanesville lift station #1 upgrades Zanesville lift station #4 upgrades	Plant	Revenues								
Zanesville lift station #5 upgrades	Plant	Revenues	125,000	125,000						125,000 125,000
Zanesville lift station #6 upgrades	Plant	Revenues		80,000						
Redwood lift station elimination - Aqua North	Plant	Revenues		125,000						80,000
Hessen Cassel lift station rehabilitation	Plant	Revenues	40,000							125,000
River Ben Woods lift station rehab	Plant	Revenues	140,000	100,000						140,000 140,000
Steeple Chase lift station rehab	Plant	Revenues	140,000		140.000					140,000
Dupont lift station rehab	Plant	Revenues			120,000					
Morton St. lift station rehab	Plant	Revenues		100,000	250,000					120,000 350,000
	Plant	Revenues			250,000 45,000	45,000	45.000	45.000	50,000	
Lift station capacity improvement program Lift stations future project allowances	Plant	Revenues		45,000	290,000	700,000	45,000	45,000	50,000 765,000	275,000
Miscellaneous future project allowance	Plant	Revenues	45,000	10.000	40,000	40,000	700,000	700,000		3,155,000 - 290,000
Mapping of closed work orders	Plant	Revenues	5,000	40,000 5,000	5,000	5,000	40,000 5,000	40,000	45,000 5,000	
Lighting improvements	Plant	Revenues	25,000 25,000	20,000	20,000			5,000	25,000	35,000
	Plant	Revenues	150,000	20,000	20,000	20,000	20,000	20,000	25,000	150,000 150,000
Pond 3 improvements - design Electrical and methane use improvements	Plant	Revenues	250,000	250 000						500,000
HSW and FOG receiving upgrades	Plant	Revenues	50,000	250,000 150,000						200,000
Effluent piping reliability improvements	Plant	Revenues	30,000	50,000	450,000	500,000				1.000.000
Plant capacity and enhancements	Plant	Revenues		30,000	450,000	300,000	385,000	385,000	400,000	1,170,000
WPCP SCADA master plan	Plant	Revenues	60,000	150,000	130,000	130,000	130,000	383,000	400,000	600,000
WPCP electrical metering - phase II	Plant	Revenues	50.000	120,000	130,000	130,000	120,000			50,000
Energy improvements allowance	Plant	Revenues	25,000	25,000	25,000	25,000	25,000	25,000	25,000	175,000
Large valve replacement	Plant	Revenues	15,000	15,000	15,000	15,000	15,000	15,000	20,000	110,000
Return sludge pump spare	Plant	Revenues	40.000	40,000	15,000	13,000	13,000	15,000	45,000	125,000
RWW pumps - rebuild/replace	Plant	Revenues	130,000	40,000				130,000	130,000	390,000
Master plan update	Plant	Revenues	50,000					130,000	1,00,000	50,000
Facility sump pumps	Plant	Revenues	20,000							20,000
Window and door replacement	Plant	Revenues	30,000	25,000	25,000	25,000	25,000	25,000	30,000	185,000
Plant efficiency and reliability future project allowance	Plant	Revenues	30,000	23,000	45,000	45,000	45,000	45,000	50,000	230,000
Miscellaneous future project allowance	Plant	Revenues			45,000	45,000	45,000 45,000	45,000	50,000	230,000
Roofing	Plant	Revenues	60,000	55,000	55,000	55,000	55,000 55,000	60,000	60.000	400,000
receining	Limit	NO YOUNGS	50,000	55,000	32.000	22,000	33,000	00,000	00,000	400,000
Subtotals to carry forward			45,941,500	48,471,000	48,158,000	46,835,000	52,925,000	53,565,000	61,000,000	356,895,500

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### SCHEDULE OF ANNUAL CAPITAL IMPROVEMENTS AND REPLACEMENTS Per the 2014 - 2020 Capital Budget per Utility Management

Improvement	Category	Funding Source	2014	2015	2016	2017	2018	2019	2020	Totals
Subtotals carried forward			\$45,941,500	\$48,471,000	\$48,158,000	\$46,835,000	\$52,925,000	\$53,565,000	\$61,000,000	\$356,895,500
WPC Plant: (Cont'd)										
Rebuild of compactors	Plant	Revenues	75,000							75,000
Limestone restoration	Plant	Revenues	20,000	20,000	20,000	20,000	20,000	20,000	25,000	145,000
Brown St. motor starter replacement	Plant	Revenues	125,000							125,000
Refurbish lab countertops, cabinets	Plant	Revenues	100,000	65,000						165,000
Centrifuge rehab and repair	Plant	Revenues	75,000							75,000
Muffin monster rebuild digester	Plant	Revenues	10,000							10,000
Central heating/powerhouse study	Plant	Revenues		100,000						100,000
Algae control for nine clarifiers	Plant	Revenues	50,000	50,000	50,000					150,000
Primary clarifier mechanism rebuild	Plant	Revenues	75,000	75,000	75,000	75,000				300,000
East secondary/RAS improvements	Plant	Revenues			175,000	400,000				575,000
Spare pumps for dechlor	Plant	Revenues	6,000				6,000	6,000		18,000
Plant repair and replace future project allowance	Plant	Revenues					420,000	420,000	520,000	1,360,000
Asbestos inventory/removal	Plant	Revenues	20,000	20,000	20,000	20,000	20,000	20,000	20,000	140,000
Security and door lock upgrades	Plant	Revenues	6,000	6,000						12,000
Plant safety and security future project allowance	Plant	Revenues	50,000		80,000	45,000	45,000	45,000	50,000	315,000
Replace John Deere and Kubota units	Plant	Revenues		40,000			•		·	40,000
General purchased assets	Plant	Revenues	75,000	150,000	250,000	230,000	230,000	230,000	250,000	1,415,000
Sample pumps for process control of sodium bisulfate	Plant	Revenues	6,000							6,000
Auto sampler for plant processes	Plant	Revenues		15,000						15,000
Analytical balance	Plant	Revenues		5,000						5,000
Process view nodes	Plant	Revenues		14,000						14,000
Heavy duty truck for pulling generators and lift mechanism	Plant	Revenues	85,000							85,000
Electrical repair truck with modular body and small crane	Plant	Revenues	60,000					naar	***************************************	60,000
Totals			46,779,500	49,031,000	48,828,000	47,625,000	53,666,000	54,306,000	61,865,000	362,100,500
Less: Outstanding and Proposed Bond funding			(37,975,000)	(41,520,000)	(41,355,000)	(38,300,000)	(45,050,000)	(42,990,000)	(51,900,000)	(299,090,000)
Capital Improvements and Replacements to be Funded	i From Revenues		\$8,804,500	\$7,511,000	\$7,473,000	\$9,325,000	\$8,616,000	\$11,316,000	\$9,965,000	\$63,010,500

Average Annual Capital Improvements and Replacements to be Funded From Revenues (based on years 2015-2020)

\$9,034,333

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### SCHEDULE OF ANNUAL CAPITAL IMPROVEMENTS AND REPLACEMENTS Per the 2014 - 2020 Capital Budget per Utility Management

#### SUMMARY OF CAPITAL IMPROVEMENT BUDGET

		2014	2015	2016	2017	2018	2019	2020	Totals
Category Summary #1;									
Outstanding Bonds		\$34,975,000	\$14,880,000	\$ -	\$ -	S -	s <u>-</u>	\$ -	\$49,855,000
Proposed Bonds		3,000,000	25,640,000	41,355,000	38,300,000	45.050,000	42,990,000	51,900,000	249,235,000
SERF		250,000	300,000	300,000	300,000	300,000	300,000	330,000	2,080,000
WPC Collection System		4,425,000	3,500,000	3,640,000	5,390,000	4,740,000	7,440,000	5,650,000	34,785,000
WPC Maintenance		861,500	1,101,000	768,000	935,000	905,000	900,000	975,000	6,445,500
WPC Plant		3,268,000	2,610,000	2,765,000	2,700,000	2.671.000	2,676,000	3,010,000	19,700,000
Totals		\$46,779,500	\$49,031,000	\$48,828,000	\$47,625,000	\$53,666,000	\$54,306,000	\$61,865,000	\$362,100,500
Category Summary #2;									
CSO/LTCP		\$16,325,000	\$18,800,000	\$18,375,000	\$21,300,000	\$34,250,000	\$33,650,000	\$38,500,000	\$181,200,000
Collection System		14,075,000	12,550,000	18,220,000	19,940,000	13,140,000	15,740,000	15,650,000	109,315,000
Plant		15,268,000	16,280,000	11,165,000	5,150,000	5,071,000	3,716,000	6,410,000	63,060,000
SERF		250,000	300,000	300,000	300,000	300,000	300,000	330,000	2,080,000
Maintenance		861,500	1,101,000	768.000	935,000	905,000	900,000	975,000	6,445,500
Totals		\$46,779,500	\$49,031,000	\$48,828,000	\$47,625,000	\$53,666,000	\$54,306,000	\$61,865,000	\$362,100,500
Funding Source Summary:									
2011 A Bond		\$500,000	\$ -	\$ -	s -	\$ -	\$ -	\$ -	\$500,000
2012 B Bond		1,550,000	1,000,000	-		-	-	-	2,550,000
2013 Bond		32,925,000	13,880,000	-		-	•		46,805,000
Future Bond*		3,000,000	26,640,000	41,355,000	38,300,000	45,050,000	42,990,000	51,900,000	249,235,000
Revenues		8,804,500	7,511,000	7,473,000	9,325,000	8,616,000	11,316,000	9,965,000	63,010,500
Totals		\$46,779,500	\$49,031,000	\$48,828,000	\$47,625,000	\$53,666,000	\$54,306,000	\$61,865,000	\$362,100,500
B. Dunnagad 2015 David	\$70,995,000								
* Proposed 2015 Bond Proposed 2017 Bond	\$70.995,000								
	94,890,000								
Proposed 2019 Bond	94.890,000								

Total proposed future bond

\$249,235,000

#### ESTIMATED SOURCES AND USES OF FUNDS

(Proposed 2015 Bond)

•	
Estimated Uses of Funds:	
Construction costs - 2014 (page 19)	\$3,000,000
Construction costs - 2015 (page 19)	26,640,000
Construction costs - 2016 (page 19)	41,355,000
Underwriter's discount (1%)	785,000
Bond issuance costs (bond counsel, financial advisor, local legal)	100,000
Bond rating costs	20,000
Debt service reserve (to fully fund open market reserve)	6,540,000
Contingencies and rounding	60,000
Total estimated uses of funds	\$78,500,000
Estimated Sources of Funds:	
Proposed Sewage Works Revenue Bonds of 2015	\$78,500,000
Total estimated sources of funds	\$78,500,000

<sup>\*</sup> Based on 125% of estimated combined average annual debt service.

### SCHEDULE OF AMORTIZATION OF \$78,500,000 PRINCIPAL AMOUNT OF PROPOSED SEWAGE WORKS REVENUE BONDS OF 2015

Principal payable annually on August 1st, beginning August 1st, 2016.

Principal payable semiannually on February 1st and August 1st, beginning February 1st, 2034.

Interest payable semiannually on February 1st and August 1st, beginning February 1, 2016.

Assumed interest rates based on MMD "A" scale as of 9/6/13 + 75 basis points.

Assumes bonds are dated March 1, 2015.

Payment	Principal	Assumed Interest		Debt Service		Bond Year
Date	Balance	Rates	Principal	Interest	Total	Total
	(ln \$1,000's)	(%)	(In \$1,000's)	(	In Dollars	)
	, , ,	` ,	, ,	·		,
8/1/2015	\$78,500			\$1,745,226.04	\$1,745,226.04	\$1,745,226.04
2/1/2016	78,500			2,094,271.25	2,094,271.25	
8/1/2016	78,500	1.80	\$780	2,094,271.25	2,874,271.25	4,968,542.50
2/1/2017	77,720			2,087,251.25	2,087,251,25	
8/1/2017	77,720	2.30	815	2,087,251.25	2,902,251.25	4,989,502.50
2/1/2018	76,905			2,077,878.75	2,077,878.75	
8/1/2018	76,905	2.85	845	2,077,878.75	2,922,878.75	5,000,757.50
2/1/2019	76,060			2,065,837.50	2,065,837.50	
8/1/2019	76,060	3.25	875	2,065,837.50	2,940,837.50	5,006,675.00
2/1/2020	75,185			2,051,618.75	2,051,618,75	
8/1/2020	75,185	3.70	920	2,051,618.75	2,971,618.75	5,023,237.50
2/1/2021	74,265			2,034,598.75	2,034,598.75	
8/1/2021	74,265	4.05	950	2,034,598.75	2,984,598.75	5,019,197.50
2/1/2022	73,315			2,015,361.25	2,015,361.25	
8/1/2022	73,315	4.30	990	2,015,361.25	3,005,361.25	5,020,722.50
2/1/2023	72,325			1,994,076.25	1,994,076.25	
8/1/2023	72,325	4.55	3,155	1,994,076.25	5,149,076.25	7,143,152.50
2/1/2024	69,170			1,922,300.00	1,922,300.00	
8/1/2024	69,170	4.75	3,260	1,922,300.00	5,182,300.00	7,104,600.00
2/1/2025	65,910			1,844,875.00	1,844,875.00	
8/1/2025	65,910	4.95	3,365	1,844,875.00	5,209,875.00	7,054,750.00
2/1/2026	62,545			1,761,591.25	1,761,591.25	
8/1/2026	62,545	5.10	4,855	1,761,591.25	6,616,591.25	8,378,182.50
2/1/2027	57,690			1,637,788.75	1,637,788.75	
8/1/2027	57,690	5,25	5,100	1,637,788.75	6,737,788.75	8,375,577.50
2/1/2028	52,590			1,503,913.75	1,503,913.75	
8/1/2028	52,590	5,40	5,370	1,503,913.75	6,873,913.75	8,377,827.50
2/1/2029	47,220			1,358,923.75	1,358,923.75	
8/1/2029	47,220	5,50	5,655	1,358,923.75	7,013,923.75	8,372,847.50
2/1/2030	41,565			1,203,411.25	1,203,411.25	
8/1/2030	41,565	5,65	5,970	1,203,411.25	7,173,411.25	8,376,822.50
2/1/2031	35,595			1,034,758.75	1,034,758.75	
8/1/2031	35,595	5.70	6,305	1,034,758.75	7,339,758.75	8,374,517.50
2/1/2032	29,290		•	855,066.25	855,066.25	
8/1/2032	29,290	5,80	6,665	855,066,25	7,520,066.25	8,375,132.50
2/1/2033	22,625			661,781.25	661,781.25	
8/1/2033	22,625	5.85	7,045	661,781.25	7,706,781.25	8,368,562.50
2/1/2034	15,580	5.85	3,730 *	455,715.00	4,185,715.00	
8/1/2034	11,850	5,85	3,835 *	346,612.50	4,181,612.50	8,367,327.50
2/1/2035	8,015	5.85	3,950 *	234,438.75	4,184,438.75	
8/1/2035	4,065	5.85	4,065 *	118,901.25	4,183,901.25	8,368,340,00
	Totals		\$78,500	\$63,311,501.04	\$141,811,501.04	\$141,811,501.04

Average annual debt service for bond years ending 8/1/2017 - 8/1/2022

\$5,010,015.42

Note: If Proposed Bonds were sized with level debt service the estimated annual debt service payment would be approximately \$6,596,000.

<sup>\*</sup> Assumes transition to semiannual principal payments after 2013 bonds are paid off (will result in interest cost savings).

#### PROPOSED SCHEDULE OF COMBINED BOND AMORTIZATION

Payment	Currently Outstanding	Proposed		Bond Year
Date	Bonds	2015 Bonds	Total	Total
	(Pages 75 - 76)	(Page 21)		
8/1/2013	\$14,809,458.26		\$14,809,458.26	\$14,809,458.26
2/1/2014	4,664,220.23		4,664,220.23	
8/1/2014	21,065,277.23		21,065,277.23	25,729,497.46
2/1/2015	4,449,898.11		4,449,898.11	
8/1/2015	21,253,510.11	\$1,745,226.04	22,998,736.15	27,448,634.26
2/1/2016	4,228,514.84	2,094,271.25	6,322,786.09	
8/1/2016	21,446,562.84	2,874,271.25	24,320,834.09	30,643,620.18
2/1/2017	4,001,069.87	2,087,251.25	6,088,321.12	
8/1/2017	21,650,511.87	2,902,251.25	24,552,763.12	30,641,084.24
2/1/2018	3,767,316.02	2,077,878.75	5,845,194.77	
8/1/2018	21,872,191.02	2,922,878.75	24,795,069.77	30,640,264.54
2/1/2019	3,524,319.30	2,065,837.50	5,590,156.80	
8/1/2019	22,110,750.30	2,940,837.50	25,051,587.80	30,641,744.60
2/1/2020	3,267,266.97	2,051,618.75	5,318,885.72	
8/1/2020	22,354,467.97	2,971,618.75	25,326,086.72	30,644,972.44 *
2/1/2021	3,002,423.88	2,034,598.75	5,037,022.63	
8/1/2021	22,618,698.88	2,984,598.75	25,603,297.63	30,640,320.26
2/1/2022	2,728,424.46	2,015,361.25	4,743,785.71	
8/1/2022	22,892,173.46	3,005,361.25	25,897,534.71	30,641,320.42
2/1/2023	2,444,807.31	1,994,076.25	4,438,883.56	
8/1/2023	21,054,531.31	5,149,076.25	26,203,607.56	30,642,491.12
2/1/2024	2,167,323.99	1,922,300.00	4,089,623.99	
8/1/2024	21,370,624.99	5,182,300.00	26,552,924.99	30,642,548.98
2/1/2025	1,874,317.86	1,844,875.00	3,719,192.86	
8/1/2025	21,711,908.86	5,209,875.00	26,921,783.86	30,640,976.72
2/1/2026	1,538,561.98	1,761,591.25	3,300,153.23	
8/1/2026	19,322,267.98	6,616,591.25	25,938,859.23	29,239,012.46
2/1/2027	1,233,115.23	1,637,788.75	2,870,903.98	
8/1/2027	16,003,880.23	6,737,788.75	22,741,668.98	25,612,572.96
2/1/2028	967,339.63	1,503,913.75	2,471,253.38	
8/1/2028	13,048,226.63	6,873,913.75	19,922,140.38	22,393,393.76
2/1/2029	755,992.69	1,358,923.75	2,114,916.44	
8/1/2029	13,236,195.69	7,013,923.75	20,250,119.44	22,365,035.88
2/1/2030	537,102.82	1,203,411.25	1,740,514.07	
8/1/2030	13,437,946.82	7,173,411.25	20,611,358.07	22,351,872.14
2/1/2031	310,281.55	1,034,758.75	1,345,040.30	
8/1/2031	7,949,281.55	7,339,758.75	15,289,040.30	16,634,080.60
2/1/2032	194,309.30	855,066.25	1,049,375.55	
8/1/2032	5,931,309.30	7,520,066.25	13,451,375.55	14,500,751.10
2/1/2033	95,971.88	661,781.25	757,753.13	
8/1/2033	5,390,971.88	7,706,781.25	13,097,753.13	13,855,506.26
2/1/2034		4,185,715.00	4,185,715.00	
8/1/2034		4,181,612.50	4,181,612.50	8,367,327.50
2/1/2035		4,184,438.75	4,184,438.75	
8/1/2035		4,183,901.25	4,183,901.25	8,368,340.00
Totals	\$416,283,325.10	\$141,811,501.04	\$558,094,826.14	\$558,094,826.14

<sup>\*</sup> Proposed maximum annual debt service.

### PRO FORMA ANNUAL REVENUE REQUIREMENTS AND ANNUAL REVENUES See Explanation of Adjustments, Page 24

	12 Months Ended 4/30/2013	Adjustments	Ref.	Pro Forma
Annual Revenue Requirements	(Unaudited)			
Cash operating expenses	\$23,641,912	\$528,303	(1)	\$24,170,215
Payment in lieu of property taxes	3,694,528	524,522	(2)	4,219,050
Debt Service:				
Outstanding Debt	15,347,642	10,355,766	(3)	25,703,408
Proposed Debt	-	1,745,226	(4)	1,745,226
Replacements and improvements	10,451,668 *	(2,940,668)	(5)	7,511,000
Total revenue requirements	53,135,750	10,213,149		63,348,899
Less: interest income	(79,419)		(6)	(79,419)
Less: connection fees	(964,793)	194,793	(7)	(770,000)
Less: developer fees	(62,978)	9,669	(8)	(53,309)
Less: engineering fees	(140,576)	62,320	(8)	(78,256)
Net revenue requirements	\$51,887,984	\$10,479,931		\$62,367,915
Annual Revenues				
Operating Revenues	\$52,196,661	\$5,111,641	(9)	\$57,308,302
Additional Revenues Required	(\$308,677)	\$5,368,290		\$5,059,613
Approximate Across-the-Board Percentage I Required (based on normalized adjustable		e 7)		9.03%

<sup>\*</sup> Based on test year depreciation expense.

(Continued on next page)

(Cont'd)

## PRO FORMA ANNUAL REVENUE REQUIREMENTS AND ANNUAL REVENUES (Explanation of Adjustments)

- (1) See Pro Forma Annual Operating Expenses (pages 5 6).
- (2) Based on estimates provided by utility management.
- (3) Based on the combined debt service on the outstanding debt for bond year 2015 (pages 75 76).
- (4) Based on proposed 2015 Bond issue (page 21).
- (5) Per the cash funded capital replacement and improvement budget for 2015 as detailed in the Capital Improvement Plan (pages 15 19).
- (6) Assumed at test year amounts.
- (7) Per utility estimates based on growth.
- (8) Based on three-year average (2010-2012).
- (9) See Calculation of Normalized Annual Operating Revenues (page 7).

