

Village of Carol Stream

SPECIAL WORKSHOP MEETING

MONDAY, MARCH 2, 2020

6:00 P.M.

GREGORY J. BIELAWSKI MUNICIPAL CENTER

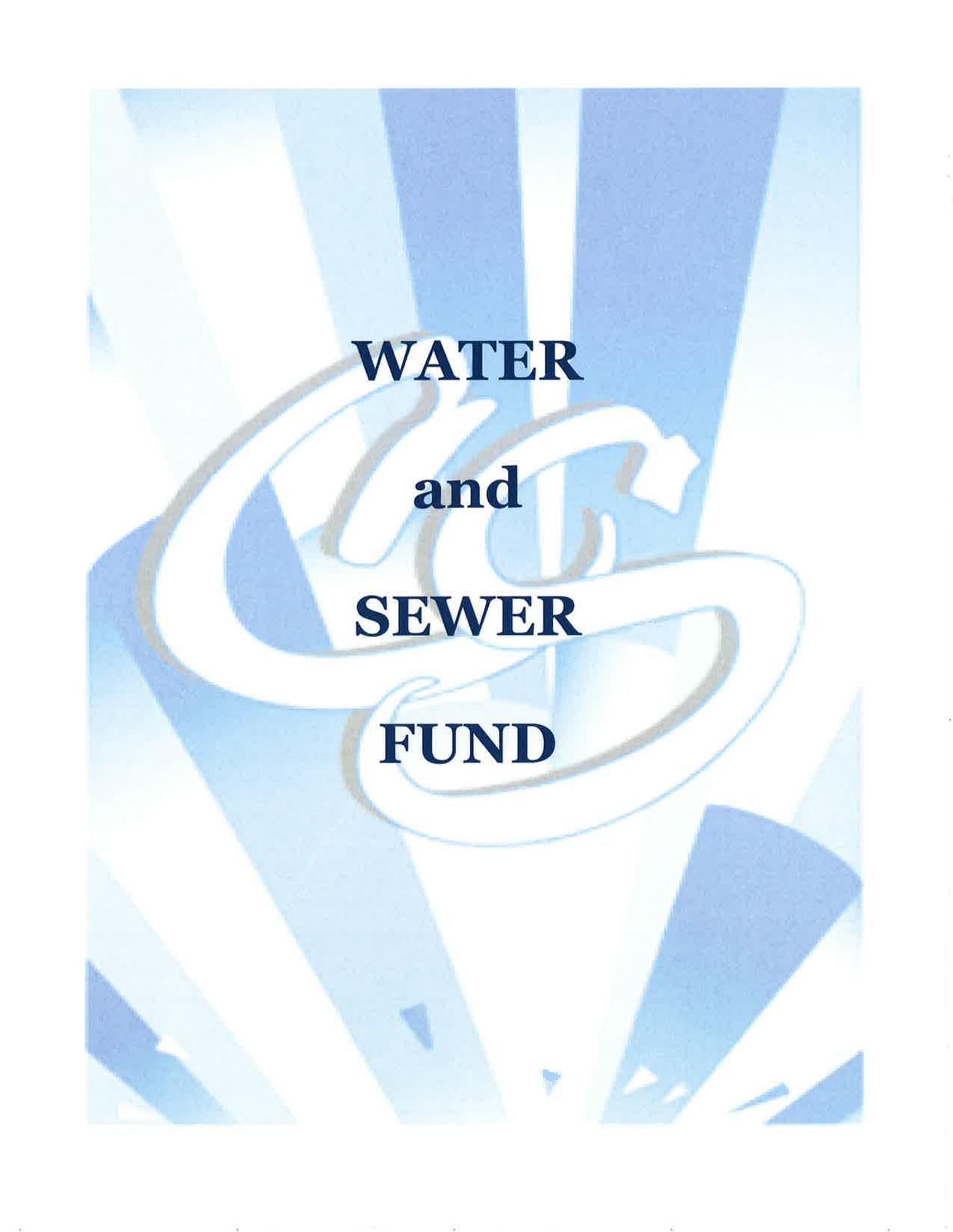
500 N. GARY AVENUE

CAROL STREAM, ILLINOIS 60188

BOARD ROOM

AGENDA

1. CALL TO ORDER
2. ATTENDANCE
3. FY 21 BUDGET WORKSHOP – WATER & SEWER FUND, CAPITAL IMPROVEMENTS PROGRAM AND OTHER FUNDS
4. OTHER BUSINESS
5. ADJOURNMENT

The background features a large, stylized white dollar sign (\$) with a 3D effect, set against a blue and white geometric pattern of diagonal stripes and shapes. The text is centered over the dollar sign.

WATER

and

SEWER

FUND

Village of Carol Stream

WATER AND SEWER FUND

Summary Revenues & Expenses

	Actual FY 18/19	Revised Budget FY 19/20	Estimated Expenditures FY 19/20	Proposed Budget FY 20/21	Projected FY 21/22	Projected FY 22/23
REVENUES	\$ 13,074,303	\$ 13,560,000	\$ 13,488,000	\$ 13,530,000	\$ 13,810,000	\$ 14,100,000
EXPENSES						
Operating Expenses						
Salaries & Wages	1,627,851	1,670,102	1,837,115	1,990,555	2,003,616	2,017,254
WRC Contract	1,798,153	1,894,000	1,894,000	1,945,000	2,000,000	2,055,000
DuPage Water Comm.	6,396,864	6,024,000	5,645,000	5,715,000	5,830,000	5,945,000
Contractual Services	1,599,992	1,781,019	1,549,227	2,002,275	1,897,295	1,840,986
Commodities	704,347	648,593	636,822	688,531	661,502	334,888
Debt	484,516	484,560	484,560	483,579	482,598	481,618
Total Operating Exp.	12,611,723	12,502,274	12,046,724	12,824,940	12,875,011	12,674,746
Net Income / (Loss)						
Before Capital	462,580	1,057,726	1,441,276	705,060	934,989	1,425,254
Capital Expenses						
Other Capital	30,019	165,000	165,000	174,000	-	-
Construction	160,376	3,503,000	580,000	5,810,000	105,000	1,850,000
Total Capital	190,395	3,668,000	745,000	5,984,000	105,000	1,850,000
Interfund Transfers	-	-	-	120,496	104,871	97,271
Total Expenses	12,802,118	16,170,274	12,791,724	18,929,436	13,084,882	14,622,017
Fund Income / (Loss)	\$ 272,185	\$ (2,610,274)	\$ 696,276	\$ (5,399,436)	\$ 725,118	\$ (522,017)
Proj. Fund Balance	11,428,670	8,636,668	12,124,946	5,820,785	6,545,903	6,023,886
Transfer to Equip/ Repl. Fund			(904,725)			
Adjusted 4/30/20 Proj. Fund Balance			11,220,221			

Village of Carol Stream
WATER AND SEWER FUND

Revenues

Description	Actual FY 18/19	Revised Budget FY 19/20	Estimated Revenues FY 19/20	Proposed Budget FY 20/21	Projected FY 21/22	Projected FY 22/23	Footnotes
Water & Sewer Fund Revenues							
44220 Water Billings	8,405,130	8,816,000	8,637,000	8,881,000	9,146,000	9,421,000	1
44221 Water Penalties	63,919	66,000	75,000	85,000	95,000	105,000	2
44223 Connect - Water	300	1,000	500	500	500	500	
44224 Meter Sales	10,027	15,000	25,000	15,000	15,000	15,000	
44225 Sewer Billings	3,720,681	4,053,000	3,985,000	3,985,000	3,985,000	3,985,000	3
44226 Sewer Penalties	33,645	40,000	35,000	36,500	38,000	39,000	4
44227 Connect - Sewer	2,200	2,000	2,000	2,000	2,000	2,000	
44228 Expansion Fee	22,369	25,000	42,000	25,000	25,000	25,000	
44255 Admin.Fee	70,720	70,000	75,000	75,000	75,000	75,000	5
46501 Interest Income	250,347	225,000	390,000	180,000	180,000	180,000	
47406 Wheaton San.	6,082	7,000	6,500	6,500	6,500	6,500	6
47407 Misc. Revenue	282,886	32,000	5,000	25,000	25,000	25,000	
47410 DPC Reimb.	56,891	56,000	56,000	55,000	54,000	53,000	7
47517 Rental Income	149,106	152,000	154,000	158,500	163,000	168,000	8
Total Revenues	\$ 13,074,303	\$ 13,560,000	\$ 13,488,000	\$ 13,530,000	\$ 13,810,000	\$ 14,100,000	

REVENUE FOOTNOTES

1. **Water Billings: (\$8,881,000)** Projected revenues from metered water sales are based on billing of 1.062 billion gallons of water, unchanged from projected billings in FY19/20.

In 2011, the City of Chicago announced a 4-year phased rate hike which increased water rates charged to the DuPage Water Commission (DWC) by 25%, 15%, 15%, and 15% in calendar years 2012 through 2015 respectively. This immediately followed a similar 3-year 34% rate hike. Throughout all of these rate increases, Carol Stream only passed on to Village residents and businesses its increased cost of purchasing water through the DuPage Water Commission. As a result of this, Carol Stream continues to have one of the lowest municipal water rates in DuPage County.

A table of historical Carol Stream water rates is shown below:

Schedule of Water Rate Changes

Date of Change	Rate per 1,000 Gal.		% Change
May 1, 2008	\$3.05		
Oct 1, 2008	3.25	*	6.6%
May 1, 2009	3.48	*	7.1%
May 1, 2010	3.88	*	11.5%
May 1, 2011	4.09	*	5.4%
Jan 1, 2012	4.78	*	16.9%
Jan 1, 2013	5.37	*	12.3%
Jan 1, 2014	6.02	*	12.1%
Jan 1, 2015	6.73	*	11.8%
May 1, 2016	6.93		3.0%
May 1, 2017	7.25		4.6%
May 1, 2018	7.75		6.9%
May 1, 2019	8.14		5.0%

* Rate increase for Chicago/DWC water purchase cost increases only.

Because the Village intentionally held back on rate increases above those passed along by the DWC, operating revenues fell behind and were insufficient to cover increases in other operating expense categories. Additional rate increases were necessary to fully cover operating expenses as well as add funding for future capital improvements. For May 1, 2020 the water rate is proposed to increase by \$0.24 from \$8.14 per 1,000 gallons to \$8.38. This 2.9% increase will fully cover all operating expenses as well as generate an additional \$292,859 to fund future capital infrastructure maintenance projects identified in the Village's long-range Capital Improvement Plan (CIP).

2. **Water Penalties: (\$85,000)** Per Village Ordinance, a 10% penalty is added for late water payments. Water bills are due 20 days after the billing date.
3. **Sewer Billings: (\$3,985,000)** Sanitary sewer service billings are assessed as a function of monthly water consumption. Billed sewer “usage” is budgeted at 81% of projected water usage because approximately 700 customer accounts in the southern area of the Village are serviced by the Wheaton Sanitary District and do not use Village sewer services.

A table of historical Carol Stream sewer rates is shown below:

Schedule of Sewer Rate Changes

Date of Change	Rate per 1,000 Gal.	% Change
May 1, 2008	\$2.51	
Oct 1, 2008	2.51	0.0%
May 1, 2009	2.51	0.0%
May 1, 2010	2.62	4.4%
May 1, 2011	2.62	0.0%
Jan 1, 2012	2.62	0.0%
Jan 1, 2013	2.62	0.0%
Jan 1, 2014	2.62	0.0%
Jan 1, 2015	3.12	19.1%
May 1, 2016	3.42	9.6%
May 1, 2017	3.82	11.7%
May 1, 2018	4.22	10.5%
May 1, 2019	4.66	10.4%

While sewer rate increases in 2015-2019 were implemented to cover gaps in operational funding, capital projects during and prior to this time were funded by using available cash reserves. As fund cash reserve balances have declined over the past 10 years, additional rate increases were necessary to fund future capital improvement projects. As of May 1, 2020, the fund is generating sufficient reserves again to adequately fund capital improvements over the next 3 years, thus no additional rate increase is recommended at this time.

4. **Sewer Penalties: (\$36,500)** Per Village Ordinance, a 10% penalty is added for late sewer payments. Sewer bills are due 20 days after the billing date.
5. **Shut-Off Notices / Administration Fee: (\$75,000)** Separate fees are charged to customers who are subject to service termination for non-payment to cover the additional administrative costs associated with this process. Presently a \$15 fee is charged for the production and mailing of a service termination notice and a \$50 fee is imposed to dispatch the Public Works Department to terminate/reinstate water service as needed.

6. **Wheaton Sanitary Fee: (\$6,500)** Pursuant to an intergovernmental agreement (IGA), the Village provides the Wheaton Sanitary District with monthly water meter readings for approximately 700 accounts in the southern portion of the Village which is mutually served by the Village (water) and Sanitary District (sewer). In exchange for this information, the Village receives a monthly fee of \$0.75 per reading for each account. Through the IGA, the Village also terminates water service at the request of the Sanitary District in situations of non-payment of delinquent sewer charges.

7. **DPC Water Main Reimbursement: (\$55,000)** In cooperation with DuPage County (DPC), in 2007 the Village received a 15 year loan from the DuPage Water Commission (DWC) in the amount of \$637,569 to assist homeowners in unincorporated Carol Stream (Rivera Court and Judith Lane) in connecting to the Village's Lake Michigan water supply because of contaminated wells. DuPage County established a Special Service Area, which imposes a special property tax on the benefitted homeowners to recover the cost of extending the Village water service. The Village receives these reimbursements annually from DPC in advance of our loan obligations to the DWC making this arrangement financially neutral to the Village. The final loan payment is due on September 1, 2025.

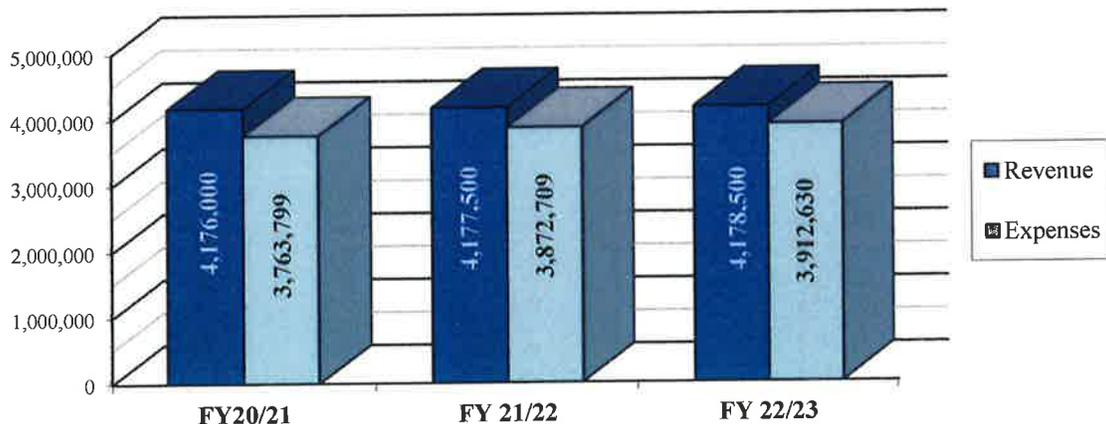
8. **Rental Income: (\$158,500)** The Village has entered into lease agreements with a number of telecommunications providers to permit the mounting of cellular equipment on Village water towers. These agreements help to promote good cellular service in the community as well as provide a financial benefit to the Water & Sewer Fund to assist in offsetting costs.

Village of Carol Stream
WATER AND SEWER FUND

Sewer Division
Revenues & Expenses

Description	Actual FY 18/19	Revised Budget FY 19/20	Estimated Expenditures FY 19/20	Proposed Budget FY 20/21	Projected FY 21/22	Projected FY 22/23
Sewer Revenues						
Sewer Billings	\$3,720,681	\$4,053,000	\$3,985,000	\$3,985,000	\$3,985,000	\$3,985,000
Sewer Penalties	33,645	40,000	35,000	36,500	38,000	39,000
Misc. Revenues	141,443	16,000	2,500	12,500	12,500	12,500
Shut-off/ Admin. Fee	35,360	35,000	37,500	37,500	37,500	37,500
Connect Fee - Sewer	2,200	2,000	2,000	2,000	2,000	2,000
Expansion Fee	11,185	12,500	21,000	12,500	12,500	12,500
Interest Income	125,174	112,500	195,000	90,000	90,000	90,000
Total Sewer Revenues	\$4,069,687	\$4,271,000	\$4,278,000	\$4,176,000	\$4,177,500	\$4,178,500
Sewer Expenses						
Operating Expenses						
Salaries & Wages	324,493	450,803	430,267	471,865	475,170	478,614
WRC Contract	1,798,153	1,894,000	1,894,000	1,945,000	2,000,000	2,055,000
Contractual Services	575,743	1,010,023	829,526	863,498	908,749	908,963
Commodities	48,942	42,180	40,534	54,786	60,140	41,403
Debt	428,279	428,650	428,650	428,650	428,650	428,650
Total Operating Exp.	3,175,610	3,825,656	3,622,977	3,763,799	3,872,709	3,912,630
Net Income / (Loss) Before Capital	894,077	445,344	655,023	412,201	304,791	265,870
Capital Expenses	139,583	425,000	180,000	2,522,000	50,000	1,850,000
Interfund Transfers	0	0	0	33,637	33,637	31,137
Total Sewer Expenses	\$3,315,193	\$4,250,656	\$3,802,977	\$6,319,436	\$3,956,346	\$5,793,767
Net Income/(Loss)	\$ 754,494	\$ 20,344	\$ 475,023	\$ (2,143,436)	\$ 221,154	\$ (1,615,267)

