

Village of Carol Stream

SPECIAL WORKSHOP MEETING

MONDAY-MARCH 6, 2017

6:00 P.M.

CAROL STREAM FIRE PROTECTION DISTRICT

FIRE STATION 28

365 KUHN ROAD

CAROL STREAM, ILLINOIS 60188

TRAINING ROOM

AGENDA

1. CALL TO ORDER
2. ATTENDANCE
3. FY18 BUDGET WORKSHOP #2-WATER/SEWER FUND AND OTHER FUNDS
4. INTRODUCTION TO SMALL CELL ANTENNAS
5. OTHER BUSINESS
6. ADJOURNMENT



Village of Carol Stream

FY 17/18

Budget Workshop #2

WATER & SEWER FUND

and OTHER FUNDS

March 6, 2017

Agenda

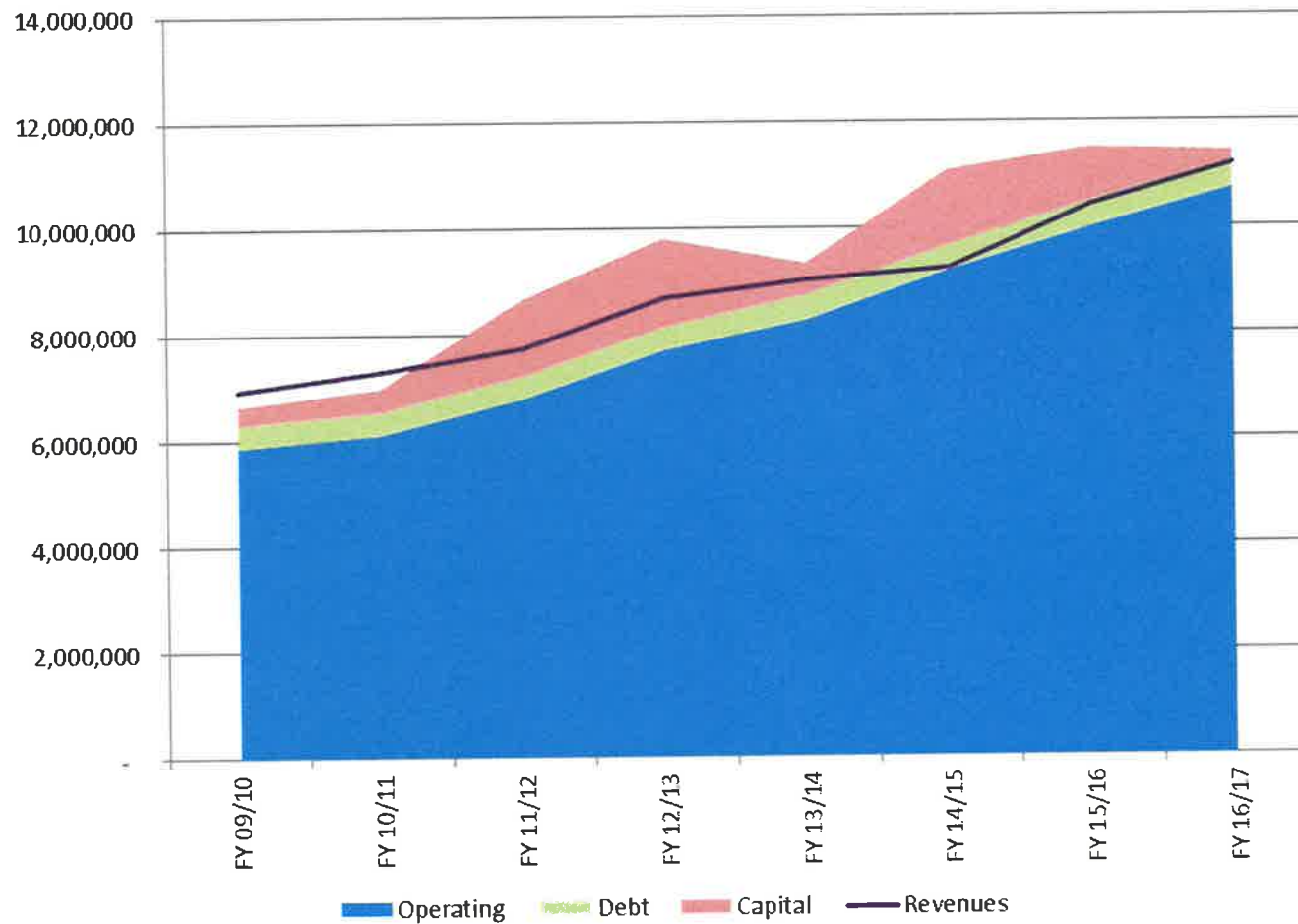
- Water and Sewer Fund
 - Long Term Trends
 - Current FY16/17 Projected Performance
 - Proposed FY17/18 Budget
 - Water Meter Change-out Program Proposal (Phil Modaff)
 - Water / Sewer Rate Discussion and Proposal
- Other Funds
 - Police Pension Fund
 - Geneva Crossing TIF Fund
 - North / Schmale TIF Fund
- Questions / Adjourn



Water & Sewer Fund FY17/18

- Enterprise Operation. Cost of providing service is covered by rates charged to users of the Water and Sanitary Sewer systems. 95% of all revenues come directly from water/sewer rates.
- Funding used exclusively for Water/Sewer operating and capital costs (no subsidies from General Fund or other funds).
- Rates must be set to cover day to day system operating expenses as well as provide for current and future capital replacements and rehabilitations.

Water & Sewer Fund Expenses by Type vs Revenues



Water & Sewer Fund Reserve Levels

Cash balances have declined in 7 of the last 8 years

FY09/10	\$ 16,636,976	\$ (136,734)
FY10/11	17,371,358	734,382
FY11/12	16,869,569	(501,789)
FY12/13	15,424,480	(1,445,089)
FY13/14	14,903,910	(520,570)
FY14/15	13,280,883	(1,623,027)
FY15/16	11,744,504	(1,536,379)
FY16/17 est.	11,501,817	(242,687)

Spend-down of reserves over 8 years = \$5,271,893

Use of reserves for Capital is an appropriate use,
however cannot be sustained indefinitely

Water & Sewer Fund Reserve Levels

April 30	Cash Balance	Change in Cash Balance	Minimum 25% Operating Reserve	Balance Available to Capital
FY09/10	16,636,976	(136,734)		
FY10/11	17,371,358	734,382	1,651,212	15,720,147
FY11/12	16,869,569	(501,789)	1,644,500	15,225,069
FY12/13	15,424,480	(1,445,089)	1,960,064	13,464,416
FY13/14	14,903,910	(520,570)	2,188,833	12,715,078
FY14/15	13,280,883	(1,623,027)	2,442,614	10,838,270
FY15/16	11,744,504	(1,536,379)	2,769,845	8,974,659
FY16/17 Est.	11,501,817	(242,687)	2,769,845	8,731,972
FY17/18 proj.	7,463,751	(4,038,066)	2,916,517	4,547,234
FY18/19 proj.	4,943,204	(2,520,547)	3,019,137	1,924,067
FY19/20 proj.	1,577,429	(3,365,775)	3,130,194	(1,552,765)



Water & Sewer Fund Historical Perspective Recap

- Water Costs have had the most notable impact on Fund performance.
- We have drawn from reserves in each of the last 6 years to complete Capital Projects without replenishing.
- In the last 3 years, the Fund is not raising enough money to fully cover Operating Expenses + Debt. No new reserves are being generated for future Capital Projects.
- Based on the current proposed budget, cash reserves available for Capital Projects will be reduced to zero within the next 3 years and the Water & Sewer Fund will be unable to meet the policy minimum 25% Operating Reserve.

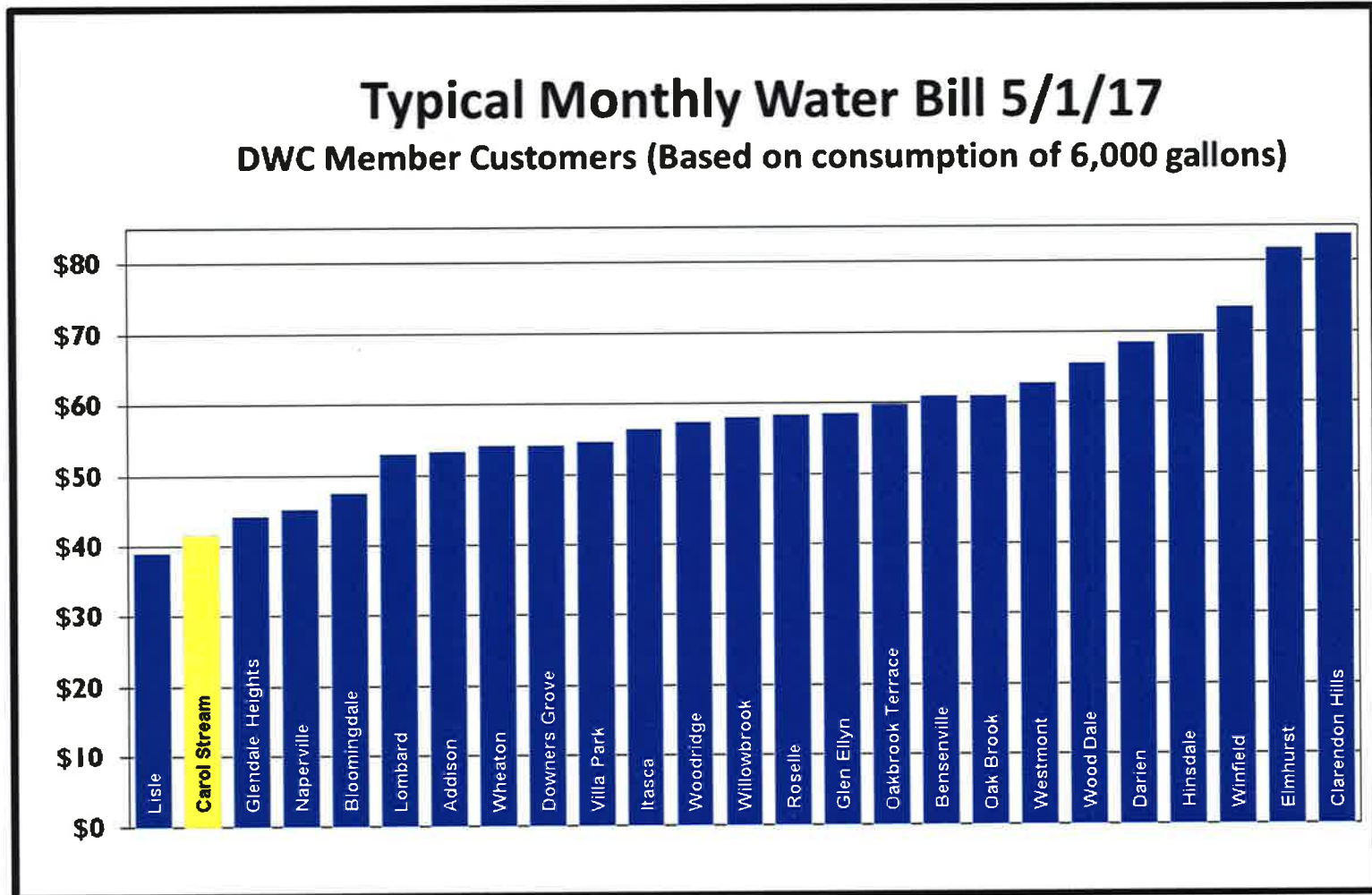
Historical Water Rates 2012 to 2016

Date	Chicago Charge to DWC			DWC Charges to Municipalities					Carol Stream Charges to Customers		
	Rate	\$ Inc.	% Inc.	Variable	Fixed	Total	\$ Inc.	% Inc.	Rate	\$ Inc.	% Inc.
5/1/2011	\$ 2.01			\$ 2.04	\$ 0.26	\$ 2.30			\$ 4.09		
1/1/2012	2.51	0.50	25%	2.73	0.26	2.99	0.69	30%	4.78	0.69	17%
1/1/2013	2.89	0.38	15%	3.32	0.26	3.58	0.59	20%	5.37	0.59	12%
1/1/2014	3.32	0.43	15%	3.97	0.26	4.23	0.65	18%	6.02	0.65	12%
1/1/2015	3.82	0.50	15%	4.68	0.26	4.94	0.71	17%	6.73	0.71	12%
5/1/2015	3.82	-		4.85	-	4.85	(0.09)	-2%	6.73	-	0%
5/1/2016	3.82	-		4.80	-	4.80	(0.05)	-1%	6.93	0.20	3%
6/1/2017	3.90	0.08	2%	4.88		4.88	0.08	2%			

Historical Water Rates 2012 to 2016

- During the 7 year period of Chicago / DWC rate increases, Carol Stream chose to restrict its increases in water rates to cover ONLY our added water purchase costs. During this time, rate increases did not cover increases in other operating cost areas or decreased water demand/sales.
- Beginning last year (5/1/16), due to declining reserves and the inability of rates to fully cover operating costs and debt, we proposed a multi-year effort to “right size” rates to enable operating cost coverage as well as plan for funding of future capital projects.
- Projected Chicago increase of 8 cents to DWC eff 6/1/17.
- Additional rate increases will be needed 5/1/17 and beyond.

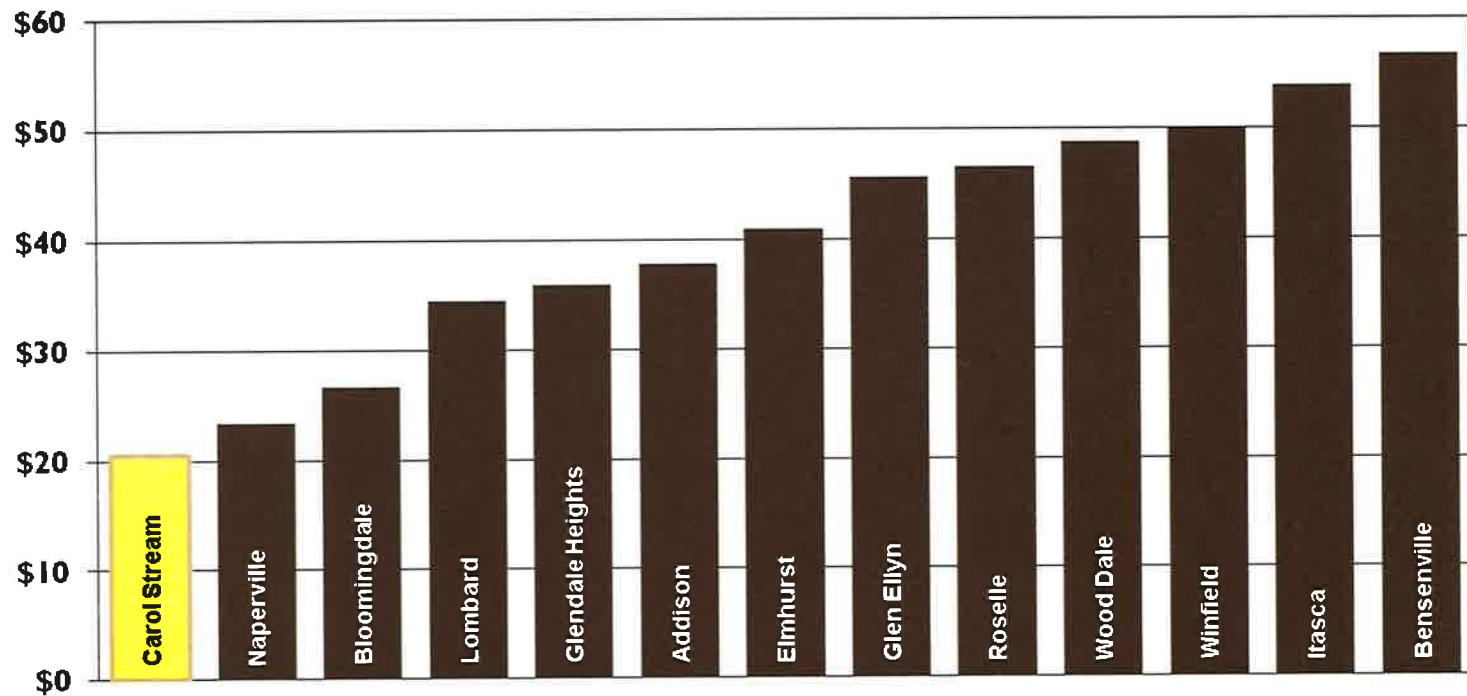
Water & Sewer Fund Community Comparison – Water



Source: Municipal Websites 3/1/17.