#### ALLOCATION OF REVENUE REQUIREMENTS TO COST FUNCTION

See Explantion of References on Page 26

	Pro	_	_			
Annual Revenue Requirements	Forma	Treatment	Conveyance	Billing	Administrative	Ref
Cash operating expenses:						
Collection system (see pages 5 - 6)	\$5,740,791		\$5,740,791			(1)
Sewage treatment (see pages 5 - 6)	9,494,606	\$9,494,606	4-3			(1)
Customer accounts (see pages 5 - 6)	1,407,477			\$1,407,477		(1)
Administrative and general (see pages 5 - 6)	7,527,340			1,544,084	\$5,983,256	(1)(2)
Subtotals	24,170,214	9,494,606	5,740,791	2,951,561	5,983,256	
Allocation of administrative expenses	(1)	3,123,858	1,888,914	970,483	(5,983,256)	(3)
Total operating expenses	24,170,213	12,618,464	7,629,705	3,922,044	-	
Payment in lieu of property taxes	4,219,050	2,084,211	1,910,386	224,453	-	(4)
Debt service - outstanding	25,703,408	12,142,290	13,381,194	179,924	-	(5)
Debt service - 2015	1,745,226	824,445	908,565	12,216	-	(5)
Replacements and improvements	7,511,000	3,710,434	3,400,981	399,585	<del>-</del>	(4)
Total revenue requirements	63,348,897	31,379,844	27,230,831	4,738,222	-	
Less: interest income	(79,419)	(41,465)	(25,073)	(12,881)		(3)
Less: connection fees	(770,000)	(402,017)	(243,089)	(124,894)		(3)
Less: developer fees	(53,309)		(53,309)	` '		(1)
Less: engineering fees	(78,256)		(78,256)			(1)
Less: forfeited discounts (page 7)	(658,805)	(326,570)	(283,286)	(48,949)		
Less: capital surcharges (page 7)	(356,640)		(356,640)	,		(1)
Less: burden transfers (page 7)	(278,777)	(150,100)	(90,301)	(38,376)		(6)
Less: waste evaluation revenue (page 34)	(114,513)	(114,513)	-	_		(1)
Less: bulk hauler revenue (page 35)	(256,583)	(256,583)		-		(1)
Total net revenue requirements	\$60,702,595	\$30,088,596	\$26,100,877	\$4,513,122	\$ -	
Percentage Ratios	100.00%	49.57%	43.00%	7.43%		

(Continued on next page)

(Cont'd)

### <u>ALLOCATION OF REVENUE REQUIREMENTS TO COST FUNCTION</u> (NOTES)

- (1) Direct allocation to cost function.
- (2) Customer relations and data control included in administrative and general budget is \$1,544,084 per Utility Management.
- (3) Allocated based on all other proforma operating expenses:

	Subtotal	
	Allocation	Percentage
Treatment	\$9,494,606	52.21%
Conveyance	5,740,791	31.57%
Billing	2,951,561	16.22%
Total non administrative	\$18,186,958	100.00%

(4) Allocated based on depreciation allocation ratios provided by Utility Management.

	Percentage*
Treatment	49.40%
Conveyance	45.28%
Billing	5.32%
Total non administrative	100.00%

- \* Provided by Utility Management via email on 7/18/2013.
- (5) Allocated based on debt issued for treatment and conveyance projects (page 77).

	Percentage
Treatment	47.24%
Conveyance	52.06%
Billing	0.70%
Total non administrative	100.00%

(6) Allocated based on 2013 budget allocation (page 10)

FORT WAYNE (INDIANA) MUNICIPAL SEWAGE WORKS

CALCULATION OF TREATMENT RATES AND CHARGES

### ALLOCATION OF PRO FORMA TREATMENT EXPENSE TO CUSTOMER CLASSES

						Allocate To					
	Total	Flow		TSS		BOD	_	Phosphorus		Ammonia	
Pro forma treatment expense:											
Operating expenses (1)	\$12,618,464	\$5,913,643		\$3,230,327		\$2,473,219		\$530,606		\$470,669	
Payment in lieu of property taxes	2,084,211	2,084,211									
Debt service	12,966,735	12,966,735									
Replacements and improvements	3,710,434	3,710,434									
Less: Miscellaneous revenues	(1,291,248)	(1,291,248)									
Pro forma treatment expense	\$30,088,596	\$23,383,775		\$3,230,327	<u></u>	\$2,473,219	-	\$530,606		\$470,669	
Inside City Retail	\$14.350,051	\$10,354,336	(2)	\$1,708,843	(3)	\$1,738,178	(4)	\$280,319	(5)	\$268,375	(6)
Outside City Retail	1,759,538	1,269,739	(2)	209,325	(3)	213,191	(4)	34,383	(5)	32,900	(6)
Contract Customers	2,408,215	1,737,414	(2)	286,853	(3)	291,840	(4)	47,065	(5)	45,043	(6)
Inflow and infiltration ("I/I")	11,570,792	10,022,286	(2)	1,025,306	(3)_	230,009	(4)	168,839	(5)_	124,352	(6)
Totals	\$30,088,596	\$23,383,775	00000	\$3,230,327	=	\$2,473,218	=	\$530,606	-	\$470,670	
Variance	<u>\$0</u>	\$0	FEET	\$0	=	\$1	: =	\$0	200	(\$1)	

(1) Allocated 46.9% / 25.6% / 19.6% / 4.2% / 3.7% per Utility operations.

(2) Allocated based on test year flow before adjustments:	Test Year	
	Flow	Allocation %
	(in ccf)	
Inside City Retail	8,811,749	44.28%
Outside City Retail	1,080,185	5,43%
Contract Customers	1,479,207	7,43%
Subtotals	11,371,141	57.14%
I/I	8,528,084 *	42.86%
Totals	19,899,225	100,00%
* Based on calculated flow due to I/I:		
Test year plant flow (in ccf) (page 36)	19,899,225	
Less: subtotal billed flow above (in ccf)	(11,371,141)	
Flow due to I/I (in ccf)	8,528,084	

(Continued on next page)

(Cont'd)

### ALLOCATION OF PRO FORMA TREATMENT EXPENSE TO CUSTOMER CLASSES

(3) Allocated based on test year lbs. before adjustments:	Test Year TSS (in lbs)	Allocation %
Inside City Retail	16,491,153 *	52.90%
Outside City Retail	2,021,562 *	6.48%
Contract Customers	2,768,330 *	8.88%
Subtotals	21,281,045	68.26%
M	9,894,526_**	31.74%
Totals	31,175,571	100.00%

- \* Calculation is based on test year flow and normal domestic lbs. of 300 mg/l. Plus test year billed excess strength. Formula = ccf x 748 / 1,000,000 x 8.34 x 300 mg/l
- \*\* Based on calculated TSS due to I/I:

Test year TSS (in lbs) (page 36)	31,175,571
Less: subtotal accounted for TSS above (in lbs)	(21,281,045)
TSS due to I/I (in lbs)	9,894,526

(4) Allocated based on test year lbs. before adjustments:	Test Year BOD	Allocation %
	(in Ibs)	
Inside City Retail	16,491,153 *	70.28%
Outside City Retail	2,021,562 *	8.62%
Contract Customers	2,768,330 *	11,80%
Subtotals	21,281,045	90.70%
N	2,183,007_**	9.30%
Totals	23,464,052	100.00%

- \* Calculation is based on test year flow and normal domestic lbs. of 300 mg/l. Formula = ccf x 748 / 1,000,000 x 8.34 x 300 mg/l
- \*\* Based on calculated BOD due to I/I:

Test year BOD (in lbs) (page 36)	23,464,052
Less: subtotal accounted for BOD above (in lbs)	(21,281,045)
BOD due to I/I (in lbs)	2,183,007

(Continued on next page)

(Cont'd)

#### ALLOCATION OF PRO FORMA TREATMENT EXPENSE TO CUSTOMER CLASSES

(5) Allocated based on test year lbs. <u>before adjustments</u> :	Test Year		
	Phosphorus		Allocation %
	(in lbs)	-	
Inside City Retail	274,853	*	52.83%
Outside City Retail	33,693	*	6.48%
Contract Customers	46,139	*	8.87%
Subtotals	354,685	_	68.18%
I/I	165,612	**	31.82%
Totals	520,297	=	100.00%

\* Calculation is based on test year flow and normal domestic lbs. of 5 mg/l.

Formula = cof x 748 / 1,000,000 x 8.34 x 5 mg/l

Note: Current normal domestic is 10 mg/l, however, we suggest changing to 5 mg/l.

\*\* Based on calculated Phosphorus due to I/I:

Test year Phosphorus (in Ibs) (page 36)	520,297
Less: subtotal accounted for Phosphorus above (in lbs)	(354,685)
Phosphorus due to I/I (in lbs)	165,612

(6) Allocated based on test year lbs. before adjustments: Test-Year Allocation % Ammonia (in lbs) Inside City Retail 1,374,263 \* 57.02% Outside City Retail 168,463 \* 6.99% Contract Customers 230,694 \* 9.57% Subtotals 1,773,420 73.58% I/I 636,772 \*\* 26.42% Totals 2,410,192 100.00%

- Calculation is based on test year flow and normal domestic lbs. of 25 mg/l.
   Formula = ccf x 748 / 1,000,000 x 8.34 x 25 mg/l
- \*\* Based on calculated Ammonia due to I/I:

Test year Ammonia (in lbs) (page 36)	2,410,192
Less: subtotal accounted for Ammonia above (in lbs)	(1,773,420)
Ammonia due to I/I (in lbs)	636,772

### ALLOCATION OF PRO FORMA TREATMENT <u>I/I EXPENSE TO CUSTOMER CLASSES</u>

<u>Flow</u>	Flow	Flow I/I	_	Total Flow
Inside City Retail Outside City Retail Contract Customers	\$10,354,336 1,269,739 1,737,414	\$8,559,606 1,127,590 335,090	(1) (1) (2)_	\$18,913,942 2,397,329 2,072,504
Totals	\$13,361,489	\$10,022,286	_	\$23,383,775
TSS	TSS	TSS VI	_	Total TSS
Inside City Retail Outside City Retail Contract Customers	\$1,708,843 209,325 286,853	\$854,864 112,615 57,827	(1) (1) (2)_	\$2,563,707 321,940 344,680
Totals	\$2,205,021	\$1,025,306	_	\$3,230,327
BOD	BOD	BOD I/I	_	Total BOD
Inside City Retail Outside City Retail Contract Customers	\$1,738,178 213,191 291,840	\$191,774 25,263 12,972	(1) (1) (2)_	\$1,929,952 238,454 304,812
Totals	\$2,243,209	\$230,009	_	\$2,473,218
Phosphorus	Phosphorus	Phosphorus I/I	_	Total Phosphorus
Phosphorus Inside City Retail Outside City Retail Contract Customers	\$280,319 34,383 47,065	•	(1) (1) (2)	
Inside City Retail Outside City Retail	\$280,319 34,383	<u>I/I</u> \$140,772 18,544	(1)	Phosphorus \$421,091 52,927
Inside City Retail Outside City Retail Contract Customers	\$280,319 34,383 47,065	\$140,772 18,544 9,523	(1)	\$421,091 52,927 56,588
Inside City Retail Outside City Retail Contract Customers  Totals	\$280,319 34,383 47,065 \$361,767	\$140,772 18,544 9,523 \$168,839	(1)	\$421,091 52,927 56,588 \$530,606
Inside City Retail Outside City Retail Contract Customers  Totals  Ammonia Inside City Retail Outside City Retail	\$280,319 34,383 47,065 \$361,767  Ammonia \$268,375 32,900	\$140,772 18,544 9,523 \$168,839 Ammonia 1/1 \$103,682 13,658	(1) (2)	\$421,091 \$2,927 56,588 \$530,606 Total Ammonia \$372,057 46,558
Inside City Retail Outside City Retail Contract Customers  Totals  Ammonia Inside City Retail Outside City Retail Contract Customers	\$280,319 34,383 47,065  \$361,767  Ammonia  \$268,375 32,900 45,043  \$346,318	\$140,772 18,544 9,523 \$168,839 Ammonia 1/1 \$103,682 13,658 7,012	(1) (2)	\$421,091 52,927 56,588 \$530,606 Total Ammonia \$372,057 46,558 52,055
Inside City Retail Outside City Retail Contract Customers  Totals  Ammonia Inside City Retail Outside City Retail Contract Customers  Totals	\$280,319 34,383 47,065  \$361,767  Ammonia  \$268,375 32,900 45,043  \$346,318	\$140,772 18,544 9,523 \$168,839 Ammonia 1/1 \$103,682 13,658 7,012	(1) (2)	\$421,091 52,927 56,588 \$530,606 Total Ammonia \$372,057 46,558 52,055
Inside City Retail Outside City Retail Contract Customers  Totals  Ammonia Inside City Retail Outside City Retail Contract Customers  Totals	\$280,319 34,383 47,065  \$361,767  Ammonia  \$268,375 32,900 45,043  \$346,318	\$140,772 18,544 9,523 \$168,839 Ammonia 1/1 \$103,682 13,658 7,012 \$124,352	(1) (2)	\$421,091 52,927 56,588 \$530,606 Total Ammonia \$372,057 46,558 52,055 \$470,670

<sup>(2)</sup> Based on total system allowable I/I for leakage per design standards and wet weather inflows along Contract Customer utilized interceptors ONLY.

#### CALCULATION OF PRO FORMA EXCESS STRENGTH RATES AND CHARGES

	Totals	Flow (page 30)	TSS (page 30)	BOD (page 30)	Phosphorus (page 30)	Ammonia (page 30)
Inside City Retail	\$24,200,749	\$18,913,942	\$2,563,707	\$1,929,952	\$421,091	\$372,057
Outside City Retail	3,057,208	2,397,329	321,940	238,454	52,927	46,558
Contract Customers	2,830,639	2,072,504	344,680	304,812	56,588	52,055
Totals	\$30,088,596	\$23,383,775	\$3,230,327	\$2,473,218	\$530,606	\$470,670
Divided by: Normal Domestic Loadin	ngs (1)		21,238,958	21,238,958	353,983	1,769,913
Rate per pound in excess			\$0.1521	\$0.1164	\$1.4990	\$0.2659
(1) Calculation is based on <u>adjusted test year</u>	ar flow times normal do	omestic loadings.				
Industrial Revenue:		Totals	TSS	BOD	Phosphorus	Ammonia
Calculated rate per pound			\$0.1521	\$0.1164	\$1,4990	\$0.2659
Times: Test year billed loadings (page	14)		1,893,465	5,094,108	19,058	57,459
Subtotal Industrial Excess Strength R	•	\$924,796	287,996	592,954	28,568	15,278
Contract Customers Revenue:						
Calculated rate per pound			\$0.1521	\$0.1164	\$1.4990	\$0.2659
Times: Test year billed loadings (page	14)		145,762	176,181	-	53,457
Subtotal Contract Customer Excess S	•	56,891	22,170	20,507		14,214
Total Pro Forma Excess Strength R	Revenue	\$981,687	\$310,166	\$613,461	\$28,568	\$29,492

### CALCULATION OF PRO FORMA TREATMENT RATES AND CHARGES

	Total Allocated Treatment Expense	Less: Excess Strength Rev. (1)	Less: Restaurant Surcharge Rev. (2)	Plus: Return on Plant (3)	Net Expense	Div. by: Normalized Test Year Flow	Calculated Rate
	(page 31)	(page 31)	(page 33)			(ccf)	
Inside City Retail	\$24,200,749	(\$870,655)	(\$264,448)	(\$684,042)	\$22,381,604	8,614,012	\$2.5983
Outside City Retail	3,057,208	(54,141)	(2,431)	684,042	3,684,678	1,134,491	\$3.2479
Contract Customers (4)	2,830,639	(56,893)	-		2,773,746	1,600,150	\$1.7334
Totals	\$30,088,596	(\$981,689)	(\$266,879)	\$	\$28,840,028	11,348,653	

<sup>(1)</sup> Allocated based on actual test year billed loadings.

<sup>(2)</sup> Allocated based on TY charges.

<sup>(3)</sup> Based on return on rate base calculation.

<sup>(4)</sup> Contract Customers are those customers that meet the required Contract Customer Characteristics identified on page 3 of this report. If a customer does not meet the criteria identified on page 3, that customer will be considered a Retail Customer and charged accordingly.

#### CALCULATION OF PRO FORMA RESTAURANT SURCHARGE

Pro forma degreasing expense (1) Times: Percentage allocated to restaurants Subtotal					\$762,396 33%	\$251,591
<b></b>						\$25 £,55 £
	No. of			Hours/		
Grease Trap Inspection Program:	Staff/Quantity	Rate		Quantity	Subtotal	
Labor:			_			
Inspectors set-up sampler	2	\$35.40	per hour	0.75	\$53.10	
Inspectors pick-up sampler	2	35.40	per hour	0.75	53.10	
Office:						
Correspondence employee	1	35.40	per hour	1.50	53.10	
Equipment:						
Sampler	1	12.50	per test	1.00	12.50	
Vehicle	2	41.50	per trip	1.00	83.00	
Calculated cost per inspection					\$254.80	
Times: No. of annual inspections					. 60	
Subtotal						15,288
Total Pro Forma Restaurant Surc	charge Expense					\$266,879
Divided by: Test year Restauran	t billed flow (in ccf) (page	e 14)				263,488
Calculated Restaurant Surch	narge (per ccf)					\$1.0129

<sup>(1)</sup> As provided by utility management. Is embedded in pro forma total sewage treatment costs (page 6).

<u>CALCULATION OF PRO FORMA WASTE EVALUATION CHARGES</u>
(Per Information Provided by Utility Management in "Waste Evaluation Charge - update lwp 7-19-2013" File)

Grease Trap Inspection Program:	No. of Staff/Quantity	Rate	_	Hours/ Quantity	Туре І	Туре И	Grab Compliance
Labor:			_			,	
Inspectors set-up sampler	2	\$35.40	per hour	1.25	\$88.50	\$88.50	
Inspectors set-up sampler	1	35.40	per hour	1.25			\$44.25
Inspectors pick-up sampler	2	35.40	per hour	1,25	. 88.50	88,50	
Office:			•				
Correspondence employee	1	35.40	per hour	1,50	53.10	53,10	
Correspondence employee	1	35,40	per hour	1.50			53.10
Testing:			•				
BOD	1	13.60	per test	1.00	13,60	13.60	
COD	1		per test	1.00	11.64	11.64	
Suspended solids	1	5.40	per test	1.00	5.40	5,40	
Phosphorus	1	7.75	per test	1.00	7.75	7.75	
Ammonia	1	5.90	per test	1.00	5.90	5.90	
Cadmium	1	7.00	per test	1.00	21,50	7.00	
Chromium	1	7.00	per test	1.00		7.00	
Copper	1	7.00	per test	1.00		7.00	
Lead	1	7.00	per test	1.00		7.00	
Nickel	1	7.00	per test	1.00		7.00	
Silver	1	7.00	per test	1.00		7.00	
Zinc	1	7.00	per test	1.00		7.00	
PH	1	6.00	per test	1.00	6,00	6.00	
Fats/Oils/Grease	1		per test	1.00	45.00	45.00	
Fats/Oils/Grease	1		per test	1,00	45,00	45.00	45.00
	í	43.00	per test	1,00			45,00
Equipment:	1	12.50		1.00	12,50	12.50	
Sampler	1		per test	1.00	12,30	12.30	7.50
Sampler Maliata	2		per test		92.00	93.00	7.50
Vehicle			per trip	1.00	83,00	83.00	41.50
Vehicle	1	41.50	per trip	1,00			41.50
Calculated cost per occurrence					\$420.89	\$469.89	\$191,35
Calculated cost per occurrence					\$420.89	\$469.89	
Times: Number of annual tests					4	4	
Cost of annual testing					1,683,56	1,879.56	
Divided by: Billing periods per yea	r				12	12	
Calculated Evaluation Charge	Per Month				\$140,30	\$156.63	
Pro Forma Revenue Number of sampling points Times: Number of billing periods per year					11 12	47 12	
Total annual bills/test year grab samples				Total	132	564	40
Times: Calculated evaluation charge (p			_		\$140.30	\$156.63	\$191.35
Pro forma revenue	,			\$114,513	\$18,520	\$88,339	\$7,654
			-				

#### CALCULATION OF PRO FORMA BULK WASTE CHARGES

Test year waste components treated (in pounds) (page 36): Suspended solids BOD Phosphorus Ammonia Total pounds treated	31,175,571 23,464,052 520,297 2,410,192 57,570,112	
Net allocated treatment expense (1) Divided by: Total pounds treated (per above) Cost per pound	\$30,671,749 57,570,112 \$0.5328	
Estimated pounds of waste per load (2) Less: Domestic energy credit Less: Industrial process adjustment Adjusted pounds of waste per load Times: Cost per pound (per above)  Bulk Waste Charge per 1,000 Gallons	181.22 60% 108.73 \$0.5328	Industrial   689.58   30%   206.87   \$0.5328   \$110.22
Pro Forma Revenue: Total Charge per 1,000 gallons Times: Test year waste dumping (in 1,000 gallons) (page 14) Pro forma revenue \$256,583	\$57.93 2,420 \$140,191	\$110.22 1,056 \$116,392
(1) Costs allocated to treatment* (page 25)  Less: Pro forma waste evaluation charge revenue (page 34)  Net allocated treatment expense	\$30,786,262 (114,513) \$30,671,749	

<sup>\*</sup> Net cost before removing waste evaluation charges and bulk hauler revenue.

<sup>(2)</sup> Per information provided by Len Poehler via email on 7/29/2013.