SEWER DIVISION
REVENUES vs. OPERATING EXPENSES FY20/21 - FY22/23

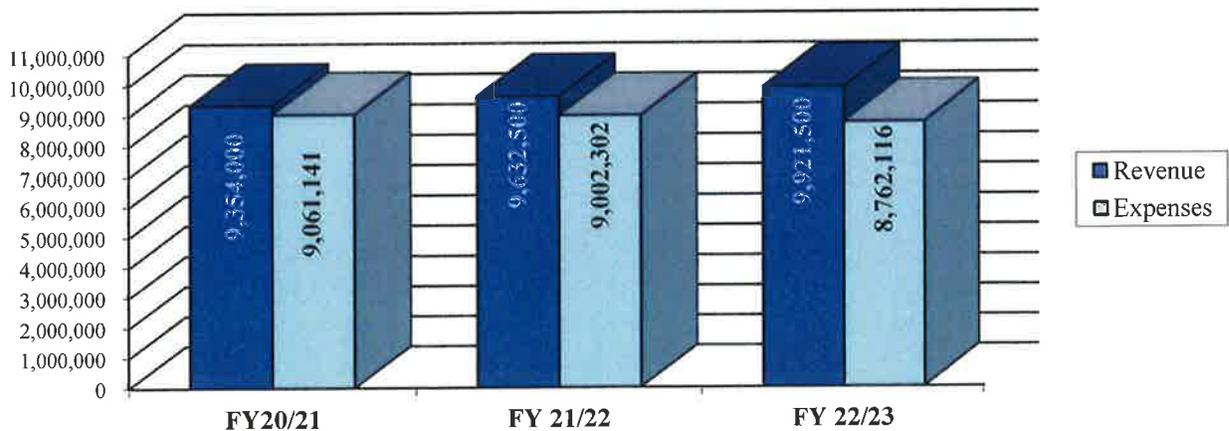


Village of Carol Stream
WATER AND SEWER FUND

Water Division
Revenues & Expenses

Description	Actual FY 18/19	Revised Budget FY 19/20	Estimated Expenditures FY 19/20	Proposed Budget FY 20/21	Projected FY 21/22	Projected FY 22/23
Water Revenues						
Water Billings	\$8,405,130	\$8,816,000	\$8,637,000	\$8,881,000	\$9,146,000	\$9,421,000
Water Penalties	63,919	66,000	75,000	85,000	95,000	105,000
Meter Sales	10,027	15,000	25,000	15,000	15,000	15,000
Misc. Revenues	141,443	16,000	2,500	12,500	12,500	12,500
Shut-off Admin. Fee	35,360	35,000	37,500	37,500	37,500	37,500
Wheaton Sanitary Fee	6,082	7,000	6,500	6,500	6,500	6,500
Interest Income	125,174	112,500	195,000	90,000	90,000	90,000
Rental Income	149,106	152,000	154,000	158,500	163,000	168,000
Connection Fee - Water	300	1,000	500	500	500	500
Expansion Fee	11,185	12,500	21,000	12,500	12,500	12,500
DPC Water Main Reimb	56,891	56,000	56,000	55,000	54,000	53,000
Total Water Revenues	\$9,004,616	\$9,289,000	\$9,210,000	\$9,354,000	\$9,632,500	\$9,921,500
Water Expenses						
Operating Expenses						
Salaries & Wages	1,303,358	1,219,299	1,406,848	1,518,690	1,528,446	1,538,640
DuPage Water Comm.	6,396,864	6,024,000	5,645,000	5,715,000	5,830,000	5,945,000
Contractual Services	1,024,249	770,996	719,701	1,138,777	988,546	932,023
Commodities	655,405	606,413	596,288	633,745	601,362	293,485
Debt	56,237	55,910	55,910	54,929	53,948	52,968
Total Operating Exp.	9,436,113	8,676,618	8,423,747	9,061,141	9,002,302	8,762,116
Net Income / (Loss) Before Capital	(431,498)	612,382	786,253	292,859	630,198	1,159,384
Capital Expenses	50,812	3,243,000	565,000	3,462,000	55,000	-
Interfund Transfers	-	-	-	86,859	71,234	66,134
Total Water Expenses	\$9,486,925	\$11,919,618	\$8,988,747	\$12,610,000	\$9,128,536	\$8,828,250
Net Income/(Loss)	\$ (482,310)	\$ (2,630,618)	\$221,253	\$ (3,256,000)	\$503,964	\$1,093,250

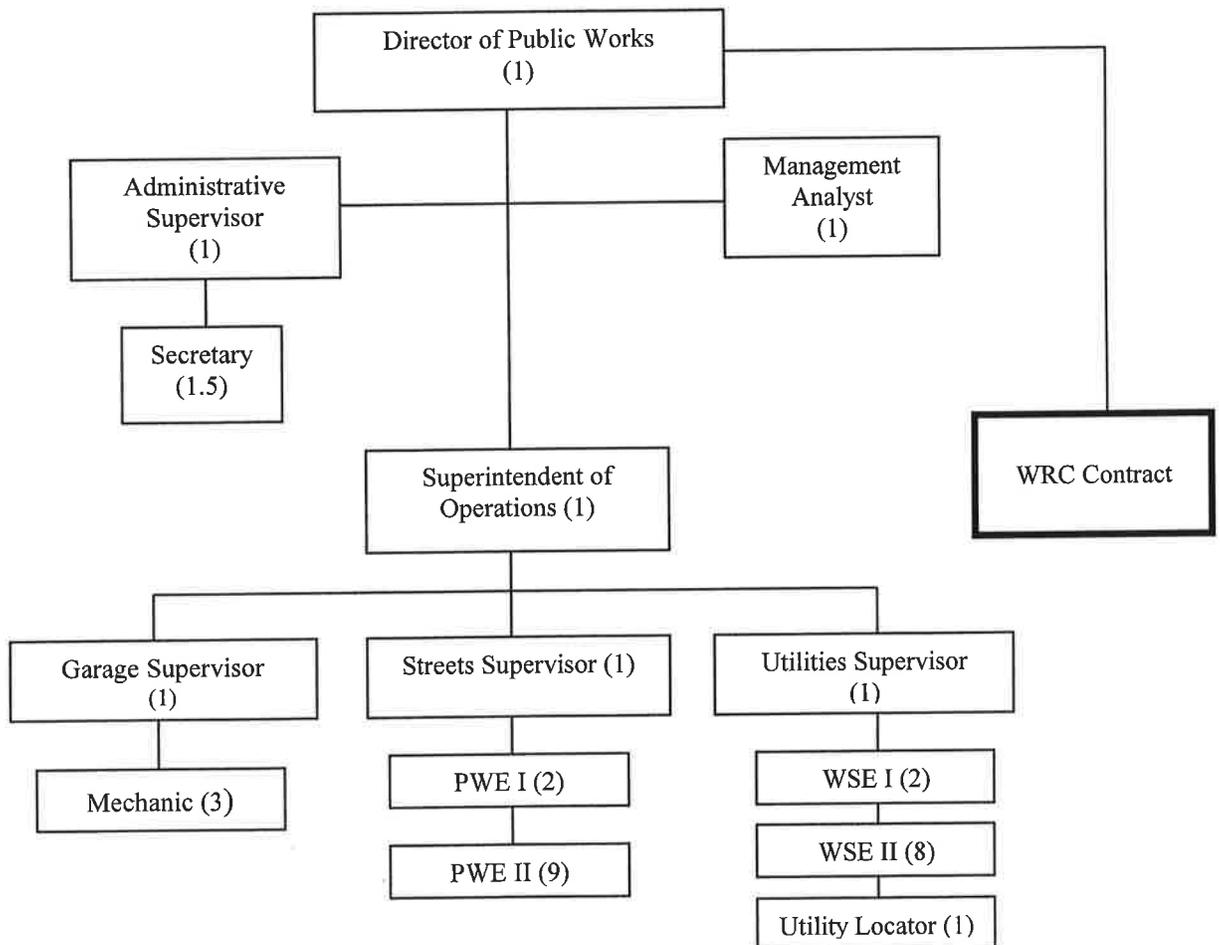
WATER DIVISION
REVENUES vs. OPERATING EXPENSES FY20/21- FY22/23



PERSONNEL SCHEDULE

	<u>Authorized FY18/19</u>	<u>Budget FY19/20</u>	<u>Proposed FY20/21</u>	<u>Projected FY21/22</u>	<u>Projected FY22/23</u>
Streets	18.5	18.5	17	17	17
Water/Sewer	12	12	12	12	12
Municipal Garage	4	4	4	4	4
Total	34.5	34.5	33	33	33

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 FY18/19	Budget FY19/20	Estimated FY19/20	Proposed FY20/21	Projected FY21/22	Projected FY22/23
Administration	\$666,185	\$731,993	\$701,908	\$749,099	\$747,327	\$747,798
Daily Treatment Operations	1,940,768	2,234,156	2,096,586	3,958,685	2,002,706	3,857,248
Sewer System Maintenance & Repair	246,880	716,789	465,759	1,049,367	648,356	629,229
Utility Billing	461,360	567,718	538,724	562,285	557,957	559,492
Totals	\$3,315,193	\$4,250,656	\$3,802,977	\$6,319,436	\$3,956,346	\$5,793,767

EXPENSES

Acct. #/Description	Actual FY 18/19	Revised Budget FY 19/20	Estimated Expenditures FY 19/20	Proposed Budget FY 20/21	Projected FY 21/22	Projected FY 22/23
Salaries & Wages						
51102 Personal Services	\$ 228,564	\$ 318,534	\$ 312,676	\$ 328,414	\$ 328,414	\$ 328,414
51106 Seasonal Help	6,145	4,980	6,777	5,478	5,976	6,474
51109 Overtime	5,641	6,600	4,200	5,000	5,000	5,000
51111 Group Insurance	32,539	51,103	51,627	56,129	58,936	61,882
51112 IMRF	29,428	39,252	30,525	46,608	46,608	46,608
51113 FICA	16,840	24,998	19,126	24,900	24,900	24,900
51114 Workers Comp.	5,336	5,336	5,336	5,336	5,336	5,336
Subtotal	324,493	450,803	430,267	471,865	475,170	478,614
Contractual Services						
52212 Auto Maint. & Repair	17,563	44,843	44,662	40,266	40,251	41,475
52221 Utility Bill Processing	50,297	55,000	52,500	55,900	59,400	63,400
52223 Training	1,773	2,625	2,225	4,775	2,400	7,950
52224 Vehicle Insurance	818	818	818	818	818	818
52229 Postage	26,559	28,500	26,800	27,000	28,000	29,000
52230 Telephone	3,246	3,288	3,288	3,288	3,454	3,623
52231 Copy Expense	100	250	100	125	125	125
52234 Dues & Subscriptions	54,195	89,565	89,600	92,238	94,992	97,830
52237 Audit Fees	6,000	5,000	5,000	5,000	5,000	5,000
52238 Legal Fees	3,204	6,500	6,500	5,000	3,000	3,000
52244 Maintenance and Repair	37,174	368,300	235,600	260,640	321,240	311,340
52253 Consultant	39,861	84,400	64,500	65,200	57,700	58,700
52255 Software Maintenance	22,623	38,000	15,300	28,600	21,100	21,800
52261 Liability Insurance	22,344	22,344	22,344	22,344	22,344	22,344
52262 WRC Contract	1,798,153	1,894,000	1,894,000	1,945,000	2,000,000	2,055,000
52263 Property Insurance	20,625	20,625	20,625	20,625	20,625	20,625
52272 NPDES Permit Fee	31,167	31,465	31,164	31,179	31,300	31,433
52274 Community Svc. Pgms.	694	1,000	1,000	1,000	1,000	1,000
52280 Municipal Service Chg.	237,500	207,500	207,500	199,500	196,000	189,500
Subtotal	2,373,896	2,904,023	2,723,526	2,808,498	2,908,749	2,963,963
Commodities						
53210 Electricity	11,382	11,000	10,000	11,000	11,000	11,000
53220 Water	997	1,000	1,000	1,000	1,000	1,000
53230 Natural Gas	1,565	1,500	1,500	1,500	1,500	1,500
53312 PWC Diesel Fuel	0	0	0	1,065	1,115	1,170
53313 Auto Gas	11,356	11,475	11,034	11,586	12,165	12,773
53317 Operating Supplies	10,829	8,650	8,650	10,650	11,925	8,525
53324 Uniforms	2,679	4,255	4,255	5,635	4,435	4,435
53350 Small Equipment	10,134	4,300	4,095	12,350	17,000	1,000
Subtotal	48,942	42,180	40,534	54,786	60,140	41,403

WATER AND SEWER FUND**PUBLIC WORKS****Sewer Division – Summary Detail****EXPENSES**

Acct. #/Description	Actual FY 18/19	Revised Budget FY 19/20	Estimated Expenditures FY 19/20	Proposed Budget FY 20/21	Projected FY 21/22	Projected FY 22/23
Capital / Debt						
54412 Other Equipment	0	0	0	67,000	0	0
54480 Construction	139,583	425,000	180,000	2,455,000	50,000	1,850,000
56490 Loan Principal	371,656	381,269	381,269	391,131	401,248	411,626
56491 Loan Interest	56,623	47,381	47,381	37,519	27,402	17,024
Subtotal	567,862	853,650	608,650	2,950,650	478,650	2,278,650
Interfund Transfers						
58500 Equip Repl Fund	0	0	0	33,637	33,637	31,137
Totals	\$ 3,315,193	\$ 4,250,656	\$ 3,802,977	\$ 6,319,436	\$ 3,956,346	\$ 5,793,767

NARRATIVE

The Administration Program includes staff time necessary for overseeing Wastewater Reclamation Center (WRC) contract operations, hosting regulatory audits, preparing the annual division budget, and preparing compliance reporting to regulatory authorities.

FY19/20 ACCOMPLISHMENTS

1. An open house was held at the WRC on October 5, attracting approximately 300 attendees. This event was a cooperative effort between the Village and plant contract operator Jacobs Engineering (formerly CH2M). This WRC open house event was featured in an industry magazine (Treatment Plant Operator) highlighting the partnership with other local agencies offering a variety of educational opportunities to the public.
2. The WRC was nominated by the Illinois Environmental Protection Agency (IEPA) for “Best Operated Wastewater Treatment Works” by the Illinois Association of Water Pollution Control Operators, one of only five agencies in Illinois among similar sized facilities.
3. The Village entered into a Memorandum of Understanding with ComEd to participate in a Strategic Energy Management assessment for the WRC. The two-year program engages WRC facility staff to identify and implement energy saving projects and track energy performance. Benefits include: energy management training and education for staff, technical assistance for identifying cost-saving projects, coaching and mentoring from industry professionals, tools for tracking energy performance and quantifying energy savings, and potential attraction of cash incentives for completed energy-saving projects.

FY20/21 OBJECTIVES

1. Expand the implementation of the asset management program software to include development of scheduling inspection and preventative maintenance work related to sanitary sewer lift stations.

WATER AND SEWER FUND**PUBLIC WORKS****Sewer Division – Administration Detail****Administration Expenditures (04100100)**

Acct. #/Description	Actual FY 18/19	Revised Budget FY 19/20	Estimated Expenditures FY 19/20	Proposed Budget FY 20/21	Projected FY 21/22	Projected FY 22/23
Salaries & Wages						
51102 Personal Services	\$ 62,364	\$ 86,977	\$ 67,396	\$ 71,066	\$ 71,066	\$ 71,066
51109 Overtime	1,300	3,100	1,500	1,500	1,500	1,500
51111 Group Insurance	11,765	14,409	13,732	12,654	13,287	13,951
51112 IMRF	7,792	10,704	5,892	10,159	10,159	10,159
51113 FICA	4,326	6,793	3,343	5,370	5,370	5,370
51114 Workers Comp.	1,340	1,340	1,340	1,340	1,340	1,340
Subtotal	88,887	123,323	93,203	102,089	102,722	103,386
Contractual Services						
52223 Training	1,624	1,625	1,625	3,775	1,650	950
52224 Vehicle Insurance	0	818	818	818	818	818
52230 Telephone	3,246	3,288	3,288	3,288	3,454	3,623
52234 Dues & Subscriptions	54,195	89,565	89,600	92,238	94,992	97,830
52238 Legal Fees	3,204	6,500	6,500	5,000	3,000	3,000
52255 Software Maintenance	10,408	0	0	0	0	0
52261 Liability Insurance	22,344	22,344	22,344	22,344	22,344	22,344
52263 Property Insurance	20,625	20,625	20,625	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.	694	1,000	1,000	1,000	1,000	1,000
Subtotal	146,340	175,765	175,800	179,088	177,883	180,190
Commodities						
53324 Uniforms	2,679	4,255	4,255	5,635	4,435	4,435
Subtotal	2,679	4,255	4,255	5,635	4,435	4,435
Debt						
56490 Loan Principal (IEPA)	371,656	381,269	381,269	391,131	401,248	411,626
56491 Loan Interest (IEPA)	56,623	47,381	47,381	37,519	27,402	17,024
Subtotal	428,279	428,650	428,650	428,650	428,650	428,650
Interfund Transfers						
58500 Equip Repl Fund	0	0	0	33,637	33,637	31,137
Totals	\$ 666,185	\$ 731,993	\$ 701,908	\$ 749,099	\$ 747,327	\$ 747,798

NARRATIVE

This program funds the Village's contract for the daily operation of the WRC. A 10-year contract with contract operator Jacobs Engineering (formerly CH2M) began on May 1, 2016. This long-term contract provides stability in operation and maintenance of the treatment with a partner that has demonstrated commitment to outstanding service delivery.

FY19/20 ACCOMPLISHMENTS

1. Planning and design for a replacement de-watering system was undertaken in FY20. Preliminary efforts included an assessment of current and future de-watering needs (due to expansion and anticipated regulatory treatment permit requirements), an evaluation of current technology and an assessment of construction and on-going maintenance costs. The project is scheduled for bidding in April 2020.
2. The United States Environmental Protection Agency (USEPA) gave preliminary approval of an amended Sewer Use Ordinance (SUO) and Local Limits. Approval and adoption of these documents by Ordinance in April 2020 is necessary to receive final approval from the USEPA prior to implementation.
3. A preliminary analysis was undertaken to assess the feasibility of installing solar technology to partially provide electricity at the WRC. This analysis was paid for under the WRC Operating Agreement which provides \$50,000 of no-cost engineering services provided by contract operator Jacobs Engineering.

FY20/21 OBJECTIVES

1. Staff will select a consulting engineer to oversee construction of the replacement de-watering system. Construction is projected to begin in November with substantial completion in April 2021.
2. Work with the Village Board, and then impacted departments, to approve and implement the USEPA's required update of the Sewer Use Ordinance and Local Limits.
3. Continue work with consultants to address the administrative and reporting requirements of conditions of the WRC operating permit including major projects related to: phosphorous removal, meeting the new limit and compliance schedule for dichlorobromomethane (DCBM).

Daily Treatment Operations Expenditures (04101100)

Acct. #/Description	Actual FY 18/19	Revised Budget FY 19/20	Estimated Expenditures FY 19/20	Proposed Budget FY 20/21	Projected FY 21/22	Projected FY 22/23
Contractual Services						
52212 Auto Maint. & Repr.	\$ 7,150	\$ 6,834	\$ 1,498	\$ 627	\$ 626	\$ 646
52224 Vehicle Insurance	277	0	0	0	0	0
52231 Copy Expense	100	250	100	125	125	125
52244 Maintenance & Repr.	906	2,000	15,600	500	500	0
52253 Consultant	8,060	5,000	5,000	7,000	1,000	1,000
52262 WRC Contract	1,798,153	1,894,000	1,894,000	1,945,000	2,000,000	2,055,000
Subtotal	1,814,646	1,908,084	1,916,198	1,953,252	2,002,251	2,056,771
Commodities						
53313 Auto Gas	563	1,072	388	433	455	477
Subtotal	563	1,072	388	433	455	477
Capital Outlay						
54480 Construction	125,559	325,000	180,000	2,005,000	0	1,800,000
Subtotal	125,559	325,000	180,000	2,005,000	0	1,800,000
Totals	\$ 1,940,768	\$ 2,234,156	\$ 2,096,586	\$ 3,958,685	\$ 2,002,706	\$ 3,857,248

NARRATIVE

Program responsibilities include maintenance of the sanitary sewer collection system, including over 109 miles of underground pipes and approximately 2,500 manhole structures and several lift stations and wet wells. The Supervisory Control and Data Acquisitions System (SCADA) is able to monitor flow rates and mechanical system performance and alert staff should problems arise.

FY19/20 ACCOMPLISHMENTS

1. Started contracted program to televise and assess every mile of pipe in the sanitary collection system. Staff supported contractor by responding to locations where their equipment was unable to proceed due to any number of problems (roots, debris, collapse, intrusion, etc.). Contractor work will continue into FY21.
2. Responded to thirty-six (36) Customer Service Requests (CSR's) related to sanitary sewer service. Twenty-nine (29) of those CSR's turned out to be problems originating in private service lines; the other seven (7) were related to blockages in the sewer main, only two of which resulted in a surcharge requiring reporting to the Illinois Environmental Protection Agency.

FY20/21 OBJECTIVES

1. Complete contractor project to televise and assess every mile of sanitary pipe in the collection system. Work will be completed in this fiscal year, but payment will be made over each of the next four fiscal years at no interest cost.
2. Complete installation of a by-pass sewer pipe originating in the area of Gary Avenue and Kehoe and heading south and west to address a potential collapse of an existing pipe under the Gary Avenue right-of-way.
3. Purchase sewer televising equipment to visually inspect and record condition of sanitary and storm sewer pipe and manholes, which will aid staff in better targeting maintenance and repair efforts.

