2018 Return Flow Utility Rates

5/15/2018





Great Lakes Water Application

- Status Update
 - Routing Study is nearing completion
 - Field work ongoing
- Looking forward
 - Preliminary Design Reports to Regulatory Agencies
 - Permitting
 - Diversion Permit
 - Facility Plan Amendment
 - Discharge Permit for Root River
 - Construction 2020

Preferred Water Supply and Return Flow Routes



Return Flow Current Financial Needs

Calculation of 2018 Return Flow Utility Rate

Revenue required by utility rates	\$ 700,000
Less: Non-rate revenue	 (2,700)
Deposit to Reserve Fund (cash flow)	543,079
Return Flow operations for 2018	-
Debt service for 2018	\$ 159,621

Calculation of 2018 Return Flow Utility Rate

543,079
(2,700)
700,000
7

Rate Revenue Projected for 7 months \$ 700,000

Projected Water Usage for 7 months (1,000 Gal.) 1,135,576

Return Flow Volume Charge (\$/1,000 Gal.)

0.62

That's the current need... What's the long-term plan?

Return Flow CIP 2018-2023

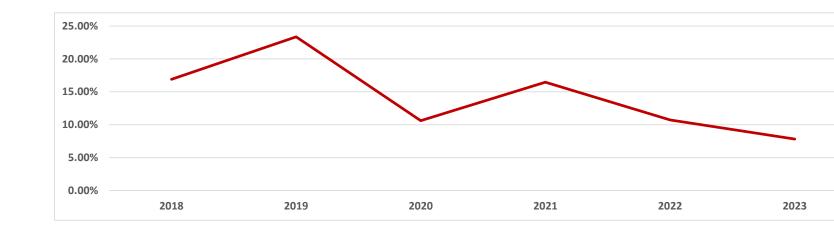
Capital Uses of Funds														
	2018			2019		2020		2021		2022		2023		Total
Project/Activity														
Proj Mgmt/WWU Admin	\$	10,641,400	\$	5,737,000	\$	1,993,000	\$	195,200	\$	195,200	\$	97,600	\$	18,859,400
Return Flow Construct.				_		45,523,500		43,378,100		17,852,600		<u>-</u>		106,754,200
Total Capital Uses	\$	10,641,400	\$	5,737,000	\$	47,516,500	\$	43,573,300	\$	18,047,800	\$	97,600	\$	125,613,600

Return Flow Rate Projection 2018-2023

	Return Flo	ow Rate Calcul	ation by Year			
	2018	2019	2020	2021	2022	2023
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Revenues generated by rates	\$ 700,000	\$ 3,542,729	\$ 4,095,814	\$ 5,987,713	\$ 6,959,109	\$ 7,253,539
Investment income	2,700	21,100	52,400	81,300	101,500	112,900
Less: Operating Expenses	-	-	-	-	(219,600)	(452,300)
	 _					
Net Revenues	\$ 702,700	\$ 3,563,829	\$ 4,148,214	\$ 6,069,013	\$ 6,841,009	\$ 6,914,139
Debt Service (Subsequent Year)	\$ 405,297	\$ 1,028,288	\$ 3,181,120	\$ 5,273,356	\$ 5,903,684	\$ 5,902,796
Total Debt Service Coverage	1.73	3.47	1.30	1.15	1.16	1.17
Projected Usage (1,000 Gal.)	1,135,576	1,915,732	1,893,002	1,876,203	1,863,746	1,854,509
Return Flow Charge (\$/1,000 Gal.)	0.62	1.85	2.16	3.19	3.73	3.91
Return Flow Rate Increase	100.00%	200.00%	17.00%	47.50%	17.00%	4.75%

Rate Revenue Projection

Rate Revenue Increase Projections - Return Flow/Sewer View												
		2018		2019		2020		2021		2022		2023
Return Flow Rate Increase		100.00%		200.00%		17.00%		47.50%		17.00%		4.75%
Return Flow Rate Rev. (annualized)	\$	1,200,000	\$	3,542,729	\$	4,095,814	\$	5,987,713	\$	6,959,109	\$	7,253,539
Sewer Rate Increase		9.61%		9.25%		9.50%		9.50%		9.00%		9.00%
Sewer Rate Revenues	\$	14,631,887	\$	15,985,336	\$	17,503,943	\$	19,166,817	\$	20,891,831	\$	22,772,096
Combined RF/Swr Rate Revenues	\$	15,831,887	\$	19,528,065	\$	21,599,757	\$	25,154,530	\$	27,850,940	\$	30,025,635
Combined RF/Swr Rate Increase		16.89%		23.35%		10.61%		16.46%		10.72%		7.81%