# SUMMARY OF TREATMENT PLANT OPERATING STATISTICS FOR THE TWELVE MONTH PERIOD MAY 1, 2012 THROUGH APRIL 30, 2013 (Per Summary MRO Information Provided by Utility Management)

					TSS	<b>,</b>	BO	D	Phosph	orus	Ammo	mia
Month/Year	Days	Total Flow (MG)	Max Daily Flow (MGD)	Avg. Daily Flow (MGD)	Daily Avg. (MG/L)	Pounds (1)						
May-12	31	1,145.00	57,09	36.94	259,23	2,460,647	217.06	2,001,463	4.92	45,887	22,13	206,695
Jun-12	30	965.63	42.62	32.19	296,03	2,441,224	263,00	2,129,682	5,23	42,016	27.13	216,737
Jul-12	31	1,111.08	56,01	35.84	339,06	3,322,776	244.06	2,229,822	4,57	42,119	20,64	188,516
Aug-12	31	1,161.49	58.93	37.47	324,65	3,492,999	228,97	2,211,321	4.52	43,629	20,91	198,005
Sep-12	30	1,036.88	61,78	34.56	260.60	2,299,651	205.37	1,750,094	4,71	40.134	23.68	200,341
Oct-12	31	1,217,63	63,50	39.28	196,45	2,022,474	192,35	1,879,546	4.28	42,523	22,02	213,032
Nov-12	30	922.59	53,64	30,75	193.60	1,524,035	229.67	1,764,240	4.67	35,816	26.70	202,276
Dec-12	31	1,036.01	66,99	33.42	235,45	2,193,061	228.48	1,965,480	4.92	43,005	25.61	214,793
Jan-13	31	1,510,76	71,25	48.73	342.58	4,902,920	168,42	1,990,139	4.87	61,743	18.05	206,028
Feb-13	28	1,155.61	72,16	41.27	208.11	2,064,447	186.46	1,734,096	4.50	42,621	20.24	186,818
Mar-13	31	1,861.83	70,92	60,06	140.81	2,149,668	135.55	2,101,247	2.89	43,954	13.85	209,816
Apr-13	30	1,760.11	71,01	58.67	163,57	2,301,669	121.77	1,706,922	2.75	36,850	12.40	167,135
Total		14,884.62			2,960,14	31,175,571	2,421.16	23,464,052	52.83	520,297	253.36	2,410,192

Divided by: Conversion to ccf 0.000748 \* CCF 19,899,225

<sup>\* 1</sup> ccf= 748 gallons (748/1,000,000)

<sup>(1)</sup> Conversion of MG/L to Pounds is calculated on a daily basis as daily inflow (raw) \* daily MG/L \* 8.34 (Conversion Factor)

FORT WAYNE (INDIANA) MUNICIPAL SEWAGE WORKS

CALCULATION OF CONVEYANCE RATES AND CHARGES

#### CALCULATION OF CONVEYANCE ALLOCATION FACTORS

	Miles of Main (1)		Capacity Miles (1)		Capacity Allocation
Totals	1,348.46		371,725.4	:	
Customers:					
Inside City Retail (2)	1,168.66		307,612.2		82.76%
Outside City Retail (2)	52.20		50,199.5	(5)	13.50%
Subtotal	1,220.86		357,811.7		96.26%
	Miles of Main	Capacity	Capacity Miles	. <u></u>	Capacity Allocation
Contract Customers (4)*	(3)	(3) 1,611.06	13,913.7		3.74%
Totals	1,348.46	1,611.06	371,725.4		100.00%

- (1) Per "Capacity Miles Calculation" as provided by Len Poehler on July 15, 2013. Includes 1.5" diameter pipe 126" diameter pipe.
- (2) Shown net of Contract Customers capacity miles.
- (3) Per "Wastewater Contract Customer Connection & Capacity Info. 9-6-13mw" file as provided by Utility on September 6, 2013.
- (4) Contract Customer detail available subject to submission of signed confidentiality agreement.
- (5) Outside City Retail is based on capacity miles plus a weighting factor in recognition of operation and maintenance of a collection system with lower density customer base and further travel times. This is offset to Inside City Retail.
- \* Contract Customers are those customers that meet the required Contract Customer Characteristics identified on page 3 of this report. If a customer does not meet the criteria identified on page 3, that customer will be considered a Retail Customer and charged accordingly.

#### SCHEDULE OF PRO FORMA EQUIVALENT DWELLING UNITS ("EDUs")

(Does Not Include Contract Customers)

#### INSIDE CITY RETAIL

		Annual	Equivalency	Pro Forma
Meter Size	Bills	Bills	Factor	Annual EDUs
	(1)	(2)	(3)	
5/8"-3/4"	71,131	853,572	1.0	853,572
1"	2,112	25,344	2.5	63,360
1 1/2"	705	8,460	5.8	49,068
2"	912	10,944	10.0	109,440
3"	242	2,904	23.0	66,792
4"	82	984	40.0	39,360
6"	56	672	91.0	61,152
8"	5	60	162.1	9,726
10"	2	24	253.2	6,077
Unmetered	2,119	25,427	1.0	(4) 25,427
Totals	77,366	928,391		1,283,974

#### **OUTSIDE CITY RETAIL**

		Annual	Equivalency		Pro Forma
Meter Size	Bills	Bills	Factor		Annual EDUs
	(1)	(2)	(3)		
5/8"-3/4"	7,345	88,140	1.0		88,140
1"	218	2,616	2.5		6,540
1 1/2"	35	420	5.8		2,436
2"	73	876	10.0		8,760
3"	14	168	23.0		3,864
4"	20	240	40.0		9,600
6"	11	132	91.0		12,012
8"	3	36	162.1		5,836
10"	-	-	253.2		-
Unmetered	2,201	26,411	1.0	(4)	26,411
Totals	9,920	119,039			163,599

- (1) Based on April 2013 billings.
- (2) April 2013 bills annualized for 12 months.
- (3) Based on diameter of line calculation:

Area =  $radius^2 x \Pi$ Area for 5/8" meter = 0.31

(4) Assumed at residential 3/4".

#### CALCULATION OF PRO FORMA CONVEYANCE FLOW RATE

Allocated Conveyance Expense

		Anocan	eu Conveyance Expense				
•	O&M, PILT	Debt Service -	Debt Service -	Less: Base		TY Normalized	Conveyance
	and Capital	Common to All (2)	Retail Only (2)	Rate Funded	Total	Flow	Charge
•	(1)	(1)	(1)	(3)		(in ccf)	(per ccf)
Allocated Conveyance Expenses (page 25)	\$11,811,117	\$13,705,682	\$584,078	(\$7,354,004)	\$18,746,873		
Inside City Retail	\$9,774,880	\$11,342,822	\$502,164	(\$5,922,493)	\$15,697,373	8,614,012	\$1.8223
Outside City Retail	1,594,501	1,850,267	81,914	(942,904)	2,583,778	1,134,491	2.2775
Contract Customers (4)(5)	421,067	488,607		(488,607)	421,067	1,600,150	Various
	\$11,790,448	\$13,681,696	\$584,078	(\$7,354,004)	\$18,702,218	11,348,653	

- (1) Allocated to customer classes based on capacity allocation percentages calculated on page 37. Retail only is allocated pro rata per calculated percentages.
- (2) Conveyance allocated debt service for the outstanding bonds is Common to All. Conveyance allocated debt service for the 2015 Bonds is split based on allocations calculated on page 77.
- (3) Approximately 50.0% of the debt service component of the conveyance charge will be recovered via a monthly base fee for retail customers and 100% of the debt service component of the conveyance charge will be recovered via a monthly base fee for Contract Customers in order to align the proposed penalty structure with the base charge paid for capacity.
- (4) Contract Customers are those customers that meet the required Contract Customer Characteristics identified on page 3 of this report. If a customer does not meet the criteria identified on page 3, that customer will be considered a Retail Customer and charged accordingly.
- (5) Contract Customer detail available subject to submission of signed confidentiality agreement.

## CALCULATION OF PRO FORMA CONVEYANCE BASE CHARGE

		Inside City Retail	Outside City Retail
Allocated Debt Service Conveyance Expenses (page 39) Divided by: Annual EDUs (page 38)  Monthly Conveyance Base Charge Per EDU		\$5,922,493	\$942,904
		1,283,974	163,599
		\$4.61	\$5.76
Monthly Conveyance Base Charg	e:		
Meter Size	Equivalency Factor		
5/8"-3/4"	1.0	\$4.61	\$5.76
1"	2.5	11.53	14.40
1 1/2"	5.8	26.74	33.41
2"	10.0	46.10	57.60
3"	23.0	106.03	132.48
4"	40.0	184.40	230.40
6"	91.0	419.51	524.16
8"	162.1	747.28	933.70
10"	253.2	1,167.25	1,458.43
Unmetered	1.0	4.61	5.76
	Peak Flow Allowed	Annual Charge	Monthly Charge
	(gpm)		
Contract Customers (1)(2)	Various	Various	Various

<sup>(1)</sup> Contract Customers are those customers that meet the required Contract Customer Characteristics identified on page 3 of this report. If a customer does not meet the criteria identified on page 3, that customer will be considered a Retail Customer and charged accordingly.

<sup>(2)</sup> Contract Customer detail available subject to submission of signed confidentiality agreement.

FORT WAYNE (INDIANA) MUNICIPAL SEWAGE WORKS

<u>CALCULATION OF BILLING CHARGE AND FLAT RATE CHARGE</u>

#### **CALCULATION OF PRO FORMA BILLING CHARGE**

Total Allocated Billing Expenses (page 25)	\$4,513,122
Divided by: Equivalent bills (1)	1,077,255
Inside City Billing Charge - per month	\$4.19
Incide City Pilling Change nor month	\$4.19
Inside City Billing Charge - per month	·
Plus: 25% Outside City surcharge	125%
Outside City Billing Charge - per month	\$5.24
(1) Outside City customer bills (page 13)	120,398
Plus: 25% outside City surcharge	125%
Equivalent Outside City bills	150,498
Plus: Inside City bills (page 12)	926,757_
Equivalent annual bills	1,077,255

#### CALCULATION OF PRO FORMA FLAT RATE MONTHLY CHARGE

·	Inside City	Outside City
Retail treatment rate (per ccf) (page 32)	\$2.5983	\$3.2479
Plus: Retail conveyance rate (per ccf) (page 39)	1.8223	2.2775
Subtotal	4.4206	5.5254
Times: Estimated flow per unmetered customer (in ccf)	9.0	9.0
Monthly unmetered flow charge	39.79	49.73
Plus: Monthly conveyance base charge (page 40)**	4.61	5.76
Plus: Monthly billing charge (page 41)	4.19	5.24
Calculated flat rate monthly charge	\$48.59	\$60.73

<sup>\*\*</sup> Based on 5/8"" - 3/4"" meter size.

# FORT WAYNE (INDIANA) MUNICIPAL SEWAGE WORKS $\underline{\text{SUMMARY OF RATES}}$

#### SCHEDULE OF PRESENT AND PROPOSED RATES AND CHARGES

Part		-	Procest D	rates (1)	Proposed Rates						
Each   Measure   City		Unit of									
Result Metero Reter   Resilement   Result Metero Reter   Resilement											
Residentic	Retail Customers:										
Treatment	Retail Metered Rates:										
Compagnee   per cof   2,2372   2,7965   1,4223   2,2776   1,000   2,000   7,000   1,											
Total per cef \$43.599 \$3.4450 \$43.050 \$3.5256 \$3.5256 \$10.00000000000000000000000000000000000			4-1								
Treatment		•					(page 39)				
Testament		per cci	\$4,3539	\$3,4430	\$4.4206	\$3,3236					
Conveyance		par aaf	¢2 1107	226.485	\$2.5083	\$3.2478	(mnga 32)				
Total Industrial:  Treatment per cel \$43,399 85,4490 \$45,406 \$55,5256   Industrial:  Treatment per cel \$2,2172 2,2965 1,3221 2,2778   Industrial:  Treatment per cel \$2,2172 2,2965 1,3221 2,2778   Industrial:  Treatment per cel \$43,535 85,4450 \$45,426 \$55,5366   Total per cel \$43,535 85,4450 \$45,426 \$55,5366   Treatment per cel \$43,535 85,4450 \$45,426 \$55,5366   Treatment per cel \$43,535 85,4450 \$45,426 \$55,5366   Treatment per cel \$43,535 \$55,4450 \$45,426 \$55,5366   Treatment per cel \$43,455 \$55,4450 \$55,											
Principation   Prin							(1,120,11)				
Testament		F	*								
Conveyance		per ccf	\$2.1187	\$2.6485	\$2,5983	\$3.2478	(page 32)				
Total per cef \$43,559 \$5,4450 \$4,4206 \$5,5295 Total Institutional:  Treatment per cef \$2,1187 \$2,6465 \$2,5983 \$3,2478 (page 32) Total per cef \$2,1187 \$2,6465 \$1,3221 \$2,2778 (page 32) Total per cef \$4,5559 \$3,4450 \$4,4206 \$5,5255 \$3,4450 \$4,4206 \$3,4206				2,7965	1.8223	2.2778					
Testatement	Total	per ccf	\$4.3559	\$5,4450	\$4,4206	\$5.5256					
Conveyance	Institutional:										
Total Sales to Public Authorities: Treatment	Treatment	per ccf	\$2.1187								
Sales to Public Authorities:   Per cef   \$2.1187   \$2.26485   \$1.2321   \$2.2778   (page 37)	-	per ccf					(page 39)				
Total Conveyance		per ccf	\$4.3559	\$5.4450	\$4.4206	\$5,5256					
Conveyance		_					,				
Monthly Service Charge: (2)*   Monthly Service Charge: (2)*   Monthly Service Charge: (2)*   Monthly Service Charge: (3)*   Service Cha											
Monthly Service Charge: (2)*   Mater Size   Set 3-3d*   per meter   N/A   N/A   St. 8.50   S11.00   (pages 40 - 41)   1*   per netter   N/A   N/A   N/A   15.72   19.65   (pages 40 - 41)   11.2"   per netter   N/A   N/A   N/A   30.93   38.66   (pages 40 - 41)   2*   per meter   N/A   N/A   N/A   50.29   62.56   (pages 40 - 41)   3*   per meter   N/A   N/A   N/A   110.02   137.77   (pages 40 - 41)   4*   per meter   N/A   N/A   N/A   110.02   137.77   (pages 40 - 41)   4*   per meter   N/A   N/A   N/A   110.02   137.77   (pages 40 - 41)   6*   per meter   N/A   N/A   N/A   423.70   252.62   (pages 40 - 41)   10*   per meter   N/A   N/A   N/A   423.70   252.62   (pages 40 - 41)   10*   per meter   N/A   N/A   N/A   751.47   93.93   (pages 40 - 41)   10*   per meter   N/A   N/A   N/A   11.71, 4   19.45.33   (pages 40 - 41)   10*   per meter   N/A   N/A   N/A   1.171, 4   19.45.33   (pages 40 - 41)   10*   per meter   N/A   N/A   N/A   1.171, 4   19.45.33   (pages 40 - 41)   N/A							(page 39)				
Matest Size	1 of al	per cci	\$4,3539	\$3,4430	\$4.4206	\$3,3230					
Matest Size	Monthly Service Charges (2)*										
Sept. Sept											
1		ner majer	N/A	N/A	\$8.80	\$11.00	(nance 40 - 41)				
11/2"		•									
2°		•									
3°		•									
4"         per meter         N/A         N/A         188.59         235.73         Gogaes 40 - 41)           6"         per meter         N/A         N/A         123.70         529.62         (pages 40 - 41)           8"         per meter         N/A         N/A         175.14         393.33         (pages 40 - 41)           10"         per meter         N/A         N/A         1,717.44         1,464.30         (page 40 - 41)           Retail Monthly Billing Charge*         per bill         \$6.19         \$7.73         N/A         N/A           Flat Rate Monthly Charge:           Single Family Dwelling Unit         Per ERU/mo.         \$49.74         \$62.18         \$48.59         \$60.73         (page 42)           Monthly Evaluation Charge:           Type I Evaluation         per month         \$137.48         \$140.30         \$140.30         (page 34)           Evaluation Charge:           Type I Evaluation         per month         \$13.48         \$137.48         \$140.30         \$140.30         (page 34)           Evaluation Charge:         Type I Evaluation Charge:         Type I Evaluation Charge:         Type I Evaluation Charge: <td <="" colspan="4" td=""><td>3"</td><td>-</td><td></td><td>N/A</td><td>110.22</td><td>137.77</td><td></td></td>	<td>3"</td> <td>-</td> <td></td> <td>N/A</td> <td>110.22</td> <td>137.77</td> <td></td>				3"	-		N/A	110.22	137.77	
8° (10°)         per meter per meter per meter         N/A         N/A         751.47         91933         (peges 40 - 41)           Retail Monthly Billing Charge*         per bill         \$6.19         \$7.73         N/A         N/A           Flat Rate Monthly Charges         "Per ERU/mo."         \$49.74         \$62.18         \$48.59         \$60.73         (page 42)           Single Family Dwelling Unit Other ger         Per ERU/mo.         \$49.74         \$62.18         \$48.59         \$60.73         (page 42)           Monthly Evaluation Charges:         "Type 1 Evaluation         per month         \$137.48         \$137.48         \$140.30         \$140.30         (page 34)           Evaluation Charge:         "Type 1 Evaluation         per occurrence         \$412.43         \$412.43         \$40.89         \$420.89         (page 34)           Evaluation Charge:         "Type 1 Evaluation         per occurrence         \$412.43         \$412.43         \$40.89         \$420.89         (page 34)           Type 2 Evaluation         per occurrence         \$412.43         \$412.43         \$40.89         \$420.89         (page 34)           Evaluation Charge:         "Type 2 Evaluation of Waste Surcharge:         "Type 1 Evaluation of Waste Surcharge:         "Type 1 Evaluation of Waste Surcharge:         "Type 1 Evaluation	4ª	•	N/A	N/A	188.59	235,73					
Retail Monthly Billing Charge*	6"	per meter	N/A	N/A	423.70	529.62	(pages 40 - 41)				
Per Bell	8"	per meter	N/A	N/A	751.47	939,33	(pages 40 - 41)				
Flat Rate Monthly Charge:   Single Family Dwelling Unit Other   Per ERU/mo.   S49,74   \$62,18   \$48,59   \$60,73   (page 42)	10"	per meter	N/A	N/A	1,171.44	1,464.30	(pages 40 - 41)				
Single Family Dwelling Unit Other   Per ERU/mo.   S49,74   \$62.18   \$48.59   \$60.73   (page 42)	Retail Monthly Billing Charge*	per bill	\$6.19	\$7.73	N/A	N/A					
Single Family Dwelling Unit Other   Per ERU/mo.   S49,74   \$62.18   \$48.59   \$60.73   (page 42)	Flat Rate Monthly Charge:										
Monthly Evaluation Charge:   Type   Evaluation   per month   \$137.48   \$137.48   \$140.30   \$140.30   (page 34)     Type 2 Evaluation   per month   \$151.48   \$151.48   \$156.63   \$156.63   \$156.63   (page 34)     Evaluation Charge:		Per ERU/mo.	\$49.74	\$62.18	\$48,59	\$60,73	(page 42)				
Type   Evaluation   per month   \$137.48   \$137.48   \$140.30   \$1	-					estimated	40 /				
Type   Evaluation   per month   \$137.48   \$137.48   \$140.30   \$1											
Evaluation Charge:   Type   Evaluation   per nonth   151.48   151.48   156.63   156.63   (page 34)		.a	****	6149 40	47.40.00	<b>#140.20</b>					
Evaluation Charge:   Type   Evaluation   per occurrence   \$412.43   \$412.43   \$420.89   \$420.89   \$420.89   \$120.8											
Type   Evaluation	Type 2 Evaluation	per monin	151,48	131,48	136,63	130.03	(page 34)				
Type 2 Evaluation	Evaluation Charge:										
Excess Strength of Waste Surcharge:   Suspended Solids	Type I Evaluation	per occurrence	\$412.43	\$412.43	\$420.89		(page 34)				
Excess Strength of Waste Surcharge:   Suspended Solids		per occurrence									
Suspended Solids	Grab Compliance	per occurrence	166,86	166.86	191.35	191.35	(page 34)				
Suspended Solids	Liveana Strangth of Worte Surpharas										
Biochemical Oxygen Demand   per pound   0.1235   0.1235   0.1164   0.1164   (page 31)		per pound	\$0.0968	\$0.0968	\$0.1521	\$0.1521	(nage 31)				
Phosphorus											
Amariconia   per pound   0,3748   0,3748   0,2659   0,2659   (page 31)											
Present Rates and Charges:   Present Rates (1)   Proposed Rates (2)   Proposed Rates (3)   Proposed Rates (4)											
Cother Rates and Charges:   Zanesville Flat Rate Monthly Charge   Per ERU/mo.   \$67.00   \$72.73   Section   \$72.73   Section				Present		Proposed	,				
Monthly Capital Surcharge:   Neuhause Extension   Per ERU/mo.   \$20.00   \$20.00   \$20.00   Tiernan Shed B   Per ERU/mo.   \$22.50   \$22.5			_	Rates (1)		Rates					
Monthly Capital Surcharge:   Neuhause Extension	Other Rates and Charges:		_								
Neuhause Extension	Zanesville Flat Rate Monthly Charge	Per ERU/mo.		\$67.00		\$72,73					
Neuhause Extension	Monthly Capital Surcharge:										
Tiernan Shed B		Per ERU/mo.		\$20,00		\$20.00					
Rothman Road						22.50					
Southtown   Per ERU/mo.   4.00   4.00   20.0	Rothman Road	Per ERU/mo.		22,50							
Bulk Industrial Waste Charge:         20.00         20.00           Load         per 1,000 gations         \$91.34         \$110.22         (page 35)           Billing Charge         per month         6.19         4.19         (page 41)           Bulk Domestic Waste Charge:         Load         per 1,000 gations         \$54.77         \$57.93         (page 35)           Load         per 1,000 gations         \$54.77         \$57.93         (page 35)           Billing Charge         per month         6.19         4.19         (page 41)											
Bulk Industrial Waste Charge:  Load per 1,000 gations \$91.34 \$110.22 (page 35)  Billing Charge per month 6.19 4.19 (page 41)  Bulk Domestic Waste Charge:  Load per 1,000 gations \$54.77 \$57.93 (page 35)  Billing Charge per month 6.19 4.19 (page 41)											
Load         per 1,000 galtons         \$91.34         \$110.22         (page 35)           Billing Charge         per month         6.19         4.19         (page 41)           Bulk Domestic Waste Charge:         Load         per 1,000 galtons         \$54.77         \$57.93         (page 35)           Billing Charge         per month         6.19         4.19         (page 41)	Upper Ely	Per ERU/mo.		20.00		20.00					
Load         per 1,000 galtons         \$91.34         \$110.22         (page 35)           Billing Charge         per month         6.19         4.19         (page 41)           Bulk Domestic Waste Charge:         Load         per 1,000 galtons         \$54.77         \$57.93         (page 35)           Billing Charge         per month         6.19         4.19         (page 41)	Bulk Industrial Waste Charge:										
Billing Charge         per month         6.19         4.19         (page 41)           Bulk Domestic Waste Charge:         Load         per 1,000 gallons         \$54.77         \$57.93         (page 35)           Load Billing Charge         per month         6.19         4.19         (page 41)		per 1,000 gallons		\$91.34		\$110,22	(page 35)				
Bulk Domestic Waste Charge:           Load         per 1,000 gallons         \$54.77         \$57.93         (page 35)           Billing Charge         per month         6.19         4.19         (page 41)	Billing Charge			6.19		4.19	(page 41)				
Billing Charge per month 6.19 4.19 (page 41)							•				
Food Service Establishment Surcharge per ccf \$0.9248 \$1.0129 (page 33)											
	Food Service Establishment Surcharge	per ccf		\$0.9248		\$1.0129	(page 33)				

<sup>(1)</sup> Per Ordinance G-12-09 as amended by Bill No. S-10-06-12.
(2) Includes the conveyance base charge (page 40) and the monthly billing charge (page 41).