WATER AND SEWER FUND**PUBLIC WORKS****Sewer Division – Sewer System Maint. & Repair Detail****Sewer System Maintenance & Repair Expenditures (04101500)**

Acct. #/Description	Actual FY 18/19	Revised Budget FY 19/20	Estimated Expenditures FY 19/20	Proposed Budget FY 20/21	Projected FY 21/22	Projected FY 22/23
Salaries & Wages						
51102 Personal Services	\$ 93,735	\$ 80,926	\$ 96,280	\$ 101,522	\$ 101,522	\$ 101,522
51106 Seasonal Help	6,145	4,980	6,777	5,478	5,976	6,474
51109 Overtime	4,094	3,000	2,200	3,000	3,000	3,000
51111 Group Insurance	11,012	13,469	12,782	18,038	18,940	19,887
51112 IMRF	12,523	10,096	7,433	14,633	14,633	14,633
51113 FICA	7,224	6,806	5,583	7,735	7,735	7,735
51114 Workers Comp.	3,885	3,885	3,885	3,885	3,885	3,885
Subtotal	138,618	123,162	134,940	154,291	155,691	157,136
Contractual Services						
52212 Auto Maint. & Repair	10,413	38,009	43,164	39,639	39,625	40,829
52223 Training	149	1,000	600	1,000	750	7,000
52224 Vehicle Insurance	541	0	0	0	0	0
52244 Maintenance & Repair	36,268	366,300	220,000	260,140	320,740	311,340
52253 Consultant	0	50,000	30,000	27,400	25,000	25,000
52272 Property Maintenance	1,167	1,465	1,164	1,179	1,300	1,433
Subtotal	48,538	456,774	294,928	329,358	387,415	385,602
Commodities						
53210 Electricity	11,382	11,000	10,000	11,000	11,000	11,000
53220 Water	997	1,000	1,000	1,000	1,000	1,000
53230 Natural Gas	1,565	1,500	1,500	1,500	1,500	1,500
53312 PWC Diesel Fuel	0	0	0	1,065	1,115	1,170
53313 Auto Gas	10,793	10,403	10,646	11,153	11,710	12,296
53317 Operating Supplies	10,829	8,650	8,650	10,650	11,925	8,525
53350 Small Equipment	10,134	4,300	4,095	12,350	17,000	1,000
Subtotal	45,700	36,853	35,891	48,718	55,250	36,491
Capital Outlay						
54412 Other Equipment	0	0	0	67,000	0	0
54480 Construction	14,024	100,000	0	450,000	50,000	50,000
Subtotal	14,024	100,000	0	517,000	50,000	50,000
Totals	\$ 246,880	\$ 716,789	\$ 465,759	\$ 1,049,367	\$ 648,356	\$ 629,229

NARRATIVE

The Utility Billing program for the combined water and sewer system is a function of the Financial Management Department. Approximately 10,000 residential and 1,000 multi-family, commercial and industrial water and sewer accounts are billed on a monthly basis. The Financial Management Department is also responsible for addressing all customer questions and concerns in regard to utility accounts, as well as all recordkeeping for payments received, receivables, late notices and shut-offs for non-payment. The Financial Management Department's operating costs for the utility billing function are charged directly to the Water and Sewer Fund.

FY19/20 ACCOMPLISHMENTS

1. Continued coordination with the Public Works Department in the multi-year AMR (Automated Meter Reading) Replacement Program which began in August 2018.
2. Implemented a number of water bill format programming changes that improved information provided to customers including the addition of historical monthly consumption values.

FY20/21 OBJECTIVES

1. As the AMR replacement program nears completion in the next few years, begin the planning process to implement a fixed base network where meter readings can be collected on-demand, from equipment mounted on water towers, eliminating the less efficient drive-by meter reading collection application.

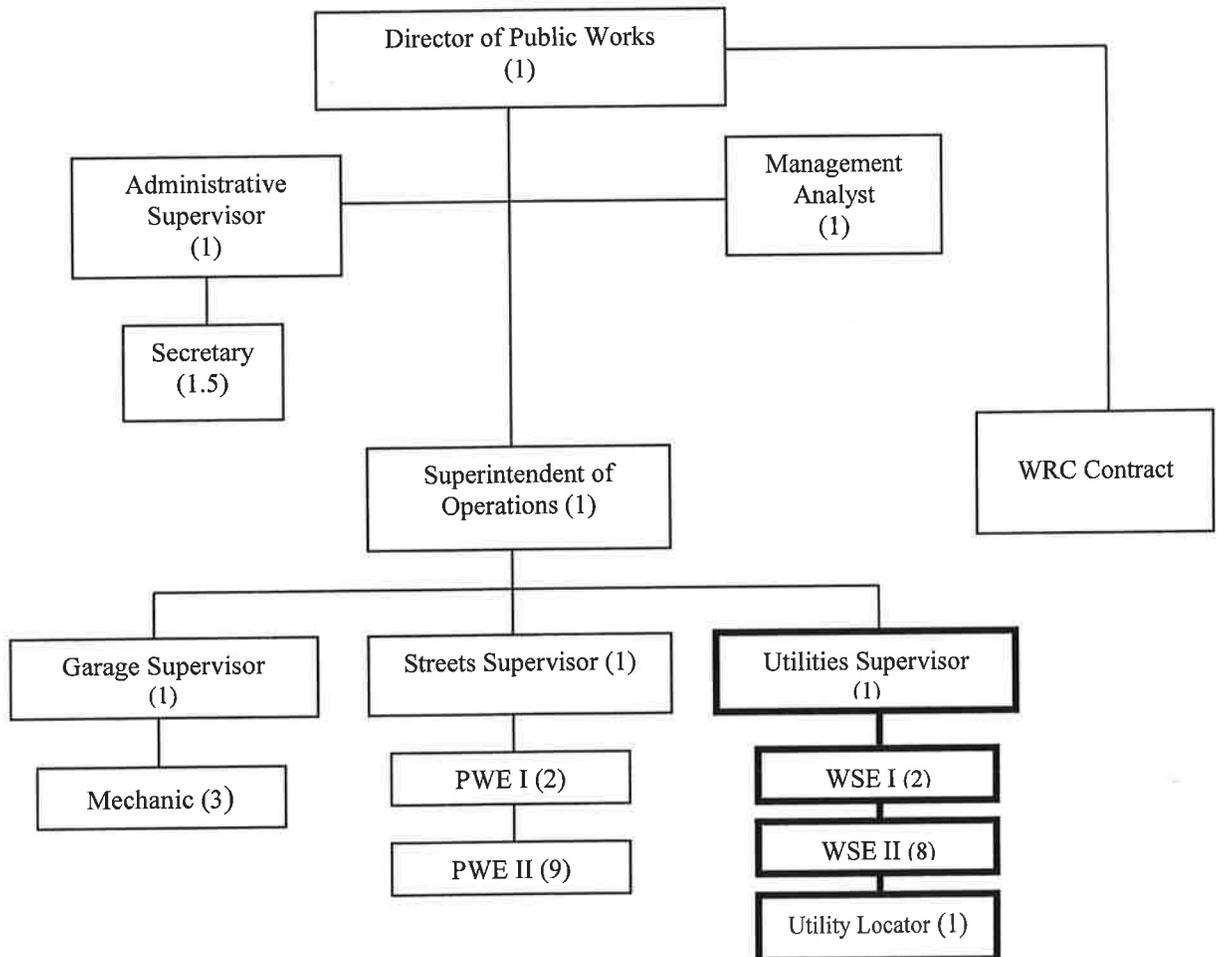
Utility Billing Expenditures (04103100)

Acct. #/Description	Actual FY 18/19	Revised Budget FY 19/20	Estimated Expenditures FY 19/20	Proposed Budget FY 20/21	Projected FY 21/22	Projected FY 22/23
Salaries & Wages						
51102 Personal Services	\$ 72,465	\$ 150,631	\$ 149,000	\$ 155,826	\$ 155,826	\$ 155,826
51109 Overtime	247	500	500	500	500	500
51111 Group Insurance	9,762	23,225	25,113	25,437	26,709	28,044
51112 IMRF	9,113	18,452	17,200	21,816	21,816	21,816
51113 FICA	5,290	11,399	10,200	11,795	11,795	11,795
51114 Workers Comp.	111	111	111	111	111	111
Subtotal	96,988	204,318	202,124	215,485	216,757	218,092
Contractual Services						
52221 Utility Bill Processing	50,297	55,000	52,500	55,900	59,400	63,400
52229 Postage	26,559	28,500	26,800	27,000	28,000	29,000
52237 Audit Fees	6,000	5,000	5,000	5,000	5,000	5,000
52253 Consultant	31,801	29,400	29,500	30,800	31,700	32,700
52255 Software Maintenance	12,215	38,000	15,300	28,600	21,100	21,800
52280 Municipal Service Charge	237,500	207,500	207,500	199,500	196,000	189,500
Subtotal	364,372	363,400	336,600	346,800	341,200	341,400
Totals	\$ 461,360	\$ 567,718	\$ 538,724	\$ 562,285	\$ 557,957	\$ 559,492

PERSONNEL SCHEDULE

	<u>Authorized FY18/19</u>	<u>Budget FY19/20</u>	<u>Proposed FY20/21</u>	<u>Projected FY21/22</u>	<u>Projected FY22/23</u>
Streets	18.5	18.5	17	17	17
Water/Sewer	12	12	12	12	12
Municipal Garage	4	4	4	4	4
Total	34.5	34.5	33	33	33

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 FY18/19	Budget FY19/20	Estimated FY19/20	Proposed FY20/21	Projected FY21/22	Projected FY22/23
Administration	\$653,175	\$603,935	\$642,733	\$863,775	\$770,255	\$767,439
Distribution System Operation and Maintenance	7,643,414	10,112,443	7,134,551	10,493,280	7,137,126	7,172,442
Water Metering	681,715	635,423	672,681	690,560	663,096	328,772
Utility Billing	508,621	567,817	538,782	562,385	558,059	559,597
Totals	\$9,486,925	\$11,919,618	\$8,988,747	\$12,610,000	\$9,128,536	\$8,828,250

WATER AND SEWER FUND**PUBLIC WORKS****Water Division – Summary Detail****EXPENSE**

Acct.#	Description	Actual FY 18/19	Revised Budget FY 19/20	Estimated Expenditures FY 19/20	Proposed Budget FY 20/21	Projected FY 21/22	Projected FY 22/23
Salaries & Wages							
51102	Personal Services	\$ 879,619	\$ 815,687	\$ 948,126	\$ 998,460	\$ 998,460	\$ 998,460
51106	Seasonal Help	6,596	9,960	6,807	10,956	11,952	12,948
51109	Overtime	73,609	73,500	102,500	87,500	87,500	87,500
51111	Group Insurance	108,072	133,980	132,875	175,191	183,951	193,149
51112	IMRF	118,261	105,986	123,598	152,945	152,945	152,945
51113	FICA	69,719	67,654	80,410	81,106	81,106	81,106
51114	Workers Comp.	12,532	12,532	12,532	12,532	12,532	12,532
51117	Comp. Absences	4,748	0	0	0	0	0
51118	OPEB Obligation	30,202	0	0	0	0	0
	Subtotal	1,303,358	1,219,299	1,406,848	1,518,690	1,528,446	1,538,640
Contractual Services							
52212	Auto M&R	62,271	83,389	66,580	94,946	94,913	97,797
52221	Utility Bill Processg.	50,297	55,000	52,500	55,900	59,400	63,400
52222	Meetings	0	0	0	0	0	0
52223	Training	3,766	7,485	4,400	12,750	8,055	7,655
52224	Vehicle Insurance	8,569	8,569	8,569	8,569	8,569	8,569
52229	Postage	26,769	31,700	32,450	30,850	31,000	29,200
52230	Telephone	5,128	5,784	5,784	5,784	6,065	6,370
52234	Dues & Subscript.	1,755	1,650	1,450	1,540	1,540	1,570
52237	Audit Fees	6,000	5,000	5,000	5,000	5,000	5,000
52238	Legal Fees	5,961	4,000	1,500	4,000	4,000	4,000
52240	Public Notices	0	500	500	500	500	500
52244	Maint. and Repair	379,580	82,100	82,100	385,600	338,725	320,850
52253	Consultant	132,216	135,900	121,500	207,560	120,060	82,060
52255	Software Maint.	22,623	41,500	18,800	30,600	22,100	22,800
52261	Liability Insurance	22,344	22,344	22,344	22,344	22,344	22,344
52263	Property Insurance	20,625	20,625	20,625	20,625	20,625	20,625
52264	Equipment Rental	567	1,000	1,000	1,000	1,000	1,000
52265	Hauling	3,951	6,500	8,500	7,000	7,000	7,000
52272	Property Maint.	1,167	1,465	1,164	1,179	1,300	1,433
52274	Community Pgms.	258	750	750	750	750	750
52279	Lab Services	14,084	16,485	16,485	12,780	8,600	8,600
52280	Municipal Svc. Chg.	237,500	207,500	207,500	199,500	196,000	189,500
52282	Meter Maintenance	15,533	25,750	23,000	23,500	24,500	24,500
52283	DuPage Water Com.	6,396,864	6,024,000	5,645,000	5,715,000	5,830,000	5,945,000
52284	Equipment Maint.	174	1,000	200	500	500	500
52286	Pavement Restor.	3,111	5,000	17,000	6,000	6,000	6,000
	Subtotal	7,421,113	6,794,996	6,364,701	6,853,777	6,818,546	6,877,023

WATER AND SEWER FUND**PUBLIC WORKS****Water Division – Summary Detail****EXPENSE**

Acct.#	Description	Actual FY 18/19	Revised Budget FY 19/20	Estimated Expenditures FY 19/20	Proposed Budget FY 20/21	Projected FY 21/22	Projected FY 22/23
Commodities							
53210	Electricity	64,695	71,000	60,000	70,000	70,000	70,000
53230	Natural Gas	959	900	900	900	900	900
53312	PWC Diesel Fuel	0	0	0	2,510	2,635	2,770
53313	Auto Gas	31,748	26,483	24,558	28,340	29,757	31,245
53314	Office Supplies	1,538	1,250	1,250	2,625	1,250	1,250
53315	Printed Materials	189	700	500	450	400	350
53316	Small Tools	1,602	2,000	2,000	9,700	8,200	2,450
53317	Operating Supplies	60,528	54,750	54,750	61,125	62,825	61,625
53220	Water	10,531	12,000	10,000	11,000	11,000	11,000
53324	Uniforms	3,350	4,230	4,230	6,345	5,145	5,145
53331	Chemicals	1,334	3,300	3,300	3,300	3,300	3,300
53333	Meters	461,612	424,500	429,500	422,000	392,000	97,000
53350	Small Equipment	17,319	5,300	5,300	15,450	13,950	6,450
	Subtotal	655,405	606,413	596,288	633,745	601,362	293,485
Capital /Debt							
54415	Vehicles	30,019	165,000	165,000	107,000	0	0
54480	Construction	20,793	3,078,000	400,000	3,355,000	55,000	0
56490	Loan Princ. (DWC)	49,044	49,044	49,044	49,044	49,044	49,044
56491	Loan Int. (DWC)	7,193	6,866	6,866	5,885	4,904	3,924
	Subtotal	107,049	3,298,910	620,910	3,516,929	108,948	52,968
Interfund Transfers							
58500	Equip Repl Fund	0	0	0	86,859	71,234	66,134
	Totals	\$ 9,486,925	\$ 11,919,618	\$ 8,988,747	\$ 12,610,000	\$ 9,128,536	\$ 8,828,250

NARRATIVE

The Administration Program is supported by a variety of staff responsible for purchasing supplies, services and equipment, management of water system capital projects, employee performance evaluation, system performance data collection and reporting, compliance with water sampling and reporting requirements and meter repair and replacement.

FY19/20 ACCOMPLISHMENTS

1. Continued the IEPA-mandated assessment of properties where lead service lines may exist by virtue of their age. This portion of the assessment included: examination of building plans, subdivision records and physical inspection of properties during any access to customer structures by employees during the course of meter or AMR work. In the past year, staff inspected and confirmed no lead service lines are in place at 545 locations. In total, 9,777 of the 11,104 water services have been reported as not being lead since the assessment began.
2. Staff from multiple departments continued work to identify potential sources of water loss, focusing primarily on large meters and customers with low or no recorded usage. To date, the joint efforts of the Water Recovery Task Force have identified the sources of loss of over 40 million gallons of water (over multiple years).

FY20/21 OBJECTIVES

1. Continue the IEPA-mandated assessment of properties where lead service lines may exist by virtue of their age. This assessment focuses primarily on physical inspection of pipes during employee servicing of meters or AMR's, as well as any service lines exposed during maintenance and repair projects. Data collected will be provided to the IEPA in a required report due in April of each year.
2. Conduct a water system model update study to identify potential need for future improvements, identify potential water pressure and water quality areas and identify best locations for installation of chlorine boosting equipment.
3. Continue efforts to identify potential sources of water loss focusing primarily on an examination of processes and procedures in the construction and testing of new water mains and the construction of new buildings. Staff will also implement a residential meter testing program to compliment the large-meter testing program already in place.
4. Contract with a firm specializing in development of electric safety programs to include review of current practices, regulatory requirements and delivery of a written safety program, training and related Job Safety Analysis.

Administration Expenditures (04200100)

Acct. #/Description	Actual FY 18/19	Revised Budget FY 19/20	Estimated Expenditures FY 19/20	Proposed Budget FY 20/21	Projected FY 21/22	Projected FY 22/23
Salaries & Wages						
51102 Personal Services	\$ 323,116	\$ 299,502	\$ 336,981	\$ 355,328	\$ 355,328	\$ 355,328
51109 Overtime	20,074	20,000	24,000	23,000	23,000	23,000
51111 Group Insurance	43,322	49,881	50,038	63,157	66,315	69,631
51112 IMRF	40,475	37,648	40,928	53,526	53,526	53,526
51113 FICA	24,823	23,884	27,878	28,292	28,292	28,292
51114 Workers Comp.	3,810	3,810	3,810	3,810	3,810	3,810
51117 Compensated Absences	4,748	0	0	0	0	0
51118 OPEB Obligation	30,202	0	0	0	0	0
Subtotal	490,570	434,725	483,635	527,113	530,271	533,587
Contractual Services						
52212 Auto Maint. & Repair	6,227	8,339	6,658	9,495	9,491	9,780
52223 Training	2,602	5,735	3,600	11,170	6,775	6,075
52224 Vehicle Insurance	565	8,569	8,569	8,569	8,569	8,569
52238 Legal Fees	5,961	4,000	1,500	4,000	4,000	4,000
52230 Telephone	5,128	5,784	5,784	5,784	6,065	6,370
52234 Dues & Subscriptions	1,155	1,150	1,150	1,040	1,040	1,070
52240 Public Notices/Information	0	500	500	500	500	500
52253 Consultant	13,900	12,500	11,000	86,760	14,360	14,360
52255 Software Maintenance	10,408	3,500	3,500	2,000	1,000	1,000
52261 Liability Insurance	22,344	22,344	22,344	22,344	22,344	22,344
52263 Property Insurance	20,625	20,625	20,625	20,625	20,625	20,625
52274 Community Service Pgms.	258	750	750	750	750	750
Subtotal	89,173	93,796	85,980	173,037	95,519	95,443
Commodities						
53220 Water	10,531	12,000	10,000	11,000	11,000	11,000
53313 Auto Gas	1,587	1,324	1,228	1,417	1,488	1,562
53314 Office Supplies	1,538	1,250	1,250	2,625	1,250	1,250
53315 Printed Materials	189	700	500	450	400	350
53324 Uniforms	3,350	4,230	4,230	6,345	5,145	5,145
Subtotal	17,195	19,504	17,208	21,837	19,283	19,307
Capital / Debt						
56490 Loan Principal (DWC)	49,044	49,044	49,044	49,044	49,044	49,044
56491 Loan Interest (DWC)	7,193	6,866	6,866	5,885	4,904	3,924
Subtotal	56,237	55,910	55,910	54,929	53,948	52,968
Interfund Transfers						
58500 Equip Repl Fund	0	0	0	86,859	71,234	66,134
Totals	\$ 653,175	\$ 603,935	\$ 642,733	\$ 863,775	\$ 770,255	\$ 767,439

NARRATIVE

This program includes costs to inspect, repair and replace water meters. Accurate and reliable meters are key to ensuring the financial viability of the water system. Loss of water through inaccurate or inoperable meters reduces water sales revenue, which could unnecessarily inflate water rates and limit funds necessary for upkeep of the system infrastructure. There are a variety of meter types and automatic meter reading devices of varying ages throughout the system.