Water & Sewer Fund Community Comparison – Sewer

Typical Monthly Sanitary Sewer Bill 5/1/17 DWC Member Customers (Based on water consumption of 6,000 gallons)



Source: Municipal web sites 3/1/17

Includes those municipal members that bill for sewage treatment or operate sewage treatment facilities.



Water & Sewer Fund Current Year FY16/17 Projected Performance

FY16/17 REVENUES

- Billed consumption is up by 4.1% from May to December 2016 compared to 2015. We project this will continue through the end of FY16/17.
- 2 consecutive years of growth in billed consumption (FY16/17 est. 4.1%, FY15/16 actual 0.9%).
- Consumption appears to have stabilized somewhat compared to longer trend of general decline.
- Project total Fund revenues to be above budget by \$492,000 or 4.6%. This is also \$747,000 or 7.2% above FY15/16 actual revenues.

Water & Sewer Fund Current Year FY16/17 Projected Performance

FY16/17 OPERATING EXPENSES

	Budget FY16/17	Estimated FY16/17	% Budget
Salaries & Wages	1,379,423	1,337,352	97.0%
Contractual Services			
Water Commission	5,487,000	5,956,000	108.5%
WRC Contract	1,765,013	1,735,013	98.3%
All Other	<u>1,599,070</u>	<u>1,340,685</u>	83.8%
Total Contractual	8,851,083	9,031,698	
Commodities	361,370	360,133	99.7%
Debt	<u>487,504</u>	<u>487,504</u>	100.0%
TOTAL OPERATING	<u>\$ 11,079,380</u>	<u>\$ 11,216,687</u>	101.2%

Water & Sewer Fund Current Year FY16/17 Projected Performance

FY16/17 EXPENSES

- Total projected **Operating Expenses** exceed total projected revenues of \$11.175M for FY16/17, creating a deficit before capital expenses.
- Net Fund Loss (before capital) of **(\$41,687)**.
- With **Capital** added, Net Fund Loss for FY16/17 projected at **(\$242,687)**.
- By comparison, our planned (Budgeted) Net Fund Loss for FY16/17 was **(\$3,141,605)**.
- The most significant difference between projected and planned performance is the result of not completing the Schmale Road Water Main Project budgeted at \$2,278,000.



Water & Sewer Fund FY17/18

CURRENT AND PROPOSED 3 YEAR WATER & SEWER FUND BUDGET AND PLANNING HORIZION

- The draft budget/plan presently shows the fund impact using current water and sewer rates.
- We will discuss rate impacts/recommendations near the conclusion.



Water & Sewer Fund Proposed FY17/18

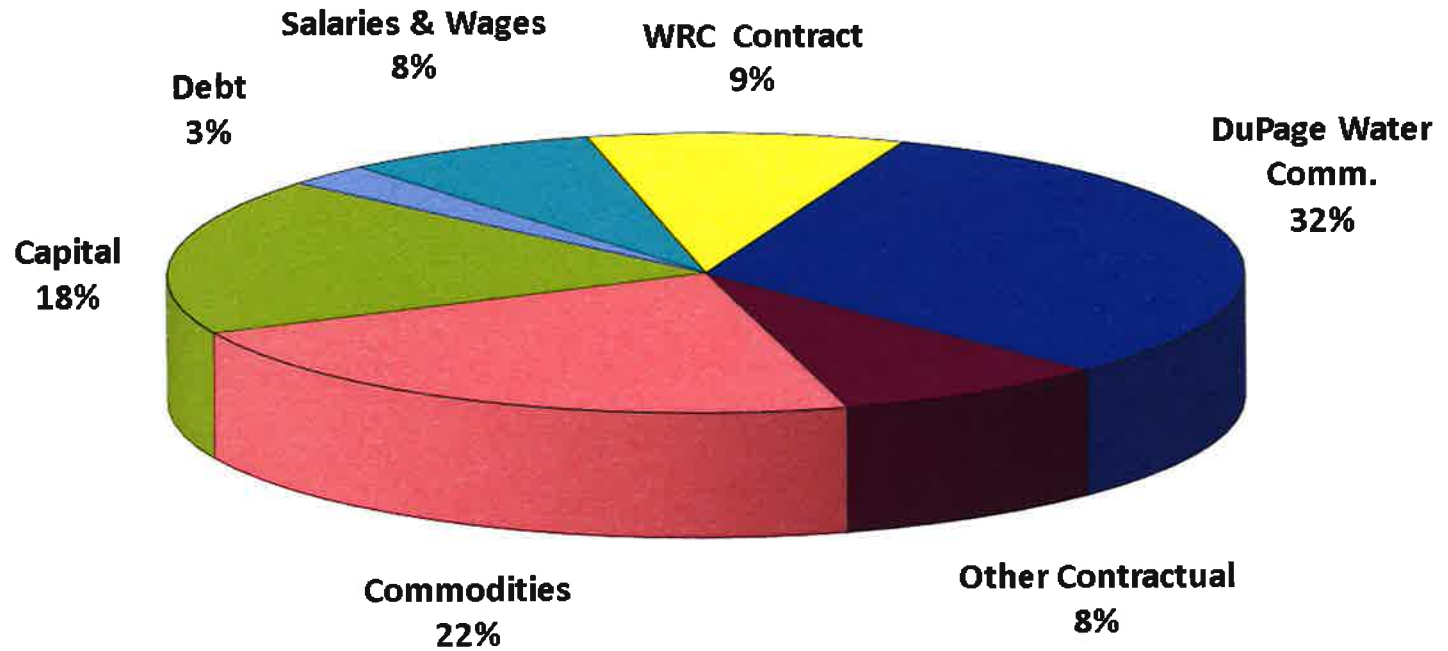
REVENUES

- Projecting water consumption at same level as FY16/17 estimate.
- This assumes billing of 1.089 billion gallons.
- Also assumed in FY17/18 is borrowing of **\$4.13M** to complete a comprehensive **water meter replacement program** which was evaluated during FY16/17 (discussed in more detail later).
 - Borrowing is now necessary to complete a capital program of this nature and scope.



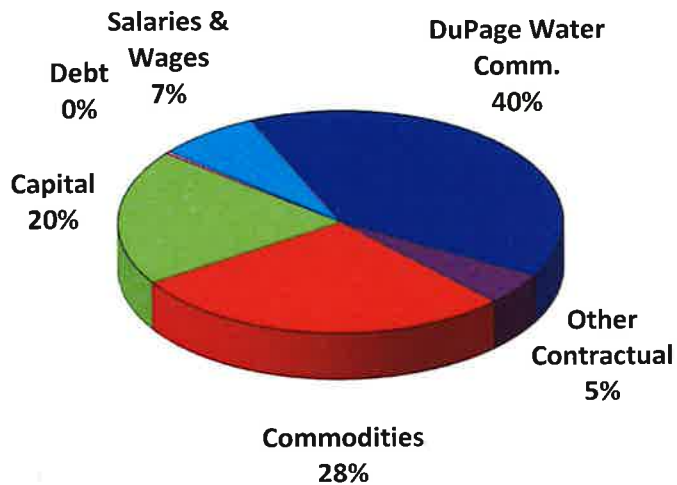
EXPENSES

Village of Carol Stream Water & Sewer Fund Proposed Expenses by Category FY17/18

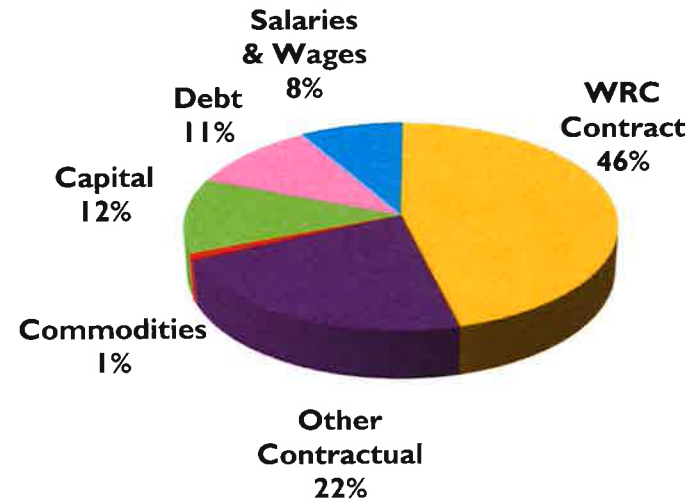


Village of Carol Stream Water & Sewer Fund Proposed Expenses by Category FY17/18

Water Division



Sewer Division



Village of Carol Stream

Draft Water & Sewer Fund Budget Expenditures FY17/18 Proposed Compared to FY16/17 Budget

	Actual FY15/16	Revised Budget FY16/17	Estimated FY16/17	Proposed Budget FY17/18	FY17/18 Proposed to FY16/17 Budget	
OPERATING COSTS						
Salaries & Wages	1,271,726	1,379,423	1,337,352	1,464,078	60,990	4.4%
Contractual Services						
Water Commission	5,662,812	5,487,000	5,956,000	6,080,000	593,000	10.8%
WRC Contract	1,714,093	1,765,013	1,735,013	1,831,000	65,987	3.7%
All Other	<u>1,051,236</u>	<u>1,599,070</u>	<u>1,340,685</u>	<u>1,600,007</u>	<u>937</u>	0.1%
Total Contractual	8,428,141	8,851,083	9,031,698	9,511,007	659,924	7.5%
Commodities	290,732	361,370	360,133	4,334,458	* 3,973,088	1099.5%
Debt	<u>94,195</u>	<u>487,504</u>	<u>487,504</u>	<u>486,523</u>	<u>(981)</u>	-0.2%
TOTAL OPERATING	10,084,794	11,079,380	11,216,687	15,796,066	4,693,021	42.4%
CAPITAL COSTS						
	<u>1,011,919</u>	<u>2,745,225</u>	<u>201,000</u>	<u>3,487,000</u>	<u>741,775</u>	27.0%
Total	<u>\$ 11,096,713</u>	<u>\$ 13,824,605</u>	<u>\$ 11,417,687</u>	<u>\$ 19,283,066</u>	<u>5,458,461</u>	39.5%

* Includes proposed meter replacement program at \$4,130,000

Water & Sewer Fund FY17/18

OPERATING EXPENSE HIGHLIGHTS

- No staffing changes from FY16/17.
- Cost of Water +\$593,000 (10.8%) compared to FY16/17 budget due to anticipated 8 cent Chicago/DWC increase on 6/1/17 plus increased consumption greater than budgeted in FY16/17.
- Commodities increase due to \$4.13M proposed meter replacement program following FY16/17 consultant study.
- Increase in Capital improvements of \$742,000 over FY16/17 (details on next page).

Water & Sewer Fund Capital Summary - FY17/18

Water System

Schmale Road Water Main Replacement	\$	2,743,000	*
Vehicle Replacements			
Supervisor Vehicle F250 4X4		45,000	
Backhoe Replacement		120,000	
Other Equipment - Chlorine Analyzer + Locator		11,000	
Water System Study		<u>105,000</u>	*
Total Water	\$	<u>3,024,000</u>	

Sewer System

WRC Grit Bldg. Roof Replacement	\$	82,000	
WRC Secondary Clarifier Improvement		100,000	
Aztec Drive Sewer Lining		215,000	*
North Ave. Sewer Rehab. (design)		<u>66,000</u>	*
Total Sewer	\$	<u>463,000</u>	

Total Capital Improvement	\$	<u><u>3,487,000</u></u>	
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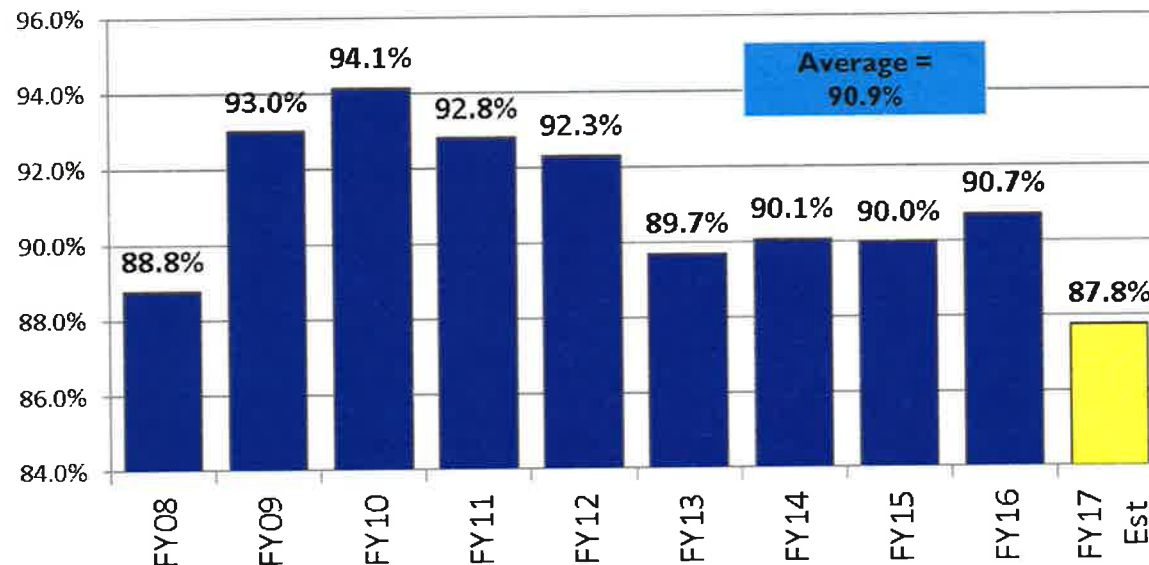
* Rebudgeted from FY16/17

Water Meter Replacement Program



Consumption and Sales Trends

- Water consumption has seen a significant decrease in the last decade. This is seen in the **20.6% reduction in water purchased** from the DuPage Water Commission during that period.
- In addition, in that same period there is an average of approximately **9.1% difference** in water purchased versus water sold.



Strategies to Address Loss

- Large meter (2” and larger) testing and replacement program
 - 239 (63%) have been replaced due to testing results OR due to age.
 - A sample (44) of replaced large meters yielded the following results when comparing recorded consumption over twelve month periods pre- and post-replacement:
 - Recorded consumption increased on average 37%
 - Recorded consumption increased overall by 24% (21 million gallons worth \$217,350)
- Bi-annual, system-wide leak detection
- Quick response to any leaks found

Metering System Assessment

- Residential meters
 - Commissioned a consultant review of water metering system in 2016
 - Scope included:
 - Review inventory of meters and AMR's (style, age and potential loss due to age)
 - Review metering processes (Finance and Public Works)
 - Present a review of current meter technologies
 - Prepare an estimate of the cost of replacing residential meter stock



Metering Components (what we have)

- The traditional meter, called a volumetric meter, simply records the volume of water that passes through. No power source is necessary for the meter to operate
- Automatic meter readers (AMR) is a technology that serves as a one-way communication device that automatically collects data recorded by a meter and transmits it to a central database for analysis and billing purposes. AMR units are powered by batteries.
- Our meters are read via a “drive-by” vehicle (contractor) that captures transmitted data recorded by the meter and collected by the AMR device.

