

**Village of Coxsackie Water System
Rate Analysis and Rate Recommendation 11.12.15**

Debt Repayment Calculations	
Annual Debt to be Paid	\$ 170,043
DOCS at 40%	\$ 68,017
All other users at 60%	\$ 102,026
DOCS \$/1000 gal debt service	\$ 1.06

O&M Calculations Assumptions:		
DOCS \$/1000 gallons based on use		
Town charges are 1.5 times Village		
O&M to be shared by all users	\$ 904,628.50	
DOCS Portion of O&M 40%	\$ 361,851.40	
DOCS GPY	64,000,000	
DOCS O&M \$/1000 gallons based on use	\$ 5.65	DOCS O&M Revenue
DOCS O&M \$/1000 gallons w contingency	\$ 5.95	\$ 380,800.00

DOCS combined \$/1000 Rate O&M Plus Debt	\$ 7.01
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O&M Revenue reqt for all users except DOCS (w meters)	\$ 577,727.10
Debt Revenue reqt for all users except DOCS	\$ 102,025.86
Total Revenue reqt all users except DOCS	\$ 679,752.96

Minimum for all users except DOCS	Minimum	Revenue	
Village Users Current	\$ 62.75	\$ 240,960	
Town Users Current	\$ 120.00	\$ 99,840	Revenue Deficit
	total	\$ 340,800	\$ (338,953)

Over 10,000 gal per quarter \$/1000	\$/1000
Village Users	\$ 5.00
Town Users (1.5 x)	\$ 7.50

O&M minimum Ramp Up over 4 Quarters 2016	Village	Town	
Quarter 1	\$ 77.75	\$ 120.00	
Quarter 2	\$ 92.75	\$ 141.38	
Quarter 3	\$ 107.75	\$ 162.76	
Quarter 4	\$ 122.75	\$ 184.13	(1.5 X Village)
Village rates increase \$15 per quarter	\$ 0.17	Daily Increase	
Town rates increase \$21.38 per quarter	\$ 0.24	Daily Increase	

Revenue from minimums	Village	Town	minimum rev
Annual for the Minimum During 1 year Ramp Up	\$ 384,960	\$ 126,519	\$ 511,479
Annual for the Minimum After Ramp Up	\$ 471,360	\$ 153,192	\$ 624,552

Revenue from overages	Villages	Towns	Total
Quarterly	\$ 40,324	\$ 19,550	
Yearly	\$ 161,295	\$ 78,199	\$ 239,495

Compare to Budget	Total all rev	Compare to Budget
Year 1 Ramp Up	\$ 750,974	\$ 71,221
After Ramp Up	\$ 864,047	\$ 184,294

		Current Annual	Annual Increase
Village Annual at minimum after ramp up	\$ 491.00	\$ 250.00	\$ 241.00
Town Annual at minimum after ramp up	\$ 736.50	\$ 480.00	\$ 256.50

Previously proposed flat rate Village	\$ 545.00
Previously proposed flat rate Town	\$ 802.50