\* Applicable to Residential, Commercial, Industrial, Institutional and Sales to Public Authorities customer classes.

### CALCULATION OF PRO FORMA REVENUES AT PROPOSED RATES AND CHARGES

_	Pro for Rate			Time Billin Determi	g	-	Pro Forma Revenues
Retail metered flow rate - Inside C	ity	\$4.4206	per ccf		8,385,169	in ccf	\$37,067,477
Retail metered flow rate - Outside	City	\$5,5256	per ccf		896,792	in cof	4,955,315
Contract customers flow rate		various	percef		1,600,150	inecf	3,194,749
Monthly Service Charge:							
Meter Size	<u>Inside</u>	Outside		<u>Inside</u>	Outside	2 6 111	0.400.074
5/8"-3/4"	\$8.80		per meter	853,572		annuai bills	8,480,974
1 1/2"	\$15.72 \$30.93		per meter	25,344		annual bills annual bills	449,812 277,905
1 1/2" 2"	\$50.29		per meter	8,460 10,944		annual bills	605,439
3"	\$110.22		per meter per meter	2,904		annual bills	343,224
4"	\$188.59		per meter	984		annual bills	242,148
6"	\$423,70		per meter	672		annual bilis	354,636
8"	\$751.47		per meter	60		annual bills	78,904
10"	\$1,171.44	\$1,464,30		24		annual bills	28,115
10	\$1,171.44	\$1,404,30	per meter	24	_	annual onis	
Contract customer base rate		various	per month				489,044
Flat rate bills - Inside City		\$48.59	per month		25,427	annual bills	1,235,498
Flat rate bills - Outside City		\$60.73	per month		26,411	annual bilis	1,603,940
Monthly Evaluation Charge:							
Type 1		\$140.30	per month		132	annual bills	18,520
Type 2		\$156.63	per month		564	annoal bills	88,339
Per Occurrence Evaluation Charges	::						
Type 1		\$420.89	per occurrence	j	hichided in Monti	ily Above	N/A
Type 2		\$469.89	per occurrence	i	Included in Monti	ıly Above	N/A
Grab compliance		\$191.35	per occurrence		40	annual samples	7,654
Excess Strength of Waste:							
Suspended Solids			per pound		2,039,227	in pounds	310,166
Biochemical Oxygen Demand		\$0.1164	per pound		5,270,289	in pounds	613,462
Phosphorus		\$1.4990	per pound		19,058	in pounds	28,568
Ammonia		\$0,2659	per pound		110,916	in pounds	29,493
Zanesville		\$9.95	Per ERU/mo.		4,320	annual connections	42,984
Monthly Capital Surcharge:							
Neuhause Extension		\$20,00	Per ERU/mo.		8,076	annual connections	161,520
Tiernan Shed B		\$22.50	Per ERU/mo.		4,356	annual connections	98,010
Rothman Road		\$22.50	Per ERU/mo.			annual connections	39,150
Deer Track		\$47.95	Per ERU/mo.		300	annual connections	14,385
Southtown		\$4.00	Per ERU/mo.		144	annual connections	576
Bulk Industrial Waste Charge:							
Industrial			per 1,000 gallons		,	in 1,000 gallons	116,357
Domestic ·		\$57.93	per 1,000 gallons		2,420.49	in 1,000 gallons	140,219
Food service establishment surcharg	şe.	\$1.0129	per ccf		263,488	in cof	266,887
Plus: Estimated interest income (pa							79,419
Plus: Estimated connection fees (pa							770,000
Plus: Estimated developer fees (pag							53,309
Plus: Estimated engineering fees (p				•			78,256
Plus: Estimated forfeited discounts	a 0 ,						658,805
Plus: Estimated burden transfers (pa	age 25)						278,777
Totals							\$63,302,036
Total Pro Forma Revenue	Requirements (see	e page 23)					\$63,348,897
Variance (I)							(\$46,861)
Percentage							-0.07%

<sup>(1)</sup> Variance is due to Allen Co. RWSD reduction in capacity as anticipated via joint effort between City Utilities and Allen Co. RWSD to reduce Allen Co. RWSD available capacity to more closely match capacity needs.

#### FORECASTED FIVE-YEAR REVENUES VERSUS REVENUE REQUIREMENTS

(Amounts Rounded to the Nearest \$1,000)

	2015	2016	2017	2018	2019
Forecasted Revenues:					
Adjustable revenues (1)	\$56,014,000	\$59,454,000	\$64,493,000	\$69,644,000	\$75,233,000
Non-adjustable revenues (1)	2,275,000	3,895,000	3,895,000	3,895,000	3,895,000
Total Forecasted Revenues	58,289,000	63,349,000	68,388,000	73,539,000	79,128,000
Forecasted Expenses:					
Operation and maintenance (2)	24,170,000	26,046,000	27,261,000	27,803,000	28,508,000
Taxes other than income taxes	4,219,000	4,219,000	4,219,000	4,219,000	4,219,000
Annual debt service - current bonds (see page 76)	25,703,000	25,675,000	25,652,000	25,640,000	25,635,000
Proposed 2015 Bonds (see page 21)	1,745,000	4,969,000	4,990,000	5,001,000	5,007,000
Proposed 2017 Bonds (see page 49)			2,098,000	7,839,000	7,842,000
Proposed 2019 Bonds (see page 50)			•		2,591,000 *
Replacements and improvements (see page 18)	7,511,000	7,473,000	9,325,000	8,616,000	11,316,000
Total Forecasted Expenses	63,348,000	68,382,000	73,545,000	79,118,000	85,118,000
Additional Revenues Required	\$5,059,000	\$5,033,000	\$5,157,000	\$5,579,000	\$5,990,000
Approximate Percentage Rate Increase (3)	9.0%	8.5%	8.0%	8.0%	8.0%
Bond Coverage With Rate Increase	142.7%	138.2%	141,4%	133.4%	125,2%
Approximate Average Residential Impact % (3)		8.5%	8.0%	8.0%	8.0%
Approximate Contract Customer Impact % (3)		8.2%	6.2%	2.0%	5.5%

<sup>(1)</sup> Assumes for 2016 - 2019 excess strength, evaluation, capital, bulk waste, forfeited discounts and food service establishment rates are unchanged.

#### Additional Notes:

- Includes estimated annual customer growth of 200 customers (est. 250 customer growth less 50 customer migration loss). Estimated consumption is 6.7 ccf per customer and at outside retail rates.
- Debt service costs for future bonds are allocated to Contract Customers only as benefitted as a customer class.
- Flat rate charge is transitioned from being based on 9 ccf per month (2015), to 8.5 ccf (2016) and 8 ccf (2017-2019).

<sup>(2)</sup> Per management estimates.

<sup>(3)</sup> The proposed future rates are calculated based on COSS principles, resulting in the rate impact varying by customer class and specific contract customer. Contract Customers are those customers that meet the required Contract Customer Characteristics identified on page 3 of this report. If a customer does not meet the criteria identified on page 3, that customer will be considered a Retail Customer and charged accordingly.

<sup>\*</sup> Coverage requirements for the 2019 bonds may require a 2020 rate increase.

SCHEDULE OF PROPOSED FIVE-VEAR RATE PLAN (Includes Rounding Outside City Rates to 25% Above Inside City)

	Unit of										
	Measure			Inside City					Outside City		
Retail Customers:		(2015)	(2016)	(2017)	(2018)	(2019)	(2015)	(2016)	(2017)	(2018)	(2019)
Retail Metered Rates:											
Residential:											
Treatment	per ccf	\$2,5983	\$2,8643	\$3.0593	\$3.0797	\$3,2550	\$3.2478	\$3,5803	\$3.8241	\$3.8496	\$4,0687
Conveyance	per ccf	1.8223	1,9317	2,1184	2.3628	2.6091	2.2778	2.4146	2.6480	2.9535	3.2613
Total	per cof	\$4.4206	\$4,7960	\$5,1777	\$5,4425	\$5.8641	\$5.5256	\$5,9949	\$6,4721	\$6.8031	\$7.3300
Commercial:											
Treatment	per ccf	\$2,5983	\$2,8643	\$3,0593	\$3,0797	\$3,2550	\$3.2478	\$3,5803	\$3,8241	\$3.8496	\$4,0687
Conveyance	per ccf	1.8223	1.9317	2,1184	2,3628	2,6091	2.2778	2.4146	2,6480	2.9535	3,2613
Total	per ccf	\$4,4206	\$4.7960	\$5,1777	\$5,4425	\$5,8641	\$5,5256	\$5,9949	56.4721	\$6,8031	\$7,3300
Industrial:	•										
Treatment	per ccf	\$2,5983	\$2,8643	\$3,0593	\$3.0797	\$3,2550	\$3,2478	\$3.5803	\$3,8241	\$3.8496	\$4.0687
Conveyance	per ccf	1,8223	1,9317	2.1184	2,3628	2,6091	2.2778	2,4146	2,6480	2,9535	3,2613
Total	per ccf	\$4,4206	\$4.7960	\$5,1777	\$5,4425	\$5.8641	\$5.5256	\$5,9949	\$6,4721	\$6.8031	\$7,3300
Institutional:	per our	5 // 1200	<b>\$117500</b>	Ψο,1777	40.4400	<b>\$2.00.11</b>	40.020	00.5545	40,472,2	40.0031	47,5500
Treatment	per ccf	\$2,5983	\$2,8643	\$3.0593	\$3,0797	\$3,2550	\$3,2478	\$3,5803	\$3,8241	\$3.8496	\$4,0687
Conveyance	per cof	1,8223	1,9317	2.1184	2.3628	2,6091	2.2778	2,4146	2,6480	2.9535	3.2613
Total	per ccf	\$4,4206	\$4,7960	\$5,1777	\$5,4425	\$5,8641	\$5,5256	\$5,9949	\$6,4721	\$6.8031	\$7,3300
Sales to Public Authorities:	ber cer	\$4.4200	Φ4.770U	\$3,1///	J3.4423	\$3,00 <del>4</del> 1	\$3.3230	\$3,9949	30,4721	30.6031	\$7,25UU
Treatment		\$2,5983	\$2,8643	\$3,0593	\$3,0797	\$3,2550	02.2470	\$3.5803	00.0047	62.0406	64.070#
	per ccf						\$3.2478		\$3,8241	\$3,8496	\$4.0687
Conveyance	per ccf	1,8223 \$4,4206	1,9317	2.1184	2.3628	2.6091	2.2778	2,4146	2.6480	2,9535	3,2613
Total	per ccf	\$4,4206	\$4.7960	\$5.1777	\$5.4425	\$5.8641	\$5.5256	\$5,9949	\$6.4721	\$6,8031	\$7,3300
Monthly Service Charge:*											
Meter Size											
5/8"-3/4"	per meter	\$8,80	\$9.50	\$10.26	\$12.07	\$13.03	\$11.00	\$11.87	\$12,82	\$15.08	\$16.28
1"	per meter	15.72	17,24	18,96	23,43	25.50	19,65	21.54	23.70	29,28	31,87
1 1/2"	•	30,93	34,27	38.10	23.43 48.41	52.92					
	per meter						38,66	42.83	47,62	60.50	66,14
2" 3"	per meter	50,29	55.94	62.46	80,20	87.82	62,86	69,92	78.07	100,24	109,77
	per meter	110.22	123,02	137,86	178,61	195.85	137.77	153.77	172,32	223,26	244.81
4"	per meter	188.59	210.74	236,46	307.30	337,12	235,73	263.42	295,57	384,12	421.40
6"	per meter	423,70	473.90	532.26	693.37	760,93	529.62	592,37	665,32	866.71	951.16
8"	per meter	751,47	840,78	944.64	1,231.60	1,351,77	939.33	1,050,97	1,180.80	1,539.50	1,689.71
10"	per meter	1,171.44	1,310,85	1,473.02	1,921.22	2,108,81	1,464.30	1,638,56	1,841.27	2,401.52	2,636.01
		•									
Flat Rate Monthly Charge:											
Single Family Dwelling Unit	Per ERU/mo.	\$48.59	\$50,27	\$51.68	\$55,61	\$59.94	\$60.73	\$62.84	\$64.59	\$69.51	\$74,92
Other	Per ERU/mo.	estimated	estimated	estimated	estimated	estimated	estimated	estimated	estimated	estimated	estimated
Monthly Evaluation Charge:											
Type 1 Evaluation	per month	\$140.30	\$140,30	\$140.30	\$140,30	\$140.30	\$140.30	\$140,30	\$140.30	\$140.30	\$140.30
Type 2 Evaluation	per month	156,63	156,63	156,63	156.63	156,63	156,63	156,63	156.63	156.63	156,63
Type 2 Evaluation	per monur	150,05	130,03	130,03	130.03	150,05	130,03	130,03	136.63	156.65	136,63
Evaluation Charge;											
Type I Evaluation	per occurrence	\$420,89	\$420.89	\$420.89	\$420.89	\$420,89	\$420.89	\$420,89	\$420,89	\$420.89	\$420.89
Type 2 Evaluation	per occurrence	469.89	469,89	469.89	469.89	469,89	469.89	469.89	469.89	469.89	469.89
Grab Compliance	per occurrence	191.35	191,35	191,35	191.35	191.35	191,35	191.35	191.35	191,35	191,35
Excess Strength of Waste Surcharge:											
Suspended Solids	per pound	\$0.1521	\$0,1521	\$0,1521	\$0,1521	\$0,1521	\$0.1521	\$0,1521	\$0,1521	\$0.1521	\$0.1521
Biochemical Oxygen Demand	per pound	0.1164	0,1164	0.1164	0.1164	0.1164	0.1164	0.1164	0.1164	0.1164	0.1164
Phosphorus	per pound	1.4990	1.4990	1,4990	1,4990	1.4990	1,4990	1,4990	1.4990	1.4990	1.4990
Ammonia		0.2659	0.2659	0,2659	0,2659	0,2659	0.2659	0,2659	0,2659	0.2659	0.2659
Aminoma	per pound	0.2039	0.2039	0,2039	0,2009	0.4039	0.2059	0,2639	0.4639	0.4039	0.2039

<sup>\*</sup> Applicable to Residential, Commercial, Industrial, Institutional and Sales to Public Authorities customer classes.

(Continued on next page)

(Cont'd)

SCHEDULE OF PROPOSED FIVE-YEAR RATE PLAN (Includes Rounding Outside City Rates to 25% Above Inside City)

	Unit of										
	Measure			Inside City					Outside City		
Other Rates and Charges:		(2015)	(2016)	(2017)	(2018)	(2019)	(2015)	(2016)	(2017)	(2018)	(2019)
Zanesville Flat Rate Monthly Charge (1)	Per ERU/mo.	,				_	\$72.73	\$77.84	\$79.59	\$84.51	\$74,92
Monthly Capital Surcharge:											
Neuhause Extension	Per ERU/mo.						\$20.00	\$20,00	\$20.00	\$20,00	\$20.00
Tiernan Shed B	Per ERU/mo.						22,50	22,50	22,50	22.50	22,50
Rothman Road	Per ERU/mo.						22,50	22,50	22,50	22.50	22,50
Deer Track	Per ERU/mo.						47.95	47.95	47,95	47.95	47.95
Southtown	Per ERU/mo,						4.00	4.00	4.00	4.00	4.00
Upper Ely	Per ERU/mo.						20,00	20.00	20,00	20.00	20,00
Bulk Industrial Waste Charge:											
Load	per 1,000 gallons						\$110,22	\$110.22	\$110,22	\$110,22	\$110.22
Billing Charge	per month						4,19	4.19	4.19	4.19	4.19
Bulk Domestic Waste Charge:											
Load	per 1,000 gallons						\$57.93	\$57.93	\$57.93	\$57,93	\$57.93
Billing Charge	per month						4.19	4,19	4.19	4.19	4,19
Food Service Establishment Surcharge	per ccf						\$1,0129	\$1.0129	\$1,0129	\$1,0129	\$1.0129

(1) December on Outside	in City Pint Buts was PRILA Co.	deal Complement associated by	City Utilities on 3/7/14 as follows:

2015	\$12.00
2016	\$15.00
2017	\$15.00
2018	\$15,00
2019	\$0,00

(Continued on next page)

#### ESTIMATED SOURCES AND USES OF FUNDS

	Proposed 2017 Bond		Proposed 2019 Bond	
Estimated Uses of Funds:	<u> </u>	_	····	•
Construction costs - 2017 (page 19)	\$38,300,000			
Construction costs - 2018 (page 19)	45,050,000			
Construction costs - 2019 (page 19)			\$42,990,000	
Construction costs - 2020 (page 19)			51,900,000	
Underwriter's discount (1%)	915,500		1,044,200	
Bond issuance costs (bond counsel, financial advisor, local legal)	100,000		100,000	
Bond rating costs	20,000		20,000	
Debt service reserve (to fully fund open market reserve)	6,962,000	*	8,268,369	*
Contingencies and rounding	202,500		97,431	
Total estimated uses of funds	\$91,550,000	. =	\$104,420,000	í
Estimated Sources of Funds:				
Proposed Sewage Works Revenue Bonds of 2017	\$91,550,000			
Proposed Sewage Works Revenue Bonds of 2019		_	\$104,420,000	,
Total estimated sources of funds	\$91,550,000		\$104,420,000	

<sup>\*</sup> Based on 125% of estimated combined average annual debt service.

### SCHEDULE OF AMORTIZATION OF \$91,550,000 PRINCIPAL AMOUNT OF PROPOSED SEWAGE WORKS REVENUE BONDS OF 2017

Principal payable annually on August 1, beginning August 1, 2018.

Interest payable semiannually on February 1st and August 1st, beginning February 1, 2018.

Assumed interest rates based on MMD "A" scale as of 9/6/13 + 100 basis points.

Assumes bonds are dated March 1, 2017.

Payment	Principal	Assumed Interest		Debt Service		Bond Year
Date	Balance	Rates	Principal	Interest	Total	Total
	(In \$1,000's)	(%)	(In \$1,000's)	(	In Dollars	)
8/1/2017	\$91,550			\$2,097,666.67	\$2,097,666.67	\$2,097,666.67
2/1/2018	91,550			2,517,200.00	2,517,200.00	
8/1/2018	91,550	3.10	\$2,805	2,517,200.00	5,322,200.00	7,839,400.00
2/1/2019	88,745			2,473,722.50	2,473,722.50	•
8/1/2019	88,745	3.50	2,895	2,473,722.50	5,368,722,50	7,842,445.00
2/1/2020	85,850			2,423,060.00	2,423,060.00	
8/1/2020	85,850	3.95	2,995	2,423,060.00	5,418,060.00	7,841,120.00
2/1/2021	82,855			2,363,908.75	2,363,908.75	
8/1/2021	82,855	4.30	3,115	2,363,908.75	5,478,908.75	7,842,817.50
2/1/2022	79,740			2,296,936.25	2,296,936.25	
8/1/2022	79,740	4,55	3,245	2,296,936.25	5,541,936.25	7,838,872.50
2/1/2023	76,495			2,223,112.50	2,223,112.50	
8/1/2023	76,495	4.80	3,395	2,223,112.50	5,618,112.50	7,841,225.00
2/1/2024	73,100			2,141,632.50	2,141,632.50	
8/1/2024	73,100	5.00	3,555	2,141,632.50	5,696,632.50	7,838,265.00
2/1/2025	69,545			2,052,757.50	2,052,757.50	
8/1/2025	69,545	5.20	3,735	2,052,757.50	5,787,757.50	7,840,515,00
2/1/2026	65,810			1,955,647.50	1,955,647.50	
8/1/2026	65,810	5.35	3,930	1,955,647.50	5,885,647.50	7,841,295.00
2/1/2027	61,880			1,850,520.00	1,850,520.00	
8/1/2027	61,880	5.50	4,140	1,850,520.00	5,990,520.00	7,841,040.00
2/1/2028	57,740			1,736,670.00	1,736,670.00	
8/1/2028	57,740	5,65	4,370	1,736,670.00	6,106,670.00	7,843,340.00
2/1/2029	53,370			1,613,217.50	1,613,217.50	
8/1/2029	53,370	5.75	4,615	1,613,217.50	6,228,217.50	7,841,435.00
2/1/2030	48,755			1,480,536.25	1,480,536.25	
8/1/2030	48,755	5,90	4,880	1,480,536.25	6,360,536,25	7,841,072.50
2/1/2031	43,875			1,336,576.25	1,336,576.25	
8/1/2031	43,875	5.95	5,170	1,336,576.25	6,506,576.25	7,843,152.50
2/1/2032	38,705			1,182,768.75	1,182,768.75	
8/1/2032	38,705	6.05	5,475	1,182,768.75	6,657,768.75	7,840,537.50
2/1/2033	33,230			1,017,150.00	1,017,150.00	
8/1/2033	33,230	6.10	5,805	1,017,150.00	6,822,150.00	7,839,300.00
2/1/2034	27,425	6.10	3,075 *	840,097.50	3,915,097.50	
8/1/2034	24,350	6.10	3,175 *	746,310.00	3,921,310.00	7,836,407.50
2/1/2035	21,175	6,10	3,265 *	649,472.50	3,914,472,50	
8/1/2035	17,910	6.10	3,370 *	549,890.00	3,919,890.00	7,834,362.50
2/1/2036	14,540	6.15	3,470 *	447,105.00	3,917,105.00	
8/1/2036	11,070	6.15	3,580 *	340,402.50	3,920,402.50	7,837,507.50
2/1/2037	7,490	6.15	3,685 *	230,317.50	3,915,317.50	
8/1/2037	3,805	6.15	3,805 *	117,003.75	3,922,003.75	7,837,321.25
	Totals		\$91,550	\$67,349,097.92	\$158,899,097.92	\$158,899,097.92

Average annual debt service for bond years ending 8/1/2018 - 8/1/2037

\$7,840,071.56

<sup>\*</sup> Assumes transition to semiannual principal payments after 2013 bonds are paid off (will result in interest cost savings).

#### SCHEDULE OF AMORTIZATION OF \$104,420,000 PRINCIPAL AMOUNT OF PROPOSED SEWAGE WORKS REVENUE BONDS OF 2019

Principal payable annually on August 1, beginning August 1, 2020.

Interest payable semiannually on February 1st and August 1st, beginning February 1, 2020.

Assumed interest rates based on MMD "A" scale as of 9/6/13 + 100 basis points.

Assumes bonds are dated March 1, 2019.