FY19/20 ACCOMPLISHMENTS

1. Conducted testing of 139 large meters to identify any that are under or over recording consumption. Also developed a process in the CarteGraph asset management software to provide staff with scheduling testing, tracking results and estimating budget costs for future years.
2. Continued the multi-year AMR replacement program which resulted in approximately 2,750 AMR scheduled replacements and an additional 274 replaced as a result of other service calls. Since program inception, a total of 4,300 AMR's have been replaced.

FY20/21 OBJECTIVES

1. Conduct testing of 85 two and three-inch water meters and 19 four and six-inch meters to identify any that are under-recording consumption. This is an ongoing program that will test large meters every two to four years depending on size.
2. Replace any large meters identified in testing program that are recording below/above standards.
3. Carry-out year three of the multi-year Automated Meter Reading (AMR) equipment replacement program, with a target of replacing 2,400 AMR's during the year.

WATER AND SEWER FUND**PUBLIC WORKS****Water Division – Water Metering Detail****Water Metering Expenditures (04201400)**

Acct. #/Description	Actual FY 18/19	Revised Budget FY 19/20	Estimated Expenditures FY 19/20	Proposed Budget FY 20/21	Projected FY 21/22	Projected FY 22/23
Salaries & Wages						
51102 Personal Services	\$ 91,435	\$ 59,245	\$ 96,280	\$ 101,522	\$ 101,522	\$ 101,522
51109 Overtime	5,815	3,000	8,000	6,000	6,000	6,000
51111 Group Insurance	8,076	9,877	9,358	18,013	18,914	19,860
51112 IMRF	12,316	7,400	13,905	15,193	15,193	15,193
51113 FICA	7,081	4,695	8,789	8,031	8,031	8,031
51114 Workers Comp.	1,301	1,301	1,301	1,301	1,301	1,301
Subtotal	126,024	85,518	137,633	150,060	150,961	151,907
Contractual Services						
52212 Auto Maint. & Repair	21,795	29,186	23,303	33,231	33,220	34,229
52224 Vehicle Insurance	3,322	0	0	0	0	0
52229 Postage	184	3,200	5,650	3,850	3,000	200
52253 Consultant	42,133	58,000	45,000	48,000	49,000	10,000
52282 Meter Maintenance	15,533	25,750	23,000	23,500	24,500	24,500
Subtotal	82,967	116,136	96,953	108,581	109,720	68,929
Commodities						
53313 Auto Gas	11,112	9,269	8,595	9,919	10,415	10,936
53333 Meters	461,612	424,500	429,500	422,000	392,000	97,000
Subtotal	472,724	433,769	438,095	431,919	402,415	107,936
Totals	\$ 681,715	\$ 635,423	\$ 672,681	\$ 690,560	\$ 663,096	\$ 328,772

NARRATIVE

The Village purchases all of its potable water from the DuPage Water Commission (DWC), whose source is Lake Michigan. This program provides for maintenance and repair of three (3) DWC water pressure adjusting stations, three (3) standby wells, five (5) water storage tanks, one-hundred thirty-eight (138) linear miles of water main, over one-thousand seven-hundred (1,700) fire hydrants, and over fifteen-hundred (1,500) control valves.

FY19/20 ACCOMPLISHMENTS

1. All required sampling was completed on schedule and no reportable violations occurred.
2. All system fire hydrants were flushed and needed repairs were completed within ten weeks.
3. Submitted the required water loss report (LMO-2) and worksheet to the Illinois Department of Natural Resources (IDNR), which demonstrated a significant reduction in non-revenue water as a percentage by volume of water supplied from 18% to 10.5% year-over-year.
4. The twenty-year old water leak truck (#3) was replaced and custom-designed by water and mechanic staff to provide a mobile workshop and equipment transport vehicle to be utilized on underground water leaks.
5. Design and bidding for the Lies Road water tower painting and replacement project was completed in cooperation with an experienced consultant.

FY20/21 OBJECTIVES

1. Complete the painting and minor repairs of the Lies Road water storage tank and prepare specifications and bid documents for painting and minor repairs to the elevated storage tank on Fullerton Avenue (work to be completed in FY22).
2. Complete system-wide leak detection to identify any underground water loss and immediately follow up detection results with any needed repairs.
3. Complete construction of the Schmale Road Water Main Replacement Project, including most of the pipe between Geneva Road and St. Charles Road, and east on St. Charles Road to a point just west of President Street.
4. Purchase an additional one-ton dump truck to support water and sewer daily operations activities. The truck will also be outfitted to support snow and ice removal activities.
5. Install chlorine injection systems in both the Kuhn Road and Gerzevske Lane water pumping stations to meet minimum EPA chlorine residual requirements.
6. Install a mixer/aerator in the Kuhn Road water reservoir to address water stratification in the reservoir and improve water quality.

WATER AND SEWER FUND**PUBLIC WORKS****Water Division - Distribution System Operations & Maintenance Detail****Distribution System Operations & Maintenance Expenditures (04201600)**

Acct. #/Description	Actual FY 18/19	Revised Budget FY 19/20	Estimated Expenditures FY 19/20	Proposed Budget FY 20/21	Projected FY 21/22	Projected FY 22/23
Salaries & Wages						
51102 Personal Services	\$ 357,694	\$ 306,309	\$ 365,865	\$ 385,784	\$ 385,784	\$ 385,784
51106 Seasonal Help	6,596	9,960	6,807	10,956	11,952	12,948
51109 Overtime	47,473	50,000	70,000	58,000	58,000	58,000
51111 Group Insurance	41,665	50,956	48,366	68,542	71,969	75,567
51112 IMRF	51,892	42,486	51,565	62,410	62,410	62,410
51113 FICA	29,970	27,676	33,543	32,988	32,988	32,988
51114 Workers Comp.	7,252	7,252	7,252	7,252	7,252	7,252
Subtotal	542,542	494,639	583,398	625,932	630,355	634,949
Contractual Services						
52212 Auto M & R	34,249	45,864	36,619	52,220	52,202	53,788
52223 Training	1,164	1,750	800	1,580	1,280	1,580
52224 Vehicle Insurance	4,682	0	0	0	0	0
52234 Dues & Subscript.	600	500	300	500	500	500
52244 Maint. and Repair	379,580	82,100	82,100	385,600	338,725	320,850
52253 Consultant	44,381	36,000	36,000	42,000	25,000	25,000
52264 Equipment Rental	567	1,000	1,000	1,000	1,000	1,000
52265 Hauling	3,951	6,500	8,500	7,000	7,000	7,000
52272 Property Maint.	1,167	1,465	1,164	1,179	1,300	1,433
52279 Lab Services	14,084	16,485	16,485	12,780	8,600	8,600
52283 DuPage Water Com.	6,396,864	6,024,000	5,645,000	5,715,000	5,830,000	5,945,000
52284 Equipment Maint.	174	1,000	200	500	500	500
52286 Pavement Restor.	3,111	5,000	17,000	6,000	6,000	6,000
Subtotal	6,884,574	6,221,664	5,845,168	6,225,359	6,272,107	6,371,251
Commodities						
53210 Electricity	64,695	71,000	60,000	70,000	70,000	70,000
53230 Natural Gas	959	900	900	900	900	900
53312 PWC Diesel Fuel	0	0	0	2,510	2,635	2,770
53313 Auto Gas	19,049	15,890	14,735	17,004	17,854	18,747
53316 Small Tools	1,602	2,000	2,000	9,700	8,200	2,450
53317 Operating Supplies	60,528	54,750	54,750	61,125	62,825	61,625
53331 Chemicals	1,334	3,300	3,300	3,300	3,300	3,300
53350 Small Equipment	17,319	5,300	5,300	15,450	13,950	6,450
Subtotal	165,486	153,140	140,985	179,989	179,664	166,242
Capital Outlay						
54412 Other Equipment	0	0	0	0	0	0
54415 Vehicles	30,019	165,000	165,000	107,000	0	0
54480 Construction	20,793	3,078,000	400,000	3,355,000	55,000	0
Subtotal	50,812	3,243,000	565,000	3,462,000	55,000	0
Totals	\$ 7,643,414	\$ 10,112,443	\$ 7,134,551	\$ 10,493,280	\$ 7,137,126	\$ 7,172,442

NARRATIVE

The Utility Billing program for the combined water and sewer system is a function of the Financial Management Department. Approximately 10,000 residential and 1,000 multi-family, commercial and industrial water and sewer accounts are billed on a monthly basis. The Financial Management Department is also responsible for addressing all customer questions and concerns in regard to utility accounts, as well as all recordkeeping for payments received, receivables, late notices and shut-offs for non-payment. The Financial Management Department's operating costs for the utility billing function are charged directly to the Water and Sewer Fund.

FY19/20 ACCOMPLISHMENTS

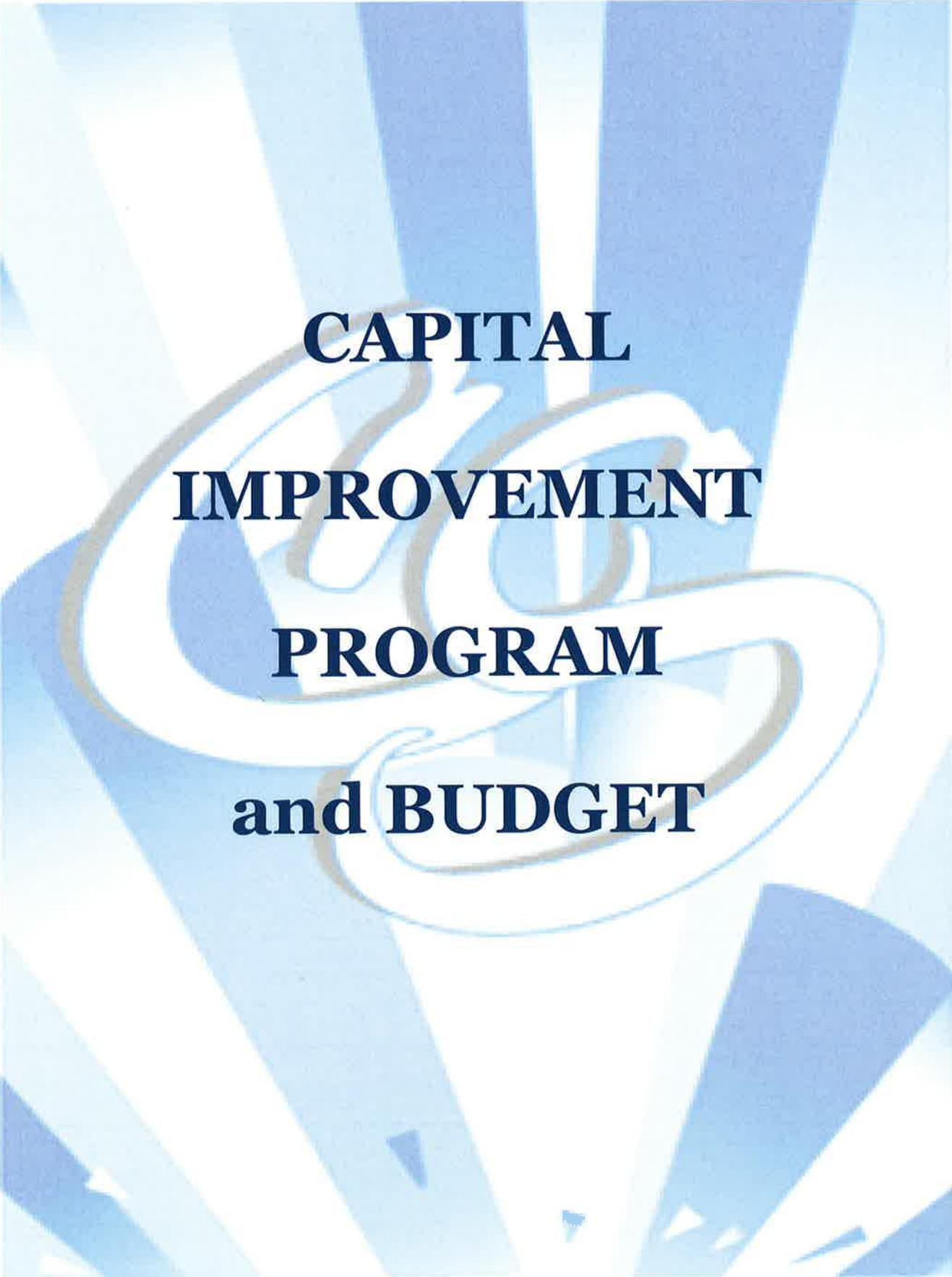
1. Continued coordination with the Public Works Department in the multi-year AMR (Automated Meter Reading) Replacement Program which began in August 2018.
2. Implemented a number of water bill format programming changes that improved information provided to customers including the addition of historical monthly consumption values.

FY20/21 OBJECTIVES

1. As the AMR replacement program nears completion in the next few years, begin the planning process to implement a fixed base network where meter readings can be collected on-demand, from equipment mounted on water towers, eliminating the less efficient drive-by meter reading collection application.

Utility Billing Expenditures (04203100)

Acct. #/Description	Actual FY 18/19	Revised Budget FY 19/20	Estimated Expenditures FY 19/20	Proposed Budget FY 20/21	Projected FY 21/22	Projected FY 22/23
Salaries & Wages						
51102 Personal Services	\$ 107,374	\$ 150,631	\$ 149,000	\$ 155,826	\$ 155,826	\$ 155,826
51109 Overtime	247	500	500	500	500	500
51111 Group Insurance	15,009	23,266	25,113	25,479	26,753	28,091
51112 IMRF	13,578	18,452	17,200	21,816	21,816	21,816
51113 FICA	7,845	11,399	10,200	11,795	11,795	11,795
51114 Workers Comp.	169	169	169	169	169	169
Subtotal	144,222	204,417	202,182	215,585	216,859	218,197
Contractual Services						
52221 Utility Bill Processing	50,297	55,000	52,500	55,900	59,400	63,400
52229 Postage	26,585	28,500	26,800	27,000	28,000	29,000
52237 Audit Fees	6,000	5,000	5,000	5,000	5,000	5,000
52253 Consultant	31,802	29,400	29,500	30,800	31,700	32,700
52255 Software Maintenance	12,215	38,000	15,300	28,600	21,100	21,800
52280 Municipal Service Charge	237,500	207,500	207,500	199,500	196,000	189,500
Subtotal	364,399	363,400	336,600	346,800	341,200	341,400
Totals	\$ 508,621	\$ 567,817	\$ 538,782	\$ 562,385	\$ 558,059	\$ 559,597



**CAPITAL
IMPROVEMENT
PROGRAM
and BUDGET**

Village of Carol Stream

CAPITAL PROJECTS FUND

Detail

Acct. # / Description	Actual FY 18/19	Revised Budget FY 19/20	Estimated FY 19/20	Proposed Budget FY 20/21	Projected FY 21/22	Projected FY 22/23
Revenues						
41202 Electricity Use Tax	0	0	0	\$ 1,870,000	\$ 1,870,000	\$ 1,870,000
41208 Real Estate Transfer Tax	0	0	0	750,000	750,000	750,000
41210 Telecommunications Tax	0	0	0	627,000	533,000	453,000
41250 Local Motor Fuel Tax	815,643	950,000	875,000	890,000	925,000	925,000
43640 Capital Grants						
W. Branch Trail	24,275	0	0	0	0	0
Kuhn Road Trail	817	0	0	0	0	0
Kehoe Ditch - Section I	0	0	0	85,000	0	0
Klein Creek - Section I	0	0	0	0	0	1,000,000
Southeast Bike Path Ext.	0	356,000	0	380,000	0	0
Bloomingdale Trail	0	75,000	0	85,000	0	0
Lies Rd. Bike Path	5,803	72,000	0	89,000	0	0
44309 Fee in Lieu of BMP	0	0	36,958	0	0	0
46501 Investment Income	209,415	180,000	218,000	110,000	110,000	85,000
47601 Developer Contrib.						
Morton Road Donation	128,017	0	0	0	0	0
W. Branch Trail	3,034	111,000	0	0	0	0
Gary Ave Path	0	40,000	0	0	0	0
DPC - Lies Rd LAFO	5,837	0	3,327	0	0	0
DPC - Park Basin Retrofit		0	6,528	0	0	0
Fair Oaks Retaining Wall	0	0	34,000	0	0	0
Clearwater Storm Rehab.	0	99,000	0	0	0	0
Park District - TC	0	70,000	0	70,000	0	0
47407 Misc. Revenue	0	0	0	0	75,000	0
49330 Tfrs. From Gen. Fund	0	0	0	0	0	0
Total Revenue	\$ 1,192,841	\$ 1,953,000	\$ 1,173,813	\$ 4,956,000	\$ 4,263,000	\$ 5,083,000
Expenditures (11740000)						
Contractual Services						
52238 Legal Fees	5,732	1,000	1,000	1,000	1,000	1,000
Capital Outlay						
55486 Roadway System	2,434,232	2,400,000	1,000,000	1,745,000	3,099,000	5,490,000
55487 Village Facilities	95,129	150,000	200,630	300,000	1,000,000	400,000
55488 Stormwater System	159,631	904,000	250,000	1,316,000	1,582,000	2,280,000
55490 Village Hall Renovation	4,912,983	0	0	0	0	0
Total Expenses	\$ 7,607,707	\$ 3,455,000	\$ 1,451,630	\$ 3,362,000	\$ 5,682,000	\$ 8,171,000
Transfer From General Fund	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Net Increase / (Decrease)	\$ (6,414,866)	\$ (1,502,000)	\$ (277,817)	\$ 1,594,000	\$ (1,419,000)	\$ (3,088,000)
Projected Year End Balance	\$ 7,261,292		\$ 6,983,475	\$ 8,577,475	\$ 7,158,475	\$ 4,070,475

Village of Carol Stream
Capital Improvement Program - Project Summary

<u>CIP Projects By Fund (\$000)</u>	<u>FY19/20</u>	<u>FY20/21</u>	<u>FY21/22</u>	<u>FY22/23</u>
	<u>Budget</u>	<u>Planned</u>	<u>Planned</u>	<u>Planned</u>
<u>Roadway System:</u>				
Pavement Preventative Maintenance Program	\$ 564	\$ 590	\$ 617	\$ 647
Flexible Pavement Program	-	-	-	2,620
Lies Rd. LAFO - County Farm to High Ridge Pass	-	-	510	-
Kuhn Rd. LAFO - Lies Rd. to Army Trail Rd.	-	-	-	800
Lies Rd. Rehabilitation - High Ridge Pass to Fair Oaks*	121	-	-	-
Lies Rd. Rehabilitation - Schmale to Gary*	639	46	-	-
Morton Rd. Reconstruction - St. Charles to North Ave.	34	-	34	380
Old Gary Ave. Reconstruction	-	-	-	77
Fair Oaks Rd. Culvert and Guard Rail	-	100	400	-
West Branch DuPage River Trail*	142	65	-	-
Carol Stream - Bloomingdale Trail Improvements*	112	-	-	-
Kuhn Rd. Bike Path Extension	-	112	206	-
Lies Rd. Bike Path Extension*	90	90	299	-
Southeast Bike Path*	608	506	608	916
Gary Ave. Multi-Use Path*	40	-	-	-
Town Center and President St. Parking Lots	-	186	-	-
Streetlight Replacement Program*	50	50	425	50
Roadway System Subtotal:	\$ 2,400	\$ 1,745	\$ 3,099	\$ 5,490
<u>Stormwater Utilities:</u>				
Roadway Drainage Improvements	\$ 225	\$ 225	\$ 225	\$ 225
Tubeway & Westgate Stormwater Study	50	-	-	-
Southeast Stormwater Study	120	120	-	-
Kehoe Blvd. Section I Stream Bank Stabilization*	47	415	5	5
Klein Creek Section I Stream Bank Stabilization*	-	100	1,100	2,000
Klein Creek Section II Stream Bank Stabilization	-	50	100	-
Klein & Thunderbird Stream Assessments	15	-	-	-
Fullerton/Kimberly Drainage Study	-	120	-	-
The Park Unit 1 Detention Basin Retrofit - Naturalization	5	2	2	-
Public Detention Basin Rehabilitations	-	50	150	50
Clearwater Ct. Storm Sewer Rehabilitation	442	234	-	-
Stormwater Utilities Subtotal:	\$ 904	\$ 1,316	\$ 1,582	\$ 2,280
<u>Facilities:</u>				
Town Center Lighting	\$ -	\$ 300	\$ -	\$ -
PWC Fuel Island Removal	150	-	-	-
PWC Facility Improvement	-	-	1,000	-
PWC Water/Sewer/Mechanic Rood Replacement	-	-	-	400
Facilities Subtotal:	\$ 150	\$ 300	\$ 1,000	\$ 400
Total Expenditures:	\$ 3,454	\$ 3,361	\$ 5,681	\$ 8,170

*Partially funded though outside sources.