Metering Components (newer technology)

- Electromagnetic water meters have no moving parts, measuring the magnetic field in the measuring chamber to determine flow rates. Their measurements can be accurate to within 0.25 percent and are powered by newer battery technology that offers 20-year life span (10 years guaranteed and 10 years pro-rated in case of failure).
- Advanced Metering Systems (AMI) are an advancement over the one-way AMR systems. The two-way communication ability provides remote access to meter data. The data can aid in early intervention of billing issues and provide higher customer service levels:
 - On-request reads (eliminates need to send employee to read meter)
 - Remote software upgrades to meters
 - Remote meter diagnosis and tamper detection notices
- Remote meter reading – data transmitted by the meters to a tower and then to billing office, eliminates the annual (\$44,000) cost for a contractor to read meters.

Carol Stream Residential Meters

There are approximately 10,750 residential water meters (less than 2-inches) currently in service.

Currently, over **7,000** of the meters installed in a residential environment are over **15 years old**.

Number of Meters by Age	
Age (years)	# of Meters
0 - 5	830
6 - 10	435
11 - 15	2495
16 - 20	4778
20+	2217

Carol Stream Residential AMR's

AMR's are the devices that collect the data recorded by the meter and transmit the data to the meter reader. These devices are powered by batteries with varying life expectancies between 8 and 12 years (due to improvements in battery technology).

Currently, over 5,600 of the AMR's installed in a residential environment are over **15 years old**. And another 3,500 are between 11 and 15 years old.

Number of AMR's by Age	
Age (years)	# of Meters
0 - 5	938
6 - 10	643
11 - 15	3518
16 - 20	5608
20+	0

When Should Meters Be Replaced?

- Most studies conclude that residential meters should be repaired or replaced every 15-20 years. As meters age, their loss of accuracy is seen in the understatement of water consumption.

ESTIMATED WATER LOSS BASED ON METER AGE

Meter Age	Unaccounted for water per month	Carol Stream gallons' loss based on current meter ages per month	Carol Stream gallons' loss based on current meter ages per year
Meter at least 15 years' old	54 gallons per month	146,880 gallons per month	1,762,560 gallons annually
Meters 16-20 years' old	90 gallons per month	313,740 gallons per month	3,764,880 gallons annually
Meters 21-25 years' old	378 gallons per month	850,122 gallons per month	10,201,464 gallons annually
Meters 26-30 years' old	1,656 gallons per month	231,840 gallons per month	2,782,080 gallons annually
	Totals	1,542,582 gallons per month	18,510,984 gallons annually

Given Carol Stream's meter age applied to this model, it is estimated that unaccounted the estimated loss in revenue to water fund annually is **\$128,281.12** and the estimated loss in revenue to the sewer fund is **\$63,307.57** for a total of **\$191,588.68**. These losses should be expected to increase over time as the meters continue to age.

Replacement Costs

Electromagnetic Meters Costs

Description (Meter Size)	Quantity	Unit Price	Amount
5/8 to 3/4 inch	8771	\$120.00	\$1,052,520
1 inch	1705	\$180.00	\$306,900
1.5 inch	266	\$475.00	\$126,350
2 inch	246	\$650.00	\$159,900
			\$1,645,670

MECHANICAL METER TECHNOLOGY

Mechanical Meter Costs

Description (Meter Size)	Quantity	Unit Price	Amount
5/8 to 3/4 inch	8771	\$80.00	\$701,680
1 inch	1705	\$92.00	\$156,860
1.5 inch	266	\$140.00	\$37,240
2 inch	246	\$600.00	\$147,600
			\$1,043,380

Replacement Costs

Advanced Metering Infrastructure Costs

Description	Quantity	Unit Price	Amount
Fixed Tower Based Station	1	\$50,000.00*	\$50,000
Meter Hardware Hosting Annual Fee	1	\$2,000.00**	\$2,000
Meter Software Implementation and Setup	1	\$18,000.00*	\$18,000
Meter Software Hosted Annual Fee	1	\$19,000.00**	\$19,000
			\$89,000

*One Time Cost

** Annual Cost

Meter Installation Costs

Meter Size	Quantity	Contractor Cost	In-House	Contractor Totals*	In-House Totals**
5/8 to 3/4 inch	8771	\$140.00	\$145.70	\$1,227,940.00	\$1,277,934.70
1 inch	1705	\$160.00	\$145.70	\$272,800.00	\$251,112.40
1.5 inch	266	\$385.00	\$145.70	\$102,410.00	\$39,176.48
2 inch	246	\$400.00	\$145.70	\$98,400.00	\$36,230.88
Misc. Installation Repairs		\$16,000.00	\$16,000.00	\$16,000.00	\$20,000.00
			Totals	\$1,717,550.00	\$1,624,454.30

Replacement Costs

Option 1 (electromagnetic meters – RECOMMENDED)

Meters:	\$1,645,670
AMI:	\$ 89,000
Installation:	\$1,717,550*
Contingency:	\$ 521,178 (15%)
Grand Total:	\$4,000,000

Option 2 (mechanical meters)

Meters:	\$1,043,380
AMI:	\$ 89,000
Installation:	\$1,717,550*
Contingency:	\$ 427,490 (15%)
Grand Total:	\$3,277,420

*NOTE: Installation estimate assumes contractors will perform work with a target completion of 12 months. It is **preliminarily estimated** that while the total cost to perform the installation work in-house is approximately \$90,000 less when compared to contractor costs, it would take up to five years to complete the work in-house diverting two full-time maintenance employees and one part-time secretary to complete the changeout.



Water Meter Replacement Recommendation

- Staff recommends proceeding with a complete changeout of residential meters starting in the coming fiscal year:
 - Select a solid-state, electromagnetic-type meter (Option #1).
 - Utilize contractors for installation in order to complete the changeout in roughly twelve months.
 - **Proposed budget = \$4 million** (includes a 15% contingency .
 - Fund the project via a loan/borrowing.
 - Increase water rate to pay debt over 15 years (\$.44/1000 gls).



RATE RECOMMENDATION

5/1/2017

Water & Sewer Rate History

	<u>Water</u> <u>Rate</u>	<u>Incr.</u>	<u>Sewer</u> <u>Rate</u>	<u>Incr.</u>	<u>Combined</u> <u>Increase</u>
5/1/2008	\$ 3.05		\$ 2.51		
10/1/2008	3.25	\$ 0.20	2.51	\$ -	\$ 0.20
5/1/2009	3.48	0.23	2.51	-	0.23
5/1/2010	3.88	0.40	2.62	0.11	0.51
5/1/2011	4.09	0.21	2.62	-	0.21
1/1/2012	4.78	0.69	2.62	-	0.69
1/1/2013	5.37	0.59	2.62	-	0.59
1/1/2014	6.02	0.65	2.62	-	0.65
1/1/2015	6.73	0.71	3.12	0.50	1.21
5/1/2016	6.93	0.20	3.42	0.30	0.50

Chicago/DWC direct pass-through increases.

Water & Sewer FY17/18 Budget

	Sewer Division	Water Division	Total Proposed FY17/18
Revenues	3,164,000	12,081,000	15,245,000
Expenses			
Salaries & Wages	339,388	1,124,690	1,464,078
Contractual Services			
Water Commission	-	6,080,000	6,080,000
WRC Contract	1,831,000	-	1,831,000
All Other	883,399	716,608	1,600,007
Subtotal	2,714,399	6,796,608	9,511,007
Commodities	37,628	4,296,830	4,334,458
Debt	428,651	57,872	486,523
Total Operating	3,520,066	12,276,000	15,796,066
Gain/(Loss) before Capital	(356,066)	(195,000)	(551,066)
Capital	463,000	3,024,000	3,487,000
Total Expenses	3,983,066	15,300,000	19,283,066
Fund Gain/(Loss)	\$ (819,066)	\$(3,219,000)	\$ (4,038,066)

Water & Sewer Fund FY17/18

RATE RECOMMENDATION

- Water Fund

- Each penny of water rate generates approximately \$10,900 of revenue based on anticipated water sales.
- The presented water budget falls short of covering operating and debt expenses by \$195,000 which can be neutralized with a rate increase of 18 cents.

8 cent increase anticipated from Chicago/DWC
+ 10 cents to cover remaining operating costs/debt
18 cents is on par with 20 cent water increase last May 1

Water & Sewer Fund FY17/18

RATE RECOMMENDATION

- Water Fund (continued)
 - An additional 44 cents is projected to be needed to fund debt service on the proposed water meter replacement program.
 - Debt instrument at \$4,130,000, 15 year term @ 4% interest rate = annual debt service of approx. \$480,000.
 - Anticipated debt issuance in FY17/18 with debt service beginning in FY18/19, thus we must have first year of debt service accumulated by beginning of FY18/19. This will show positive income in Water Fund before Capital of \$480,000.
 - No additional funds raised for future capital projects.
 - We will need to continue to adjust rates annually to fund future capital.

Water & Sewer Fund FY17/18

RATE RECOMMENDATION

- Sewer Fund
 - Each penny of sewer rate generates approximately \$8,700 of revenue based on anticipated water sales (less than water because there are approx. 700 customers served by Wheaton Sanitary Dist).
 - The presented sewer budget falls short of covering operating and debt expenses by \$356,000. It would take a rate increase of about 40 cents to cover this gap.
 - In an effort to more evenly spread rate increases over a number of years, we are recommending a lesser increase of 28 cents to continue to work toward fully covering operating expenses and debt.
 - No additional funds raised for future capital projects.

Village of Carol Stream Proposed Rate Increase 5/1/17

May 1, 2017 Recommended Rates

Water: Increase of \$0.62, from \$6.73 to \$7.55
Sewer: Increase of \$0.28, from \$3.42 to \$3.70

Combined: Increase of \$0.90, from \$10.35 to \$11.25

Combined increase of 8.7%

	<u>Monthly Bill*</u> <u>Before Increase</u>	<u>Monthly Bill*</u> <u>After 5/1/17</u>	<u>Net Monthly</u> <u>Increase</u>
Water	\$ 41.58	\$ 45.30	\$ 3.72
Sewer	<u>20.52</u>	<u>22.20</u>	<u>1.68</u>
Total	<u><u>\$ 62.10</u></u>	<u><u>\$ 67.50</u></u>	<u><u>\$ 5.40</u></u>

* Based on 6,000 gallons of water consumption / mo.

Water & Sewer Fund FY17/18

What Rates would be needed to fully support the current proposed FY17/18 Water & Sewer Budget?

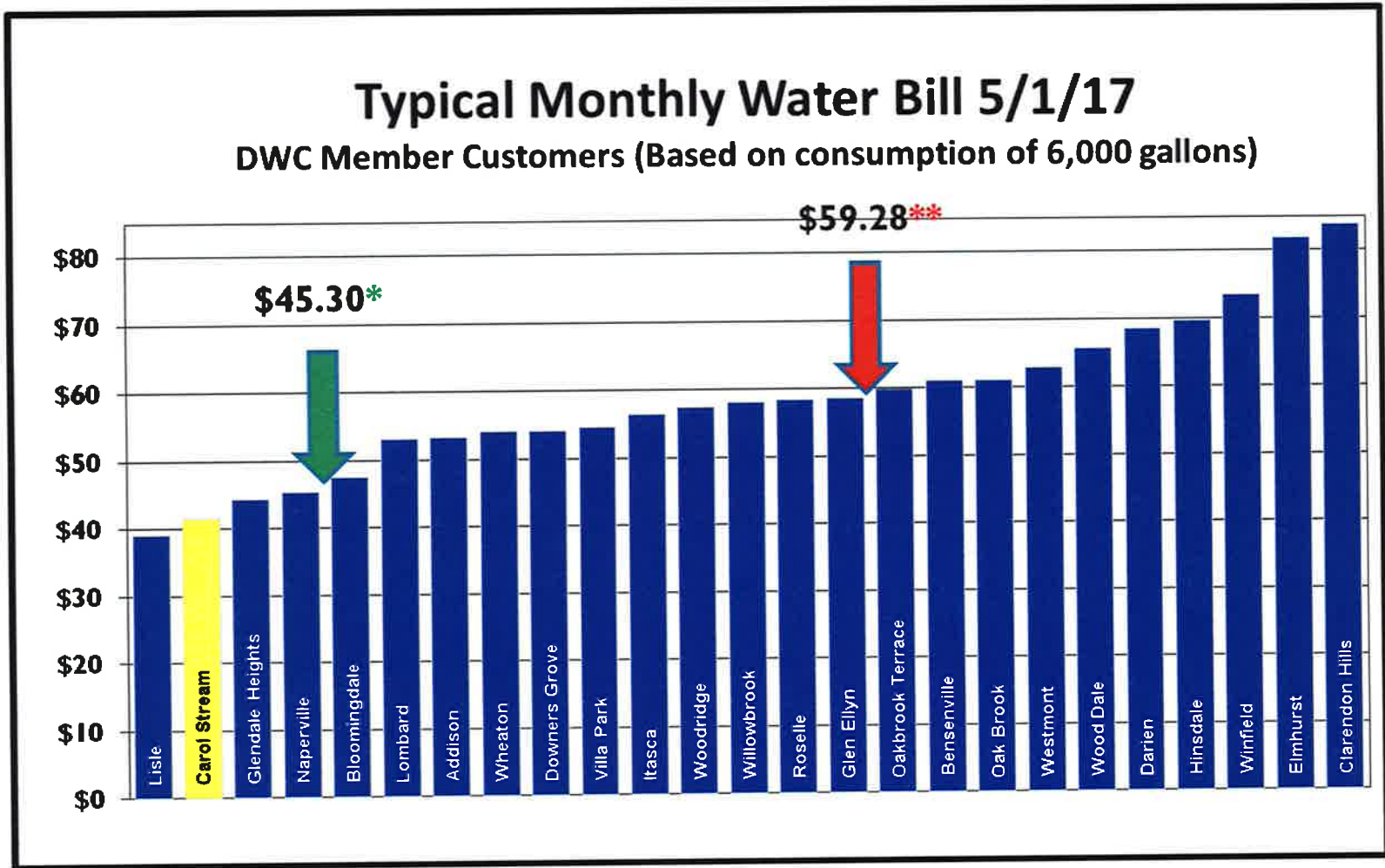
Water

- A rate increase of \$2.95 would be needed to cover budgeted FY17/18 water operations and capital costs.
- That would be a 43% increase over current rates.

Sewer

- A rate increase of \$0.93 would be needed to cover budgeted FY17/18 sewer operations and capital costs.
- That would be a 27% increase over current rates.

