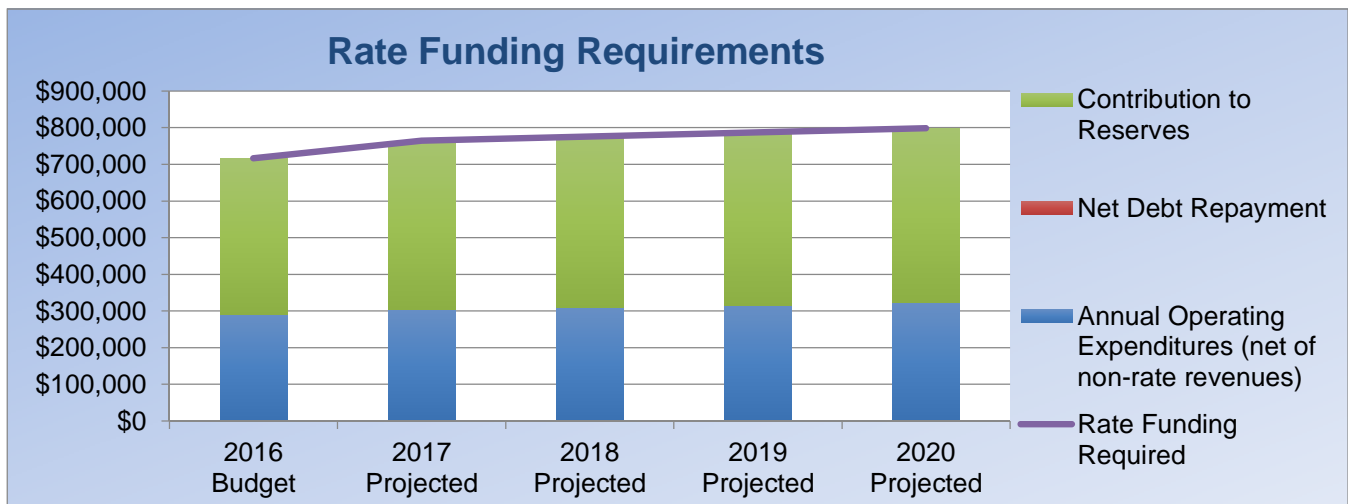




## Wastewater - Norwich Rates 2017 to 2020

Expenditures					
	2016 Budget	2017 Projected	2018 Projected	2019 Projected	2020 Projected
<b>Operating Expenditures<sup>1</sup></b>					
Annual Operating Expenditures (net of non-rate revenues)	\$291,423	\$305,030	\$309,374	\$315,898	\$322,256
Net Debt Repayment	-	-	-	-	-
<b>Total</b>	<b>291,423</b>	<b>305,030</b>	<b>309,374</b>	<b>315,898</b>	<b>322,256</b>
<b>Asset Replacement Reserve Contribution</b>					
Capital Replacement Requirements (AMP)	197,884	201,842	205,879	209,997	214,197
<b>Contribution to Reserves</b>	<b>425,135</b>	<b>459,427</b>	<b>467,008</b>	<b>471,555</b>	<b>476,338</b>
<b>DC Past Projects</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Rate Funding Required</b>	<b>\$716,558</b>	<b>\$764,457</b>	<b>\$776,382</b>	<b>\$787,453</b>	<b>\$798,594</b>
		7%	2%	1%	1%



Capital Expenditures					
	2016 Budget	2017 Projected	2018 Projected	2019 Projected	2020 Projected
<b>Total Gross Capital Expenditures</b>	995,520	1,522	160,000	-	880,000
<b>Less: Debentures</b>	-	-	-	-	-
<b>Less: Funding from Other Sources<sup>2</sup></b>	(55,000)	-	-	-	(700,000)
<b>Funding from Reserves</b>	<b>\$940,520</b>	<b>\$1,522</b>	<b>\$160,000</b>	<b>-</b>	<b>\$180,000</b>

<sup>1</sup> Based on 2016 budget; Existing and proposed debenture requirements as related to 2016 capital budget; Net debt repayment includes gross debt repayment less recoveries from resident and related development charges

<sup>2</sup> Sources include CSAP, customer or developer contributions, DC charges