2020/21 Flexible Pavement Program - List of Streets

Street Resurfacing

Alabama Trail – Idaho Street to End	Alamo Court – Dearborn Circle to End
Allegro Lane – Hoover Drive to Daybreak Lane	Antelope Trail – Idaho Street to End
Ash Court – Big Horn Trail to End	Boone Drive – Elk Trail to Dearborn Circle
Bowie Drive – Dearborn Circle to Lies Road	Camelot Lane – Hoover Drive to Daybreak Lane
Carson Court – Dearborn Circle to End	Chatham Dr. – Provincetown Dr. to Chatham Dr.
Clearwater Court – Idaho Street to End	Cliff Court – Canyon Trail to End
Dancing Water Court – Idaho Street to End	Daybreak Lane – Elk Trail to Hoover Drive
Dearborn Circle – Idaho Street to Idaho Street	Dodge Court – Dearborn Circle to End
Dorchester Drive – Lies Road to County Farm Road	Eclipse Drive – Hoover Drive to Daybreak Lane
Feather Court – Kansas Street to End	Fountain View Drive – Lies Road to Goldenhill Street
Goldenhill Street – Old Gary Avenue to Trevi Drive	Hampton Drive – Provincetown Drive to End
Harvard Court – Oxford Street to End	Hover Drive – Elk Trail to Daybreak Lane
Hopi Court – Elk Trail to End	Huron Court Elk Trail to End
Ironhawk Court – Elk Trail to End	Juniper Court – Elk Trail to End
Kansas Street – End to End	Longmeadow Court – Birchbark Trail End
Longmeadow Drive –Provincetown Dr. to Birchbark Tr.	Maple Ridge Court – Fair Oaks Road to End
Oriole Trail – Spring Valley Drive to Robin Drive	Oxford Street – Big Horn Trail to Fair Oaks Road
Peoria Court – Topeka Court to End	Pheasant Trail – Spring Valley Dr. to Spring Valley Dr.
Plains Court – Topeka Court to End	Plum Grove Court – Fair Oaks Road to End
President Street – Geneva Road to End	Princeton Court – Hampton Drive to End
Provincetown Drive – Dorchester Dr. to Tamarac Dr.	Robin Drive – Spring Valley Drive to Spring Valley Drive
Staffsbury Street – Trevi Drive to Fountain View Drive	Somerset Court – Dorchester Drive to End
Somerset Drive – Dorchester Drive to Dorchester Drive	Teton Circle – Munson Drive to Topeka Court
Tioga Court – Canyon Trail to End	Trevi Drive – Goldenhill Street to Shaftsbury Street
Vale Road – County Farm Road to Village Limit	

Pavement Reconstruction

Birchbark Trail – Kuhn Road to County Farm Road	Lakeside Lane – Countryside Lane to End
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Parking Lot Redurfacing

Town Center Parking Lot	President Street Parking Lot
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Village of Carol Stream

MOTOR FUEL TAX FUND

Detail

Acct # / Description	Actual FY 18/19	Revised Budget FY 19/20	Estimated FY 19/20	Proposed Budget FY 20/21	Projected FY 21/22	Projected FY 22/23
Revenue						
43207 MFT Allotments	\$ 1,008,048	\$ 1,010,000	\$ 1,002,000	\$ 987,000	\$ 980,000	\$ 970,000
43207 Transport. Renewal Fund	0	0	515,000	670,000	670,000	670,000
46501 Interest Income	79,322	50,000	77,000	50,000	50,000	50,000
47601 Contribution	0	0	0	0	0	0
Subtotal	1,087,370	1,060,000	1,594,000	1,707,000	1,700,000	1,690,000
Total Revenues	\$ 1,087,370	\$ 1,060,000	\$ 1,594,000	\$ 1,707,000	\$ 1,700,000	\$ 1,690,000
Expenditures (06320000)						
Contractual Services						
52211 Crack Filling	93,450	123,000	75,658	100,000	100,000	100,000
Subtotal	93,450	123,000	75,658	100,000	100,000	100,000
Capital Outlay						
54470 Flexible Pavemt. Pgm.	0	2,200,000	1,900,000	3,255,000	2,500,000	0
Subtotal	0	2,200,000	1,900,000	3,255,000	2,500,000	0
Total Expenditures	\$ 93,450	\$ 2,323,000	\$ 1,975,658	\$ 3,355,000	\$ 2,600,000	\$ 100,000
Net Increase / (Decrease)	993,920	(1,263,000)	(381,658)	(1,648,000)	(900,000)	1,590,000
Projected Year End Balance	\$ 4,077,324		\$ 3,695,666	\$ 2,047,666	\$ 1,147,666	\$ 2,737,666

SPECIAL FUNDS

- ~~Police Pension Fund~~
- ~~Tax Increment Financing District 3
(North Avenue / Schmale Road)~~
- **Equipment Replacement Fund**
- **State Asset Seizure Fund**
- **Federal Asset Seizure Fund**

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) 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.

EQUIPMENT REPLACEMENT FUND

The Equipment Replacement Fund was established in FY20/21 as a means of funding the replacement of Village fleet vehicles and large equipment. Funds are contributed by user departments within the General and Water and Sewer Funds each year to finance a portion of each vehicle's estimated future replacement cost over its projected service life. This method of funding will ensure availability of funds when vehicles require replacement and is a lower cost alternative to funding through capital lease financing.

STATE ASSET SEIZURE FUND FEDERAL ASSET SEIZURE FUND

The Village periodically receives forfeited assets through the Police Department's participation in various State and Federal cases. The proceeds of these forfeitures are to be allocated exclusively for authorized law enforcement purposes in compliance with State and Federal regulations.

Village of Carol Stream

EQUIPMENT REPLACEMENT FUND

Acct. # / Description	Actual FY 18/19	Revised Budget FY 19/20	Estimated FY 19/20	Proposed Budget FY 20/21	Projected FY 21/22	Projected FY 22/23
Revenues (10000000)						
Interfund Transfers						
<u>General Fund</u>						
49462 Engineering Services	\$ -	\$ -	\$ -	\$ 7,206	\$ 7,206	\$ 5,473
49464 Community Developmen	-	-	-	6,203	6,203	6,203
49466 Police	-	-	-	114,275	95,991	54,852
49467 Public Works	-	-	-	304,283	291,541	264,541
49468 Municipal Building	-	-	-	1,500	-	-
<u>Water & Sewer Fund</u>						
49460 Sewer Division	-	-	-	33,637	33,637	31,137
49461 Water Division	-	-	-	86,859	71,234	66,134
47407 Miscellaneous Revenue	-	-	-	-	-	-
	-	-	-	553,963	505,812	428,340
Expenditures (45415)						
Vehicles / Equipment						
<u>General Fund - 54415</u>						
10620000 Engineering Services	-	-	-	-	-	26,001
10640000 Community Developmen	-	-	-	-	-	-
10660000 Police	-	-	-	320,000	128,000	288,000
10670000 Public Works	-	-	-	300,100	160,000	370,000
10680000 Municipal Building	-	-	-	-	22,500	-
<u>Water & Sewer Fund - 54415</u>						
10100000 Sewer Division	-	-	-	-	-	50,000
10200000 Water Division	-	-	-	-	268,000	51,000
	\$ 0	\$ 0	\$ 0	\$ 620,100	\$ 578,500	\$ 785,001
Net Increase / (Decrease)				\$ (66,137)	\$ (72,688)	\$ (356,661)
Transfer From General Fund			\$ 3,074,857			
Transfer From Water & Sewer Fund			904,725			
Total			<u>3,979,582</u>			
Projected Year End Reserve			\$ 3,979,582	\$ 3,913,445	\$ 3,840,757	\$ 3,484,096

**Village of Carol Stream
Equipment Replacement Fund
May 1, 2020**

Dept	Description	Equip #	FY Purch	Est. Life	Sched. FY Replace	Original Cost	Depr. Factor	Est. Replacement Cost	Annual Contrib.	FY20 Contrib. to Date	Remaining Contrib.	FY21	FY22	FY23	FY24	FY25	FY26-FY40	
GENERAL FUND																		
ENG	Ford F150	304	2008	15	2023	16,689	3%	26,001	1,733	22,535	3,466	1,733	1,733	REPLACE				
ENG	Ford Focus	301	2009	15	2024	13,293	3%	20,710	1,381	16,567	4,143	1,381	1,381	1,381				
ENG	Ford Ranger	307	2009	15	2024	15,991	3%	24,913	1,661	19,930	4,983	1,661	1,661	1,661				
ENG	Ford F150	303	2014	15	2029	23,000	3%	35,833	2,389	16,386	19,447	2,431	2,431	2,431	2,431	2,431	7,293	
ENG	Ford Focus	302	2014	15	N/A	16,696						Fleet Reduction - Future Step Down Vehicle						
												7,206	7,206	5,473	2,431	2,431	7,293	
CD	Ford Transit Connect	202	2016	12	2028	17,263	3%	24,613	2,051	10,256	14,357	2,051	2,051	2,051	2,051	2,051	4,102	
CD	Ford F150	203	2016	15	2031	19,990	3%	31,144	2,076	10,384	20,760	2,076	2,076	2,076	2,076	2,076	10,380	
CD	Ford F150	204	2016	15	2031	19,990	3%	31,144	2,076	10,384	20,760	2,076	2,076	2,076	2,076	2,076	10,380	
CD	Tahoe	205	2011	12	N/A	26,480						Step Down Vehicle						
												6,203	6,203	6,203	6,203	6,203	24,862	
IT	Blue Dodge Caravan	102	2006	12	N/A	19,380						Step Down Vehicle						
PD	Black Explorer	672	2007	7	2021	21,897		32,000	4,571	32,000	-	REPLACE						
PD	CST Ram Truck	627	2012	7	2021	22,922		32,000	4,571	32,000	-	REPLACE						
PD	Ford Explorer	637	2013	7	2021	25,346		32,000	4,571	32,000	-	REPLACE						
PD	Squad - Charger	634	2013	7	2021	24,600		32,000	4,571	32,000	-	REPLACE						
PD	Squad - Charger	636	2013	7	2021	24,600		32,000	4,571	32,000	-	REPLACE						
PD	Ford Explorer	639	2013	7	2021	25,346		32,000	4,571	32,000	-	REPLACE						
PD	Squad - Charger	635	2013	7	2021	24,600		32,000	4,571	32,000	-	REPLACE						
PD	Squad - Charger	646	2014	7	2021	26,330		32,000	4,571	32,000	-	REPLACE						
PD	Squad - Charger	647	2014	7	2021	26,330		32,000	4,571	32,000	-	REPLACE						
PD	Squad - Charger	648	2014	7	2021	26,330		32,000	4,571	32,000	-	REPLACE						
PD	Avalanche	607	2008	10	2021	-						Asset Seizure Fund						
PD	Ford Explorer	685	2013	7	2022	25,022		32,000	4,571	27,429	4,571	4,571	REPLACE					
PD	Kia Optima	608	2013	7	2022	-		32,000	4,571	27,429	4,571	4,571	REPLACE					
PD	Squad - Durango	643	2014	7	2022	30,407		32,000	4,571	27,429	4,571	4,571	REPLACE					
PD	Squad - Durango	644	2014	7	2022	30,407		32,000	4,571	27,429	4,571	4,571	REPLACE					
PD	Black Caravan	628	2012	11	2023	26,034		32,000	4,571	22,858	9,142	4,571	4,571	REPLACE				
PD	Grand Cherokee	632	2013	10	2023	-		32,000	4,571	22,858	9,142	4,571	4,571	REPLACE				
PD	Ram Truck	629	2013	10	2023	23,309		32,000	4,571	22,858	9,142	4,571	4,571	REPLACE				
PD	Black Explorer	640	2014	9	2023	21,897		32,000	4,571	22,858	9,142	4,571	4,571	REPLACE				
PD	Deputy Chief Durango	645	2014	9	2023	30,407		32,000	4,571	22,858	9,142	4,571	4,571	REPLACE				
PD	Squad - Durango	653	2016	7	2023	31,382		32,000	4,571	22,858	9,142	4,571	4,571	REPLACE				
PD	Squad - Charger	674	2017	6	2023	24,600		32,000	4,571	22,858	9,142	4,571	4,571	REPLACE				
PD	Squad - Charger	675	2017	6	2023	24,600		32,000	4,571	22,858	9,142	4,571	4,571	REPLACE				
PD	Squad - Durango	680	2018	5	2023	30,722		32,000	4,571	22,858	9,142	4,571	4,571	REPLACE				
PD	Black Charger SOU	660	2013	11	2024	25,022		32,000	4,571	18,287	13,713	4,571	4,571	4,571	REPLACE			
PD	Nissan Pathfinder	631	2013	7	2024	-		32,000	4,571	18,287	13,713	4,571	4,571	4,571	REPLACE			
PD	Ram Truck	641	2014	10	2024	22,482		32,000	4,571	18,287	13,713	4,571	4,571	4,571	REPLACE			
PD	Squad - Durango	652	2016	8	2024	31,382		32,000	4,571	18,287	13,713	4,571	4,571	4,571	REPLACE			
PD	Squad - Charger	676	2017	7	2024	25,022		32,000	4,571	18,287	13,713	4,571	4,571	4,571	REPLACE			
PD	Squad - Durango	670	2017	7	2024	30,722		32,000	4,571	18,287	13,713	4,571	4,571	4,571	REPLACE			
PD	Squad - Durango	671	2017	7	2024	30,722		32,000	4,571	18,287	13,713	4,571	4,571	4,571	REPLACE			

**Village of Carol Stream
Equipment Replacement Fund
May 1, 2020**

Dept	Description	Equip #	FY Purch	Est. Life	Sched. FY Replace	Original Cost	Depr. Factor	Est.	FY20	Remaining Contrib.	FY21	FY22	FY23	FY24	FY25	FY26-FY40	
								Replacement Cost	Annual Contrib.								to Date
PD	Chief's Durango	681	2018	6	2024	25,800		32,000	4,571	18,287	13,713	4,571	4,571	4,571	REPLACE		
PD	D.C. Charger	673	2017	8	2025	26,000		32,000	4,571	13,716	18,284	4,571	4,571	4,571	4,571	REPLACE	
PD	White Charger	682	2018	7	2025	23,097		32,000	4,571	13,716	18,284	4,571	4,571	4,571	4,571	REPLACE	
PD	Squad - Charger	691	2019	7	2026	24,847		32,000	4,571	9,145	22,855	4,571	4,571	4,571	4,571	4,571	
PD	Squad - Durango K-9	693	2019	7	2026	28,747											
PD	Black Caravan	651	2015	12	2027	26,034		32,000	4,571	4,574	27,426	4,571	4,571	4,571	4,571	4,571	
Asset Seizure Fund											4,571	4,571	4,571	4,571	4,571	4,571	4,571
											114,275	95,991	54,852	18,284	9,142	4,571	
PW	Interntl Single Axle Dump Truck	73	2003	20	2021	72,834		80,000	4,000	80,000	-	REHAB					
PW	Interntl Single Axle Dump Truck	78	2004	20	2021	74,199		80,000	4,000	80,000	-	REHAB					
PW	Ford F350 w/plow	35	2008	12	2021	27,754		54,000	4,500	54,000	-	REPLACE					
PW	Ford F350 w/plow	42	2008	10	2021	29,904		49,100	4,910	49,100	-	REPLACE					
PW	John Deere Zero Turn Mower	595	2008	8	2021	11,487		18,500	2,313	18,500	-	REPLACE					
PW	John Deere Zero Turn Mower	598	2010	8	2021	12,545		18,500	2,313	18,500	-	REPLACE					
PW	Sign Truck	77	2001	20	2022	40,354		57,500	2,875	54,625	2,875	2,875	REPLACE	Fleet Reduction - 50% to W&S combo unit #15			
PW	Ford F350 (Concrete Truck)	43	2003	18	2022	35,506		48,000	2,667	45,333	2,667	2,667	REPLACE				
PW	Interntl Single Axle Dump Truck	82	2006	20	2022	91,815		80,000	4,000	76,000	4,000	4,000	REHAB				
PW	Supertdt Vehicle - Ford Escape	30	2012	10	2022	21,912		32,000	3,200	28,800	3,200	3,200	REPLACE				
PW	Streets Backhoe	26	2000	25	2023	76,900		100,000	4,000	92,000	8,000	4,000	4,000	REPLACE			
PW	Interntl Single Axle Dump Truck	79	2006	20	2023	82,498		80,000	4,000	72,000	8,000	4,000	4,000	REHAB			
PW	Ford F350 w/plow	52	2012	10	2023	30,154		46,000	4,600	36,800	9,200	4,600	4,600	REPLACE			
PW	Ford F350 w/plow	53	2012	10	2023	30,154		46,000	4,600	36,800	9,200	4,600	4,600	REPLACE			
PW	Quad Cab Ford F350	61	2012	10	2023	33,139		49,000	4,900	39,200	9,800	4,900	4,900	REPLACE			
PW	Quad Cab Ford F350	62	2012	10	2023	33,414		49,000	4,900	39,200	9,800	4,900	4,900	REPLACE			
PW	Loader	80	2003	20	2024	80,200		205,000	10,250	174,250	30,750	10,250	10,250	10,250			
PW	Kubota Zero Turn Mower	579	2012	8	2024	12,551		20,180	2,523	12,611	7,569	2,523	2,523	2,523			
PW	Dixie Chopper Mower	592	2014	8	2024	10,885	3%	19,000	2,375	11,875	7,125	2,375	2,375	2,375			
PW	Interntl Single Axle Dump Truck	72	2002	20	2025	71,672		220,000	22,000	132,000	88,000	22,000	22,000	22,000	22,000		
PW	Skid Steer	81	2005	20	2025	17,416		56,000	2,800	44,800	11,200	2,800	2,800	2,800	2,800		
PW	Interntl Single Axle Dump Truck	83	2010	20	2025	122,097		93,000	4,650	74,400	18,600	4,650	4,650	4,650	4,650		
PW	Ford F250 w/plow	31	2015	10	2025	31,464		47,250	4,725	28,350	18,900	4,725	4,725	4,725	4,725		
PW	Mowing Tractor	49	1998	20	2026	18,540		58,000	2,900	43,500	14,500	2,900	2,900	2,900	2,900	2,900	
PW	Loader	70	2001	20	2026	99,950		224,000	11,200	168,000	56,000	11,200	11,200	11,200	11,200		
PW	Interntl Single Axle Dump Truck	71	2001	20	2026	71,672		227,000	22,700	113,500	113,500	22,700	22,700	22,700	22,700		
PW	Mowing Tractor	584	2001	25	2026	17,082											
PW	Street Sweeper	45	2006	20	2026	138,380											
PW	1 ton dump	46	2012	15	2027	60,663		135,000	9,000	81,000	54,000	9,000	9,000	9,000	9,000	9,000	
PW	Kubota RTV500	589	2015	12	2027	8,985	3%	12,810	1,068	6,402	6,408	1,068	1,068	1,068	1,068	1,068	
PW	Kubota RTV500	593	2015	12	2027	8,985	3%	12,810	1,068	6,402	6,408	1,068	1,068	1,068	1,068	1,068	
PW	Exmark Zero Turn Mower	596	2019	8	2027	18,026	3%	22,835	2,854	5,709	17,126	2,854	2,854	2,854	2,854	2,854	
PW	Toro Wide Area Mower	502	2013	15	2028	49,772	3%	77,543	5,170	41,356	36,187	5,170	5,170	5,170	5,170	10,339	
PW	John Deere Zero Turn Mower	594	2020	8	2028	17,929	3%	22,712	3,245	0	22,712	3,245	3,245	3,245	3,245	6,487	
PW	Interntl Single Axle Dump Truck	74	2003	20	2029	72,834		248,000	24,800	49,600	198,400	24,800	24,800	24,800	24,800	24,800	
PW	1 ton dump	50	2008	15	2029	64,411		144,000	14,400	28,800	115,200	14,400	14,400	14,400	14,400	43,200	
PW	Interntl Single Axle Dump Truck	75	2006	20	2030	91,815		255,000	28,300	-	255,000	28,300	28,300	28,300	28,300	113,500	
PW	International Tandem Axle	41	2003	20	2031	84,876	3%	282,000	28,200	-	282,000	28,200	28,200	28,200	28,200	141,000	
PW	1 ton dump	47	2016	15	2031	91,467		148,000	9,867	49,330	98,670	9,867	9,867	9,867	9,867	49,335	
PW	Kubota RTV1100X	599	2017	15	2032	28,369	3%	44,198	2,947	11,786	32,412	2,947	2,947	2,947	2,947	17,679	
PW	Peterbilt Single Axle Dump Truck	84	2016	20	2036	177,446		300,000	15,000	75,000	225,000	15,000	15,000	15,000	15,000	150,000	