Water & Sewer Fund Community Comparison – Water

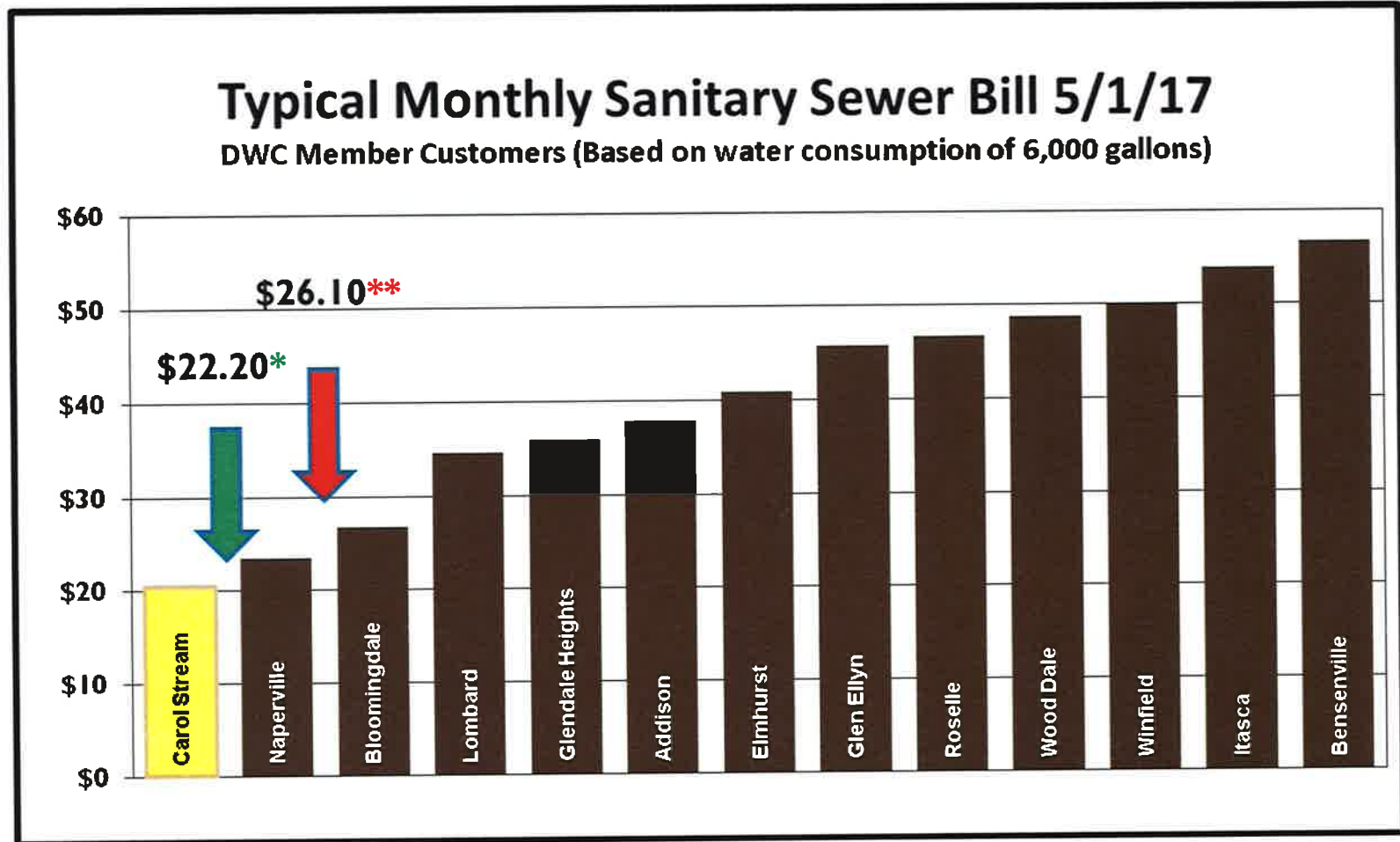


Source: Municipal Websites – 3/1/2017

* Recommended \$0.62 rate increase.

**Rate needed to fully cover proposed FY17/18 budget.

Water & Sewer Fund Community Comparison – Sewer



Source: Municipal Websites – 3/1/2017

Includes those municipal DWC members that bill for sewage treatment or operate treatment facilities.

* Recommended \$0.28 rate increase.

** Rate needed to fully cover proposed FY17/18 budget.



OTHER FUNDS

- Police Pension Fund
- Geneva Crossing TIF Fund
- North Avenue / Schmale Road TIF Fund

Village of Carol Stream Police Pension Fund

- Funding comes from three (3) sources:
 - Officer Contributions (9.91% of Base Pay)
 - Interest Earned on Investment Portfolio
 - Actuarial Contribution Made by the Village
- **\$41.5million** in net assets at April 30, 2016.
 - \$2.2 million in benefit payments made.
 - Net decrease of \$84,000 for FY15/16.
- **59.4%** funded as of April 30, 2016 (Under new GASB 68 rules).
- Village contribution increases by \$240,000 or 13.1% in FY17/18 over FY16/17. FY17/18 contrib. = \$2.073M.

Village of Carol Stream Geneva Crossing TIF

TIF Close-Out Procedures

- TIF was closed December 31, 2016 per Village Board Ordinance adopted 10/17/16.
- Current TIF Cash Balance (1/31/17) = \$760,631.
- Final distribution to taxing jurisdictions based on County formula – Village retains 10% as its distribution.
- Project returning unused balances to County prior to 4/30/17.
- Any funds held in escrow will be retained in the General Fund (until ultimately released to taxing jurisdictions).

Village of Carol Stream North Ave./Schmale Rd.TIF

- Structured differently than Geneva Crossing TIF:
 - No up front bond sale. Privately financed.
 - Non-monetized Village note of \$3.5M.
 - Secured by 100% of incremental property taxes + 50% of sales taxes for a period of 13 years. 2 year extension if total principal not paid (incremental property taxes ONLY).
- Caputo's operational September, 2014.
- Principal and Interest (P&I) payments on the note are due on June 30 and December 31 each year.
- At present, only enough funds have been generated to pay partial interest on the note. Anticipated to catch-up and begin paying toward note principal during FY17/18.

Next Steps

- **Monday, March 20, 2017**
 - 6:00 pm Budget Workshop Meeting
 - CAPITAL IMPROVEMENT PLAN
- **Monday, April 3, 2017**
 - 6:00 pm Workshop – Municipal Center Presentation
 - Additional budget discussion as needed.
- **Monday, April 17, 2017**
 - 7:30 pm Regular Village Board Meeting
 - **Budget Public Hearing**
 - **Budget Adoption**

QUESTIONS?

Village of Carol Stream

WATER AND SEWER FUND

Revenues

Description	Actual FY 15/16	Revised Budget FY 16/17	Estimated Revenues FY 16/17	Proposed Budget FY 17/18	Projected FY 18/19	Projected FY 19/20
Water & Sewer Fund Revenues						
43415 Grants	\$ 0	\$ 0	\$ 10,000	\$ 0	\$ 0	\$ 0
44220 Water Billings	7,126,549	7,260,000	7,575,000	7,550,000	7,550,000	7,550,000
44221 Water Penalties	69,102	72,000	61,500	57,000	57,000	57,000
44223 Connect - Water	8,500	5,000	1,500	1,000	1,000	1,000
44224 Meter Sales	14,578	10,000	10,000	5,000	5,000	5,000
44225 Sewer Billings	2,675,227	2,887,000	3,010,000	3,025,000	3,025,000	3,025,000
44226 Sewer Penalties	44,864	50,000	40,000	42,000	42,000	42,000
44227 Connect - Sewer	7,540	7,500	4,000	2,000	2,000	2,000
44228 Expansion Fee	82,998	50,000	35,000	15,000	15,000	10,000
44255 Admin.Fee	70,685	75,000	65,000	65,000	65,000	65,000
46501 Interest Income	14,773	15,000	45,000	65,000	93,000	125,000
47406 Wheaton San.	6,862	7,500	7,000	7,000	7,000	7,000
47407 Misc. Revenue	60,639	10,000	47,000	45,000	30,000	30,000
47410 DPC Reimb.	59,833	59,000	59,000	58,000	57,000	56,000
47517 Rental Income	186,198	175,000	205,000	178,000	181,000	185,000
49000 Debt Proceeds	0	0	0	4,130,000	0	0
Total Revenues	\$ 10,428,348	\$ 10,683,000	\$ 11,175,000	\$ 15,245,000	\$ 11,130,000	\$ 11,160,000

The above presents projected revenues based on current water/sewer rates.
The impact of proposed rate adjustments are not reflected herein.

Water = \$6.93 per 1,000 gallons.
Sewer = \$3.42 per 1,000 gallons water used.

Village of Carol Stream

WATER AND SEWER FUND

Summary Revenues & Expenses

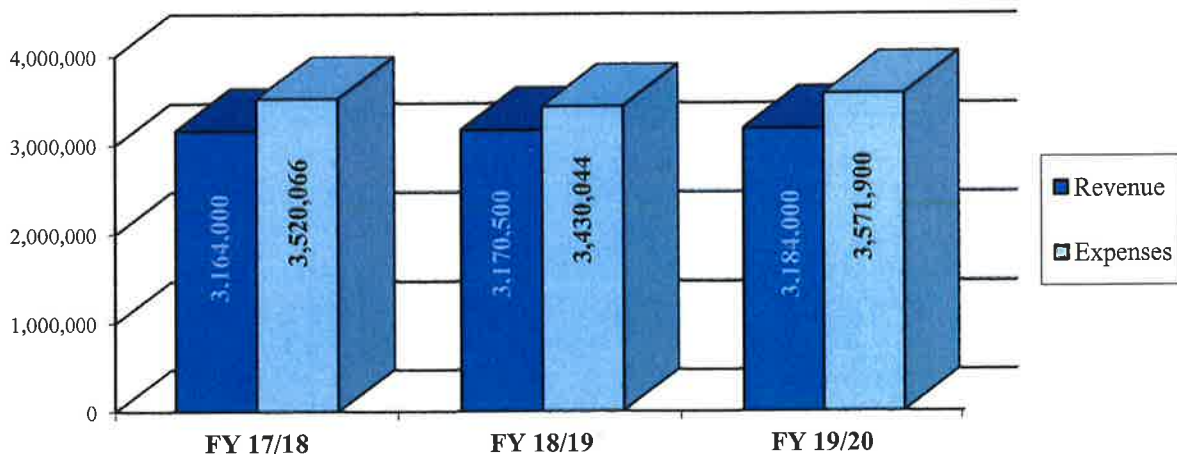
	Actual FY 15/16	Revised Budget FY 16/17	Estimated Expenditures FY 16/17	Proposed Budget FY 17/18	Projected FY 18/19	Projected FY 19/20
REVENUES	\$ 10,428,348	\$ 10,683,000	\$ 11,175,000	\$ 15,245,000	\$ 11,130,000	\$ 11,160,000
EXPENSES						
Operating Expenses						
Salaries & Wages	1,271,726	1,379,423	1,337,352	1,464,078	1,478,548	1,486,425
WRC Contract	1,714,093	1,765,013	1,735,013	1,831,000	1,882,000	1,935,000
DuPage Water Comm.	5,662,812	5,487,000	5,956,000	6,080,000	6,142,000	6,204,000
Contractual Services	1,051,236	1,599,070	1,340,685	1,600,007	1,388,990	1,710,738
Commodities	290,732	361,370	360,133	4,334,458	219,468	220,052
Debt	94,195	487,504	487,504	486,523	965,541	964,560
Total Operating Expenses	10,084,794	11,079,380	11,216,687	15,796,066	12,076,547	12,520,775
Net Income / (Loss)						
Before Capital	343,554	(396,380)	(41,687)	(551,066)	(946,547)	(1,360,775)
Capital Expenses						
Other Capital	14,146	36,225	31,000	176,000	83,000	165,000
Construction	997,773	2,709,000	170,000	3,311,000	1,491,000	1,840,000
Total Capital	1,011,919	2,745,225	201,000	3,487,000	1,574,000	2,005,000
Total Expenses	11,096,713	13,824,605	11,417,687	19,283,066	13,650,547	14,525,775
Fund Income / (Loss)	\$ (668,365)	\$ (3,141,605)	\$ (242,687)	\$ (4,038,066)	\$ (2,520,547)	\$ (3,365,775)
Projected Cash Balance	11,744,504		11,501,817	7,463,751	4,943,204	1,577,429

Village of Carol Stream
WATER AND SEWER FUND

Wastewater Collection & Treatment Center
Revenues & Expenses

Description	Actual FY 15/16	Revised Budget FY 16/17	Estimated FY 16/17	Proposed Budget FY 17/18	Projected FY 18/19	Projected FY 19/20
Sewer Revenues						
Sewer Billings	\$2,675,227	\$2,887,000	\$3,010,000	\$3,025,000	\$3,025,000	\$3,025,000
Sewer Penalties	44,864	50,000	40,000	42,000	42,000	42,000
Misc. Revenues	30,320	5,000	23,500	22,500	15,000	15,000
Shut-off / Admin. Fee	35,343	37,500	32,500	32,500	32,500	32,500
Connect Fee - Sewer	7,540	7,500	4,000	2,000	2,000	2,000
Expansion Fee	41,499	25,000	17,500	7,500	7,500	5,000
Interest Income	7,387	7,500	22,500	32,500	46,500	62,500
Total Sewer Revenues	\$2,842,179	\$3,019,500	\$3,160,000	\$3,164,000	\$3,170,500	\$3,184,000
Sewer Expenses						
Operating Expenses						
Salaries & Wages	266,608	311,991	292,704	339,388	345,037	346,913
WRC Contract	1,714,093	1,765,013	1,735,013	1,831,000	1,882,000	1,935,000
Contractual Services	541,380	882,927	638,152	883,399	736,754	823,238
Commodities	28,523	49,650	48,533	37,628	37,603	38,099
Debt	84,059	428,651	428,651	428,651	428,650	428,650
Total Operating Exp.	2,634,663	3,438,232	3,143,053	3,520,066	3,430,044	3,571,900
Net Income / (Loss) Before Capital	207,516	(418,732)	16,947	(356,066)	(259,544)	(387,900)
Capital Expenses	992,889	326,000	110,000	463,000	1,051,000	1,690,000
Total Sewer Expenses	\$3,627,552	\$3,764,232	\$3,253,053	\$3,983,066	\$4,481,044	\$5,261,900
Net Income/(Loss)	\$ (785,374)	\$ (744,732)	\$ (93,053)	\$ (819,066)	\$ (1,310,544)	\$ (2,077,900)