## Wastewater - Norwich Rates 2017 to 2020

User Rates				
	2017 Projected <sup>1</sup>	2018 Projected	2019 Projected	2020 Projected
<b>Flat Rate Structure</b>				
Total Annual Revenue from Flat Rate	785	785	785	785
<b>Metered Rate Structure</b>				
Total Annual Fixed Revenue	482,489	489,123	495,757	502,391
Total Annual Consumption Based Revenue	281,183	286,474	290,911	295,418
<i>Fixed as % of Total Revenues</i>	63.2%	63.1%	63.1%	63.0%
<i>Consumption as % of Total Revenues</i>	36.8%	36.9%	36.9%	37.0%

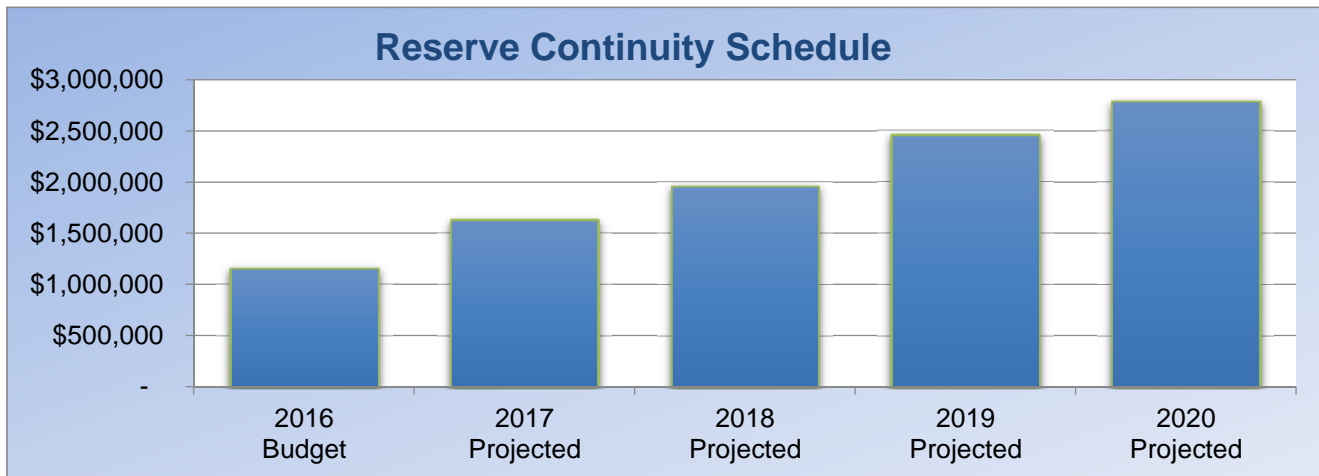
	2016 Budget	2017 Projected <sup>1</sup>	2018 Projected	2019 Projected	2020 Projected
<b>Charge Per Typical Metered House (170m3/year)</b>					
Fixed Charge	390	390	390	390	390
Consumption Charge	187	191	195	198	202
<b>Annual Charge</b>	<b>\$577</b>	<b>\$581</b>	<b>\$585</b>	<b>\$589</b>	<b>\$593</b>
<i>Annual Increase (%)</i>		0.6%	0.7%	0.7%	0.7%
<b>Charge Per Typical Commercial (618m3/month)</b>					
Fixed Charge (2" meter)	1,131	1,131	1,131	1,131	1,131
Consumption Charge	10,280	10,485	10,695	10,909	11,127
<b>Annual Charge</b>	<b>\$11,411</b>	<b>\$11,616</b>	<b>\$11,826</b>	<b>\$12,040</b>	<b>\$12,258</b>
<i>Annual Increase (%)</i>		1.8%	1.8%	1.8%	1.8%
<b>Charge Per Typical Industrial (2500m3/month)</b>					
Fixed Charge (3" meter)	4,291	4,291	4,291	4,291	4,291
Consumption Charge	40,511	41,322	42,148	42,991	43,851
<b>Annual Charge</b>	<b>\$44,802</b>	<b>\$45,613</b>	<b>\$46,439</b>	<b>\$47,282</b>	<b>\$48,142</b>
<i>Annual Increase (%)</i>		1.8%	1.8%	1.8%	1.8%
<b>Charge Per Typical Industrial (10000m3/month)</b>					
Fixed Charge (6" meter)	8,193	8,193	8,193	8,193	8,193
Consumption Charge	160,211	163,416	166,684	170,018	173,418
<b>Annual Charge</b>	<b>\$168,404</b>	<b>\$171,609</b>	<b>\$174,877</b>	<b>\$178,211</b>	<b>\$181,611</b>
<i>Annual Increase (%)</i>		1.9%	1.9%	1.9%	1.9%