Village of Carol Stream

STATE ASSET SEIZURE FUND

Acct. # / Description	Actual FY 18/19	Revised Budget FY 19/20	Estimated FY 19/20	Proposed Budget FY 20/21	Projected FY 21/22	Projected FY 22/23
Revenues (02000000)						
43212 State Drug Seizure	\$ -	\$ -	\$ 16,347	\$ -	\$ -	\$ -
23213 State Money Laundering	-	-	27,849	-	-	-
23214 State Vehicle Seizure	-	-	2,788	-	-	-
Total Revenues	\$ 0	\$ 0	\$ 46,984	\$ 0	\$ 0	\$ 0
Expenditures						
State Drug Seizure (02385200)						
52223 Training	-	-	-	9,700	-	-
52230 Telephone	-	450	433	450	-	-
52244 Maintenance & Repair	-	2,400	2,250	2,000	-	-
53317 Operating Supplies	-	2,000	1,500	-	-	-
53330 Investigations	-	1,600	1,571	-	-	-
53350 Small Equipment Expense	-	350	229	31,500	-	-
54413 Computer Equipment	-	-	-	32,200	-	-
54415 Vehicles	-	-	-	32,500	-	-
Subtotal - Drug	-	6,800	5,983	108,350	-	-
State Money Laundering Seizure - (02385300)						
52223 Training	-	-	-	-	-	-
54413 Computer Equipment	-	-	-	-	-	-
Subtotal - Money Laund	-	-	-	-	-	-
State Vehicle Seizure - (02385400)						
52223 Training	-	-	-	-	-	-
54413 Computer Equipment	-	-	-	-	-	-
Subtotal - Money Laund	-	-	-	-	-	-
Total Expenditures	\$ 0	\$ 6,800	\$ 5,983	\$ 108,350	\$ 0	\$ 0
Net Increase / (Decrease)		\$ (6,800)	\$ 41,001	\$ (108,350)	\$ -	\$ -
Transfer 4-30-19 Fund Balance	\$ 231,707					
Projected Year End Fund Balance			\$ 272,708	\$ 164,358	\$ 164,358	\$ 164,358

Village of Carol Stream

FEDERAL ASSET SEIZURE FUND

Acct. # / Description	Actual FY 18/19	Revised Budget FY 19/20	Estimated FY 19/20	Proposed Budget FY 20/21	Projected FY 21/22	Projected FY 22/23
Revenues (03000000)						
43210 DOJ Seizure	\$ -	\$ -	\$ 143,412	\$ -	\$ -	\$ -
43211 Treasury Seizure	-	-	7,044	-	-	-
Total Revenues	\$ 0	\$ 0	\$ 150,456	\$ 0	\$ 0	\$ 0
Expenditures						
Federal Asset Seizure - DOJ (03395000)						
52223 Training	-	-	-	-	-	-
52315 Canine Services	-	5,500	5,000	5,500	5,500	5,500
53323 Weapons	-	-	-	-	-	-
53324 Uniforms	-	-	-	-	-	-
53330 Investigations	-	-	-	-	-	-
53350 Small Equipment Expense	-	-	-	-	-	-
54413 Computer Equipment	-	1,000	888	-	-	-
Subtotal - DOJ	-	6,500	5,888	5,500	5,500	5,500
Federal Asset Seizure - Treasury (03395100)						
52223 Training	-	-	-	-	-	-
52315 Canine Services	-	-	-	-	-	-
53323 Weapons	-	-	-	-	-	-
53324 Uniforms	-	-	-	-	-	-
53330 Investigations	-	-	-	-	-	-
53350 Small Equipment Expense	-	-	-	-	-	-
54413 Computer Equipment	-	-	-	-	-	-
Subtotal - Treasury	-	-	-	-	-	-
Total Expenditures	\$ 0	\$ 6,500	\$ 5,888	\$ 5,500	\$ 5,500	\$ 5,500
Net Increase / (Decrease)		\$ (6,500)	\$ 144,568	\$ (5,500)	\$ (5,500)	\$ (5,500)
Transfer 4-30-19 Fund Balance	\$ 21,104					
Projected Year End Fund Balance			\$ 165,672	\$ 160,172	\$ 154,672	\$ 149,172



Village of Carol Stream

FY21

Budget Workshop #3

**WATER & SEWER FUND
CAPITAL IMPROVEMENTS PROGRAM
OTHER FUNDS**

March 16, 2020



Agenda

Water and Sewer Fund and Capital Improvement Plan (CIP)

- Water/Sewer Fund
 - Historical Perspective
 - Water Loss Update
 - AMR Replacement Program Update
 - Current Budget Year FY20
 - Proposed FY21 Budget
 - Revenue / rate assumptions
 - Significant areas of focus for FY21
 - Water / Sewer Rate Comparability
- Capital Improvement Plan (CIP)
- Other Funds

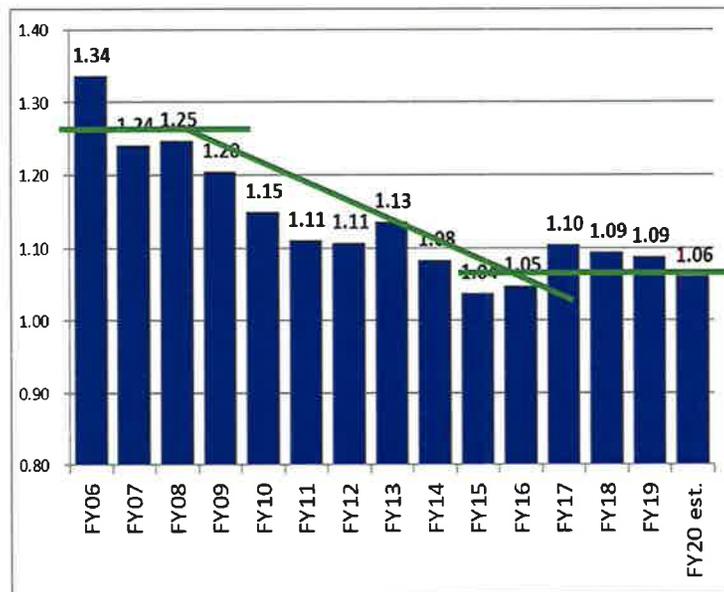


Water & Sewer Fund Historical Perspective

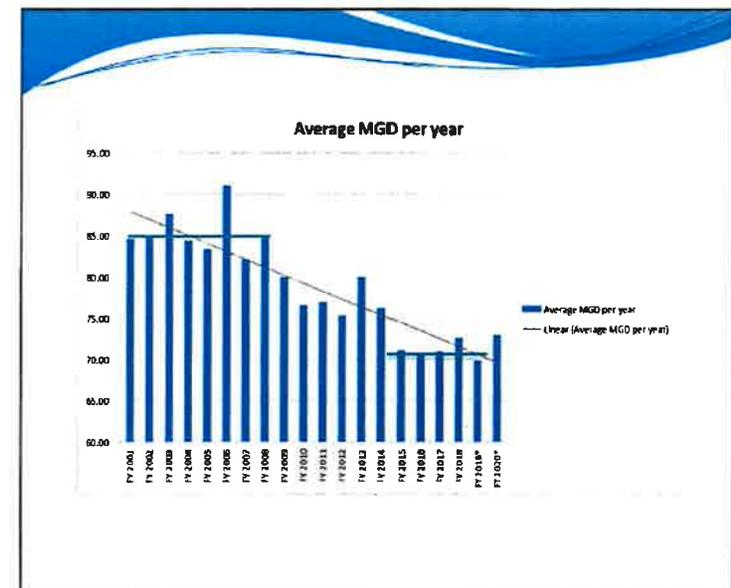
Water & Sewer Fund Historical Perspective

- Long-term trend of reduced water consumption in Carol Stream is consistent with other DuPage Water Commission (DWC) members:

Carol Stream



ALL DWC Members

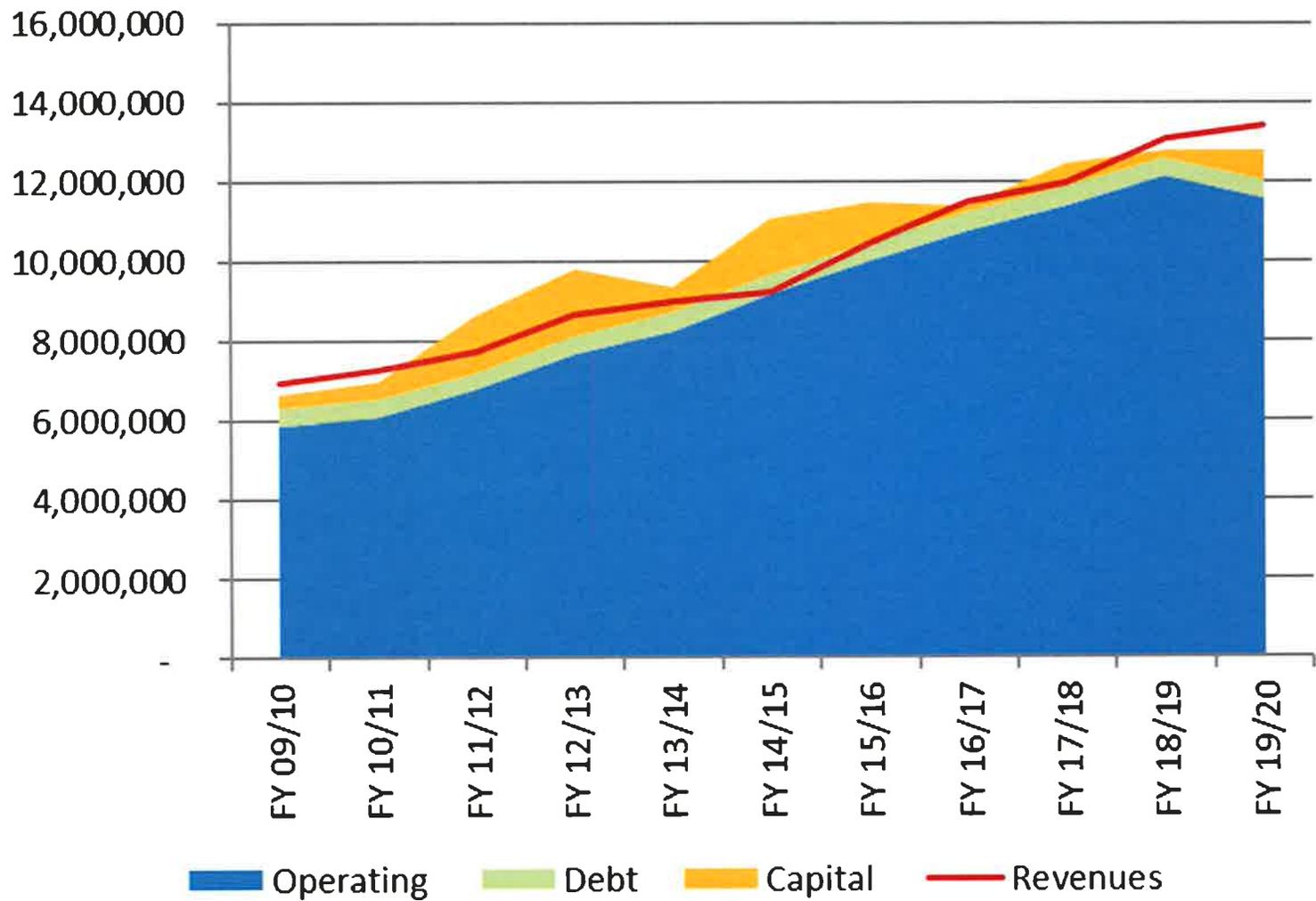




Water & Sewer Fund Historical Perspective

- Significant shift in the cost of purchasing water from City of Chicago through the DuPage Water Commission (DWC). 116% increase in water purchase costs from 2011-2015.
- During Chicago rate increases, Carol Stream only passed along additional water cost increases to customers. All other system maintenance and capital costs were funded through use of reserves.
- Cash Reserve balances were reduced during this period to the point the Village was not fully covering its operating expenses and all capital spending was entirely from reserves.
- Carol Stream began its own series of regular rate increases in 2016 to ensure coverage of operating costs and the ability to accumulate resources for future capital maintenance activities.
- The last 4 years of “catch-up” rate increases have provided improved operating cost coverage and moved the combined fund into improved financial health.

Water & Sewer Fund Historical Expenses by Type vs Revenues





Water Loss Update

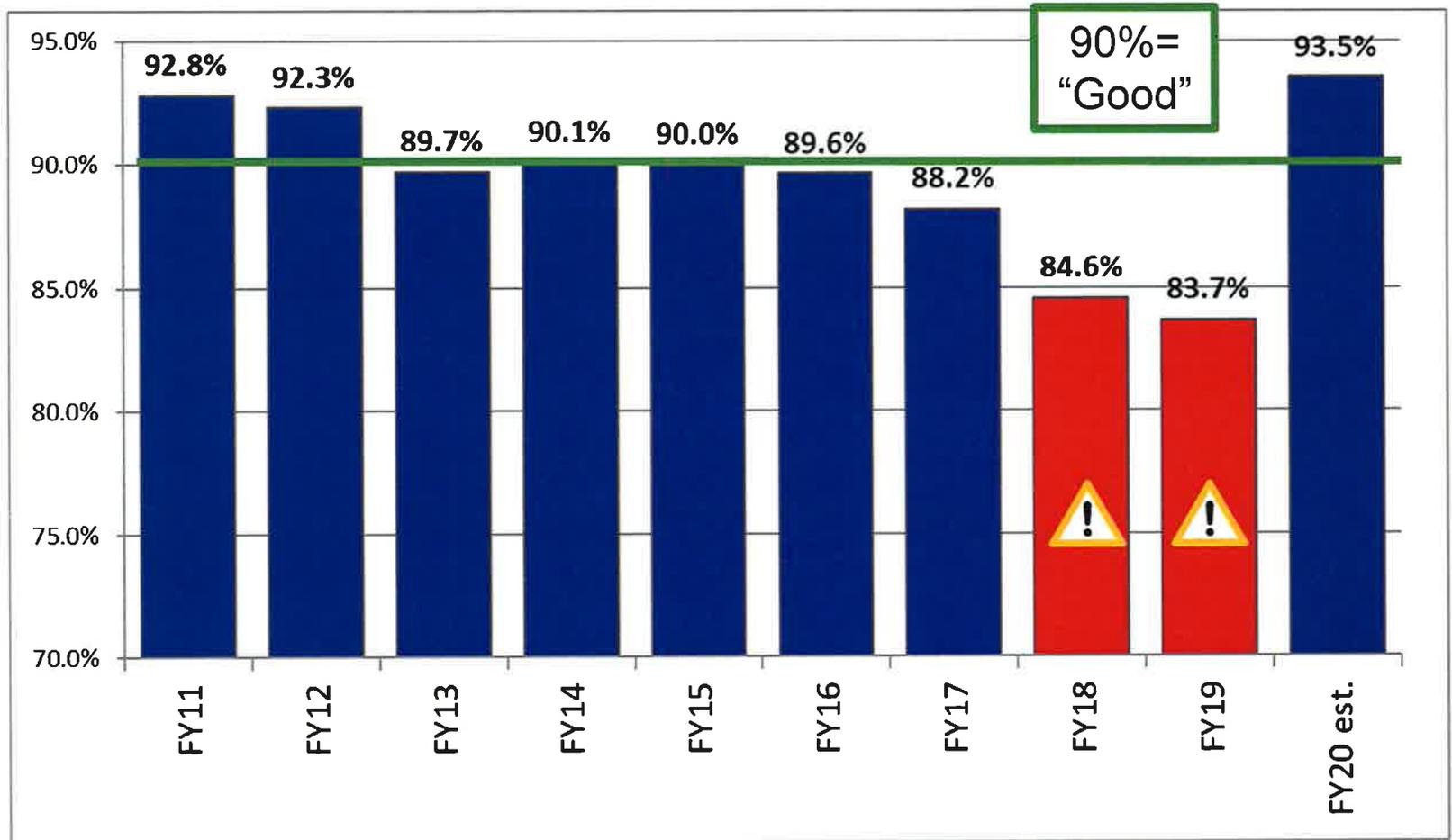
Water Loss Update

Actions Taken to Address Unaccounted Water

- Task force formed including staff from Public Works, Finance, Engineering and Community Development.
- Review of all potential sources of unaccounted for water loss from DWC delivery point to consumption by customer, including:
 - Leak detection – **completed annually on both public and private service mains** (industry, multi-family, commercial, schools).
 - Use of water during construction, chlorination, pressure testing.
 - Meter tampering / illegal connections / unbilled addresses
 - Billing system errors / incorrect meter multipliers
 - Large meter testing and replacement
 - Meter training with industry experts
 - “Red flag” analysis and follow-up of unusual consumption
 - Continuous monitoring

Water & Sewer Fund Water Loss

Historical Water Billed to Purchased Ratio

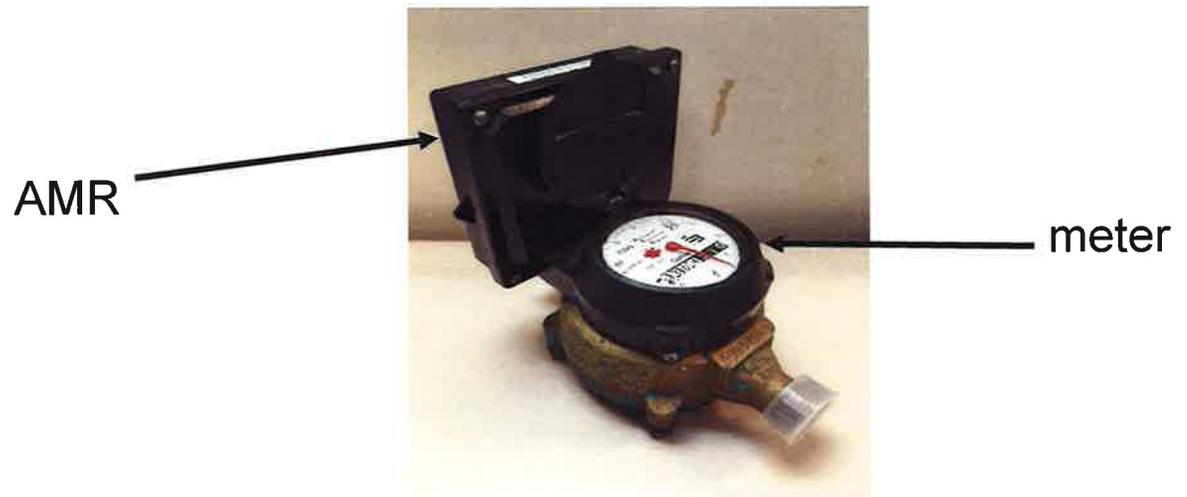




AMR Replacement Program Update

Water & Sewer Fund AMR Replacement Program Update

- AMRs (attached on top of water meter) that transmit meter readings via radio wave to collection equipment.
- FY19 began program for replacement of approximately 10,800 AMR's over 3+ year time frame using internal staff to complete.
- 4,300 AMR's have been replaced since program start-up in August 2018 (including those replaced in day-to-day operations)
- 6,500 remain to be replaced (40% complete to date).