**SEWER DIVISION
REVENUES vs. OPERATING EXPENSES FY17/18 - FY19/20**

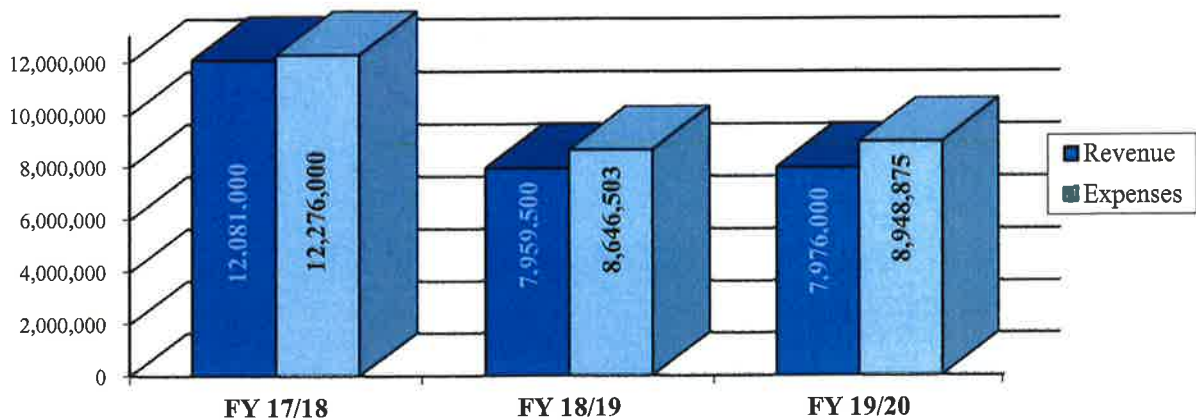


Village of Carol Stream
WATER AND SEWER FUND

Water Division
Revenues & Expenses

Description	Actual FY 15/16	Revised Budget FY 16/17	Estimated FY 16/17	Proposed Budget FY 17/18	Projected FY 18/19	Projected FY 19/20
Water Revenues						
Water Billings	\$7,126,549	\$7,260,000	\$7,575,000	\$7,550,000	\$7,550,000	\$7,550,000
Water Penalties	69,102	72,000	61,500	57,000	57,000	57,000
Meter Sales	14,578	10,000	10,000	5,000	5,000	5,000
Misc. Revenues	30,320	5,000	23,500	22,500	15,000	15,000
Shut-off Admin. Fee	35,343	37,500	32,500	32,500	32,500	32,500
Wheaton Sanitary Fee	6,862	7,500	7,000	7,000	7,000	7,000
Interest Income	7,387	7,500	22,500	32,500	46,500	62,500
Rental Income	186,198	175,000	205,000	178,000	181,000	185,000
Connection Fee - Water	8,500	5,000	1,500	1,000	1,000	1,000
Expansion Fee	41,499	25,000	17,500	7,500	7,500	5,000
DPC Water Main Reimb	59,833	59,000	59,000	58,000	57,000	56,000
Debt Proceeds	0	0	0	4,130,000	0	0
Total Water Revenues	\$7,586,170	\$7,663,500	\$8,015,000	\$12,081,000	\$7,959,500	\$7,976,000
Water Expenses						
Operating Expenses						
Salaries & Wages	1,005,118	1,067,432	1,044,648	1,124,690	1,133,511	1,139,512
DuPage Water Comm.	5,662,812	5,487,000	5,956,000	6,080,000	6,142,000	6,204,000
Contractual Services	509,856	716,143	702,533	716,608	652,236	887,500
Commodities	262,209	311,720	311,600	4,296,830	181,865	181,953
Debt	10,136	58,853	58,853	57,872	536,891	535,910
Total Operating Exp.	7,450,131	7,641,148	8,073,634	12,276,000	8,646,503	8,948,875
Net Income / (Loss)						
Before Capital	136,039	22,352	(58,634)	(195,000)	(687,003)	(972,875)
Capital Expenses	19,030	2,419,225	91,000	3,024,000	523,000	315,000
Total Water Expenses	\$7,469,161	\$10,060,373	\$8,164,634	\$15,300,000	\$9,169,503	\$9,263,875
Net Income/(Loss)	\$117,009	\$ (2,396,873)	\$ (149,634)	\$ (3,219,000)	\$ (1,210,003)	\$ (1,287,875)

WATER DIVISION
REVENUES vs. OPERATING EXPENSES FY17/18 - FY19/20

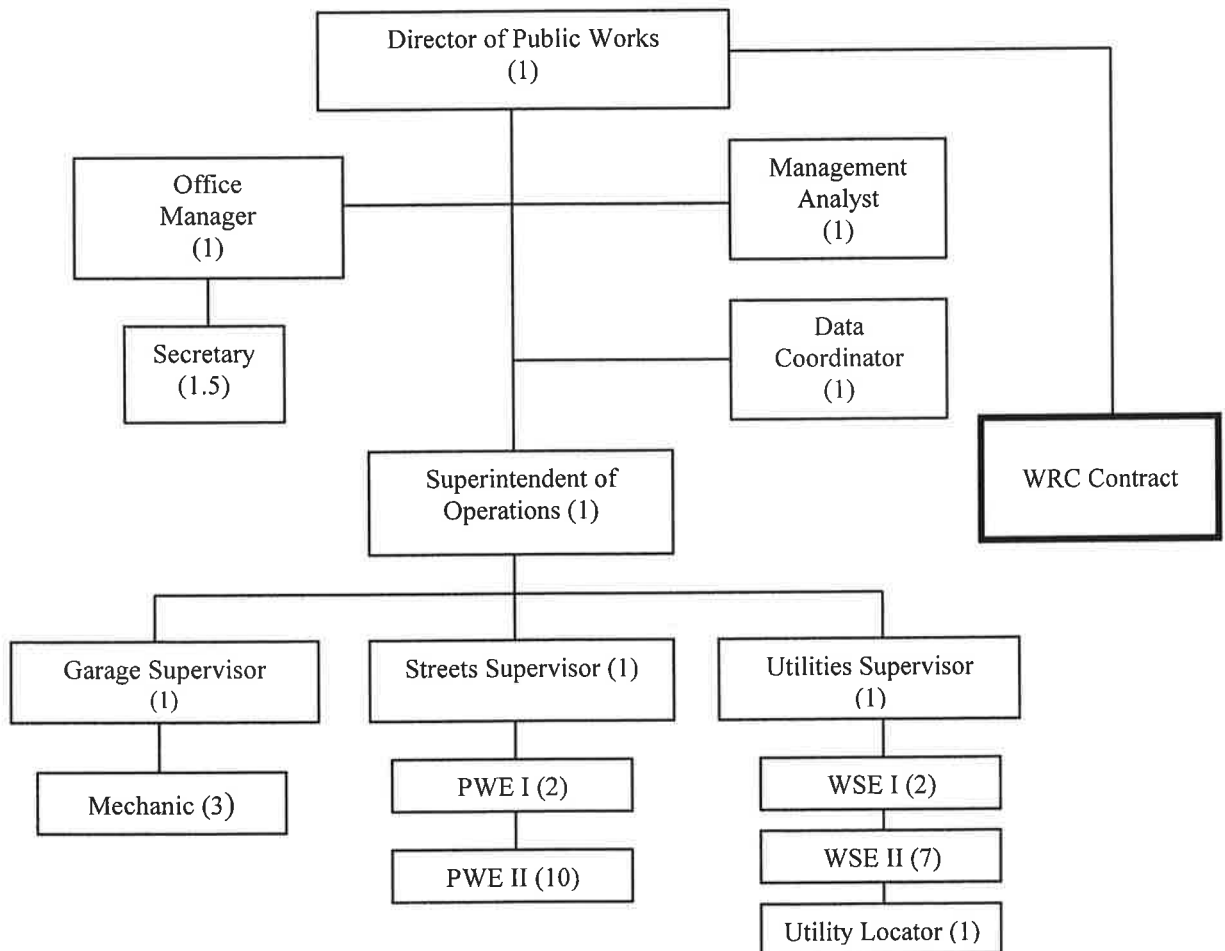


PERSONNEL SCHEDULE

	<u>Authorized FY15/16</u>	<u>Budget FY16/17</u>	<u>Proposed FY17/18</u>	<u>Projected FY18/19</u>	<u>Projected FY19/20</u>
Streets	18.5	18.5	19.5	19.5	19.5
Water/Sewer	10	11	11	11	11
Municipal Garage	3	4	4	4	4
Total	31.5	33.5	34.5	34.5	34.5

The Street Division Includes Public Works Administrative Staff.

ORGANIZATIONAL CHART



NARRATIVE

The Village’s 6.5 million gallons per day (MGD) Water Reclamation Center (WRC) operates under permit conditions issued by the Illinois and United States Environmental Protection Agencies. A contract operator is responsible for daily operating decisions. All of the employees at the WRC are employees of the contract operator. In addition to the contract cost, additional Village expenses include program costs for administration, sewer system maintenance, and customer billing.

EXPENDITURE

Classification	Actual FY15/16	Budget FY16/17	Estimated FY16/17	Proposed FY17/18	Projected FY18/19	Projected FY19/20
Administration	\$251,737	\$650,383	\$705,964	\$707,611	\$709,258	\$745,449
Daily Treatment Operations	2,738,503	1,901,180	1,951,612	2,048,893	2,223,307	3,639,199
Sewer System Maintenance & Repair	277,420	782,902	202,969	792,274	1,131,824	457,310
Utility Billing	359,892	429,767	392,508	434,288	416,655	419,942
Totals	\$3,627,552	\$3,764,232	\$3,253,053	\$3,983,066	\$4,481,044	\$5,261,900

Wastewater Collection & Treatment Center – Summary Detail

EXPENSE

Acct. #/Description	Actual FY 15/16	Revised Budget FY 16/17	Estimated Expenditures FY 16/17	Proposed Budget FY 17/18	Projected FY 18/19	Projected FY 19/20
Salaries & Wages						
51102 Personal Services	\$ 175,235	\$ 210,921	\$ 205,500	\$ 231,633	\$ 234,797	\$ 234,797
51106 Seasonal Help	0	5,460	1,600	5,785	5,785	5,785
51109 Overtime	2,130	5,500	5,000	8,600	8,600	8,600
51111 Group Insurance	45,859	37,520	29,199	35,735	37,521	39,397
51112 IMRF	25,157	30,481	30,016	33,778	34,236	34,236
51113 FICA	12,549	16,773	16,053	18,521	18,762	18,762
51114 Workers Comp.	5,678	5,336	5,336	5,336	5,336	5,336
Subtotal	266,608	311,991	292,704	339,388	345,037	346,913
Contractual Services						
52212 Auto Maint. & Repair	19,430	24,650	24,650	19,592	19,137	19,846
52221 Utility Bill Processing	62,133	59,000	62,500	66,000	65,500	68,000
52223 Training	467	3,900	3,650	2,025	2,625	2,625
52224 Vehicle Insurance	871	818	818	818	818	818
52229 Postage	27,727	29,140	26,840	28,040	28,040	28,040
52230 Telephone	1,496	2,111	2,111	4,140	4,140	4,140
52231 Copy Expense	346	250	250	250	250	250
52234 Dues & Subscriptions	306	32,460	32,610	52,810	54,325	89,850
52237 Audit Fees	5,000	5,000	5,000	5,000	5,000	5,000
52238 Legal Fees	4,683	4,000	20,000	7,500	5,000	5,000
52244 Maintenance and Repair	116,848	306,100	47,500	343,200	236,200	286,200
52253 Consultant	38,165	93,000	78,000	24,500	5,000	2,500
52255 Software Maintenance	7,767	40,700	53,500	47,200	32,800	29,000
52256 Banking Services	3,163	4,500	4,000	4,455	4,500	4,500
52261 Liability Insurance	23,752	22,344	22,153	22,344	22,344	22,344
52262 WRC Contract	1,714,093	1,765,013	1,735,013	1,831,000	1,882,000	1,935,000
52263 Property Insurance	21,571	20,354	20,270	20,625	20,625	20,625
52272 NPDES Permit Fee	31,891	32,100	32,100	31,700	31,750	31,800
52274 Community Svc. Pgms.	764	1,500	1,200	1,200	1,200	1,200
52280 Municipal Service Chg.	175,000	201,000	201,000	202,000	197,500	201,500
Subtotal	2,255,473	2,647,940	2,373,165	2,714,399	2,618,754	2,758,238
Commodities						
53210 Electricity	11,702	13,890	10,500	12,000	12,000	12,000
53220 Water	541	550	750	700	750	800
53230 Natural Gas	1,224	1,500	1,450	1,500	1,500	1,500
53313 Auto Gas	5,697	4,520	7,633	8,158	8,583	9,029
53317 Operating Supplies	7,100	10,680	13,000	8,950	8,450	8,450
53324 Uniforms	2,259	3,260	4,200	3,320	3,320	3,320
53350 Small Equipment	0	15,250	11,000	3,000	3,000	3,000
Subtotal	28,523	49,650	48,533	37,628	37,603	38,099

Wastewater Collection & Treatment Center – Summary Detail

EXPENSE

Acct. #/Description	Actual FY 15/16	Revised Budget FY 16/17	Estimated Expenditures FY 16/17	Proposed Budget FY 17/18	Projected FY 18/19	Projected FY 19/20
Capital / Debt						
54412 Other Equipment	14,146	0	0	0	0	0
54480 Construction	978,743	326,000	110,000	463,000	1,051,000	1,690,000
56490 Loan Principal	0	353,152	353,152	362,286	371,656	381,269
56491 Loan Interest	84,059	75,499	75,499	66,365	56,994	47,381
Subtotal	1,076,948	754,651	538,651	891,651	1,479,650	2,118,650
Totals	\$ 3,627,552	\$ 3,764,232	\$ 3,253,053	\$ 3,983,066	\$ 4,481,044	\$ 5,261,900

Wastewater Collection & Treatment Center – Administration Detail

Administration Expenditures (04100100)

Acct. #/Description	Actual FY 15/16	Revised Budget FY 16/17	Estimated Expenditures FY 16/17	Proposed Budget FY 17/18	Projected FY 18/19	Projected FY 19/20
Salaries & Wages						
51102 Personal Services	\$ 56,802	\$ 72,899	\$ 73,500	\$ 83,804	\$ 84,949	\$ 84,949
51109 Overtime	232	1,500	1,000	4,100	4,100	4,100
51111 Group Insurance	13,628	13,186	10,501	12,683	13,317	13,983
51112 IMRF	8,058	10,477	10,477	12,390	12,556	12,556
51113 FICA	3,868	5,622	5,622	6,639	6,727	6,727
51114 Workers Comp.	1,426	1,340	1,340	1,340	1,340	1,340
Subtotal	84,014	105,024	102,440	120,956	122,989	123,655
Contractual Services						
52223 Training	305	2,900	2,900	1,025	1,625	1,625
52229 Postage	24	40	40	40	40	40
52230 Telephone	0	0	0	4,140	4,140	4,140
52234 Dues & Subscriptions	306	32,310	32,610	52,810	54,325	89,850
52238 Legal Fees	4,683	4,000	20,000	7,500	5,000	5,000
52255 Software Maintenance	0	0	41,500	15,000	15,000	15,000
52261 Liability Insurance	23,752	22,344	22,153	22,344	22,344	22,344
52263 Property Insurance	21,571	20,354	20,270	20,625	20,625	20,625
52272 NPDES Permit Fee	30,000	30,000	30,000	30,000	30,000	30,000
52274 Community Service Pgms.	764	1,500	1,200	1,200	1,200	1,200
Subtotal	81,405	113,448	170,673	154,684	154,299	189,824
Commodities						
53324 Uniforms	2,259	3,260	4,200	3,320	3,320	3,320
Subtotal	2,259	3,260	4,200	3,320	3,320	3,320
Debt						
56490 Loan Principal (IEPA)	0	353,152	353,152	362,286	371,656	381,269
56491 Loan Interest (IEPA)	84,059	75,499	75,499	66,365	56,994	47,381
Subtotal	84,059	428,651	428,651	428,651	428,650	428,650
Totals	\$ 251,737	\$ 650,383	\$ 705,964	\$ 707,611	\$ 709,258	\$ 745,449

Wastewater Collection & Treatment Center – Daily Treatment Operations Detail

Daily Treatment Operations Expenditures (04101100)

Acct. #/Description	Actual FY 15/16	Revised Budget FY 16/17	Estimated Expenditures FY 16/17	Proposed Budget FY 17/18	Projected FY 18/19	Projected FY 19/20
Contractual Services						
52212 Auto Maint. & Repr.	\$ 5,240	\$ 6,840	\$ 6,840	\$ 7,976	\$ 7,791	\$ 8,080
52224 Vehicle Insurance	295	277	277	277	277	277
52231 Copy Expense	346	250	250	250	250	250
52244 Maintenance & Repr.	0	4,100	20,000	1,000	1,000	1,000
52253 Consultant	38,165	78,000	78,000	24,500	5,000	2,500
52262 WRC Contract	1,714,093	1,765,013	1,735,013	1,831,000	1,882,000	1,935,000
Subtotal	1,758,139	1,854,480	1,840,380	1,865,003	1,896,318	1,947,107
Commodities						
53313 Auto Gas	1,621	1,700	1,232	1,890	1,989	2,092
Subtotal	1,621	1,700	1,232	1,890	1,989	2,092
Capital Outlay						
54480 Construction	978,743	45,000	110,000	182,000	325,000	1,690,000
Subtotal	978,743	45,000	110,000	182,000	325,000	1,690,000
Totals	\$ 2,738,503	\$ 1,901,180	\$ 1,951,612	\$ 2,048,893	\$ 2,223,307	\$ 3,639,199