Rate Revenue Projection

		Rate Rever	nue	Increase Proje	ecti	ons - Global V	/iev	v		
		2018		2019		2020		2021	2022	2023
Return Flow Rate Increase		100.00%		200.00%		17.00%		47.50%	17.00%	4.75%
Return Flow Rate Rev. (annualized)	\$	1,200,000	\$	3,542,729	\$	4,095,814	\$		\$ 6,959,109	\$ 7,253,539
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Combined RF/Swr Rate Revenues	\$	15,831,887	\$	19,528,065	\$	21,599,757	\$	25,154,530	\$ 27,850,940	\$ 30,025,635
Combined RF/Swr Rate Increase		16.89%		23.35%		10.61%		16.46%	10.72%	7.81%
Water Rate Increase		9.69%		0.00%		20.00%		10.00%	0.00%	15.00%
Water Rate Revenues	\$	11,493,700	\$	11,264,800	\$	13,344,600	\$	14,539,200	\$ 14,435,900	\$ 16,513,200
Combined RF/Swr/Wtr Rate Revenues	\$	27,325,587	\$	30,792,865	\$	34,944,357	\$	39,693,730	\$ 42,286,840	\$ 46,538,835
Combined RF/Swr/Wtr Rate Increase		13.75%		12.69%		13.48%		13.59%	6.53%	10.06%
	25.00%									
	20.00%									

2019

2020

2021

2022

2023

15.00%

10.00%

5.00%

0.00%

2018

Rate Revenue Projection

Rate Revenue Increase Projections - Global View

						2.13 2.10.10.1					_	
		2018		2019		2020	1	2021		2022		2023
Return Flow Rate Increase		100.00%		200.00%	ı	17.00%	ı	47.50%)	17.00%	ı	4.75%
Return Flow Rate Rev. (annualized)	\$		\$	3,542,729	\$	4,095,814						7,253,539
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Sewer Rate Revenues	\$	14,631,887	\$	15,985,336	\$	17,503,943	\$	19,166,817	\$	20,891,831	\$	22,772,096
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Combined RF/Swr Rate Increase		16.89%	-	23.35%	-	10.61%		16.46%		10.72%		7.81%
Water Rate Increase		9.69%		0.00%		20.00%		10.00%		0.00%		15.00%
Water Rate Revenues	\$	11,493,700	\$	11,264,800	\$	13,344,600	\$	14,539,200	\$	14,435,900	\$	16,513,200
Combined RF/Swr/Wtr Rate Revenues	\$		\$	30,792,865	\$	34,944,357				42,286,840		46,538,835
Combined RF/Swr/Wtr Rate Increase		13.75%	-	12.69%	-	13.48%		13.59%		6.53%		10.06%
		Utility Billing I	mp	act - Global V	iew	ı - Single Resid	den	tial				
		2018	_	2019	_	2020	 1	2021	_	2022	_	2023
		\$/Yr		\$/Yr		\$/Yr		\$/Yr		\$/Yr		\$/Yı
Return Flow	\$	· ·	\$	۶۶٬۱۱ 88.77		103.86		· ·		* *		۶/۱۱ 187.74
Sewer	7	377.20	Y	412.09	7	451.24	Y	494.11	7	538.58	7	587.05
RF/Swr	ċ	406.79	Ś	500.86	Ś	555.10	\$	_	<u> </u>		Ś	774.79
	Þ	406.79 344.40	Þ		Þ		Ą		Ą		Þ	
Water	_		_	344.40	_	413.28	_	454.61	_	454.61	_	522.80
RF/Swr/Wtr	\$	751.19	\$	845.26	\$	968.38	\$	1,101.90	\$	1,172.41	\$	1,297.59

**Assumes 48,000 gallons used annually.

How do we compare to our neighbors?

	<u>2018</u>
Average Waukesha County Water and Sewer Bill	\$ 774.60
(Brookfield, Hartland, Menomonee Falls, Mukwonago, Muskego, New Berlin, Oconomowoc, Pewaukee, Sussex, Waukesha) • Average Milwaukee County Water and Sewer Bill	\$ 963.11
(Cudahy, Fox Point, Franklin, Greendale, Greenfield, Hales Corners, Milwaukee, Oak Creek, St. Francis, Shorewood, Wauwatosa, West Allis) • Projected City of Waukesha Water and Sewer Bill	\$ 751.19

City of Waukesha Department of Public Works 2018 Return Flow Sewer Service Charge Schedule Effective June 1, 2018

Published pursuant to Waukesha Municipal Code §29.12

Inside Users	Rate	Notes
Return Flow Base Volumetric Rate - §29.12(c)(2)	\$0.62	per 1000 gallons
Unmetered quarterly Return Flow flat charge - §29.12(b)	\$18.60	per quarter
Outside Users	Rate	Notes
Return Flow Base Volumetric Rate - §29.12(c)(2)	\$0.62	per 1000 gallons
Unmetered quarterly Return Flow flat charge - §29.12(b)	\$18.60	per quarter
Hauled Waste Return Flow Rates	Rate	Notes
Septic Return Flow rate	\$0.62	per 1000 gallons
Chemical toilet Return Flow rate	\$0.62	per 1000 gallons
Holding tank Return Flow rate	\$0.62	per 1000 gallons