		Assumed Interest		Bond Year			
Date	Balance	Rates		Principal	Debt Service Interest	Total	Total
	(In \$1,000's)	(%)		(In \$1,000's)	(	In Dollars	)
8/1/2019	\$104,420				\$2,590,557.29	\$2,590,557,29	\$2,590,557.29
2/1/2020	104,420				3,108,668.75	3,108,668.75	
8/1/2020	104,420	3,95		\$525	3,108,668.75	3,633,668.75	6,742,337.50
2/1/2021	103,895				3,098,300.00	3,098,300.00	
8/1/2021	103,895	4.30		550	3,098,300.00	3,648,300.00	6,746,600.00
2/1/2022	103,345				3,086,475.00	3,086,475.00	
8/1/2022	103,345	4,55		575	3,086,475.00	3,661,475.00	6,747,950.00
2/1/2023	102,770				3,073,393.75	3,073,393.75	
8/1/2023	102,770	4.80		595	3,073,393.75	3,668,393.75	6,741,787.50
2/1/2024	102,175				3,059,113.75	3,059,113.75	
8/1/2024	102,175	5.00		630	3,059,113.75	3,689,113.75	6,748,227.50
2/1/2025	101,545				3,043,363.75	3,043,363.75	
8/1/2025	101,545	5.20		660	3,043,363.75	3,703,363.75	6,746,727.50
2/1/2026	100,885				3,026,203.75	3,026,203,75	
8/1/2026	100,885	5.35		2,095	3,026,203.75	5,121,203.75	8,147,407.50
2/1/2027	98,790				2,970,162.50	2,970,162.50	
8/1/2027	98,790	5.50		5,835	2,970,162.50	8,805,162.50	11,775,325,00
2/1/2028	92,955				2,809,700.00	2,809,700.00	
8/1/2028	92,955	5.65		5,475	2,809,700.00	8,284,700.00	11,094,400.00
2/1/2029	87,480				2,655,031.25	2,655,031.25	
8/1/2029	87,480	5.75		5,785	2,655,031.25	8,440,031.25	11,095,062.50
2/1/2030	81,695				2,488,712.50	2,488,712.50	
8/1/2030	81,695	5.90		6,115	2,488,712.50	8,603,712.50	11,092,425.00
2/1/2031	75,580				2,308,320.00	2,308,320.00	
8/1/2031	75,580	5.95		6,475	2,308,320.00	8,783,320.00	11,091,640.00
2/1/2032	69,105				2,115,688.75	2,115,688.75	
8/1/2032	69,105	6.05		6,860	2,115,688.75	8,975,688,75	11,091,377.50
2/1/2033	62,245				1,908,173.75	1,908,173.75	
8/1/2033	62,245	6.10		7,275	1,908,173.75	9,183,173.75	11,091,347.50
2/1/2034	54,970	6.10	*	3,860	1,686,286.25	5,546,286,25	
8/1/2034	51,110	6.10	*	3,980	1,568,556.25	5,548,556.25	11,094,842.50
2/1/2035	47,130	6.10	*	4,100	1,447,166.25	5,547,166,25	
8/1/2035	43,030	6,10	*	4,225	1,322,116.25	5,547,116.25	11,094,282,50
2/1/2036	38,805	6.15	*	4,355	1,193,253.75	5,548,253.75	
8/1/2036	34,450	6.15	*	4,485	1,059,337.50	5,544,337.50	11,092,591.25
2/1/2037	29,965	6.15	*	4,625	921,423.75	5,546,423.75	
8/1/2037	25,340	6.15	*	4,765	779,205.00	5,544,205.00	11,090,628.75
2/1/2038	20,575	6.15	*	4,910	632,681.25	5,542,681.25	
8/1/2038	15,665	6.15	÷	5,065	481,698.75	5,546,698.75	11,089,380.00
2/1/2039	10,600	6.15	*	5,220	325,950.00	5,545,950.00	
8/1/2039	5,380	6.15	*	5,380	165,435.00	5,545,435.00	11,091,385.00
	Totals		_	\$104,420	\$91,676,282.29	\$196,096,282.29	\$196,096,282.29

Average annual debt service for bond years ending 8/1/2020 - 8/1/2025

\$6,745,605.00

Note: The possibility of wrapping these bonds around the existing debt could reduce immediate rate impact.

<sup>\*</sup> Assumes transition to semiannual principal payments after 2013 bonds are paid off (will result in interest cost savings).

#### PROPOSED SCHEDULE OF COMBINED BOND AMORTIZATION

Payment Date	Currently Outstanding Bonds	Proposed 2015 Bonds	Proposed 2017 Bonds	Proposed 2019 Bonds	Total	Bond Year Total
	(Page 76)	(Page 21)	(Page 49)	(Page 50)		B-12-1-7
9/1/2012	\$1.4 PAG 450 34				¢14 900 459 36	¢14 900 459 96
8/1/2013 2/1/2014	\$14,809,458.26 4,664,220.23				\$14,809,458.26 4,664,220.23	\$14,809,458.26
8/1/2014	21,065,277.23				21,065,277.23	25,729,497.46
2/1/2015	4,449,898.11				4,449,898.11	23, 129,491.40
8/1/2015	21,253,510.11				21,253,510.11	25,703,408.22
2/1/2016	4,228,514.84	\$2,094,271.25			6,322,786.09	25,705,406.22
8/1/2016	21,446,562.84	2,874,271.25			24,320,834.09	30,643,620.18
2/1/2017	4,001,069.87	2,087,251.25	•		6,088,321.12	50,045,020.10
8/1/2017	21,650,511.87	2,902,251.25		4	24,552,763.12	30,641,084.24
2/1/2018	3,767,316.02	2,077,878.75	\$2,517,200.00	•	8,362,394.77	50,011,001.21
8/1/2018	21,872,191.02	2,922,878.75	5,322,200.00		30,117,269.77	38,479,664.54
2/1/2019	3,524,319.30	2,065,837.50	2,473,722.50		8,063,879,30	50,115,001.51
8/1/2019	22,110,750.30	2,940,837.50	5,368,722,50	\$2,590,557.29	33,010,867.59	41,074,746.89
2/1/2020	3,267,266,97	2,051,618.75	2,423,060.00	3,108,668,75	10,850,614.47	11,01 1,1 10105
8/1/2020	22,354,467.97	2,971,618,75	5,418,060.00	3,633,668.75	34,377,815,47	45,228,429.94
2/1/2021	3,002,423.88	2,034,598.75	2,363,908.75	3,098,300.00	10,499,231.38	10,220, 12313 .
8/1/2021	22,618,698.88	2,984,598,75	5,478,908.75	3,648,300.00	34,730,506.38	45,229,737.76 *
2/1/2022	2,728,424.46	2,015,361,25	2,296,936.25	3,086,475.00	10,127,196.96	,,
8/1/2022	22,892,173,46	3,005,361.25	5,541,936.25	3,661,475,00	35,100,945.96	45,228,142.92
2/1/2023	2,444,807.31	1,994,076.25	2,223,112.50	3,073,393.75	9,735,389,81	,,
8/1/2023	21,054,531.31	5,149,076.25	5,618,112.50	3,668,393.75	35,490,113.81	45,225,503.62
2/1/2024	2,167,323.99	1,922,300.00	2,141,632.50	3,059,113.75	9,290,370.24	, ,
8/1/2024	21,370,624.99	5,182,300.00	5,696,632,50	3,689,113.75	35,938,671.24	45,229,041,48
2/1/2025	1,874,317.86	1,844,875.00	2,052,757,50	3,043,363.75	8,815,314.11	
8/1/2025	21,711,908.86	5,209,875,00	5,787,757.50	3,703,363,75	36,412,905.11	45,228,219,22
2/1/2026	1,538,561.98	1,761,591.25	1,955,647,50	3,026,203,75	8,282,004.48	, ,
8/1/2026	19,322,267,98	6,616,591,25	5,885,647.50	5,121,203,75	36,945,710.48	45,227,714.96
2/1/2027	1,233,115.23	1,637,788.75	1,850,520.00	2,970,162.50	7,691,586.48	, ,
8/1/2027	16,003,880.23	6,737,788.75	5,990,520,00	8,805,162,50	37,537,351.48	45,228,937.96
2/1/2028	967,339.63	1,503,913.75	1,736,670.00	2,809,700.00	7,017,623.38	, ,
8/1/2028	13,048,226.63	6,873,913.75	6,106,670,00	8,284,700.00	34,313,510.38	41,331,133.76
2/1/2029	755,992.69	1,358,923.75	1,613,217.50	2,655,031.25	6,383,165,19	
8/1/2029	13,236,195.69	7,013,923.75	6,228,217.50	8,440,031.25	34,918,368.19	41,301,533,38
2/1/2030	537,102.82	1,203,411.25	1,480,536,25	2,488,712.50	5,709,762.82	
8/1/2030	13,437,946,82	7,173,411,25	6,360,536.25	8,603,712.50	35,575,606.82	41,285,369.64
2/1/2031	310,281.55	1,034,758.75	1,336,576.25	2,308,320.00	4,989,936.55	
8/1/2031	7,949,281.55	7,339,758.75	6,506,576.25	8,783,320.00	30,578,936,55	35,568,873.10
2/1/2032	194,309.30	855,066.25	1,182,768.75	2,115,688.75	4,347,833.05	
8/1/2032	5,931,309.30	. 7,520,066,25	6,657,768.75	8,975,688.75	29,084,833.05	33,432,666.10
2/1/2033	95,971.88	661,781.25	1,017,150.00	1,908,173.75	3,683,076.88	
8/1/2033	5,390,971.88	7,706,781.25	6,822,150.00	9,183,173.75	29,103,076.88	32,786,153.76
2/1/2034		4,185,715.00	3,915,097.50	5,546,286.25	13,647,098.75	
8/1/2034		4,181,612.50	3,921,310.00	5,548,556.25	13,651,478.75	27,298,577.50
2/1/2035		4,184,438.75	3,914,472.50	5,547,166.25	13,646,077.50	
8/1/2035		4,183,901.25	3,919,890.00	5,547,116.25	13,650,907.50	27,296,985.00
2/1/2036			3,917,105.00	5,548,253.75	9,465,358.75	
8/1/2036			3,920,402.50	5,544,337.50	9,464,740.00	18,930,098.75
2/1/2037			3,915,317.50	5,546,423.75	9,461,741.25	
8/1/2037			3,922,003.75	5,544,205.00	9,466,208.75	18,927,950.00
2/1/2038				5,542,681.25	5,542,681.25	
8/1/2038				5,546,698.75	5,546,698.75	11,089,380.00
2/1/2039			•	5,545,950.00	5,545,950.00	
8/1/2039				5,545,435.00	5,545,435.00	11,091,385.00
Totals	\$416,283,325.10	\$140,066,275.00	\$156,801,431.25	\$196,096,282.29	\$909,247,313.64	\$909,247,313.64

<sup>\*</sup> Proposed maximum annual debt service.

# FORT WAYNE (INDIANA) MUNICIPAL SEWAGE WORKS UNAUDITED SUPPLEMENTAL FINANCIAL DATA

### COMPARATIVE STATEMENT OF NET POSITION (Unaudited)

	As of					
	12/31/2010	12/31/2011	12/31/2012	4/30/2013		
ASSETS:						
Current Assets:						
Operating cash and cash equivalents	\$6,427,628	\$9,217,439	\$4,920,027	\$4,740,314		
Customer accounts receivable (net)	5,127,373	6,723,098	5,817,508	5,852,789		
Interest receivable	6,222	43,717	1,816	10,899		
Due from City of Fort Wayne	11,185	200,338	273,785	7,125		
Interfund receivable	144,451	-	-	-		
Materials and supplies inventory	57,603	76,629	75,640	69,932		
Prepaid expenses	133,071	1,061,750	1,340,947	1,424,567		
Total Current Assets	11,907,533	17,322,971	12,429,723	12,105,626		
Noncurrent Assets:						
Restricted Assets:						
Sinking fund cash and cash equivalents	10,147,892	7,319,931	6,693,100	9,331,203		
Debt service reserve cash and cash equivalents	9,394,016	19,721,343	20,450,216	25,384,448		
Construction fund cash and cash equivalents	34,202,386	45,588,786	38,696,681	102,598,915		
Restricted fund (connection fees) cash and cash equivalents	115,637	143,360	115,270	76,651		
Cash light lease settlement cash and cash equivalents	1,040,549	-	-	-		
Other restricted cash and cash equivalents	10,000,000	1,593	11,096,718	11,096,718		
Net pension asset	172,058		-			
Total Restricted Assets	65,072,538	72,775,013	77,051,985	148,487,935		
Deferred Debits:						
Unamortized bond issuance costs	1,004,641	1,026,367	1,170,662	2,002,982		
Assessments receivable	100,794	1,263,570	1,140,538	1,089,036		
Total Deferred Debits	1,105,435	2,289,937	2,311,200	3,092,018		
Capital Assets:						
Depreciable capital assets:						
Distribution and collection system	234,800,217	256,477,324	270,856,743	271,554,515		
Buildings and improvements	120,162,588	118,041,945	118,654,612	118,769,831		
Equipment and other	84,117,329	72,374,791	75,691,634	75,792,008		
Less: accumulated depreciation	(141,967,035)	(134,738,036)	(144,480,566)	(147,867,373)		
Sub-totals	297,113,099	312,156,024	320,722,423	318,248,981		
Land	1,424,823	1,424,823	1,429,003	1,429,003		
Construction work in progress	23,018,688	31,894,835	63,222,521	77,365,090		
Net Capital Assets	321,556,610	345,475,682	385,373,947	397,043,074		
Total Assets	\$399,642,116	\$437,863,603	\$477,166,855	\$560,728,653		

(Continued on next page)

(Cont'd)

## COMPARATIVE STATEMENT OF NET POSITION (Unaudited)

	As of					
	12/31/2010	12/31/2011	12/31/2012	4/30/2013		
LIABILITIES:						
Current Liabilities:						
Accounts payable	\$6,003,820	\$4,802,565	\$7,096,836	\$3,690,419		
Due to City of Fort Wayne	812,786	976,586	822,221	2,040,883		
Interfund payable	1,407,780	1,018,497	276,858	276,928		
Compensated absences payable - current portion	423,682	435,285	428,296	428,583		
Other current liabilities	3,156,743	3,068,357	2,899,280	2,641,369		
Accrued interest payable	2,802,788	2,950,033	2,773,479	2,200,453		
Bonds payable - current portion	5,470,000	5,710,000	5,465,000	5,285,000		
Loans payable - current portion	4,064,929	5,061,576	5,056,304	5,056,304		
Total Current Liabilities	24,142,528	24,022,899	24,818,274	21,619,939		
	27,172,320	27,022,033	21,010,274			
Noncurrent Liabilities:	•					
Bonds payable, net of unamortized						
bond discount/premium (1)	80,247,544	112,627,694	137,029,894	212,142,743		
Loans payable (2)	79,202,925	75,457,673	78,777,879	86,557,626		
Compensated absences payable	448,785	472,992	498,696	498,996		
Total Noncurrent Liabilities	159,899,254	188,558,359	216,306,469	299,199,365		
Total Liabilities	184,041,782	212,581,258	241,124,743	320,819,304		
NET POSITION:						
Invested in capital assets, net of related debt	186,773,598	192,207,525	197,741,551	190,600,316		
Restricted for debt service	19,541,908	27,041,274	27,143,316	34,715,651		
Restricted for capital projects	115,637	143,360	115,270	76,651		
Unrestricted	9,169,191	5,890,186	11,041,975	14,516,731		
Total Net Position	215,600,334	225,282,345	236,042,112	239,909,349		
Total Liabilities and Net Position	\$399,642,116	\$437,863,603	\$477,166,855	\$560,728,653		
(1) 1998A Bonds 1998B Bonds	\$975,000 1,335,000					
2002B Bonds	6,898,683	\$5,824,62 i				
2002C Bonds 2003 Bonds	2,700,000 6,515,000	2,295,000 5,690,000	\$1,875,000 4,830,000			
2007 Bonds	20,860,000	19,930,000	18,960,000	\$18,960,000		
2019 Bonds	41,045,000	41,045,000	39,330,000	39,330,000		
2011A Bonds	-	38,100,000	38,100,000 15,530,000	38,100,000 15,530,000		
2012 B Bonds 2012 Refunding Bonds	-	•	18,175,000	18,175,000		
2013 A Bonds	<u>.</u>		•	32,355,000		
2013 B Bonds	-	=	=	42,260,000		
2013 Refunding Bonds Deferred Loss on Refunding	-	•	(283,536)	6,835,000 (478,047)		
Unamortized bond discount/premium	(281,139)	(256,927)	513,430	1,075,790		
Bonds payable, net of unamortized bond discount/premium	\$80,247,544	\$112,627,694	\$137,029,894	\$212,142,743		
(T))						
(2) 2002A SRF Loan 2005 SRF Loan	\$16,182,351 30,445,000	\$15,107,351 28,675,000	\$26,850,000	\$26,850,000		
2008 SRF Loan	582,000	471,000	356,000	356,000		
2009A SRF Loan	3,863,387	4,074,923	4,171,733	4,171,733		
2009B SRF Loan 2011B SRF Loan	28,130,187	27,129,399	26,086,978 17,330,835	26,086,978 21,984,073		
2012 A SRF Loon	Ī		3,982,333	7,108,842		
Loans payable	\$79,202,925	\$75,457,673	\$78,777,879	\$86,557,626		

# COMPARATIVE STATEMENT OF REVENUES, EXPENSES AND CHANGES IN NET POSITION

(Unaudited)

		Calendar Year Ended		12 Months Ended
	12/31/2010	12/31/2011	12/31/2012	4/30/2013
Operating Revenues:				
Metered Revenue:				
Residential	\$23,040,166	\$26,124,976	\$28,690,355	\$28,970,351
Commercial	8,684,087	9,482,631	10,756,155	11,221,507
Industrial	2,642,681	3,419,718	3,747,746	3,741,060
Institutional	1,818,861	2,223,184	2,646,110	2,665,481
Sales to public authorities	482,051	505,080	605,007	616,867
Sales for resale - metered sales	2,255,198	3,253,853	2,653,499	2,590,209
Excessive strength surcharges	1,255,825	927,715	936,471	892,298
Bulk haulers	220,379	208,840	232,203	230,803
Forfeited discounts	678,293	762,602	711,541	658,805
Surveillance - sales for resale	26,547	24,457	25,820	26,426
Capital surcharges	244,230	347,283	356,404	356,100
Miscellaneous revenue	(27,758)	(40,508)	(24,787)	37,246
Burden transfers	125,491	225,171	200,406	189,508
Total Operating Revenues	41,446,051	47,465,002	51,536,930	52,196,661
Operating Expenses:				
Collection system	4,569,851	4,810,575	4,822,445	5,037,136
Sewage treatment	7,499,775	7,707,329	10,320,236	10,264,926
Customer accounts	1,161,264	1,340,473	1,286,799	1,276,831
Administrative and general	6,187,786	6,742,513	6,866,096	7,063,019
volimizaranae and Senerai	0,187,780	0,742,313	0,000,090	7,005,015
Sub-totals	19,418,676	20,600,890	23,295,576	23,641,912
Depreciation expense	9,360,043	9,736,746	10,064,132	10,451,668
Total Operating Expenses	28,778,719	30,337,636	33,359,708	34,093,580
Net Operating Income	12,667,332	17,127,366	18,177,222	18,103,081
New Orac distribution (Francisco)				
Non-Operating Revenues (Expenses):	110.071	90.000	111 021	70.410
Interest income	112,971	89,205	111,271	79,419
Interest expense	(3,516,861)	(3,631,447)	(3,316,300)	(4,237,357)
Amortization expense	(116,278)	(151,456)	(241,098) 884,515	(303,035) 964,793
Connection fees	362,287 44,590	527,573 69,562	45,775	62,978
Developer fees	76,986	-	64,496	140,576
Engineering fees Tap fees	(1,230)	93,286 (2,260)	(4,310)	(3,457)
Miscellaneous non-operating revenue	729,516	3,177,558	381,119	233,161
Loss on abandonment	(284,159)	(1,546,844)	(144,966)	(183,228)
LOSS ON ADMINGNICAN	(204,137)	(1,540,044)	(141,700)	(103,220)
Total Non-Operating Revenues (Expenses)	(2,592,178)	(1,374,823)	(2,219,498)	(3,246,150)
Net Income Before Contributions and Transfers	10,075,154	15,752,543	15,957,724	14,856,931
Capital Contributions and (Transfers):				
Contributed capital and storm transfers	(24,742)	(2,669,869)	(1,576,314)	(1,622,602)
Payment in lieu of property taxes	(3,157,483)	(3,400,663)	(3,621,643)	(3,694,528)
i dynient in neu or property taxes	(3,137,463)	(3,400,003)	(3,021,043)	(3,034,328)
Total Capital Contributions and (Transfers)	(3,182,225)	(6,070,532)	(5,197,957)	(5,317,130)
Change in Net Position	6,892,929	9,682,011	10,759,767	9,539,801
Total Net Position - Beginning	208,707,405	215,600,334	225,282,345	230,369,548
Total Net Position - Ending	\$215,600,334	\$225,282,345	\$236,042,112	\$239,909,349