WATER AND SEWER FUND

PUBLIC WORKS

Wastewater Collection & Treatment Center – Sewer System Maint. & Repair Detail

Sewer System Maintenance & Repair Expenditures (04101500)

Acct. #/Description	Actual FY 15/16	Revised Budget FY 16/17	Estimated Expenditures FY 16/17	Proposed Budget FY 17/18	Projected FY 18/19	Projected FY 19/20
Salaries & Wages						
51102 Personal Services	\$ 61,064	\$ 72,899	\$ 72,000	\$ 78,079	\$ 79,145	\$ 79,145
51106 Seasonal Help	0	5,460	1,600	5,785	5,785	5,785
51109 Overtime	1,880	4,000	4,000	4,000	4,000	4,000
51111 Group Insurance	22,917	13,186	10,501	11,863	12,456	13,079
51112 IMRF	8,938	10,839	10,839	11,570	11,724	11,724
51113 FICA	4,535	6,231	6,231	6,617	6,698	6,698
51114 Workers Comp.	4,134	3,885	3,885	3,885	3,885	3,885
Subtotal	103,468	116,500	109,056	121,799	123,693	124,316
Contractual Services						
52212 Auto Maint. & Repair	14,190	17,810	17,810	11,616	11,346	11,766
52223 Training	162	1,000	750	1,000	1,000	1,000
52224 Vehicle Insurance	576	541	541	541	541	541
52230 Telephone	1,496	2,111	2,111	0	0	0
52234 Dues & Subscriptions	0	150	0	0	0	0
52244 Maintenance & Repair	116,848	302,000	27,500	342,200	235,200	285,200
52253 Consultant	0	15,000	0	0	0	0
52272 Property Maintenance	1,891	2,100	2,100	1,700	1,750	1,800
Subtotal	135,163	340,712	50,812	357,057	249,837	300,307
Commodities						
53210 Electricity	11,702	13,890	10,500	12,000	12,000	12,000
53220 Water	541	550	750	700	750	800
53230 Natural Gas	1,224	1,500	1,450	1,500	1,500	1,500
53313 Auto Gas	4,076	2,820	6,401	6,268	6,594	6,937
53317 Operating Supplies	7,100	10,680	13,000	8,950	8,450	8,450
53350 Small Equipment	0	15,250	11,000	3,000	3,000	3,000
Subtotal	24,643	44,690	43,101	32,418	32,294	32,687
Capital Outlay						
54412 Other Equipment	14,146	0	0	0	0	0
54480 Construction	0	281,000	0	281,000	726,000	0
Subtotal	14,146	281,000	0	281,000	726,000	0
Totals	\$ 277,420	\$ 782,902	\$ 202,969	\$ 792,274	\$ 1,131,824	\$ 457,310

Wastewater Collection & Treatment Center – Utility Billing Detail

Utility Billing Expenditures (04103100)

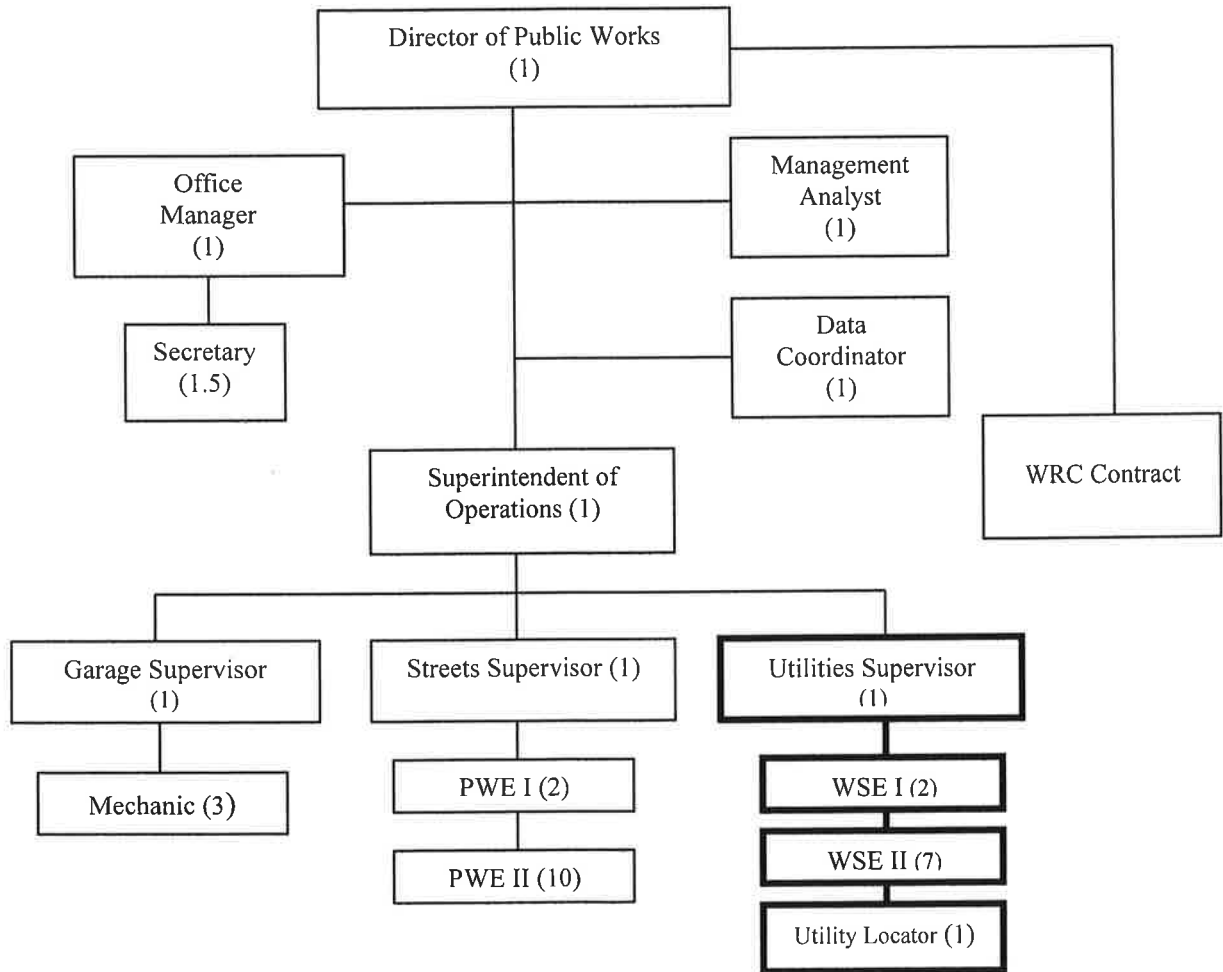
Acct. #/Description	Actual FY 15/16	Revised Budget FY 16/17	Estimated Expenditures FY 16/17	Proposed Budget FY 17/18	Projected FY 18/19	Projected FY 19/20
Salaries & Wages						
51102 Personal Services	\$ 57,369	\$ 65,123	\$ 60,000	\$ 69,750	\$ 70,703	\$ 70,703
51109 Overtime	18	0	0	500	500	500
51111 Group Insurance	9,314	11,148	8,197	11,189	11,748	12,335
51112 IMRF	8,161	9,165	8,700	9,818	9,956	9,956
51113 FICA	4,146	4,920	4,200	5,265	5,337	5,337
51114 Workers Comp.	118	111	111	111	111	111
Subtotal	79,126	90,467	81,208	96,633	98,355	98,942
Contractual Services						
52221 Utility Bill Processing	62,133	59,000	62,500	66,000	65,500	68,000
52229 Postage	27,703	29,100	26,800	28,000	28,000	28,000
52237 Audit Fees	5,000	5,000	5,000	5,000	5,000	5,000
52255 Software Maintenance	7,767	40,700	12,000	32,200	17,800	14,000
52256 Banking Services	3,163	4,500	4,000	4,455	4,500	4,500
52280 Municipal Service Charge	175,000	201,000	201,000	202,000	197,500	201,500
Subtotal	280,766	339,300	311,300	337,655	318,300	321,000
Totals	\$ 359,892	\$ 429,767	\$ 392,508	\$ 434,288	\$ 416,655	\$ 419,942

PERSONNEL SCHEDULE

	<u>Authorized FY15/16</u>	<u>Budget FY16/17</u>	<u>Proposed FY17/18</u>	<u>Projected FY18/19</u>	<u>Projected FY19/20</u>
Streets	18.5	18.5	19.5	19.5	19.5
Water/Sewer	10	11	11	11	11
Municipal Garage	3	4	4	4	4
Total	31.5	33.5	34.5	34.5	34.5

The Street Division Includes Public Works Administrative Staff.

ORGANIZATIONAL CHART



NARRATIVE

The mission of the Water Division is to provide Village water customers with continuous, high quality water, meeting national drinking water standards. Specific activities include maintenance of facilities that receive water from the DuPage Water Commission, water storage facilities, water distribution pipes, valves, hydrants, over 10,000 individual service connections, valves and metering devices.

EXPENDITURES

Classification	Actual FY15/16	Budget FY16/17	Estimated FY16/17	Proposed FY17/18	Projected FY18/19	Projected FY19/20
Administration	\$462,013	\$631,312	\$579,595	\$716,941	\$573,515	\$575,146
Distribution System Operation and Maintenance	6,327,493	8,663,816	6,871,932	9,819,596	7,511,662	7,599,104
Water Metering	277,706	293,787	278,116	4,284,904	622,590	624,308
Utility Billing	401,949	471,458	434,991	478,559	461,736	465,317
Totals	\$7,469,161	\$10,060,373	\$8,164,634	\$15,300,000	\$9,169,503	\$9,263,875

EXPENSE

Acct.#	Description	Actual FY 15/16	Revised Budget FY 16/17	Estimated Expenditures FY 16/17	Proposed Budget FY 17/18	Projected FY 18/19	Projected FY 19/20
Salaries & Wages							
51102	Personal Services	\$ 660,310	\$ 699,103	\$ 697,802	\$ 743,049	\$ 753,194	\$ 753,194
51106	Seasonal Help	0	5,460	4,680	11,570	5,785	5,785
51109	Overtime	61,436	59,500	66,773	67,600	64,100	64,100
51111	Group Insurance	88,106	126,038	99,358	114,309	120,024	126,025
51112	IMRF	100,897	107,016	106,479	114,106	115,577	115,577
51113	FICA	52,112	57,783	57,024	61,524	62,299	62,299
51114	Workers Comp.	13,337	12,532	12,532	12,532	12,532	12,532
51117	Comp. Absences	(16,165)	0	0	0	0	0
51118	OPEB Obligation	45,085	0	0	0	0	0
	Subtotal	1,005,118	1,067,432	1,044,648	1,124,690	1,133,511	1,139,512
Contractual Services							
52212	Auto Maint. & Repai	45,020	56,926	56,926	69,465	67,848	70,362
52221	Utility Bill Processin	61,638	59,000	62,500	66,000	65,500	68,000
52222	Meetings	50	250	200	250	250	250
52223	Training	1,184	4,000	4,900	4,000	4,600	4,600
52224	Vehicle Insurance	9,111	8,569	8,569	8,569	8,569	8,569
52229	Postage	27,706	29,100	26,800	28,000	28,000	28,000
52230	Telephone	3,007	4,430	4,335	4,140	4,140	4,140
52234	Dues & Subscription	853	2,170	1,450	1,460	1,510	1,510
52237	Audit Fees	5,000	5,000	5,000	5,000	5,000	5,000
52238	Legal Fees	5,667	4,000	2,000	4,000	4,000	4,000
52240	Public Notices	2,046	2,000	100	500	500	500
52244	Maint. and Repair	61,926	161,000	142,500	152,100	124,100	324,100
52253	Consultant	11,020	50,000	49,770	19,500	30,000	60,000
52255	Software Maintenanc	7,767	40,700	53,500	47,200	32,800	29,000
52256	Banking Services	3,163	4,500	4,000	4,455	4,500	4,500
52261	Liability Insurance	23,752	22,344	22,153	22,344	22,344	22,344
52263	Property Insurance	21,571	20,354	20,270	20,625	20,625	20,625
52264	Equipment Rental	323	2,000	1,000	1,000	1,000	1,000
52265	Hauling	8,690	12,000	10,000	5,000	5,000	5,000
52272	Property Maintenance	1,891	2,100	1,860	1,700	1,750	1,800
52274	Community Pgms.	652	1,500	1,000	1,200	1,200	1,200
52279	Lab Services	9,806	12,000	12,000	12,100	10,500	10,500
52280	Municipal Svc. Chg.	175,000	201,000	201,000	202,000	197,500	201,500
52282	Meter Maintenance	17,552	5,000	5,000	30,000	5,000	5,000
52283	DuPage Water Com.	5,662,812	5,487,000	5,956,000	6,080,000	6,142,000	6,204,000
52284	Equipment Maint.	1,011	1,200	700	1,000	1,000	1,000
52286	Pavement Restorator	4,450	5,000	5,000	5,000	5,000	5,000
	Subtotal	6,172,668	6,203,143	6,658,533	6,796,608	6,794,236	7,091,500

WATER AND SEWER FUND

PUBLIC WORKS

Water Division – Summary Detail

EXPENSE

Acct.#	Description	Actual FY 15/16	Revised Budget FY 16/17	Estimated Expenditures FY 16/17	Proposed Budget FY 17/18	Projected FY 18/19	Projected FY 19/20
Commodities							
53210	Electricity	61,500	65,000	65,000	65,000	65,000	65,000
53230	Natural Gas	607	1,200	1,000	1,000	1,000	1,000
53313	Auto Gas	14,034	20,300	18,120	19,900	20,935	22,023
53314	Office Supplies	618	1,000	1,000	750	750	750
53315	Printed Materials	38	200	200	200	200	200
53316	Small Tools	2,064	2,000	2,000	2,000	2,000	2,000
53317	Operating Supplies	32,678	59,730	59,730	53,100	52,600	52,600
53320	Water	0	0	0	10,000	10,000	10,000
53324	Uniforms	3,029	3,740	5,500	3,880	3,880	3,880
53331	Chemicals	943	500	1,000	1,000	1,000	1,000
53333	Meters	145,809	150,000	150,000	4,130,000	20,000	20,000
53350	Small Equipment	889	8,050	8,050	10,000	4,500	3,500
	Subtotal	262,209	311,720	311,600	4,296,830	181,865	181,953
Capital /Debt							
54412	Other Equipment	0	35,025	31,000	11,000	0	0
54415	Vehicles	0	1,200	0	165,000	83,000	165,000
54480	Construction	19,030	2,383,000	60,000	2,848,000	440,000	150,000
56490	Loan Princ. (DWC)	0	49,044	49,044	49,044	202,044	214,044
56491	Loan Interest (DWC)	10,136	9,809	9,809	8,828	334,847	321,866
	Subtotal	29,166	2,478,078	149,853	3,081,872	1,059,891	850,910
Totals		\$ 7,469,161	\$ 10,060,373	\$ 8,164,634	\$ 15,300,000	\$ 9,169,503	\$ 9,263,875

Administration Expenditures (04200100)