Current Budget Year FY20



Water & Sewer Fund Current Year FY20 Projected Performance

FY20 REVENUES

- Billed consumption for FY20 is projected to decrease by 1.5% compared to the prior year FY19.
- Consumption losses have slowed to some degree over last 5 years (2.4% net reduction from FY15 to FY20) compared to our longer-term trend of steeper decline (22% net reduction in 10 year period from FY06 to FY15).
- Due to moderate drop-off in consumption, total Fund revenues projected to be slightly below budget by \$72,000 or 0.5%.



Water & Sewer Fund Current Year FY20 Projected Performance

FY20 EXPENSES

- Total projected FY20 operating expenses (excluding capital) are \$455,550 or 3.6% below budget. 83% of reduced expenditures below budget are the result of reduced DVC water purchases.
- Total FY20 expenditures (including capital) are \$3.4 million below budget due to the budgeted Schmale Road water main project that will not be completed this year (re-budgeted in FY21).
- A Fund surplus of just under \$700,000 is projected by the end of FY20 on April 30, 2020.
- Performance of the fund is within budget expectations and meets previous rate adjustment goals of full operating expense coverage AND we are now beginning to save for future capital improvement projects.

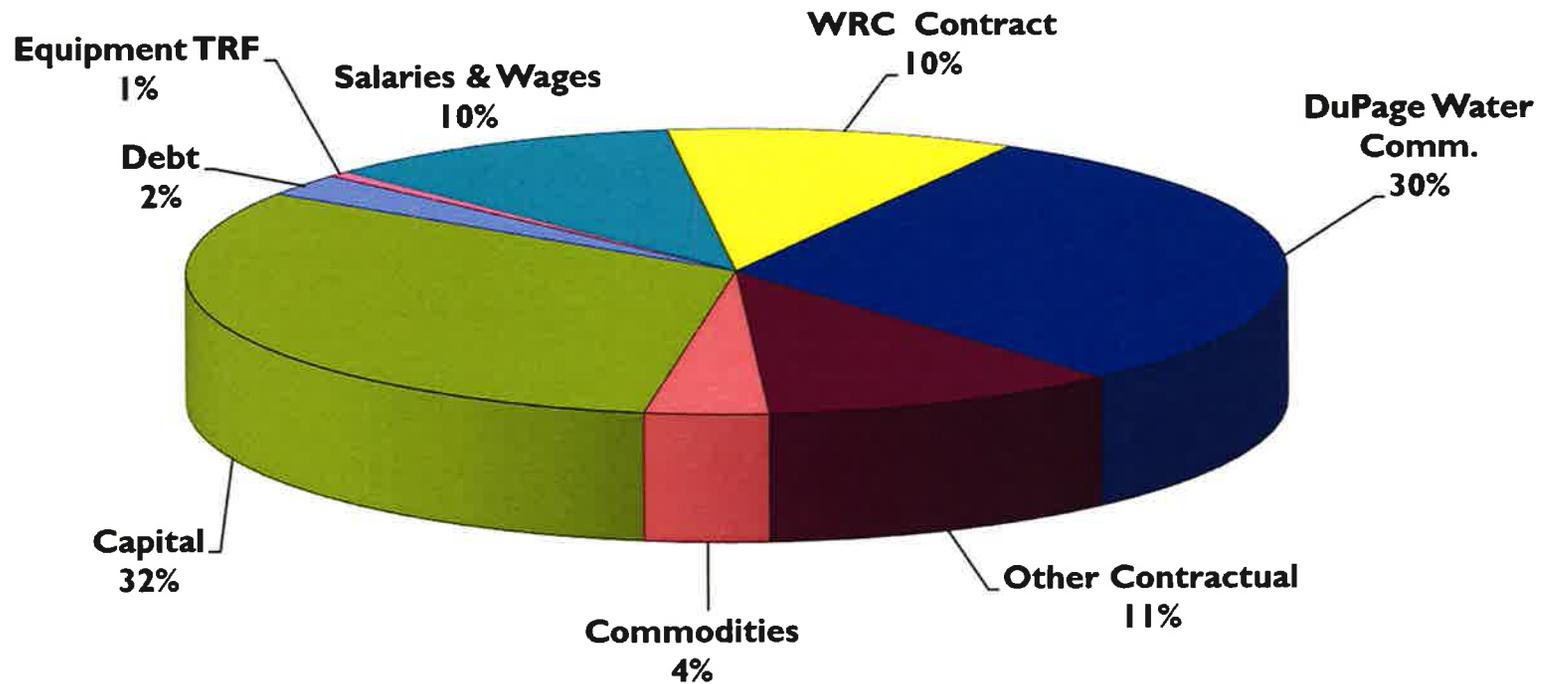
Water & Sewer Fund Current Year FY20 Projected Performance

	Actual FY18/19	Revised Budget FY19/20	Estimated FY19/20	Above (Below) Budget
REVENUES	\$ 13,074,303	\$ 13,560,000	\$ 13,488,000	\$ (72,000)
OPERATING COSTS				
Salaries & Wages	1,627,851	1,670,102	1,837,115	167,013
Contractual Services				
Water Commission	6,396,864	6,024,000	5,645,000	(379,000)
WRC Contract	1,798,153	1,894,000	1,894,000	-
All Other	<u>1,599,992</u>	<u>1,781,019</u>	<u>1,549,227</u>	<u>(231,792)</u>
Total Contractual	9,795,009	9,699,019	9,088,227	(610,792)
Commodities	704,347	648,593	636,822	(11,771)
Debt	<u>484,516</u>	<u>484,560</u>	<u>484,560</u>	<u>-</u>
TOTAL OPERATING	12,611,723	12,502,274	12,046,724	(455,550)
Net G/L Before Capital	<u>462,580</u>	<u>1,057,726</u>	<u>1,441,276</u>	<u>383,550</u>
CAPITAL COSTS	<u>190,395</u>	<u>3,668,000</u>	<u>745,000</u>	<u>(2,923,000)</u>
Total Expenses	<u>\$ 12,802,118</u>	<u>\$ 16,170,274</u>	<u>\$ 12,791,724</u>	<u>\$ (3,378,550)</u>
Fund Income/(Loss)	\$ 272,185	\$ (2,610,274)	\$ 696,276	



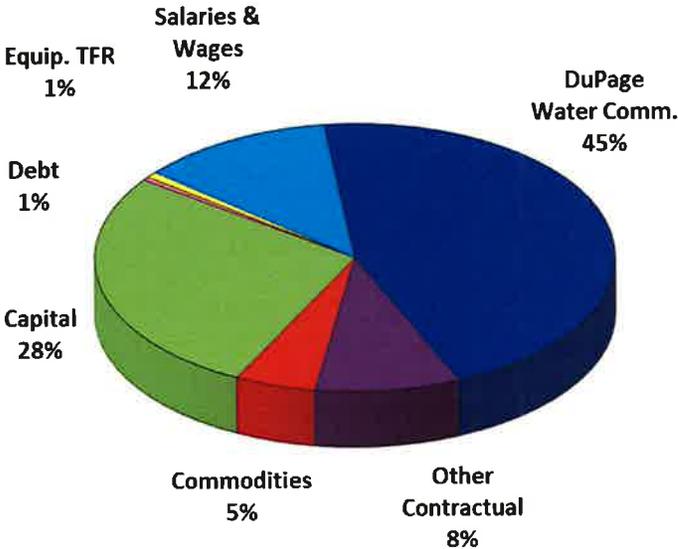
Proposed FY21 Budget

Village of Carol Stream Water & Sewer Fund Proposed Expenses by Category FY21

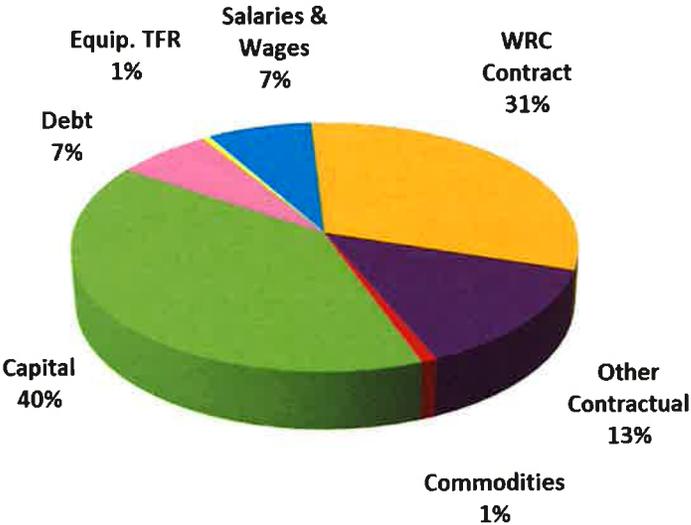


Village of Carol Stream Water & Sewer Fund Proposed Expenses by Category FY21

Water Division



Sewer Division





Water & Sewer Fund Proposed FY21 REVENUES

Assumptions used in projecting revenues:

1. Projecting billed water consumption at same level as FY20 estimate. This assumes billing of 1.062 billion gal.
2. Revenues shown reflect the following 5/1/20 proposed rate adjustments:
 - Water - \$0.24 increase from \$8.14 to \$8.38 per 1,000 gallons. (2.9% increase)
 - Sewer - No rate increase recommended. Current rate = \$4.66 per 1,000 gallons water billed.
 - Combined rate increase = \$0.24 or 1.9% over current rates.
 - 3.0% water and 0.0% sewer increase in FY22 and FY23.

Village of Carol Stream
Draft Water & Sewer Fund Budget Expenditures
FY21 Proposed Compared to FY20 Budget

	Revised Budget FY19/20	Estimated FY19/20	Proposed Budget FY20/21	FY20/21 proposed to FY19/20 Budget	
REVENUES	\$ 13,560,000	\$ 13,488,000	\$ 13,530,000	\$ (30,000)	-0.2%
OPERATING COSTS					
Salaries & Wages	1,670,102	1,837,115	1,990,555	320,453	19.2%
Contractual Services					
Water Commission	6,024,000	5,645,000	5,715,000	(309,000)	-5.1%
WRC Contract	1,894,000	1,894,000	1,945,000	51,000	2.7%
All Other	1,781,019	1,549,227	2,002,275	221,256	12.4%
Total Contractual	9,699,019	9,088,227	9,662,275	(36,744)	-0.4%
Commodities	648,593	636,822	688,531	39,938	6.2%
Debt	484,560	484,560	483,579	(981)	-0.2%
TOTAL OPERATING	12,502,274	12,046,724	12,824,940	322,666	2.6%
Net G/L Before Capital	1,057,726	1,441,276	705,060		
CAPITAL COSTS	3,668,000	745,000	5,984,000	2,316,000	63.1%
Interfund Transfers			120,496	120,496	100.0%
Total Expenses	\$ 16,170,274	\$ 12,791,724	\$ 18,929,436	2,759,162	17.1%
Fund Income/(Loss)	\$ (2,610,274)	\$ 696,276	\$ (5,399,436)		

Water & Sewer Fund – FY21

OPERATING EXPENSES

- Salary & Wages increase of 19.2% is the result of a rebalancing of PW payroll expenses allocated between General and Water & Sewer Funds based on historical trends. Combined salary and wage expenditures between both funds for FY21 is an increase of 3.3%.
- Water Purchases are projected to decrease by \$309,000 from FY20 budget, reflecting the Village's improved billed to purchased ratio. DWC has proposed no increase in rates charged to member communities for May 1.

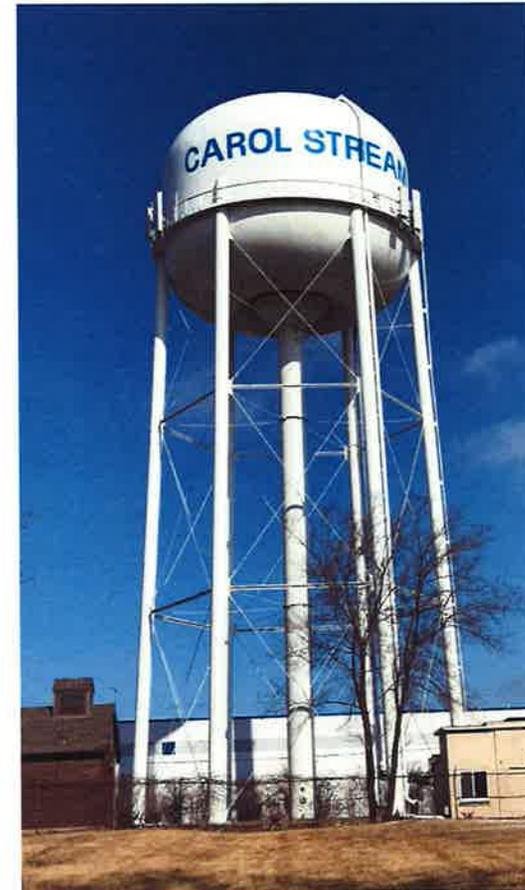
Water & Sewer Fund – FY21

OPERATING EXPENSES

Lies Rd. Tower Painting &
Minor Repairs (\$315,000)



Fullerton Tower Painting –
Design (\$30,000)



Water & Sewer Fund – FY21

OPERATING EXPENSES

- Water System Update – \$65,000
Updates are recommended every 10 years to aid in identifying system deficiencies, water quality and model system performance.
- Sewer Televising (RedZone) – \$173,240/yr. for 5 years
This project will televise every inch of sanitary sewer pipe in the system, providing data critical to planning maintenance work and capital projects. Televising should be completed within six months.
- Repairs Identified by Televising:
 - Pipe repairs - \$50,000

Water & Sewer Fund – FY21

CAPITAL EXPENSES

Water System

Schmale Road Water Main Replacement	\$	3,200,000	*
Fleet Addition – F550 Dump w/Plow		107,000	
Chorine Injection Systems		100,000	
Kuhn Rd. Tank Mixer		<u>55,000</u>	
Total Water	\$	3,462,000	

Sewer System

Sludge Dewatering System Improvements	\$	2,005,000	
Gary Avenue Sanitary Sewer Bypass		400,000	
Sewer Camera		67,000	
Sanitary Sewer Manhole Repairs		<u>50,000</u>	
Total Sewer	\$	<u>2,522,000</u>	

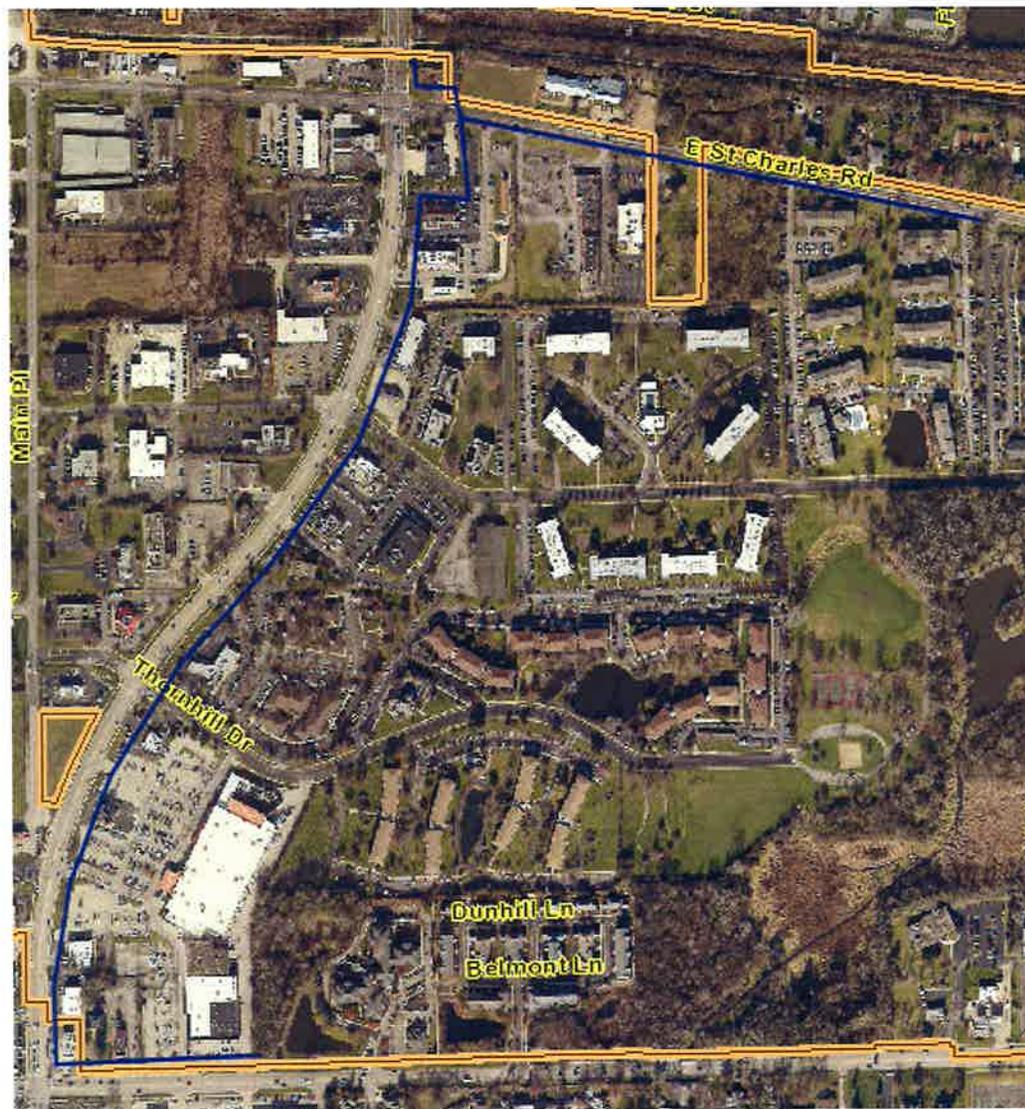
Total Capital Improvement **\$ 5,984,000**

*** Re-budgeted from FY20**

Water & Sewer Fund – FY21 CAPITAL EXPENSES

Schmale Road
Water Main
Replacement
Cost = \$3,200,000

Note:
Water main depiction is for
illustration purposes only.
Line will shift between east
and west sides.