### COMPARATIVE DETAIL OF OPERATING EXPENSES (Unaudited)

				12 Months	
		Calendar Year Ended	10/21/2012	Ended	
Collection Systems	12/31/2010	12/31/2011	12/31/2012	4/30/2013	
Collection System: Salaries and wages	\$2,321,767	\$2,279,291	\$2,297,088	\$2,353,249	
Overtime	130,584	202,409	58,904	97,190	
Employee benefits	543,609	555,301	576,196	590,625	
Health insurance	534,600	561,000	649,000	649,000	
Unemployment	2,455	2,652	2,576	2,630	
Worker's compensation	35,643	41,981	30,932	29,711	
Office supplies	16,396	20,575	30,631	29,369	
Materials and supplies	201,862	237,648	241,504	259,550	
Fuel	139,379	219,741	164,278	159,821	
Chemicals	41,268	51,084	55,537	75,080	
	•		,	,	
Repairs and maintenance - materials	89,844	76,128	63,624	86,659	
Outside services	6,319	12,275	19,084	17,915 667	
Postage and freight	499	780	743		
Telephone	7,953	7,321	9,021	8,645	
Education and travel	14,550	9,168	9,556	14,214	
Miscellaneous	12,241	9,241	8,477	7,151	
Insurance	77,302	93,757	73,575	64,361	
Utilities	31,617	32,911	29,035	29,320	
Contractual services	347,176	384,099	484,449	541,072	
Rentals	13,501	12,021	17,274	20,085	
Subscriptions, dues and licenses	1,286	1,192	961	822	
Total Collection System	4,569,851	4,810,575	4,822,445	5,037,136	
Sewage Treatment:		•			
Salaries and wages	2,258,299	2,280,755	2,214,759	2,195,761	
Overtime	252,789	309,611	391,325	386,696	
Employee benefits	473,646	586,207	631,487	629,997	
Health insurance	514,800	520,200	601,800	601,800	
Unemployment	2,506	2,595	2,652	2,734	
Worker's compensation	34,915	37,229	27,430	26,114	
Office supplies	25,248	39,133	45,354	43,986	
Materials and supplies	138,933	196,226	213,904	186,751	
Fuel	252,436	294,030	292,136	277,640	
Laboratory supplies	40,873	35,971	60,108	56,119	
Chemicals	807,545	567,893	734,993	768,725	
Repairs and maintenance - materials	158,620	213,583	182,644	209,359	
Outside services	5,902	10,695	13,811	13,843	
Postage and freight	4,233	3,918	5,561	4,941	
Telephone	40,380	36,986	40,259	40,249	
Education and travel	13,340	5,137_	5,272	3,186	
Subtotal to carry forward	5,024,465	5,140,169	5,463,495	5,447,901	
Subtotal to carry for ward	5,024,405	2,170,103	J, TOJ, TJJ	5,111,701	

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### COMPARATIVE DETAIL OF OPERATING EXPENSES (Unaudited)

	(Unaudited)			
	C	Calendar Year Ended		12 Months Ended
	12/31/2010	12/31/2011	12/31/2012	4/30/2013
Subtotal carried forward	\$5,024,465	\$5,140,169	\$5,463,495	\$5,447,901
Sewage Treatment (cont'd):				
Miscellaneous	1,504	335	684	345
Insurance	170,049	188,261	178,616	174,938
Utilities	1,469,382	1,472,881	1,411,426	1,430,633
Contractual services	753,611	765,555	3,174,074 *	3,132,795
Rentals	9,600	55,379	9,920	9,895
Subscriptions, dues and licenses	26,734	24,306	24,538	24,668
Laboratory fees	42,955	58,023	56,163	43,751
Repairs and maintenance	1,475	2,420	1,320	
Total Sewage Treatment	7,499,775	7,707,329	10,320,236	10,264,926
Customer Accounts;				
Records and collections expense	1,161,264	1,340,473	1,286,799	1,276,831
Administrative and General:				
Salaries and wages	3,092,643	3,242,382	3,599,820	3,675,162
Overtime	1,307	-	-	-
Employee benefits	66,347	73,618	90,325	96,398
Health insurance	69,300	71,400	82,600	82,600
Unemployment	451	459	475	596
Worker's compensation	5,819	5,545	4,085	4,239
Education and travel	739	36	-	-
Subscriptions, dues and licenses	1,482	225	1,757	1,757
Office supplies	8,204	11,219		-
Materials and supplies	71,508	194,894	129,678	142,177
Outside services	562,701	1,117,061	358,635	270,980
Postage and freight	178	-	222	222
Miscellancous	111,109	22,854	18,304	18,208
Insurance	19,452	19,871	11,860	14,153
Contractual services	- -	61,111	68,689	68,689
Rentals	143,556	481	63,029	15,394
Paying agent fees	4,250	2,600	5,661	7,950
Services and charges - administrative allocation	1,760,622	1,750,042	1,916,409	2,146,348
Extraordinary PERF adjustment	, , , , , , , , , , , , , , , , , , ,	· · · ·	351,199	350,582
Bad debt expense	268,118	168,715	163,348	167,564
Total Administrative and General	6,187,786	6,742,513	6,866,096	7,063,019
Total Operating Expenses	\$19,418,676	\$20,600,890	\$23,295,576	\$23,641,912

<sup>\*</sup> Includes a one-time extraordinary expense for the past five years' productivity bonus. This has been normalized out of pro forma expenses.

#### COMPARATIVE STATEMENT OF CASH FLOWS

### Increase (Decrease) in cash and cash equivalents (Unaudited)

	Calendar Year Ended			12 Months Ended
	12/31/2010	12/31/2011	12/31/2012	4/30/2013
Cash flows from (to) operating activities:				
Cash received from customers	\$40,980,545	\$45,869,277	\$52,442,520	\$52,786,286
Cash paid to suppliers,				
employees and others	(18,260,907)	(23,953,579)	(22,410,947)	(21,594,932)
Net cash provided (used) by operating activities	22,719,638	21,915,698	30,031,573	31,191,354
Cash flows from (to) noncapital financing activities:				
Contributed capital and storm transfers	(24,742)	(2,669,869)	(1,576,314)	(1,622,602)
Contribution in lieu of property taxes	(3,157,483)	(3,400,663)	(3,621,643)	(3,694,528)
Net cash provided (used) by noncapital				
financing activities	(3,182,225)	(6,070,532)	(5,197,957)	(5,317,130)
Cash flows from (to) capital and related				
financing activities:				
Additions to utility plant	(31,194,257)	(33,655,818)	(49,962,397)	(52,387,166)
Principal paid on long-term debt	(8,500,776)	(9,534,929)	(10,771,576)	(11,110,285)
Proceeds from long-term debt	44,148,788	39,406,474	38,243,710	115,734,889
Debt issuance costs	(239,198)	(173,182)	(385,393)	(1,321,402)
Interest paid on long-term debt	(3,516,861)	(3,631,447)	(3,316,300)	(4,237,357)
Other income	1,212,149	3,865,719	1,371,595	1,398,051
Other expense	(284,159)	(1,546,844)	(144,966)	(183,228)
Net cash provided (used) by capital and				
related financing activities	1,625,686	(5,270,027)	(24,965,327)	47,893,502
Cash flows from (to) investing activities:				
Interest income	112,971	89,205	111,271	79,419
Cash and Cash Equivalents:				
Increase (decrease)	21,276,070	10,664,344	(20,440)	73,847,145
Beginning balance	50,052,038	71,328,108	81,992,452	79,381,104
Ending balance	\$71,328,108	\$81,992,452	\$81,972,012	\$153,228,249

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### COMPARATIVE STATEMENT OF CASH FLOWS

Increase (Decrease) in cash and cash equivalents (Unaudited)

	Calendar Year Ended			12 Months Ended
	12/31/2010	12/31/2011	12/31/2012	4/30/2013
Reconciliation of net operating income to cash provided (used) by operating activities:				
Net operating income	\$12,667,332	\$17,127,366	\$18,177,222	\$18,103,081
Adjustments to reconcile net operating income to net cash provided (used) by operating activities:				
Depreciation expense	9,360,043	9,736,746	10,064,132	10,451,668
Change in assets and liabilities: (Increase) Decrease in:				
Customer accounts receivable (net)	(465,506)	(1,595,725)	905,590	589,625
Due from City of Fort Wayne	11,486	(189,153)	(73,447)	185,717
Interfund receivable	(144,451)	144,451	-	-
Materials and supplies inventory	(11,063)	(19,026)	989	(1,228)
Net pension asset	126,391	172,058	· -	-
Prepaid expenses	(57,912)	(928,679)	(279,197)	(365,464)
Interest receivable	(6,222)	(37,495)	41,901	4,980
Assessments receivable	34,873	(1,162,776)	123,032	102,450
Increase (Decrease) in:				
Accounts payable	2,074,851	(1,201,255)	2,294,271	2,774,739
Due to City of Fort Wayne	(1,694,478)	163,800	(154,365)	(137,173)
Interfund payable	-	(389,283)	(741,639)	(700,970)
Compensated absences payable - current portion	31,862	11,603	(6,989)	(12,507)
Accrued interest payable	1,063,257	147,245	(176,554)	147,635
Other current liabilities	(306,187)	(88,386)	(169,077)	28,291
Compensated absences payable	35,362	24,207	25,704	20,510
Net cash provided (used) by operating activities	\$22,719,638	\$21,915,698	\$30,031,573	\$31,191,354

### COMPARISON OF ACCOUNT BALANCES WITH MINIMUM BALANCES REQUIRED

Accounts:	Account Balance at 4/30/2013	Minimum Balance Required (1)	Ref	Variance
Operation and maintenance fund	\$4,740,314	\$3,812,383	(2)	\$927,931
Sinking fund:				
Bond and interest account	9,331,203	9,331,207	(3)	(4)
Reserve account	25,384,448	25,134,139	(4)	250,309
Construction fund	102,598,915	102,598,915	(5)	-
Restricted fund (connection fees)	76,651	76,651	(6)	-
Other restricted cash and cash equivalents	11,096,718	11,096,718	(7)	
Totals	\$153,228,249	\$152,050,013		\$1,178,236

- (1) Minimum balance required by Bond Ordinance (Special Ordinance) No. S-65-09 and Bond Ordinance (Special Ordinance) No. S-105-12.
- (2) Per Section 11, the balance maintained in this fund shall be sufficient to pay the expenses of operation, repair and maintenance of the then next succeeding two calendar months.

Pro forma operating expenses (page 6)	· ·	\$22,869,722
Times two month factor		16.67%
Minimum balance required		\$3,812,383

(3) Per Section 12(b), the balance of this account should be equal to the accrued monthly transfers of 1/6th of the interest on all outstanding bonds payable on the then next succeeding interest payment date and 1/12th of the principal on all outstanding bonds payable on the then next succeeding principal payment date.

		Months		
	Amount	Factor	Balance	
2005 Bonds:			•	
Principal due 8/1/2013	\$1,825,000	9/12	\$1,368,750	
Interest due 8/1/2013	444,463	3/6	222,232	
2007 Bonds:				
Principal due 8/1/2013	970,000	9/12	727,500	
Interest due 8/1/2013	458,738	3/6	229,369	
2008 (Zanesville) Bonds:				
Principal due 8/1/2013	115,000	9/12	86,250	
Interest due 8/1/2013	4,710	3/6	2,355	
2009A Bonds:				
Principal due 8/1/2013	241,883	9/12	181,412	
Interest due 8/1/2013	3,531	3/6	1,766	
2009B Bonds:				
Principal due 8/1/2013	1,042,421	9/12	781,816	
Interest due 8/1/2013	564,292	3/6	282,146	
2010 Bonds:	•			
Principal due 8/1/2013	1,715,000	9/12	1,286,250	
Interest due 8/1/2013	912,338	3/6	456,169	
2011A Bonds:				
Principal due 8/1/2013	-	9/12	-	
Interest due 8/1/2013	533,400	3/6	266,700	
Subtotal to carry forward			5,892,715	

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(Cont'd)

\$25,134,139

### COMPARISON OF ACCOUNT BALANCES WITH MINIMUM BALANCES REQUIRED

Subtotal carried forward			\$5,892,715
2011B Bonds:			
Principal due 8/1/2013	1,379,000	9/12	1,034,250
Interest due 8/1/2013	370,705	3/6	185,353
2012A Bonds:			
Principal due 8/1/2013	453,000	8/11	329,455
Interest due 8/1/2013	92,694	3/6	46,347
2012B Bonds:			
Principal due 8/1/2013	*	5/8	-
Interest due 8/1/2013	180,075	3/6	90,038
2012 Refunding Bonds:		- 4-	
Principal due 8/1/2013	1,500,000	5/8	937,500
Interest due 8/1/2013	142,644	3/6	71,322
2013A Bonds:	(00.000	2/5	240.000
Principal due 8/1/2013	600,000	2/5	240,000
Interest due 8/1/2013	221,348	2/5	88,539
2013B Bonds: Principal due 8/1/2013		2/5	
Interest due 8/1/2013	513,954	2/5 2/5	205,582
2013 Refunding Bonds:	313,934	213	203,382
Principal due 8/1/2013	500,000	2/5	200,000
Interest due 8/1/2013	25,265	2/5	10,106
intelest due of 172015	20,200	415	10,100
Minimum balance required			\$9,331,207
A. Reserve Account Per Section 12(c), the balance to be maintained in the I exceed the least of:  (i) maximum annual debt service on the Prior Borissued in the future by the Sewage Works (not in account of the SRF Program)  (ii) 125% of the average annual debt service on the issued in the future by the Sewage Works (not in account of the SRF Program)  (iii) 10% of the proceeds of the Prior Bonds, the issued in the future by the Sewage Works (not inicaccount of the SRF Program)	nds, the Bonds and any parititially purchased by or for the Prior Bonds, the Bonds and titally purchased by or for the Bonds and any parity bonds.	y bonds e nd any parity bonds e	
(ii) 125% of the average annual debt service			\$17,337,516
B. SRF Reserve Account  Per Section 12(c), the balance to be maintained in the S maximum annual debt service on the Prior Bonds, the I purchased by or for the account of the SRF Program.		•	
Total SRF Reserve Required at 4/30/2013			7,672,913
C. Zanesville (2008) Bond Reserve The Zanesville reserve was assumed by Fort Wayne wh acquired. The reserve shown represents the reserve req SRF to utility dated May 27, 2008).			123,710

(5) Funds restricted for current construction projects.

Minimum balance required

- (6) Funds restricted for reinvestment into the areas in which the connection fees were received.
- (7) Restricted.

(4)

### SCHEDULE OF AMORTIZATION OF \$28,675,000 PRINCIPAL AMOUNT OF OUTSTANDING SEWAGE WORKS REVENUE BONDS, SERIES 2005

Principal payable Annually on August 1st.

Interest payable semiannually on February 1st and August 1st.

Payment	Principal	Interest		Debt Service		Bond Year
Date	Outstanding	Rate	Principal	Interest	Total	Total
	(In \$1,000's)	(%)	(In \$1,000's)	(	In Dollars	)
08/01/13	\$28,675	3.10	\$1,825	\$444,462.50	\$2,269,462.50	\$2,269,462.50
02/01/14	26,850			416,175.00	416,175.00	
08/01/14	26,850	3.10	1,880	416,175.00	2,296,175.00	2,712,350.00
02/01/15	24,970		,	387,035.00	387,035.00	
08/01/15	24,970	3.10	1,940	387,035.00	2,327,035.00	2,714,070.00
02/01/16	23,030			356,965.00	356,965.00	
08/01/16	23,030	3.10	2,000	356,965.00	2,356,965.00	2,713,930.00
02/01/17	21,030			325,965.00	325,965.00	
08/01/17	21,030	3.10	2,060	325,965.00	2,385,965.00	2,711,930.00
02/01/18	18,970			294,035.00	294,035.00	
08/01/18	18,970	3.10	2,125	294,035.00	2,419,035.00	2,713,070.00
02/01/19	16,845			261,097.50	261,097.50	
08/01/19	16,845	3.10	2,190	261,097.50	2,451,097.50	2,712,195.00
02/01/20	14,655			227,152.50	227,152.50	
08/01/20	14,655	3.10	2,260	227,152.50	2,487,152.50	2,714,305.00
02/01/21	12,395			192,122.50	192,122.50	
08/01/21	12,395	3.10	2,330	192,122.50	2,522,122.50	2,714,245.00
02/01/22	10,065			156,007.50	156,007.50	
08/01/22	10,065	3.10	2,400	156,007.50	2,556,007.50	2,712,015.00
02/01/23	7,665			118,807.50	118,807.50	
08/01/23	7,665	3.10	2,475	118,807.50	2,593,807.50	2,712,615.00
02/01/24	5,190			80,445.00	80,445.00	
08/01/24	5,190	3.10	2,555	80,445.00	2,635,445.00	2,715,890.00
02/01/25	2,635			40,842.50	40,842.50	
08/01/25	2,635	3.10	2,635	40,842.50	2,675,842.50	2,716,685.00
	Total		\$28,675	\$6,157,762.50	\$34,832,762.50	\$34,832,762.50

Note: This bond issue is an SRF issue.

### SCHEDULE OF AMORTIZATION OF \$19,930,000 PRINCIPAL AMOUNT OF OUTSTANDING

#### SEWAGE WORKS REVENUE BONDS, SERIES 2007

Principal payable Annually on August 1st.

Interest payable semiannually on February 1st and August 1st.

Payment	Principal	Interest		Debt Service		Bond Year
Date	Outstanding_	Rates	Principal	Interest	Total	Total
	(In \$1,000's)	(%)	(ln \$1,000's)	(	In Dollars	)
08/01/13	\$19,930	4,250	\$970	\$458,737.50	\$1,428,737.50	\$1,428,737.50
02/01/14	18,960			438,125.00	438,125.00	
08/01/14	18,960	4.250	1,010	438,125.00	1,448,125.00	1,886,250.00
02/01/15	17,950			416,662.50	416,662.50	
08/01/15	17,950	4.500	1,055	416,662.50	1,471,662.50	1,888,325.00
02/01/16	16,895			392,925.00	392,925.00	
08/01/16	16,895	4.500	1,100	392,925.00	1,492,925.00	1,885,850.00
02/01/17	15,795			368,175.00	368,175.00	
08/01/17	15,795	4.500	1,145	368,175.00	1,513,175.00	1,881,350.00
02/01/18	14,650			342,412.50	342,412.50	
08/01/18	14,650	4.500	1,195	342,412.50	1,537,412.50	1,879,825.00
02/01/19	13,455			315,525.00	315,525.00	
08/01/19	13,455	4.500	1,245	315,525,00	1,560,525.00	1,876,050.00
02/01/20	12,210			287,512.50	287,512.50	
08/01/20	12,210	4.500	1,300	287,512.50	1,587,512.50	1,875,025.00
02/01/21	10,910			258,262,50	258,262.50	
08/01/21	10,910	4.625	1,360	258,262,50	1,618,262.50	1,876,525.00
02/01/22	9,550			226,812.50	226,812.50	
08/01/22	9,550	4.750	1,420	226,812.50	1,646,812.50	1,873,625.00
02/01/23	8,130			193,087.50	193,087.50	
08/01/23	8,130	4.750	1,485	193,087.50	1,678,087.50	1,871,175.00
02/01/24	6,645			157,818.75	157,818.75	
08/01/24	6,645	4.750	1,550	157,818.75	1,707,818.75	1,865,637.50
02/01/25	5,095			121,006.25	121,006.25	
08/01/25	5,095	4.750	1,625	121,006.25	1,746,006.25	1,867,012.50
02/01/26	3,470			82,412.50	82,412.50	
08/01/26	3,470	4.750	1,695	82,412.50	1,777,412.50	1,859,825.00
02/01/27	1,775			42,156.25	42,156.25	
08/01/27	1,775	4.750	1,775	42,156.25	1,817,156.25	1,859,312.50
	Total	:	\$19,930	\$7,744,525.00	\$27,674,525.00	\$27,674,525,00

Note: This bond issue is an Open Market issue.

### SCHEDULE OF AMORTIZATION OF \$471,000 PRINCIPAL AMOUNT OF OUTSTANDING SEWAGE WORKS JUNIOR REVENUE BONDS, SERIES 2008

Principal payable Annually on August 1st.

Interest payable semiannually on February 1st and August 1st.

Payment	Principal	Interest	Debt Service			Bond Year
Date	Outstanding	Rate	Principal	Interest	Total	Total
	(In \$1,000's)	(%)	(In \$1,000's)	(	In Dollars	)
08/01/13	\$471	2.00	\$115	\$4,710.00	\$119,710.00	\$119,710.00
02/01/14	356			3,560.00	3,560.00	
08/01/14	356	2.00	117	3,560.00	120,560.00	124,120.00
02/01/15	239			2,390.00	2,390.00	
08/01/15	239	2.00	119	2,390.00	121,390.00	123,780.00
02/01/16	120			1,200.00	1,200.00	
08/01/16	120	2.00	120	1,200.00	121,200.00	122,400.00
	Total ,		\$471	\$19,010.00	\$490,010.00	\$490,010.00

Note: Also known as Zanesville Bonds. Fort Wayne's obligation to pay the principal and interest on the Zanesville Bonds is a charge upon the net revenues of the City's Sewage Works, but payment of the Zanesville Bonds is junior and subordinate to the payment of the prior Bonds and any bonds issued in the future on a parity basis with the prior Bonds.

Note: This bond issue is an SRF issue.

### SCHEDULE OF AMORTIZATION OF \$4,413,616 PRINCIPAL AMOUNT OF OUTSTANDING SEWAGE WORKS REVENUE BONDS OF 2009, SERIES A

Principal payable Annually on August 1st.

Interest payable semiannually on February 1st and August 1st.

Payment	Principal	Interest		Debt Service				
Date	Outstanding	Rate	Principal	Interest	Total	Total		
-	(In Dollars)	(%)	(In Dollars)	(	In Dollars	)		
08/01/13	\$4,413,616	0.16	\$241,883	\$3,530.89	\$245,413.89	\$245,413.89		
02/01/14	4,171,733			3,337.39	3,337.39			
08/01/14	4,171,733	0.16	242,271	3,337.39	245,608.39	248,945.78		
02/01/15	3,929,462			3,143.57	3,143.57			
08/01/15	3,929,462	0.16	242,658	3,143.57	245,801.57	248,945.14		
02/01/16	3,686,804			2,949.44	2,949.44			
08/01/16	3,686,804	0.16	243,046	2,949.44	245,995.44	248,944.88		
02/01/17	3,443,758			2,755.01	2,755.01			
08/01/17	3,443,758	0.16	243,435	2,755.01	246,190.01	248,945.02		
02/01/18	3,200,323			2,560.26	2,560.26			
08/01/18	3,200,323	0.16	243,824	2,560.26	246,384.26	248,944.52		
02/01/19	2,956,499			2,365.20	2,365.20			
08/01/19	2,956,499	0.16	244,214	2,365.20	246,579.20	248,944.40		
02/01/20	2,712,285			2,169.83	2,169.83			
08/01/20	2,712,285	0.16	244,605	2,169.83	246,774.83	248,944.66		
02/01/21	2,467,680			1,974.14	1,974.14			
08/01/21	2,467,680	0.16	244,997	1,974.14	246,971.14	248,945.28		
02/01/22	2,222,683			1,778.15	1,778.15			
08/01/22	2,222,683	0.16	245,389	1,778.15	247,167.15	248,945.30		
02/01/23	1,977,294			1,581.84	1,581.84			
08/01/23	1,977,294	0.16	245,782	1,581.84	247,363.84	248,945.68		
02/01/24	1,731,512			1,385.21	1,385.21			
08/01/24	1,731,512	0.16	246,174	1,385.21	247,559.21	248,944.42		
02/01/25	1,485,338			1,188.27	1,188.27			
08/01/25	1,485,338	0.16	246,568	1,188.27	247,756.27	248,944.54		
02/01/26	1,238,770		•	991.02	991.02			
08/01/26	1,238,770	0.16	246,962	991.02	247,953.02	248,944.04		
02/01/27	991,808			793.45	793.45			
08/01/27	991,808	0.16	247,358	793.45	248,151.45	248,944.90		
02/01/28	744,450			595.56	595.56			
08/01/28	744,450	0.16	247,753	595.56	248,348.56	248,944.12		
02/01/29	496,697			397.36	397.36			
08/01/29	496,697	0.16	248,150	397.36	248,547.36	248,944.72		
02/01/30	248,547			198.84	198.84			
08/01/30	248,547	0.16	248,547	198.84	248,745.84	248,944.68		
	Total		\$4,413,616	\$63,859.97	\$4,477,475.97	\$4,477,475.97		

Note: This bond issue is an SRF issue.