Acct. #/Description	Actual FY 15/16	Revised Budget FY 16/17	Estimated Expenditure: FY 16/17	Proposed Budget FY 17/18	Projected FY 18/19	Projected FY 19/20
Salaries & Wages						
51102 Personal Services	\$ 246,955	\$ 275,073	\$ 275,000	\$ 288,891	\$ 292,836	\$ 292,836
51106 Seasonal Help	0	0	780	0	0	0
51109 Overtime	9,209	7,500	13,000	12,100	12,100	12,100
51111 Group Insurance	32,099	49,756	39,626	43,943	46,140	48,447
51112 IMRF	34,680	39,800	39,800	42,497	43,068	43,068
51113 FICA	18,413	21,354	21,354	22,773	23,074	23,074
51114 Workers Comp.	4,055	3,810	3,810	3,810	3,810	3,810
51117 Compensated Absences	(16,165)	0	0	0	0	0
51118 OPEB Obligation	45,085	0	0	0	0	0
Subtotal	374,331	397,293	393,370	414,014	421,028	423,335
Contractual Services						
52212 Auto Maint. & Repair	4,490	5,693	5,693	6,946	6,785	7,036
52222 Meetings	50	250	200	250	250	250
52223 Training	601	3,000	3,700	2,500	3,100	3,100
52224 Vehicle Insurance	601	565	565	565	565	565
52238 Legal Fees	5,667	4,000	2,000	4,000	4,000	4,000
52229 Postage	4	0	0	0	0	0
52230 Telephone	1,629	1,635	1,635	4,140	4,140	4,140
52234 Dues & Subscriptions	753	1,670	950	1,160	1,210	1,210
52240 Public Notices/Information	2,046	2,000	100	500	500	500
52253 Consultant	11,020	0	20,000	0	0	0
52255 Software Maintenance	0	0	41,500	15,000	15,000	15,000
52261 Liability Insurance	23,752	22,344	22,153	22,344	22,344	22,344
52263 Property Insurance	21,571	20,354	20,270	20,625	20,625	20,625
52274 Community Service Pgms.	652	1,500	1,000	1,200	1,200	1,200
Subtotal	72,836	63,011	119,766	79,230	79,719	79,970
Commodities						
53313 Auto Gas	702	1,015	906	995	1,047	1,101
53314 Office Supplies	618	1,000	1,000	750	750	750
53315 Printed Materials	38	200	200	200	200	200
53317 Operating Supplies	323	0	0	0	0	0
53320 Water	0	0	0	10,000	10,000	10,000
53324 Uniforms	3,029	3,740	5,500	3,880	3,880	3,880
Subtotal	4,710	5,955	7,606	15,825	15,877	15,931
Capital / Debt						
54415 Vehicles	0	1,200	0	45,000	0	0
54480 Construction	0	105,000	0	105,000	0	0
56490 Loan Principal (DWC)	0	49,044	49,044	49,044	49,044	49,044
56491 Loan Interest (DWC)	10,136	9,809	9,809	8,828	7,847	6,866
Subtotal	10,136	165,053	58,853	207,872	56,891	55,910
Totals	\$ 462,013	\$ 631,312	\$ 579,595	\$ 716,941	\$ 573,515	\$ 575,146

WATER AND SEWER FUND

PUBLIC WORKS

Water Division - Distribution System Operations & Maintenance Detail

Distribution System Operations & Maintenance Expenditures (04201600)

Acct. #/Description	Actual FY 15/16	Revised Budget FY 16/17	Estimated Expenditures FY 16/17	Proposed Budget FY 17/18	Projected FY 18/19	Projected FY 19/20
Salaries & Wages						
51102 Personal Services	\$ 261,764	\$ 275,802	\$ 275,802	\$ 295,398	\$ 299,431	\$ 299,431
51106 Seasonal Help	0	5,460	3,900	11,570	5,785	5,785
51109 Overtime	47,313	50,000	50,000	50,000	50,000	50,000
51111 Group Insurance	35,840	49,888	39,732	44,881	47,125	49,481
51112 IMRF	43,976	46,065	46,065	48,828	49,413	49,413
51113 FICA	22,314	25,078	25,078	26,539	26,847	26,847
51114 Workers Comp.	7,717	7,252	7,252	7,252	7,252	7,252
Subtotal	418,924	459,545	447,829	484,468	485,853	488,209
Contractual Services						
52212 Auto M & R	24,813	31,309	31,309	38,206	37,316	38,699
52223 Training	583	1,000	1,200	1,500	1,500	1,500
52224 Vehicle Insurance	4,978	4,682	4,682	4,682	4,682	4,682
52230 Telephone	1,378	2,795	2,700	0	0	0
52234 Dues & Subscript.	100	500	500	300	300	300
52244 Maint. and Repair	61,926	161,000	142,500	152,100	124,100	324,100
52253 Consultant	0	20,000	16,000	14,500	30,000	60,000
52264 Equipment Rental	323	2,000	1,000	1,000	1,000	1,000
52265 Hauling	8,690	12,000	10,000	5,000	5,000	5,000
52272 Property Maint.	1,891	2,100	1,860	1,700	1,750	1,800
52279 Lab Services	9,806	12,000	12,000	12,100	10,500	10,500
52283 DuPage Water Com.	5,662,812	5,487,000	5,956,000	6,080,000	6,142,000	6,204,000
52284 Equipment Maint.	1,011	1,200	700	1,000	1,000	1,000
52286 Pavement Restor.	4,450	5,000	5,000	5,000	5,000	5,000
Subtotal	5,782,761	5,742,586	6,185,451	6,317,088	6,364,148	6,657,581
Commodities						
53210 Electricity	61,500	65,000	65,000	65,000	65,000	65,000
53230 Natural Gas	607	1,200	1,000	1,000	1,000	1,000
53313 Auto Gas	8,420	12,180	10,872	11,940	12,561	13,214
53316 Small Tools	2,064	2,000	2,000	2,000	2,000	2,000
53317 Operating Supplies	32,355	59,730	59,730	53,100	52,600	52,600
53331 Chemicals	943	500	1,000	1,000	1,000	1,000
53350 Small Equipment	889	8,050	8,050	10,000	4,500	3,500
Subtotal	106,778	148,660	147,652	144,040	138,661	138,314
Capital Outlay						
54412 Other Equipment	0	35,025	31,000	11,000	0	0
54415 Vehicles	0	0	0	120,000	83,000	165,000
54480 Construction	19,030	2,278,000	60,000	2,743,000	440,000	150,000
Subtotal	19,030	2,313,025	91,000	2,874,000	523,000	315,000
Totals	\$ 6,327,493	\$ 8,663,816	\$ 6,871,932	\$ 9,819,596	\$ 7,511,662	\$ 7,599,104

Water Metering Expenditures (04201400)

Acct. #/Description	Actual FY 15/16	Revised Budget FY 16/17	Estimated Expenditure FY 16/17	Proposed Budget FY 17/18	Projected FY 18/19	Projected FY 19/20
Salaries & Wages						
51102 Personal Services	\$ 63,067	\$ 53,459	\$ 55,000	\$ 57,258	\$ 58,039	\$ 58,039
51109 Overtime	4,887	2,000	3,750	5,000	1,500	1,500
51111 Group Insurance	6,193	9,670	7,701	8,700	9,135	9,592
51112 IMRF	9,647	7,814	7,814	8,494	8,608	8,608
51113 FICA	5,005	4,192	4,192	4,551	4,611	4,611
51114 Workers Comp.	1,385	1,301	1,301	1,301	1,301	1,301
Subtotal	90,184	78,436	79,758	85,304	83,194	83,651
Contractual Services						
52212 Auto Maint. & Repair	15,717	19,924	19,924	24,313	23,747	24,627
52224 Vehicle Insurance	3,532	3,322	3,322	3,322	3,322	3,322
52253 Consultant	0	30,000	13,770	5,000	0	0
52282 Meter Maintenance	17,552	5,000	5,000	30,000	5,000	5,000
Subtotal	36,801	58,246	42,016	62,635	32,069	32,949
Commodities						
53313 Auto Gas	4,912	7,105	6,342	6,965	7,327	7,708
53333 Meters	145,809	150,000	150,000	4,130,000	20,000	20,000
Subtotal	150,721	157,105	156,342	4,136,965	27,327	27,708
Debt						
56490 Principal on Debt	0	0	0	0	153,000	165,000
56491 Interest on Debt	0	0	0	0	327,000	315,000
Subtotal	0	0	0	0	480,000	480,000
Totals	\$ 277,706	\$ 293,787	\$ 278,116	\$ 4,284,904	\$ 622,590	\$ 624,308

Utility Billing Expenditures (04203100)

Acct. #/Description	Actual FY 15/16	Revised Budget FY 16/17	Estimated Expenditures FY 16/17	Proposed Budget FY 17/18	Projected FY 18/19	Projected FY 19/20
Salaries & Wages						
51102 Personal Services	\$ 88,524	\$ 94,769	\$ 92,000	\$ 101,502	\$ 102,888	\$ 102,888
51109 Overtime	27	0	23	500	500	500
51111 Group Insurance	13,974	16,724	12,299	16,785	17,624	18,505
51112 IMRF	12,594	13,337	12,800	14,287	14,488	14,488
51113 FICA	6,380	7,159	6,400	7,661	7,767	7,767
51114 Workers Comp.	180	169	169	169	169	169
Subtotal	121,679	132,158	123,691	140,904	143,436	144,317
Contractual Services						
52221 Utility Bill Processing	61,638	59,000	62,500	66,000	65,500	68,000
52229 Postage	27,702	29,100	26,800	28,000	28,000	28,000
52237 Audit Fees	5,000	5,000	5,000	5,000	5,000	5,000
52255 Software Maintenance	7,767	40,700	12,000	32,200	17,800	14,000
52256 Banking Services	3,163	4,500	4,000	4,455	4,500	4,500
52280 Municipal Service Charge	175,000	201,000	201,000	202,000	197,500	201,500
Subtotal	280,270	339,300	311,300	337,655	318,300	321,000
Totals	\$ 401,949	\$ 471,458	\$ 434,991	\$ 478,559	\$ 461,736	\$ 465,317

POLICE PENSION FUND

The Carol Stream Police Pension Fund is organized under state statutes (40 ILCS 5/3-101) to provide retirement benefits for sworn police personnel. The Police Pension Fund is administered by a five-member Pension Board as defined by statute, and includes two citizens appointed by the Mayor and Village Board, two active police officers, and one current beneficiary. The Financial Management Department provides administrative assistance to the Fund.

**TAX INCREMENT FINANCING DISTRICT (TIF) 2 FUND
GENEVA CROSSING**

The TIF 2 Fund was established to retire the bonds that were issued for the Geneva Crossing Tax Increment Financing District in 1997. The 1997 TIF Bonds were replaced by Senior Lien Tax Increment Revenue Refunding Bonds, Series 2005. Incremental property taxes plus a portion of the sales taxes produced within the TIF were pledged to pay the debt service on the bonds. As of December 30, 2015 all of the outstanding bonds had been retired. The TIF was formally dissolved on December 31, 2016 with residual balances distributed back to impacted taxing jurisdictions prior to April 30, 2017.

**TAX INCREMENT FINANCING DISTRICT (TIF) 3 FUND
NORTH AVENUE AND SCHMALE ROAD**

On December 5, 2011, the Village created the North Avenue and Schmale Road Tax Increment Financing District as a means to facilitate appropriate economic incentives for future development of this key entryway at the Village's eastern boundary.

A redevelopment agreement was approved in July 2013 with Caputo's New Farm Produce, Inc. for the addition of a new 70,000 square foot retail grocery store and 242,000 square foot regional warehouse, office and distribution facility. Construction of this development was completed in 2014. Incentives to be paid from the TIF come solely from incremental property taxes generated by the grocery store parcel plus a portion of sales taxes created by the development and are paid in accordance with the terms of the redevelopment agreement.

NARRATIVE

The Carol Stream Police Pension Fund is organized under state statutes (40 ILCS 5/3-101) to provide retirement benefits for its police officers. The Police Pension Fund is administered by a five-member Pension Board and includes two citizens appointed by the Village Board, two active police officers, and one current beneficiary. The Financial Management Department provides administrative assistance to the Fund.

Money used to pay for the benefits of retired police officers comes from three sources:

- Active Police Officers – Each officer pays 9.91 percent of their base salary as an on-going contribution into the fund (there are 69 budgeted sworn officer participants).
- Investment Income – Income generated by the Fund’s investment holdings. The pension fund investment portfolio has a longer-term focus than that used for general Village investments. As of April 30, 2016, the Fund had total net assets of \$41.5 million which is held in trust for its members. The Fund assumes an investment rate of return of 7.25%.
- Village Contribution – According to calculations performed by an independent actuary, this is the amount needed to fully fund the plan (from a long-term time perspective) based on a set of interest earnings rate, salary rate increase, mortality, and other assumptions. For FY17/18, the actuarially determined contribution by the Village is \$2,072,751, up 13.1% from the FY16/17 contribution. At the completion of the actuary’s latest report (4/30/16) the Pension Fund was 59.4% of “fully funded” status.

The pension plan, as set by State law, provides retirement benefits at age 50, with a minimum of 20 years of service, at a rate of one half the annual salary attached to the rank held on the last day of service. The annual pension increases by 2.5% of the annual salary for each additional year of service over 20 years up to 30 years to a maximum of 75% of such annual salary. Generally, upon the attainment of age 55, retired Police Officers receive an annual compounded increase in their pension of 3% each January 1st. As of January, 2017, there are 36 beneficiaries receiving a monthly pension from the Police Pension Fund at an annualized cost of about \$2.7 million.

Late in 2010, the Illinois General Assembly adopted a number of reforms in the pension law which resulted in the creation of a new benefit tier for new plan entrants hired on or after January 1, 2011. Major changes included an increase in the minimum retirement age to 55, annual non-compounded pension increases which begin at age 60, and salary used to compute pension will be based on the highest 96 of the last 120 months of service, subject to a maximum pensionable salary limited by an annual growth cap. This legislation also expanded investment authority, extended the amortization period for unfunded liabilities from 2033 to 2040, and imposed funding targets and penalties to municipalities for failing to adequately fund pension obligations.

Village of Carol Stream

POLICE PENSION FUND

Detail

Acct. # / Description	Actual FY 15/16	Revised Budget FY 16/17	Estimated FY 16/17	Proposed Budget FY 17/18	Projected FY 18/19	Projected FY 19/20
Revenues						
46504 Investment Income - Gov. Secur.	\$ 458,485	\$ 650,000	\$ 0	\$ 0	\$ 0	\$ 0
46506 Investment Income - IL Funds	524	500	0	0	0	0
46511 Investment Income	(678,154)	1,750,000	750,000	2,500,000	2,625,000	2,750,000
46525 Gain/(Loss)	126,621	900,000	500,000	500,000	600,000	750,000
47333 Employee Contribution	562,643	572,000	569,000	638,000	657,000	677,000
47334 Contributions - Prior Years	15,928	0	9,200	8,000	4,200	0
47336 Interest From Members	17,654	0	1,000	500	100	0
47407 Miscellaneous Revenue	3,125	0	0	0	0	0
49330 Employer Contribution	1,705,946	1,833,135	1,833,135	2,072,751	2,280,000	2,500,000
Total Revenue	\$2,212,772	\$5,705,635	\$3,662,335	\$5,719,251	\$6,166,300	\$6,677,000
Expenses						
Contractual Services						
52222 Meetings	4,760	6,000	5,000	6,000	6,000	6,000
52234 Dues & Subscriptions	1,045	1,500	1,045	1,500	1,500	1,500
52238 Legal Fees	11,579	7,500	3,000	7,500	7,500	7,500
52256 Banking Services	5,288	6,000	5,500	6,000	6,000	6,000
52259 Accounting Services	12,636	14,500	11,000	12,000	12,500	13,000
52292 Management Fee	73,863	80,000	80,000	85,000	90,000	95,000
52293 Bonding & Insurance	3,793	4,000	3,793	4,000	4,500	5,000
52294 Secretary Services	405	500	7,500	16,000	16,000	16,000
52295 Medical Examinations	960	20,000	2,200	5,000	5,000	5,000
Subtotal	114,329	140,000	119,038	143,000	149,000	155,000
Other Expenses						
57473 Retirement Pensions	1,956,448	2,450,000	2,320,000	2,700,000	3,000,000	3,250,000
57474 State Filing Fee	7,768	8,000	8,000	8,000	8,000	8,000
57475 Contribution Refunds	0	0	1,508	0	0	0
57476 Disability Pensions	132,752	150,000	139,300	140,000	140,000	140,000
57478 Surviving Spouse Pension	85,479	85,500	51,000	61,000	61,000	61,000
Subtotal	2,182,447	2,693,500	2,519,808	2,909,000	3,209,000	3,459,000
Total Expenses	\$2,296,776	\$2,833,500	\$2,638,846	\$3,052,000	\$3,358,000	\$3,614,000
Net Increase / (Decrease)	\$ (84,004)	\$2,872,135	\$1,023,489	\$2,667,251	\$2,808,300	\$3,063,000

Village of Carol Stream

TAX INCREMENT FINANCING DISTRICT 2 GENEVA CROSSING

Revenues, Expenditures and Changes in Fund Balances

The Tax Increment Financing (TIF) District - Geneva Crossing Debt Service Fund was set up in 1997 to retire the \$4.8 million in bonds that were issued for the Geneva Crossing Tax Increment Financing District. In 2005, this issue was refinanced to take advantage of the favorable interest rate environment. The 2005 bonds were originally scheduled to retire on December 30, 2021.