<sup>1</sup> 2017 Rates are anticipated to take effect March 1, 2017; 2016 are held over until then; Actual charges will vary



## Wastewater - Norwich Rates 2017 to 2020

Reserve Continuity Schedule					
	2016 Budget	2017 Projected	2018 Projected	2019 Projected	2020 Projected
<b>Opening Balance</b>	\$1,649,001	\$1,155,877	\$1,629,387	\$1,958,391	\$2,456,385
Interest Allocation	22,262	15,604	21,997	26,438	33,161
Transfer to Reserves	425,135	459,427	467,008	471,555	476,338
Transfer from Reserves	(940,520)	(1,522)	(160,000)	-	(180,000)
<b>Net Contribution to (from) Reserves</b>	<b>\$(493,123)</b>	<b>\$473,509</b>	<b>\$329,005</b>	<b>\$497,993</b>	<b>\$329,499</b>
<b>Closing Balance</b>	<b>\$1,155,877</b>	<b>\$1,629,387</b>	<b>\$1,958,391</b>	<b>\$2,456,385</b>	<b>\$2,785,884</b>





## Wastewater - Norwich

### Rates 2017 to 2020

	2016 Rates	2017 Proposed Rates	2018 Proposed Rates	2019 Proposed Rates	2020 Proposed Rates
<b>Metered Structure</b>					
<b>1) Consumption - Charge per cubic meter</b>					
<b>a) County</b>					
0-15 cubic metres/month	\$1.10	\$1.12	\$1.14	\$1.17	\$1.19
16-45 cubic metres/month	\$1.43	\$1.46	\$1.49	\$1.52	\$1.55
46-850 cubic metres/month	\$1.54	\$1.57	\$1.60	\$1.63	\$1.67
851 + cubic metres/month	\$1.32	\$1.35	\$1.37	\$1.40	\$1.43
<i>Increase (%)</i>		2.0%	2.0%	2.0%	2.0%
<b>b) County - ICI</b>					
0-15 cubic metres/month	\$1.05	\$1.07	\$1.09	\$1.11	\$1.14
16-45 cubic metres/month	\$1.29	\$1.32	\$1.34	\$1.37	\$1.40
46-850 cubic metres/month	\$1.40	\$1.43	\$1.46	\$1.49	\$1.52
851 + cubic metres/month	\$1.33	\$1.36	\$1.38	\$1.41	\$1.44
<i>Increase (%)</i>		2.0%	2.0%	2.0%	2.0%
<b>2) Fixed Charge - Charge per cubic meter</b>					
Less than 1"	\$32.52	\$32.52	\$32.52	\$32.52	\$32.52
Less than 1" - ICI	-	-	-	-	-
1"	\$45.52	\$45.52	\$45.52	\$45.52	\$45.52
1 1/2"	\$58.52	\$58.52	\$58.52	\$58.52	\$58.52
2"	\$94.28	\$94.28	\$94.28	\$94.28	\$94.28
3"	\$357.62	\$357.62	\$357.62	\$357.62	\$357.62
4"	\$455.16	\$455.16	\$455.16	\$455.16	\$455.16
6"	\$682.73	\$682.73	\$682.73	\$682.73	\$682.73
8"	-	-	-	-	-
Greater than 10"	-	-	-	-	-
<i>Increase (%)</i>		0.0%	0.0%	0.0%	0.0%
<b>Flat Structure</b>					
Monthly Fee <sup>1</sup>	\$65.40	\$120.00	\$122.40	\$124.85	\$127.34
<i>Increase (%)</i>		83.5%	2.0%	2.0%	2.0%
Special Circumstances Customer <sup>2</sup>	\$70.00	\$70.00	\$71.40	\$72.83	\$74.28
<i>Increase (%)</i>		0.0%	2.0%	2.0%	2.0%

<sup>1</sup> Customers who have not had a water meter installed shall have a flat rate charge in accordance with By-Law 5846-2016 (rate increase effective in 2017)

<sup>2</sup> As approved by the Director of Public Works; 2016 rate in accordance with By-Law 5846-2016

\* Special agreements may be in place for large meter sizes