### $\frac{\text{SCHEDULE OF AMORTIZATION OF $27,129,399 PRINCIPAL AMOUNT OF OUTSTANDING}}{\text{SEWAGE WORKS REVENUE BONDS OF 2009, SERIES }B}$

Principal payable Annually on August 1st.

Interest payable semiannually on February 1st and August 1st.

Payment	Principal	Interest		Debt Service		Bond Year	
Date	Outstanding	Rate	Principal	Interest	Total	Total	
	(In Dollars)	(%)	(In Dollars)	(	In Dollars	)	
08/01/13	\$27,129,399	4.16	\$1,042,421	\$564,291.50	\$1,606,712.50	\$1,606,712.50	
02/01/14	26,086,978			542,609.14	542,609.14		
08/01/14	26,086,978	4.16	1,085,786	542,609.14	1,628,395.14	2,171,004.28	
02/01/15	25,001,192			520,024.79	520,024.79		
08/01/15	25,001,192	4.16	1,130,954	520,024.79	1,650,978.79	2,171,003.58	
02/01/16	23,870,238			496,500.95	496,500.95		
08/01/16	23,870,238	4.16	1,178,002	496,500.95	1,674,502.95	2,171,003.90	
02/01/17	22,692,236			471,998.51	471,998.51		
08/01/17	22,692,236	4.16	1,227,007	471,998.51	1,699,005.51	2,171,004.02	
02/01/18	21,465,229			446,476.76	446,476.76		
08/01/18	21,465,229	4.16	1,278,051	446,476.76	1,724,527.76	2,171,004.52	
02/01/19	20,187,178			419,893.30	419,893.30		
08/01/19	20,187,178	4.16	1,331,217	419,893.30	1,751,110.30	2,171,003.60	
02/01/20	18,855,961			392,203.99	392,203.99		
08/01/20	18,855,961	4.16	1,386,596	392,203.99	1,778,799.99	2,171,003.98	
02/01/21	17,469,365			363,362.79	363,362.79		
08/01/21	17,469,365	4.16	1,444,278	363,362.79	1,807,640.79	2,171,003.58	
02/01/22	16,025,087			333,321,81	333,321.81		
08/01/22	16,025,087	4.16	1,504,360	333,321.81	1,837,681.81	2,171,003.62	
02/01/23	14,520,727		, .	302,031.12	302,031.12		
08/01/23	14,520,727	4.16	1,566,942	302,031.12	1,868,973.12	2,171,004.24	
02/01/24	12,953,785		, -	269,438.73	269,438.73		
08/01/24	12,953,785	4.16	1,632,127	269,438.73	1,901,565.73	2,171,004.46	
02/01/25	11,321,658		, ,	235,490.49	235,490.49		
08/01/25	11,321,658	4.16	1,700,023	235,490.49	1,935,513,49	2,171,003,98	
02/01/26	9,621,635			200,130,01	200,130.01		
08/01/26	9,621,635	4.16	1,770,744	200,130.01	1,970,874.01	2,171,004.02	
02/01/27	7,850,891		, , ,	163,298.53	163,298.53	, ,	
08/01/27	7,850,891	4.16	1,844,407	163,298.53	2,007,705.53	2,171,004.06	
02/01/28	6,006,484		, ,	124,934.87	124,934.87	, ,	
08/01/28	6,006,484	4.16	1,921,134	124,934,87	2,046,068.87	2,171,003.74	
02/01/29	4,085,350		, ,	84,975.28	84,975.28		
08/01/29	4,085,350	4.16	2,001,053	84,975.28	2,086,028.28	2,171,003.56	
02/01/30	2,084,297		, , -	43,353,38	43,353.38	, ,	
08/01/30	2,084,297	4.16	2,084,297	43,353.38	2,127,650.38	2,171,003.76	
	Total		\$27,129,399	\$11,384,380.40	\$38,513,779.40_	\$38,513,779.40	

Note: This bond issue is an SRF issue.

### SCHEDULE OF AMORTIZATION OF \$41,045,000 PRINCIPAL AMOUNT OF OUTSTANDING SEWAGE WORKS REVENUE BONDS OF 2010

Principal payable Annually on August 1st, beginning August 1, 2013. Interest payable semiannually on February 1st and August 1st.

Payment	Principal	Interest		Debt Service		Bond Year
Date	Outstanding	Rates	Principal	Interest	Total	Total
	(In \$1,000's)	(%)	(In \$1,000's)	(	In Dollars	)
08/01/13	\$41,045	4.25	\$1,715	\$912,337.50	\$2,627,337.50	\$2,627,337.50
02/01/14	39,330			875,893.75	875,893.75	
08/01/14	39,330	4.25	1,745	875,893.75	2,620,893.75	3,496,787.50
02/01/15	37,585			838,812.50	838,812.50	
08/01/15	37,585	4.25	1,780	838,812.50	2,618,812.50	3,457,625.00
02/01/16	35,805			800,987.50	800,987.50	
08/01/16	35,805	4.25	1,825	800,987.50	2,625,987.50	3,426,975.00
02/01/17	33,980			762,206.25	762,206.25	
08/01/17	33,980	4.25	1,875	762,206.25	2,637,206.25	3,399,412.50
02/01/18	32,105			722,362.50	722,362.50	
08/01/18	32,105	4.50	1,935	722,362.50	2,657,362.50	3,379,725.00
02/01/19	30,170			678,825.00	678,825.00	
08/01/19	30,170	4.50	2,005	678,825.00	2,683,825.00	3,362,650.00
02/01/20	28,165			633,712.50	633,712.50	
08/01/20	28,165	4,50	2,075	633,712.50	2,708,712.50	3,342,425.00
02/01/21	26,090			587,025.00	587,025.00	
08/01/21	26,090	4.50	2,155	587,025.00	2,742,025.00	3,329,050.00
02/01/22	23,935			538,537.50	538,537.50	
08/01/22	23,935	4.50	2,245	538,537.50	2,783,537.50	3,322,075.00
02/01/23	21,690			488,025.00	488,025.00	
08/01/23	21,690	4.50	2,335	488,025.00	2,823,025.00	3,311,050.00
02/01/24	19,355			435,487.50	435,487.50	
08/01/24	19,355	4.50	2,430	435,487.50	2,865,487.50	3,300,975.00
02/01/25	16,925			380,812.50	380,812.50	
08/01/25	16,925	4.50	2,530	380,812.50	2,910,812.50	3,291,625.00
02/01/26	14,395			323,887.50	323,887.50	
08/01/26	14,395	4,50	2,640	323,887.50	2,963,887.50	3,287,775.00
02/01/27	11,755			264,487,50	264,487.50	
08/01/27	11,755	4.50	2,750	264,487.50	3,014,487.50	3,278,975.00
02/01/28	9,005			202,612.50	202,612.50	
08/01/28	9,005	4.50	2,870	202,612.50	3,072,612.50	3,275,225.00
02/01/29	6,135			138,037.50	138,037.50	
08/01/29	6,135	4.50	3,000	138,037.50	3,138,037.50	3,276,075.00
02/01/30	3,135			70,537.50	70,537.50	
08/01/30	3,135	4.50	3,135	70,537.50	3,205,537.50	3,276,075.00
	Total		\$41,045	\$18,396,837.50	\$59,441,837.50	\$59,441,837.50

Note: This bond issue is an Open Market issue.

### SCHEDULE OF AMORTIZATION OF \$38,100,000 PRINCIPAL AMOUNT OF OUTSTANDING SEWAGE WORKS REVENUE BONDS OF 2011, SERIES A

Principal payable Annually on August 1st, beginning August 1, 2014. Interest payable semiannually on February 1st and August 1st.

Payment	Principal	Interest		Bond Year		
Date	Balance	Rate	Principal	Interest	Total	Total
	(In \$1,000's)	(%)	(In \$1,000's)	(	In Dollars	)
08/01/13	\$38,100			\$533,400.00	\$533,400.00	\$533,400.00
02/01/14	38,100			533,400.00	533,400.00	
08/01/14	38,100	2.80	\$2,580	533,400.00	3,113,400.00	3,646,800.00
02/01/15	35,520			497,280.00	497,280.00	
08/01/15	35,520	2.80	2,605	497,280.00	3,102,280.00	3,599,560.00
02/01/16	32,915			460,810.00	460,810.00	
08/01/16	32,915	2.80	2,635	460,810.00	3,095,810.00	3,556,620.00
02/01/17	30,280			423,920.00	423,920.00	
08/01/17	30,280	2.80	2,675	423,920.00	3,098,920.00	3,522,840.00
02/01/18	27,605			386,470.00	386,470.00	
08/01/18	27,605	2.80	2,725	386,470.00	3,111,470.00	3,497,940.00
02/01/19	24,880	•		348,320.00 348,33		
08/01/19	24,880	2.80	2,790	348,320.00	3,138,320.00	3,486,640.00
02/01/20	22,090			309,260.00	309,260,00	
08/01/20	22,090	2.80	2,865	309,260.00	3,174,260.00	3,483,520.00
02/01/21	19,225			269,150.00	269,150.00	
08/01/21	19,225	2.80	2,945	269,150.00	3,214,150.00	3,483,300.00
02/01/22	16,280			227,920.00	227,920.00	
08/01/22	16,280.	2.80	3,040	227,920.00	3,267,920.00	3,495,840.00
02/01/23	13,240			185,360.00	185,360.00	
08/01/23	13,240	2.80	3,140	185,360.00	3,325,360.00	3,510,720.00
02/01/24	10,100			141,400.00	141,400.00	
08/01/24	10,100	2.80	3,245	141,400.00	3,386,400.00	3,527,800.00
02/01/25	6,855			95,970.00	95,970,00	. ,
08/01/25	6,855	2.80	3,365	95,970.00	3,460,970,00	3,556,940.00
02/01/26	3,490			48,860.00	48,860.00	
08/01/26	3,490	2.80	3,490_	48,860.00	3,538,860.00	3,587,720.00
	Totals		\$38,100	\$8,389,640.00	\$46,489,640.00	\$46,489,640.00

Note: This bond issue is an Open Market issue.

### SCHEDULE OF AMORTIZATION OF \$32,376,000 PRINCIPAL AMOUNT OF OUTSTANDING SEWAGE WORKS REVENUE BONDS OF 2011, SERIES B

Principal payable Annually on August 1st.

Interest payable semiannually on February 1st and August 1st.

Payment	Principal	Interest	Debt Service		Bond Year	
Date	Outstanding	Rate	Principal	Interest	Total	Total
	(In \$1,000's)	(%)	(In \$1,000's)	(	In Dollars	)
08/01/13	\$32,376	2.29	\$1,379	\$370,705.20	\$1,749,705.20	\$1,749,705.20
02/01/14	30,997		·	354,915.65	354,915.65	
08/01/14	30,997	2.29	1,411	354,915.65	1,765,915.65	2,120,831.30
02/01/15	29,586		-	338,759.70	338,759.70	
08/01/15	29,586	2.29	1,443	338,759.70	1,781,759.70	2,120,519.40
02/01/16	28,143		•	322,237.35	322,237,35	
08/01/16	28,143	2.29	1,476	322,237.35	1,798,237.35	2,120,474.70
02/01/17	26,667			305,337.15	305,337.15	•
08/01/17	26,667	2.29	1,510	305,337.15	1,815,337.15	2,120,674.30
02/01/18	25,157			288,047.65	288,047.65	
08/01/18	25,157	2.29	1,545	288,047.65	1,833,047.65	2,121,095.30
02/01/19	23,612			270,357.40	270,357.40	
08/01/19	23,612	2.29	1,580	270,357.40	1,850,357.40	2,120,714.80
02/01/20	22,032			252,266.40	252,266.40	
08/01/20	22,032	2.29	1,616	252,266.40	1,868,266.40	2,120,532.80
02/01/21	20,416			233,763.20	233,763,20	
.08/01/21	20,416	2.29	1,653	233,763.20	1,886,763.20	2,120,526.40
02/01/22	18,763		•	214,836.35	214,836.35	
08/01/22	18,763	2.29	1,691	214,836.35	1,905,836.35	2,120,672.70
02/01/23	17,072			195,474.40	195,474.40	
08/01/23	17,072	2.29	1,730	195,474.40	1,925,474.40	2,120,948.80
02/01/24	15,342			175,665.90	175,665.90	
08/01/24	15,342	2.29	1,769	175,665.90	1,944,665.90	2,120,331.80
02/01/25	13,573			155,410.85	155,410.85	
08/01/25	13,573	2.29	1,810	155,410.85	1,965,410.85	2,120,821.70
02/01/26	11,763			134,686.35	134,686.35	
08/01/26	11,763	2.29	1,851	134,686.35	1,985,686.35	2,120,372.70
02/01/27	9,912			113,492.40	113,492.40	
08/01/27	9,912	2.29	1,894	113,492.40	2,007,492.40	2,120,984.80
02/01/28	8,018			91,806.10	91,806.10	
08/01/28	810,8	2.29	1,937	91,806.10	2,028,806.10	2,120,612.20
02/01/29	6,081			69,627.45	69,627.45	
08/01/29	6,081	2.29	1,981	69,627.45	2,050,627.45	2,120,254.90
02/01/30	4,100		46,945.00 46		46,945.00	
08/01/30	4,100	2.29	2,027	46,945.00	2,073,945.00	2,120,890.00
02/01/31	2,073			23,735.85	23,735.85	
08/01/31	2,073	2.29	2,073	23,735.85	2,096,735.85	2,120,471.70
	Total		\$32,376	\$7,545,435.50	\$39,921,435.50	\$39,921,435.50

Note: This bond issue is an SRF issue.

### SCHEDULE OF AMORTIZATION OF \$10,415,000 PRINCIPAL AMOUNT OF OUTSTANDING SEWAGE WORKS REVENUE BONDS OF 2012, SERIES A

Principal payable annually on August 1st, beginning August 1, 2013. Interest payable semiannually on February 1st and August 1st, beginning February 1, 2013.

Payment	Principal	Interest		Debt Service		Bond Year	
Date	Balance	Rate	Principal	Interest	Total	Total	
	(ln \$1,000's)	(%)	(In \$1,000's)	(	In Dollars	)	
08/01/13	\$10,415	1.78	\$453	\$92,693.50	\$545,693.50	\$545,693.50	
02/01/14	9,962		·	88,661.80	88,661.80		
08/01/14	9,962	1.78	445	88,661.80	533,661.80	622,323.60	
02/01/15	9,517			84,701.30	84,701.30	•	
08/01/15	9,517	1.78	453	84,701.30	537,701.30	622,402.60	
02/01/16	9,064		80,669.60		80,669.60		
08/01/16	9,064	1.78	461	80,669.60	541,669.60	622,339.20	
02/01/17	8,603			76,566.70	76,566.70	· •	
08/01/17	8,603	1.78	469	76,566.70	545,566.70	622,133.40	
02/01/18	8,134			72,392.60	72,392.60	·	
08/01/18	8,134	1.78	478	72,392,60	550,392.60	622,785.20	
02/01/19	7,656			68,138.40	68,138.40	ŕ	
08/01/19	7,656	1.78	486	68,138.40	554,138.40	622,276.80	
02/01/20	7,170			63,813.00	63,813.00	ŕ	
08/01/20	7,170	1.78	495	63,813.00	558,813.00	622,626.00	
02/01/21	6,675			59,407.50	59,407.50	,	
08/01/21	6,675	1.78	504	59,407,50	563,407.50	622,815.00	
02/01/22	6,171			54,921.90	54,921.90	•	
08/01/22	6,171	1.78	513	54,921.90	567,921.90	622,843.80	
02/01/23	5,658			50,356.20	50,356.20		
08/01/23	5,658	1.78	522	50,356.20	572,356.20	622,712.40	
02/01/24	5,136			45,710.40	45,710.40		
08/01/24	5,136	1.78	531	45,710.40	576,710.40	622,420.80	
02/01/25	4,605			40,984.50	40,984.50		
08/01/25	4,605	1.78	541	40,984.50	581,984.50	622,969.00	
02/01/26	4,064			36,169.60	36,169.60		
08/01/26	4,064	1.78	550	36,169.60	586,169.60	622,339.20	
02/01/27	3,514			31,274,60	31,274.60		
08/01/27	3,514	1.78	560	31,274.60	591,274.60	622,549.20	
02/01/28	2,954			26,290.60	26,290.60		
08/01/28	2,954	1.78	570	26,290.60	596,290.60	622,581.20	
02/01/29	2,384			21,217.60	21,217.60		
08/01/29	2,384	1.78	580	21,217.60	601,217.60	622,435.20	
02/01/30	1,804		4	16,055.60			
08/01/30	1,804	1.78	591 16,055.60		607,055.60	623,111.20	
02/01/31	1,213			10,795.70	10,795.70		
08/01/31	1,213	1.78	601	10,795.70	611,795.70	622,591.40	
02/01/32	612			5,446.80	5,446.80		
08/01/32	612	1.78	612_	5,446.80	617,446.80	622,893.60	

Note: This schedule is based on the utility drawing 100% of the \$10,415,000 loan.

Note: This bond issue is an SRF issue.

#### SCHEDULE OF AMORTIZATION OF \$15,530,000 PRINCIPAL AMOUNT OF OUTSTANDING SEWAGE WORKS REVENUE BONDS OF 2012, SERIES B

Principal payable annually on August 1st, beginning August 1, 2014.

Interest payable semiannually on February 1st and August 1st, beginning February 1, 2013.

Bonds dated December 4, 2012.

Payment	Principal	Interest		Debt Service		Bond Year	
Date	Balance	Rate	Principal	Interest	Total	Total	
	(In \$1,000's)	(%)	(In \$1,000's)	(	In Dollars	)	
08/01/13	\$15,530			\$180,075.00	\$180,075.00	\$180,075.00	
02/01/14	15,530			180,075.00	180,075.00		
08/01/14	15,530	2.00	\$1,000	180,075.00	1,180,075.00	1,360,150.00	
02/01/15	14,530			170,075.00	170,075.00		
08/01/15	14,530	2.00	1,005	170,075.00	1,175,075.00	1,345,150.00	
02/01/16	13,525			160,025.00	160,025.00		
08/01/16	13,525	2.00	1,010	160,025.00	1,170,025.00	1,330,050.00	
02/01/17	12,515			149,925.00	149,925.00		
08/01/17	12,515	2.00	1,020	149,925.00	1,169,925.00	1,319,850.00	
02/01/18	11,495		-	139,725.00	139,725.00		
08/01/18	11,495	2.00	1,035	139,725.00	1,174,725.00	1,314,450.00	
02/01/19	10,460		•	129,375,00	129,375.00		
08/01/19	10,460	2.00	1,050	129,375.00	1,179,375.00	1,308,750.00	
02/01/20	9,410		-	118,875.00	118,875.00		
08/01/20	9,410	2.00	1,075	118,875.00	1,193,875.00	1,312,750.00	
02/01/21	8,335		•	108,125.00	108,125.00		
08/01/21	8,335	2.00	1,100	108,125.00	1,208,125.00	1,316,250.00	
02/01/22	7,235		•	97,125.00	97,125.00		
08/01/22	7,235	2.00	1,125	97,125.00	1,222,125.00	1,319,250.00	
02/01/23	6,110		•	85,875.00	85,875.00		
08/01/23	6,110	2.00	1,155	85,875.00	1,240,875.00	1,326,750.00	
02/01/24	4,955		,	74,325,00	74,325.00		
08/01/24	4,955	3.00	1,185	74,325.00	1,259,325.00	1,333,650.00	
02/01/25	3,770		•	56,550.00	56,550.00		
08/01/25	3,770	3.00	1,220	56,550.00	1,276,550.00	1,333,100.00	
02/01/26	2,550		ŕ	38,250,00	38,250.00	, ·	
08/01/26	2,550	3.00	1,255	38,250,00	1,293,250.00	1,331,500.00	
02/01/27	1,295		•	19,425.00	19,425.00	-,,,	
08/01/27	1,295	3.00	1,295	19,425.00	1,314,425.00	1,333,850.00	
	Totals		\$15,530	\$3,235,575.00	\$18,765,575.00	\$18,765,575.00	

Note: This bond issue is an Open Market issue.

### SCHEDULE OF AMORTIZATION OF \$19,675,000 PRINCIPAL AMOUNT OF OUTSTANDING SEWAGE WORKS REFUNDING REVENUE BONDS OF 2012

Principal payable annually on August 1st, beginning August 1, 2013. Interest payable semiannually on February 1st and August 1st, beginning February 1, 2013.