In December of 2014, the Village called (paid early) the last three years of bond maturities in 2021, 2020 and 2019, resulting in future interest cost savings of more than \$306,000. In December of 2015, the Village called the remaining three years of maturities in 2018, 2017 and 2016 thus extinguishing the remaining debt in its entirety. An additional \$52,000 in interest savings was achieved from this second early redemption.

On October 17, 2016, the Village Board approved an ordinance terminating the designation of the Geneva Crossing TIF Redevelopment Project Area and dissolving the Tax Increment Allocation Fund. Residual balances within the TIF were distributed among the various impacted taxing jurisdictions within the TIF and the TIF Fund closed as of the end of the fiscal year on April 30, 2017.

Acct. # / Description	Actual	Revised		Proposed		
	FY 15/16	Budget FY 16/17	Estimated FY 16/17	Budget FY 17/18	Projected FY 18/19	Projected FY 19/20
Beginning Balance, May 1	\$ 1,093,021		\$ 229,900	\$ 0	\$ 0	\$ 0
Revenues/Sources						
41101 Incremental Property Tax	418,531	425,000	533,661	0	0	0
46501 Interest Income	176	500	0	0	0	0
49330 Transfer from General Corporate Fund	13,472	42,000	0	0	0	0
Total Revenues/Sources	432,179	467,500	533,661	0	0	0
Expenditures/Uses						
56290 Principal Retirement	1,140,000	0	0	0	0	0
56491 Interest Expense	54,480	0	0	0	0	0
52238 Legal Services	2,982	2,500	5,000	0	0	0
56292 Miscellaneous	97,838	827,872	758,561	0	0	0
Total Expenditures/Uses	1,295,300	830,372	763,561	0	0	0
Net Increase / (Decrease)	(863,121)	(362,872)	(229,900)	0	0	0
Ending Balance, April 30	\$ 229,900		\$ 0	\$ 0	\$ 0	\$ 0

Village of Carol Stream

TAX INCREMENT FINANCING DISTRICT 3 NORTH AVENUE AND SCHMALE ROAD

Revenues, Expenditures and Changes in Fund Balances

On December 5, 2011, having satisfied all of the requirements for TIF eligibility, the Village created the North Avenue and Schmale Road Tax Increment Financing District as a means to facilitate appropriate economic incentives for future development of this key entryway at the Village's eastern boundary. The TIF occupies the southwest corner of North Avenue and Schmale Road.

The Village approved a Redevelopment Agreement on July 15, 2013 with Caputo's New Farm Produce to convert a portion of the redevelopment area into a retail grocery store and warehouse operation. The negotiated developer incentive will be paid entirely from incremental property taxes generated by the development and 50% of the sales taxes produced for a maximum term of thirteen years. In the event, the established development incentive has not been paid to the developer by that time, an additional two years of incremental property taxes only will be paid for no more than an additional two years or until the full incentive amount has been paid, whichever occurs sooner.

Acct. # / Description	Actual FY 15/16	Revised	Estimated FY 16/17	Proposed	Projected FY 18/19	Projected FY 19/20
		Budget FY 16/17		Budget FY 17/18		
Beginning Balance, May 1	\$ 28,562		\$ 40,443	\$ 127,043	\$ 210,043	\$ 296,043
Revenues/Sources						
41150 Tax Increment - Caputo's	0	0	145,000	165,000	175,000	185,000
41175 Tax Increment - Undesig	14,477	14,000	46,000	50,000	55,000	60,000
46501 Interest Income	73	100	500	5,000	7,500	10,000
49340 Sales Taxes - Caputo's	78,695	90,000	75,500	73,500	72,500	71,500
49350 TIF Contrib. - Caputo's	0	0	14,500	16,500	17,500	18,500
49375 TIF Contrib - Undesign.	1,448	2,000	4,600	5,000	5,500	6,000
Total Revenues/Sources	94,693	106,100	286,100	315,000	333,000	351,000
Expenditures/Uses						
52238 Legal Services	738	2,000	1,500	2,000	2,000	2,000
56490 Loan Principal	0	0	0	65,000	110,000	125,000
56491 Loan Interest	82,074	140,000	198,000	165,000	135,000	130,000
Total Expenditures/Uses	82,812	142,000	199,500	232,000	247,000	257,000
Net Increase / (Decrease)	11,881	(35,900)	86,600	83,000	86,000	94,000
Ending Balance, April 30	\$ 40,443		\$ 127,043	\$ 210,043	\$ 296,043	\$ 390,043

INTRODUCTION TO SMALL CELL ANTENNAS

Village Board Workshop

March 6, 2017



INTRODUCTION

Cell phone providers and consultants have been contacting many municipalities in the Chicagoland area about placing small cell antenna equipment on public infrastructure or on ComEd power poles.

Mobilitie "a neutral host" and Verizon Wireless have expressed interest in installing small cell facilities in the Village and others are likely to follow.

MOBILE DATA TRENDS



- 📶 Rapidly expanding use of cellular technology not only to provide voice service but digital data connection for smartphones, tablets and other devices has placed a growing demand on cellular networks.
- 📶 Mobile data traffic is expected to grow 6-fold from 2015 to 2020, a compound annual growth rate of 42%.
- 📶 90% of households now use wireless service.
- 📶 Wireless data traffic has surpassed wired data traffic.
- 📶 Smart phones generate 41x more data traffic.
- 📶 30 Million megabytes of data are used every five minutes for media streaming.
- 📶 56% of mobile data is video.

MACRO CELLS – CURRENT TECHNOLOGY

Many of us are familiar with macro cells.

A macro cell is a mobile phone network site that provides radio coverage to a large geographic area. Macro cells are typically mounted to towers that range from 50-200 feet in height and have a range of up to several miles.

Several throughout the community mounted on stand alone towers and attached to existing structures, including the Village's water towers.



SMALL CELL ANTENNAS (MICRO CELLS)



New technology.

Cellular carriers and neutral hosts are now enabled to place small cells (micro cells) in areas that large cell sites don't cover well enough.

They can be placed to increase coverage in small geographic areas.

Small cells can also increase capacity in densely populated areas.

Small cell sites have a range from a half mile to a mile. (The higher the small cell is mounted, the greater the range)

Small cells are supplemented to address the shortcomings of macro cells.

Small cells communicate with macro cell sites through a radio frequency or a fiber optic line to backhaul to the cellular carrier equipment.

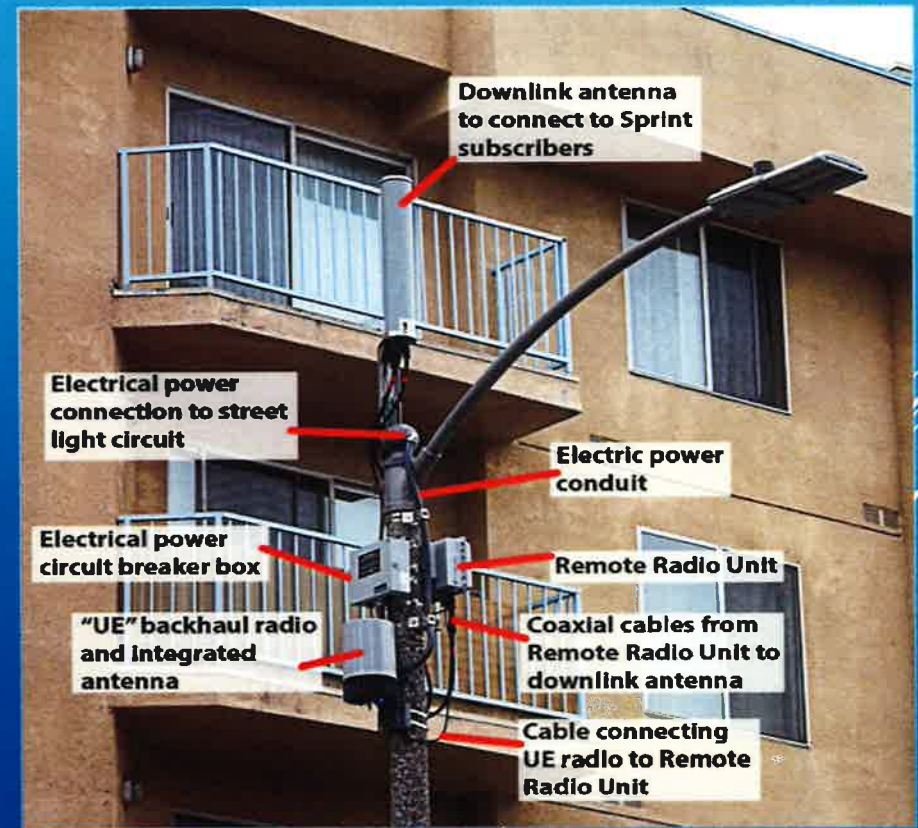
WHERE ARE SMALL CELLS BEING PLACED?

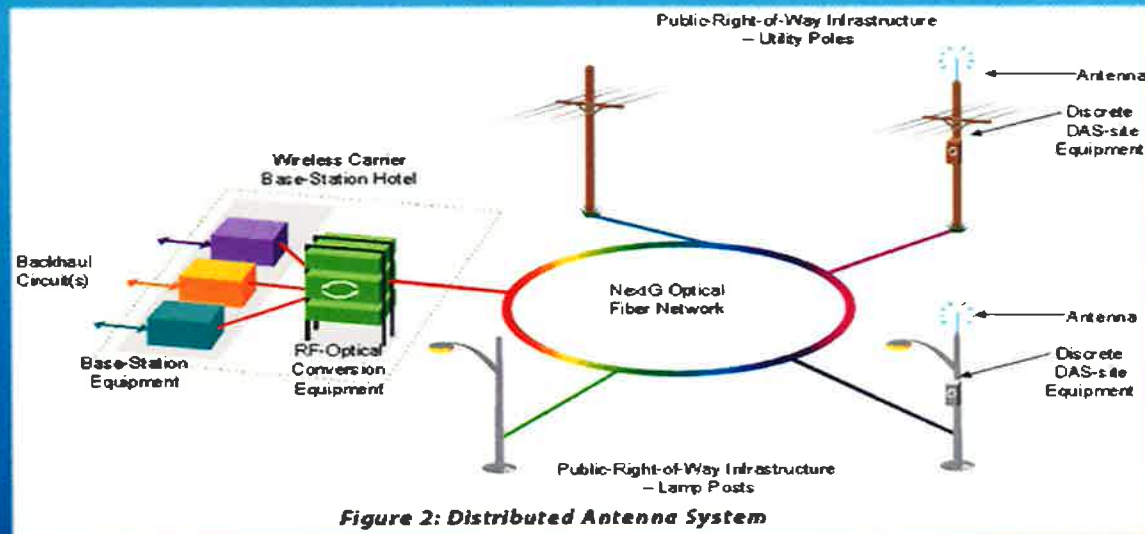
Small cells can be found inside stadiums, throughout a large building or campus.

With respect to municipal installations, we can expect attachments to:

- Ⓐ Light poles
- Ⓐ Traffic signals
- Ⓐ Utility poles
- Ⓐ Publicly owned buildings and structures
- Ⓐ New single use poles

Installations may not be limited solely to the right-of-way.



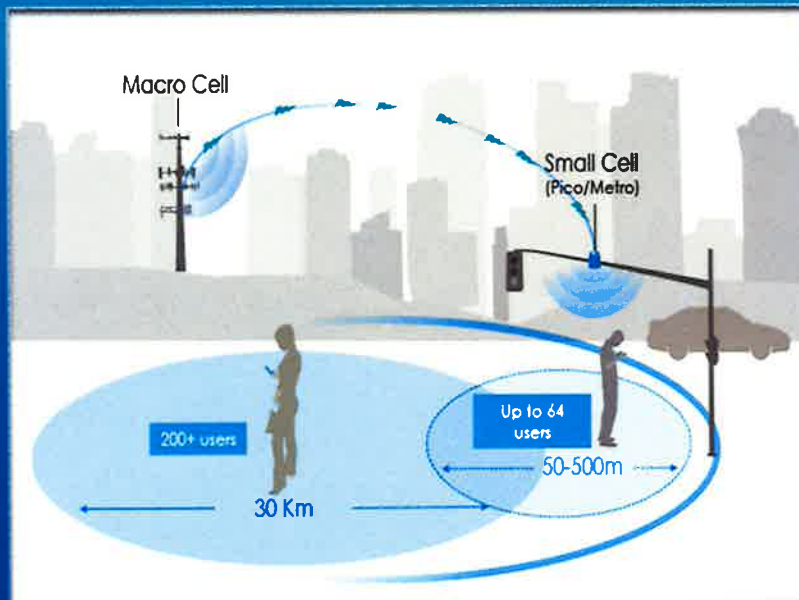


A SMALL CELL NETWORK AND DISTRIBUTED ANTENNA SYSTEM (DAS)

A distributed antenna system is a network of spatially separated antenna nodes connected to a common source through a transport network that provides wireless service within a geographic area or inside a structure.

Simply stated - small cell sites communicate to a macro site via radio frequency or fiber optic lines to create a stronger and faster cellular data network.

WHY ARE SMALL CELL NETWORKS NECESSARY?



- 📶 Mobile data expected to increase by 650% from 2014-2018.
- 📶 Small cell capacity is overtaking macro cell capacity.
- 📶 DAS and small cell is less expensive, compact and with low power consumption.
- 📶 Supplement the shortcomings of macro cell sites.
- 📶 Can improve network performance by 300%.
- 📶 Provides more reliable and faster networks (5G/LTE).
- 📶 Provides location sensitive deployment.
- 📶 Boost coverage in a "dead zone".
- 📶 Capacity in an area can be increased quickly and economically.
- 📶 Small cells are an essential part the future of wireless carrier networks

SAMPLE SMALL CELL INSTALLATIONS



Attachment to a Streetlight



SAMPLE SMALL CELL INSTALLATIONS



Attachment to a Power Pole



SAMPLE SMALL CELL INSTALLATIONS



Stand Alone Poles



SAMPLE SMALL CELL INSTALLATIONS



Attachment to a Traffic Signal

QUESTIONS?