Payment	Principal	Interest			Debt Service	Bond Year	
Date	Balance	Rate	Principal		Interest	Total	Total
<u> </u>	(In \$1,000's)	(%)	(ln \$1,000's)	-	(	In Dollars	)
08/01/13	\$19,675	1.45	\$1,500	(1)	\$142,643.75	\$1,642,643.75	\$1,642,643.75
02/01/14	18,175				131,768.75	131,768.75	
08/01/14	18,175	1.45	1,905	(1)	131,768.75	2,036,768.75	2,168,537.50
02/01/15	16,270				117,957.50	117,957.50	
08/01/15	16,270	1.45	1,935	(1)	117,957.50	2,052,957.50	2,170,915.00
02/01/16	14,335				103,928.75	103,928.75	
08/01/16	14,335	1.45	1,960	(1)	103,928.75	2,063,928.75	2,167,857.50
02/01/17	12,375				89,718.75	89,718.75	
08/01/17	12,375	1.45	1,990 (	(1)	89,718.75	2,079,718.75	2,169,437.50
02/01/18	10,385				75,291.25	75,291.25	
08/01/18	10,385	1.45	2,020 (	(1)	75,291,25	2,095,291.25	2,170,582.50
02/01/19	8,365		•		60,646.25	60,646.25	
08/01/19	8,365	1.45	2,045 (	(1)	60,646.25	2,105,646.25	2,166,292.50
02/01/20	6,320			` '	45,820.00	45,820.00	
08/01/20	6,320	1.45	2,075 (	(1)	45,820.00	2,120,820.00	2,166,640.00
02/01/21	4,245			. ,	30,776.25	30,776.25	
08/01/21	4,245	1.45	2,105 (	(1)	30,776.25	2,135,776.25	2,166,552.50
02/01/22	2,140		,	. ,	15,515.00	15,515.00	
08/01/22	2,140	1.45	2,140 (	(1) _	15,515.00	2,155,515.00	2,171,030.00
	Totals		\$19,675	-	\$1,485,488.75	\$21,160,488.75	\$21,160,488.75

(1) \$19,675,000 of Term Bonds due August 1, 2022.

Note: This bond issue is an Open Market issue.

### SCHEDULE OF AMORTIZATION OF \$32,955,000 PRINCIPAL AMOUNT OF SEWAGE WORKS REVENUE BONDS OF 2013, SERIES A

Principal payable annually on August 1st, beginning August 1, 2013. Interest payable semiannually on February 1st and August 1st, beginning August 1, 2013.

Payment	Principal	Interest			Debt Service	Bond Year		
Date	Balance	Rate	Principal		Interest	Total	Total	
	(In \$1,000's)	(%)	(In \$1,000's)		(	In Dollars	)	
08/01/13	\$32,955	1.95%	\$600 (	(1)	\$221,347.75	\$821,347.75	\$821,347.75	
02/01/14	32,355				315,461.25	315,461.25		
08/01/14	32,355	1.95%	1,630 (	(1)	315,461.25	1,945,461.25	2,260,922.50	
02/01/15	30,725				299,568,75	299,568.75		
08/01/15	30,725	1.95%	1,740 (	(1)	299,568.75	2,039,568.75	2,339,137.50	
02/01/16	28,985				282,603.75	282,603.75		
08/01/16	28,985	1.95%	1,845 (	(1)	282,603.75	2,127,603.75	2,410,207.50	
02/01/17	27,140				264,615.00	264,615.00		
08/01/17	27,140	1.95%	2,060 (	(1)	264,615.00	2,324,615.00	2,589,230.00	
02/01/18	25,080				244,530.00	244,530.00		
08/01/18	25,080	1.95%	2,135 (	(1)	244,530.00	2,379,530.00	2,624,060.00	
02/01/19	22,945		· ·	•	223,713.75	223,713.75		
08/01/19	22,945	1.95%	3,620 (	(1)	223,713.75	3,843,713.75	4,067,427.50	
02/01/20	19,325		,		188,418.75	188,418.75		
08/01/20	19,325	1.95%	3,695 (	(1)	188,418.75	3,883,418.75	4,071,837.50	
02/01/21	15,630		,		152,392.50	152,392.50		
08/01/21	15,630	1.95%	3,775 (	1)	152,392.50	3,927,392.50	4,079,785.00	
02/01/22	11,855		,	,	115,586.25	115,586.25		
08/01/22	11,855	1.95%	3,840 (	1)	115,586,25	3,955,586.25	4,071,172.50	
02/01/23	8,015		, ,		78,146.25	78,146.25		
08/01/23	8,015	1.95%	3,955 (	1)	78,146.25	4,033,146.25	4,111,292.50	
02/01/24	4,060		, ,	. ,	39,585.00	39,585.00		
08/01/24	4,060	1.95%	4,060 (	1) _	39,585.00	4,099,585.00	4,139,170.00	
	Totals		\$32,955		\$4,630,590.25	\$37,585,590.25	\$37,585,590.25	

<sup>(1) \$32,955,000</sup> par amount of Term Bonds due August 1, 2024.

### SCHEDULE OF AMORTIZATION OF \$42,260,000 PRINCIPAL AMOUNT OF SEWAGE WORKS REVENUE BONDS OF 2013, SERIES B

Principal payable annually on August 1st, beginning August 1, 2025.

Interest payable semiannually on February 1st and August 1st, beginning August 1, 2013.

Payment	Principal	Interest			Debt Service		Bond Year	
Date	Balance	Rates	Principal		Interest	Total	Total	
	(In \$1,000's)	(%)	(In \$1,000's)		(	In Dollars	)	
08/01/13	\$42,260				\$513,954.17	\$513,954.17	\$513,954.17	
02/01/14	42,260				746,062.50	746,062.50		
08/01/14	42,260				746,062.50	746,062.50	1,492,125.00	
02/01/15	42,260				746,062.50	746,062.50		
08/01/15	42,260				746,062.50	746,062.50	1,492,125.00	
02/01/16	42,260				746,062.50	746,062.50		
08/01/16	42,260				746,062.50	746,062.50	1,492,125.00	
					746,062.50	746,062.50	*, 1.5 –,	
02/01/17	42,260				746,062.50	746,062.50	1,492,125.00	
08/01/17	42,260				746,062.50	746,062.50	1,1,2,123.00	
02/01/18	42,260				746,062.50	746,062.50	1,492,125.00	
08/01/18	42,260				•		1,492,123.00	
02/01/19	42,260				746,062.50	746,062.50	1 400 105 00	
08/01/19	42,260				746,062.50	746,062.50	1,492,125.00	
02/01/20	42,260				746,062.50	746,062.50	1 400 106 00	
08/01/20	42,260				746,062.50	746,062.50	1,492,125.00	
02/01/21	42,260				746,062.50	746,062.50	1 400 100 0	
08/01/21	42,260				746,062.50	746,062.50	1,492,125.00	
02/01/22	42,260				746,062.50	746,062.50		
08/01/22	42,260				746,062.50	746,062.50	1,492,125.00	
02/01/23	42,260				746,062.50	746,062.50		
08/01/23	42,260				746,062.50	746,062.50	1,492,125.00	
02/01/24	42,260				746,062.50	746,062.50		
08/01/24	42,260				746,062.50	746,062.50	1,492,125.00	
02/01/25	42,260				746,062.50	746,062.50		
08/01/25	42,260	3.500%	\$4,165		746,062.50	4,911,062.50	5,657,125.00	
02/01/26	38,095				673,175.00	673,175.00		
08/01/26	38,095	3.500%	4,285		673,175.00	4,958,175.00	5,631,350.00	
02/01/27	33,810		ŕ		598,187.50	598,187.50		
08/01/27	33,810	3.500%	4,405		598,187.50	5,003,187.50	5,601,375.00	
02/01/28	29,405	2100070	,,		521,100.00	521,100.00		
08/01/28	29,405	3,500%	4,535		521,100.00	5,056,100.00	5,577,200.00	
02/01/29	24,870	3.30070	,,		441,737.50	441,737.50		
08/01/29	24,870	3,500%	4,670		441,737.50	5,111,737.50	5,553,475.00	
	20,200	3,30070	1,070		360,012.50	360,012.50	-,,	
02/01/30		3.500%	4,815	(1)	360,012.50	5,175,012.50	5,535,025.00	
08/01/30	20,200	3,30076	4,013	(1)	275,750.00	275,750.00	5,555,62010	
02/01/31	15,385	2.5000/	4.065	(1)	275,750.00	5,240,750.00	5,516,500.00	
08/01/31	15,385	3.500%	4,965	(1)	188,862.50	188,862.50	5,510,500.00	
02/01/32	10,420	2 (250)	£ 105	(2)	-	5,313,862.50	5,502,725.00	
08/01/32	10,420	3.625%	5,125	(2)	188,862.50		J,JUZ, 12J,UL	
02/01/33	5,295	2 (250/	5,295	(2)	95,971.88 95,971.88	95,971.88 5,390,971.88	5,486,943.76	
08/01/33	5,295	3.625%	3,293	_(2)_	73,771.00	2,270,711.00	3,400,243.70	
	Totals		\$42,260		\$24,729,047.93	\$66,989,047.93	\$66,989,047.93	

<sup>(1) \$9,780,000</sup> of Term Bonds due August 1, 2031

<sup>(2) \$10,420,000</sup> of Term Bonds due August 1, 2033.

### SCHEDULE OF AMORTIZATION OF \$7,335,000 PRINCIPAL AMOUNT OF SEWAGE WORKS REFUNDING REVENUE BONDS OF 2013

Principal payable annually on August 1st, beginning August 1, 2013. Interest payable semiannually on February 1st and August 1st, beginning August 1, 2013.

Payment	Principal	Interest		Bond Year			
Date	Balance	Rate	Principal	Interest	Total		
	(In \$1,000's)	(%)	(In \$1,000's)	(	In Dollars		
08/01/13	\$7,335	1.00%	\$500	\$25,265.00	\$525,265.00	\$525,265.00	
02/01/14	6,835			34,175.00	34,175.00		
08/01/14	6,835	1.00%	1,350	34,175.00	1,384,175.00	1,418,350.00	
02/01/15	5,485			27,425.00	27,425.00		
08/01/15	5,485	1.00%	1,355	27,425.00	1,382,425.00	1,409,850.00	
02/01/16	4,130		·	20,650.00	20,650.00		
08/01/16	4,130	1.00%	1,365	20,650.00	1,385,650.00	1,406,300.00	
02/01/17	2,765		·	13,825.00	13,825.00		
08/01/17	2,765	1.00%	1,375	13,825.00	1,388,825.00	1,402,650.00	
02/01/18	1,390			6,950.00	6,950.00		
08/01/18	1,390	1.00%	1,390	6,950.00	1,396,950.00	1,403,900.00	
	Totals		\$7,335	\$231,315.00	\$7,566,315.00	\$7,566,315.00	

#### SCHEDULE OF COMBINED BOND AMORTIZATION

Payment Date	Outstanding 2005 Bonds**	Outstanding 2007 Bonds*	Outstanding 2008 Bonds**	Outstanding 2009A Bonds**	Outstanding 2009B Bonds**	Outstanding 2010 Bonds*	Outstanding 2011A Bonds*	Outstanding 2011B Bonds**
08/01/13	\$2,269,462,50	\$1,428,737.50	\$119,710.00	\$245,413.89	\$1,606,712.50	\$2,627,337.50	\$533,400.00	\$1,749,705.20
02/01/14	416,175.00	438,125.00	3,560,00	3,337.39	542,609,14	875,893.75	533,400,00	354,915.65
08/01/14	2,296,175.00	1,448,125.00	120,560,00	245,608,39	1,628,395,14	2,620,893.75	3,113,400,00	1,765,915.65
02/01/15	387,035.00	416,662.50	2,390.00	3,143,57	520,024,79	838,812,50	497,280,00	338,759.70
08/01/15	2,327,035,00	1,471,662.50	121,390.00	245,801.57	1,650,978.79	2,618,812.50	3,102,280.00	1,781,759.70
02/01/16	356,965.00	392,925.00	1,200,00	2,949.44	496,500,95	800,987.50	460,810,00	322,237.35
08/01/16	2,356,965.00	1,492,925.00	121,200.00	245,995.44	1,674,502.95	2,625,987.50	3,095,810.00	1,798,237.35
02/01/17	325,965.00	368,175,00		2,755.01	471,998.51	762,206.25	423,920.00	305,337.15
08/01/17	2,385,965.00	1,513,175.00		246,190.01	1,699,005.51	2,637,206,25	3,098,920.00	1,815,337.15
02/01/18	294,035,00	342,412,50		2,560,26	446,476.76	722,362.50	386,470,00	288,047.65
08/01/18	2,419,035.00	1,537,412.50		246,384.26	1,724,527.76	2,657,362.50	3,111,470.00	1,833,047.65
02/01/19	261,097,50	315,525.00		2,365.20	419,893.30	678,825.00	348,320.00	270,357.40
08/01/19	2,451,097,50	1,560,525.00		246,579.20	1,751,110.30	2,683,825.00	3,138,320.00	1,850,357.40
02/01/20	227,152.50	287,512.50		2,169.83	392,203.99	633,712.50	309,260.00	252,266.40
08/01/20	2,487,152.50	1,587,512.50		246,774.83	1,778,799.99	2,708,712.50	3,174,260,00	1,868,266.40
02/01/21	192,122.50	258,262.50		1,974.14	363,362,79	587,025,00	269,150,00	233,763.20
08/01/21	2,522,122.50	1,618,262.50		246,971.14	1,807,640,79	2,742,025.00	3,214,150,00	1,886,763.20
02/01/22	156,007.50	226,812,50		1,778.15	333,321.81	538,537.50	227,920.00	214,836.35
08/01/22	2,556,007.50	1,646,812.50		247,167,15	1,837,681,81	2,783,537,50	3,267,920.00	1,905,836.35
02/01/23	118,807.50	193,087.50		1,581.84	302,031.12	488,025.00	185,360.00	195,474.40
08/01/23	2,593,807.50	1,678,087.50		247,363.84	1,868,973,12	2,823,025.00	3,325,360.00	1,925,474.40
02/01/24	80,445.00	157,818.75		1,385,21	269,438.73	435,487,50	141,400,00	175,665.90
08/01/24	2,635,445.00	1,707,818.75		247,559.21	1,901,565,73	2,865,487,50	3,386,400.00	1,944,665.90
02/01/25	40,842,50	121,006.25		1,188.27	235,490.49	380,812.50	95,970,00	155,410.85
08/01/25	2,675,842.50	1,746,006.25		247,756.27	1,935,513.49	2,910,812.50	3,460,970.00	1,965,410.85
02/01/26		82,412.50		991,02	200,130,01	323,887.50	48,860,00	134,686.35
08/01/26		1,777,412.50		247,953.02	1,970,874.01	2,963,887.50	3,538,860.00	1,985,686.35
02/01/27		42,156,25		793.45	163,298.53	264,487.50		113,492.40
08/01/27		1,817,156,25		248,151.45	2,007,705.53	3,014,487.50		2,007,492.40
02/01/28				595,56	124,934.87	202,612.50		91,806.10
08/01/28				248,348,56	2,046,068,87	3,072,612,50		2,028,806.10
02/01/29				397.36	84,975.28	138,037.50		69,627.45
08/01/29				248,547.36	2,086,028.28	3,138,037.50		2,050,627.45
02/01/30				198.84	43,353,38	70,537.50		46,945.00
08/01/30		•		248,745,84	2,127,650,38	3,205,537,50		2,073,945.00
02/01/31								23,735.85
08/01/31								2,096,735.85
02/01/32								
08/01/32		•						
02/01/33								
08/01/33								
Totals	\$34,832,762,50	\$27,674,525.00	\$490,010.00	\$4,477,475.97	\$38,513,779.40	\$59,441,837.50	\$46,489,640,00	\$39,921,435.50

\*Open Market bonds.

\*\*SRF debt.

(Continued on next page)

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#### SCHEDULE OF COMBINED BOND AMORTIZATION

Payment Date	Outstanding 2012A Bonds**	Outstanding 2012B Bonds*	Outstanding 2012 Ref. Bonds*	Outstanding 2013A Bonds*	Outstanding 2013B Bonds*	Outstanding 2013 Ref. Bonds*	Total	Bond Year Total
08/01/13	\$545,693.50	\$180,075.00	\$1,642,643.75	\$821,347.75	\$513,954.17	\$525,265.00	\$14,809,458,26	\$14,809,458,26
02/01/14	88,661.80	180,075,00	131,768.75	315,461,25	746,062,50	34,175.00	4,664,220.23	
08/01/14	533,661,80	1,180,075.00	2,036,768.75	1,945,461.25	746,062.50	1,384,175.00	21,065,277.23	25,729,497,46 (
02/01/15	84,701,30	170,075.00	117,957.50	299,568.75	746,062.50	27,425.00	4,449,898.11	
08/01/15	537,701.30	1,175,075.00	2,052,957.50	2,039,568.75	746,062.50	1,382,425.00	21,253,510,11	25,703,408.22
02/01/16	80,669.60	160,025.00	103,928.75	282,603.75	746,062.50	20,650,00	4,228,514.84	
08/01/16	541,669.60	1,170,025.00	2,063,928.75	2,127,603,75	746,062.50	1,385,650.00	21,446,562.84	25,675,077.68
02/01/17	76,566.70	149,925.00	89,718.75	264,615,00	746,062,50	13,825.00	4,001,069.87	
08/01/17	545,566.70	1,169,925.00	2,079,718.75	2,324,615.00	746,062.50	1,388,825.00	21,650,511.87	25,651,581,74
02/01/18	72,392.60	139,725,00	75,291.25	244,530,00	746,062,50	6,950,00	3,767,316.02	
08/01/18	550,392.60	1,174,725.00	2,095,291.25	2,379,530,00	746,062.50	1,396,950,00	21,872,191.02	25,639,507.04
02/01/19	68,138,40	129,375.00	60,646.25	223,713.75	746,062,50	•	3,524,319.30	, ,
08/01/19	554,138,40	1,179,375.00	2,105,646.25	3,843,713.75	746,062.50		22,110,750,30	25,635,069,60
02/01/20	63,813.00	118,875,00	45,820.00	188,418.75	746,062.50		3,267,266.97	
08/01/20	558,813.00	1,193,875.00	2,120,820.00	3,883,418.75	746,062.50		22,354,467.97	25,621,734,94
02/01/21	59,407.50	108,125,00	30,776.25	152,392,50	746,062,50		3,002,423.88	
08/01/21	563,407,50	1,208,125,00	2,135,776.25	3,927,392,50	746,062,50		22,618,698.88	25,621,122,76
02/01/22	54,921.90	97,125.00	15,515.00	115,586,25	746,062,50		2,728,424.46	, ,
08/01/22	567,921.90	1,222,125.00	2,155,515.00	3,955,586,25	746,062.50		22,892,173.46	25,620,597,92
02/01/23	50,356.20	85,875.00	, ,	78,146,25	746,062,50		2,444,807.31	, , ,
08/01/23	572,356,20	1,240,875.00		4,033,146.25	746,062.50		21,054,531,31	23,499,338.62
02/01/24	45,710.40	74,325.00		39,585.00	746,062.50		2,167,323,99	
08/01/24	576,710.40	1,259,325,00		4,099,585.00	746,062,50		21,370,624,99	23,537,948.98
02/01/25	40,984.50	56,550.00		, ,	746,062.50		1,874,317.86	, ,
08/01/25	581,984,50	1,276,550.00			4,911,062.50		21,711,908.86	23,586,226.72
02/01/26	36,169,60	38,250.00			673,175.00		1,538,561.98	
08/01/26	586,169.60	1,293,250.00			4,958,175.00		19,322,267,98	20,860,829,96
02/01/27	31,274.60	19,425,00			598,187.50		1,233,115,23	
08/01/27	591,274.60	1,314,425.00			5,003,187,50	'	16,003,880,23	17,236,995,46
02/01/28	26,290.60	, , .			521,100,00		967,339,63	, ,
08/01/28	596,290,60				5,056,100,00		13,048,226.63	14,015,566,26
02/01/29	21,217.60				441,737.50		755,992.69	, ,
08/01/29	601,217.60				5,111,737,50		13,236,195.69	13,992,188.38
02/01/30	16,055.60				360,012.50		537,102.82	<b>,,</b>
08/01/30	607,055.60				5,175,012,50		13,437,946,82	13,975,049.64
02/01/31	10,795.70				275,750,00		310,281.55	., .,
08/01/31	611,795.70				5,240,750.00		7,949,281.55	8,259,563.10
02/01/32	5,446.80				188,862,50		194,309,30	• •
08/01/32	617.446.80				5,313,862.50		5,931,309.30	6,125,618.60
02/01/33	,	•			95,971.88		95,971.88	-,,
08/01/33					5,390,971.88		5,390,971,88	5,486,943,76
Totals	\$12,374,842,30	\$18,765,575,00	\$21,160,488.75	\$37,585,590,25	\$66,989,047.93	\$7,566,315.00	\$416,283,325,10	\$416,283,325,10

<sup>\*</sup>Open Market bonds.

Average annual combined debt service (8/1/2017 - 8/1/2022)

\$25,631,602,33

<sup>\*\*</sup>SRF debt.

<sup>(</sup>x) Maximum annual combined debt service.

#### ALLOCATION OF DEBT SERVICE TO PURPOSE

			Allocation of Bond Purpose			
	Outstanding	Weighted		Collection		
Debt	<u>Principal</u>	%	Plant	System	Billing	
2005 D == 4-	#00 CTE 000	7 000/	05.000/ ~	5.000/	0.0007	
2005 Bonds	\$28,675,000	7.20%	95.00%	5.00%	0.00%	
2007 Bonds	19,930,000	5.00%	30.00%	70.00%	0.00%	
2008 Bonds	N/A	N/A		directly by Zanesvill		
2009 A Bonds	4,413,616	1.11%	0.00%	100.00%	0.00%	
2009B Bonds	27,129,399	6.81%	62.00%	38.00%	0.00%	
2010 Bonds	41,045,000	10.30%	38.00%	62.00%	0.00%	
2011A Bonds	38,100,000	9.56%	16.00%	84.00%	0.00%	
2011B Bonds	32,376,000	8.13%	92.00%	8.00%	0.00%	
2012A Bonds	10,415,000	2.61%	29.00%	71.00%	0.00%	
2012B Bonds	15,530,000	3.90%	50.00%	47.00%	3.00%	
2012 Ref. Bonds	19,675,000	4.94%	69.51%	30.49%	0.00%	
2013A Bonds	32,955,000	8.27%	66.00%	34.00%	0.00%	
2013B Bonds	42,260,000	10.61%	66.00%	34.00%	0.00%	
2013 Ref. Bonds	7,335,000	1.84%	0.00%	68.61%	31.39%	
Proposed 2015 bond (page 20)	78,500,000	19.71%	16.00%	84.00% (1)	0.00%	
Totals	\$398,339,015	99.99%				
			47.24%	52.06%	0.70%	

<sup>(1)</sup> The future 2015, 2017 and 2019 bond issues will be allocated to contract customers in a manner where contract customers share in all plant and billing improvement costs and only the portion of the collection system improvements considered common to all. Per Utility Management the breakdown is as follows:

	Collection System -	Collection System -
	Common to All	Retail Only
Proposed 2015 Bond	30.00%	54.00%
Proposed 2017 Bond	32.10%	61.90%
Proposed 2019 Bond	26.50%	62.50%