Water & Sewer Fund – FY21 CAPITAL EXPENSES

Additional One-ton Dump Truck - Cost = \$107,000



Addition to water and sewer fleet for smaller excavations and day to day activities. Will be equipped with plow, spreader, and related snow fighting equipment.

Water & Sewer Fund – FY21 CAPITAL EXPENSES

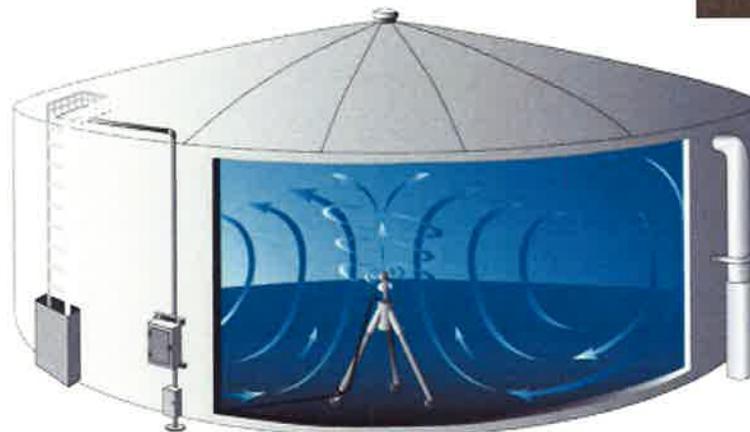
Install **Chlorine Injection Systems** in Kuhn Road and Gerzevske Pumping Stations (\$100,000) and **Mixer** at Kuhn Road Station (\$55,000)



Kuhn Road Reservoir



Stratification in reservoir



Mixing to reduce stratification

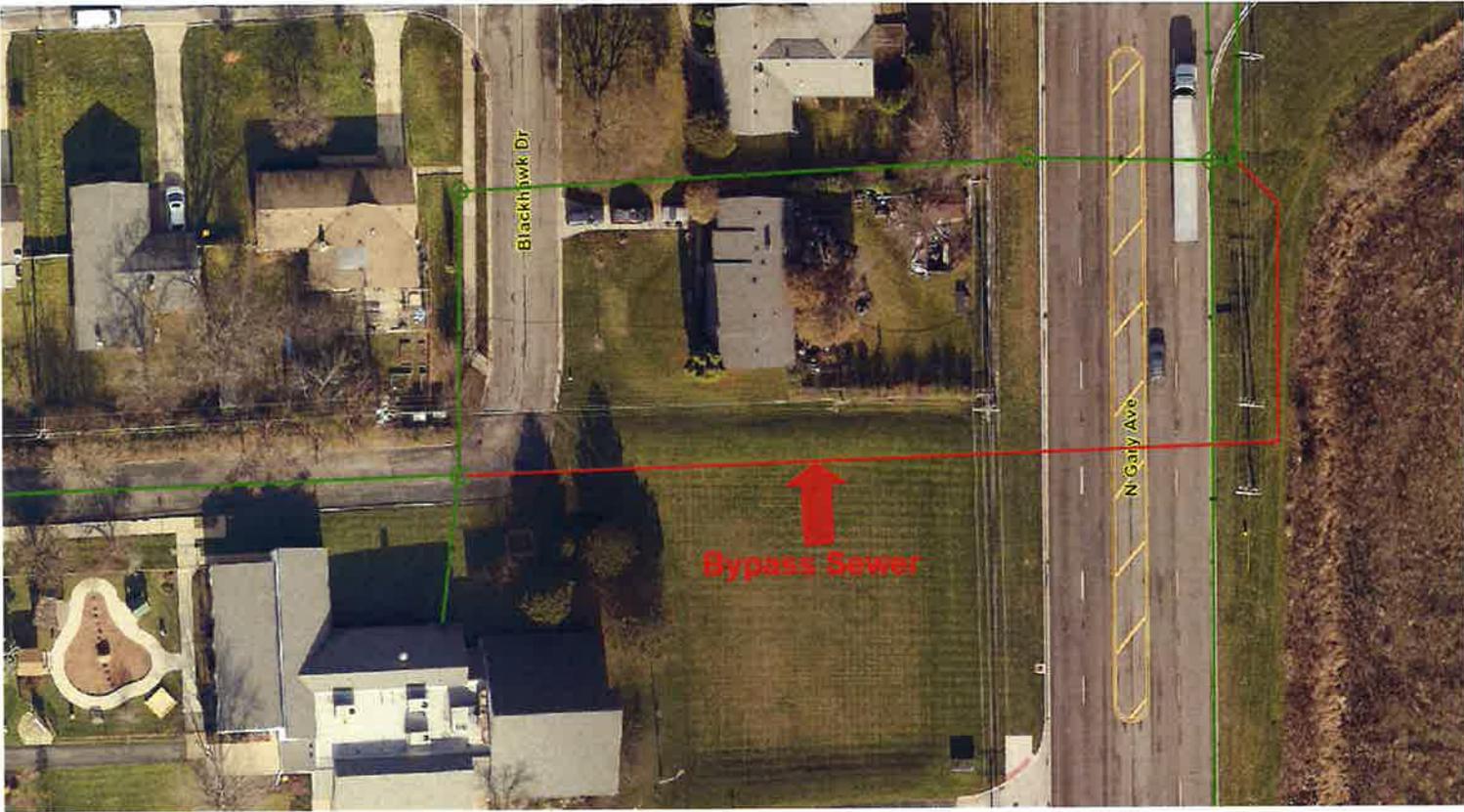
Water & Sewer Fund – FY21 CAPITAL EXPENSES

- WRC De-watering System Replacement
 - Estimated Construction Cost: \$2,005,000
 - Design underway; bid in April and start construction in Nov.



Water & Sewer Fund – FY21 CAPITAL EXPENSES

- Gary Ave. Sanitary Sewer Bypass - \$400,000

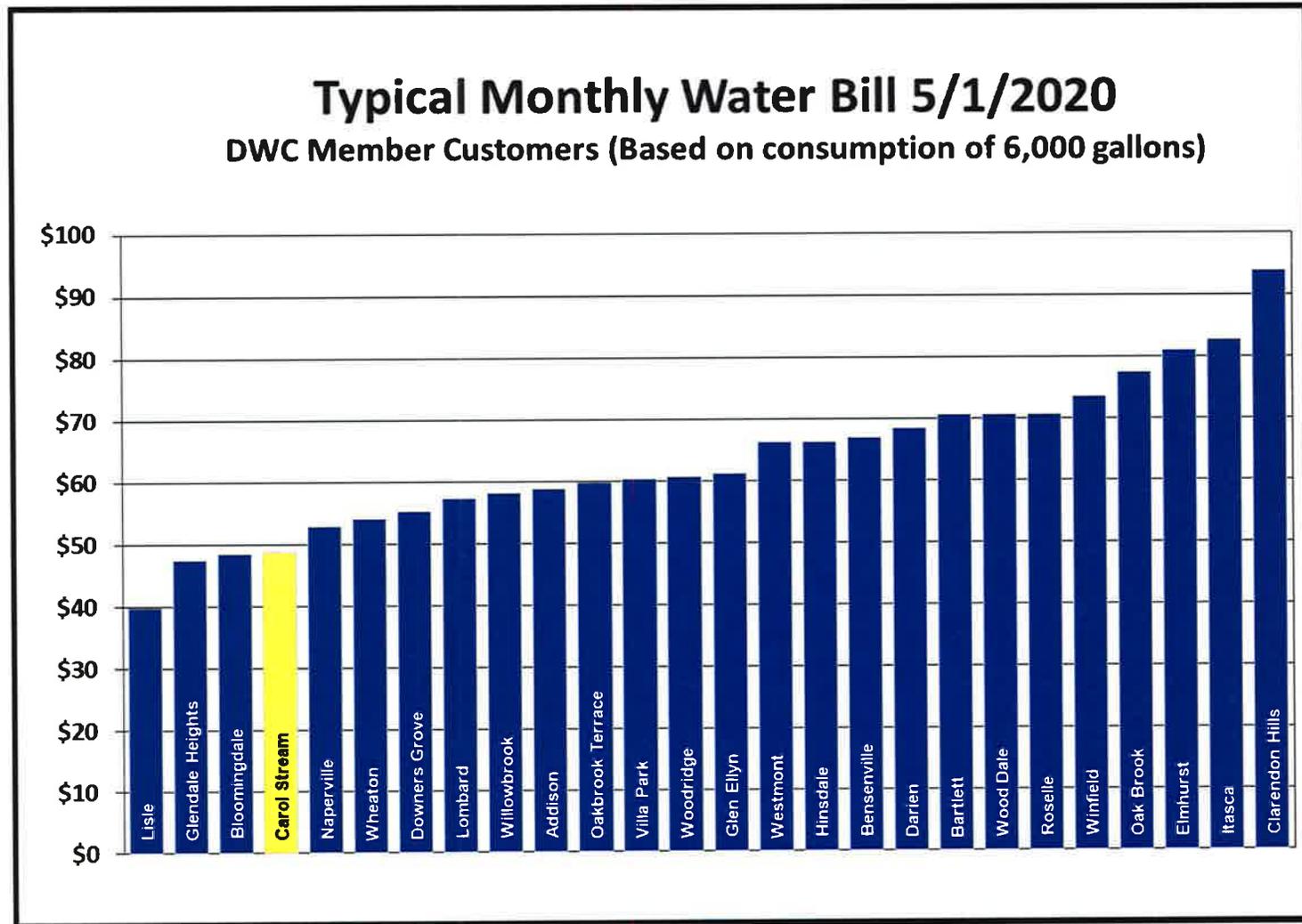




RATE COMPARABILITY

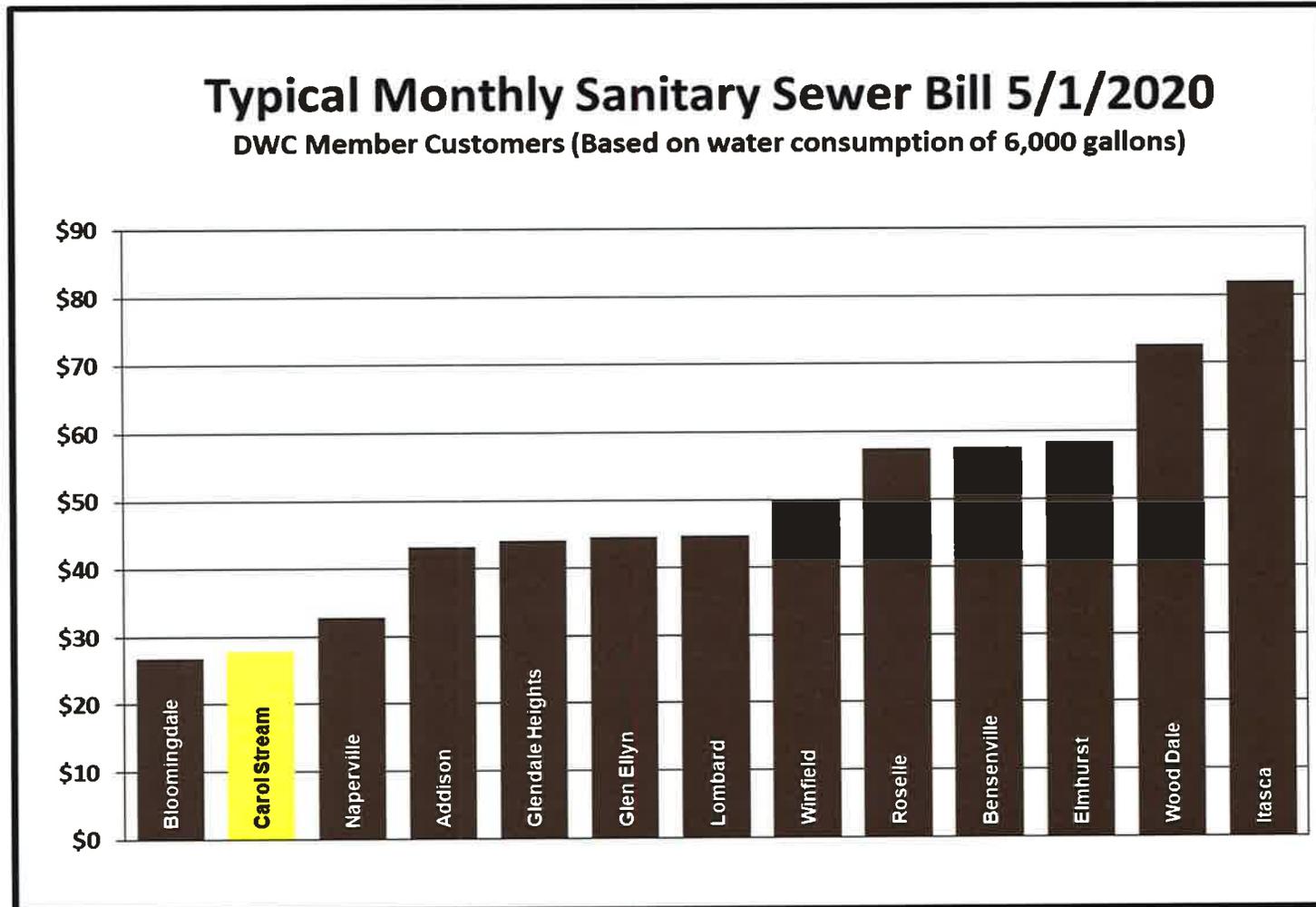
5/1/2020

Water & Sewer Fund Community Comparison – Water



Source: Municipal Websites – 2/1/2020

Water & Sewer Fund Community Comparison – Sewer



Source: Municipal Websites – 2/1/2020

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



CAPITAL IMPROVEMENT PROGRAM (CIP)



Capital Improvement Program FY21-FY25

REVENUES

The Capital Improvement Program (CIP) is essentially the combined activities of the following 2 funds:

1. Capital Projects Fund
 - Local Gasoline Tax
 - Electricity Use Tax
 - Real Estate Transfer Tax
 - Telecommunications Tax
2. Motor Fuel Tax Fund
 - Per capita State Motor Fuel Tax
 - Separate accounting required by IDOT

Capital Improvement Program FY21-FY25

REVENUES

Fund	Revenue	FY21	FY22	FY23	FY24	FY25
CPF	Local Gasoline Tax	\$890,000	\$925,000	\$925,000	\$925,000	\$925,000
CPF	Electricity Use Tax	1,870,000	1,870,000	1,870,000	1,870,000	1,870,000
CPF	Real Estate Tfr Tax	750,000	750,000	750,000	750,000	750,000
CPF	Telecom. Tax	627,000	533,000	453,000	408,000	367,000
CPF	Grants/Contr./Int.	819,000	185,000	1,085,000	75,000	100,000
MFT	State MFT Funds	987,000	980,000	970,000	960,000	950,000
MFT	TRF Supplement	670,000	670,000	670,000	670,000	670,000
MFT	Interest Income	50,000	50,000	50,000	50,000	50,000
	TOTALS	\$6,663,000	\$5,963,000	\$6,773,000	\$5,708,000	\$5,682,000

5 Year Total Revenues = \$30,789,000

Capital Improvement Program FY21-FY25

EXPENDITURES

Fund	Expenditure	FY21	FY22	FY23	FY24	FY25
CPF	Roadways	\$1,745,000	\$3,099,000	\$5,490,000	\$2,132,000	\$2,159,000
MFT	Roadways	3,355,000	2,600,000	100,000	2,600,000	2,100,000
CPF	Stormwater System	1,316,000	1,582,000	2,280,000	487,000	275,000
CPF	Village Facilities	300,000	1,000,000	400,000	400,000	0
CPF	Misc.	1,000	1,000	1,000	1,000	1,000
	TOTALS	\$6,717,000	\$8,282,000	\$8,271,000	\$5,620,000	\$4,535,000

5 Year Total Expenditures = \$33,425,000

5 Year Capital Improvement Program (CIP)

Projected reserves as presented at Sept. 30 and Oct. 6 2019

Property Tax Public Forums:

Projected Reserve Balances - BEFORE					
Fund	FY20	FY21	FY22	FY23	FY24
Capital Projects Fund	\$5,827,158	\$2,755,158	(\$2,359,842)	(\$6,154,842)	(\$9,609,842)
Motor Fuel Tax Fund	<u>2,813,954</u>	<u>872,954</u>	<u>1,841,954</u>	<u>2,806,954</u>	<u>3,767,954</u>
Total CIP	\$8,641,112	\$3,628,112	(\$517,888)	(\$3,347,888)	(\$5,841,888)

Projected reserve balances FY21 - FY25 following approval of property tax and newly dedicated revenues for CIP:

Projected Reserve Balances - AFTER					
Fund	FY21	FY22	FY23	FY24	FY25
Capital Projects Fund	\$8,577,475	\$7,158,475	\$4,070,475	\$5,078,475	\$6,655,475
Motor Fuel Tax Fund	<u>2,047,666</u>	<u>1,147,666</u>	<u>2,737,666</u>	<u>1,817,666</u>	<u>1,387,666</u>
Total CIP	\$10,625,141	\$8,306,141	\$6,808,141	\$6,896,141	\$8,043,141



Capital Improvement Program FY21-FY25

SUMMARY

The Capital Improvement Program (CIP):

1. Is self-sustaining over the 5 year plan.
2. No longer primarily reliant on General Fund surplus balances to ensure proper investment in infrastructure maintenance and replacement.



Village of Carol Stream

**FY21
BUDGET WORKSHOP
CAPITAL IMPROVEMENT
PROGRAM**

March 16, 2020

AGENDA

- **Infrastructure Inventory and Grant History**
- **FY20 Projects**
 - **Budgeted vs Completed**
- **Proposed FY21 Projects**
 - **Transportation**
 - **Stormwater**
 - **Facilities**
- **Future FY22-25 Projects**
 - **Transportation**
 - **Stormwater**
 - **Facilities**

INFRASTRUCTURE INVENTORY

	UNIT	QUANTITY	ESTIMATED UNIT PRICE	TOTAL
Roadway				
Asphalt Pavement	Square Yards	1,930,430	\$ 60.00	\$ 115,825,800.00
Pavement Markings	Lump Sum	1	\$ 150,000.00	\$ 150,000.00
Curb	Lineal Feet	1,045,495	\$ 19.00	\$ 19,864,405.00
Sidewalks	Square Feet	6,245,019	\$ 5.25	\$ 32,786,349.75
Streetlights	Each	1823	\$ 4,000.00	\$ 7,292,000.00
Street Controllers	Each	38	\$ 20,000.00	\$ 760,000.00
Street Wiring	Lineal Feet	340,183	\$ 3.00	\$ 1,020,549.00
Street Signs	Each	4933	\$ 300.00	\$ 1,479,900.00
Traffic Signals	Each	1	\$ 300,000.00	\$ 300,000.00
Watermain				
Pipe	Lineal Feet	734,970	\$ 60.00	\$ 44,098,200.00
Valves (w. Vault)	Each	2,502	\$ 4,500.00	\$ 11,259,000.00
Hydrants	Each	2,046	\$ 3,250.00	\$ 6,649,500.00
Water Services (w. B-Box)	Each	6236	\$ 3,500.00	\$ 21,826,000.00
Water Service (vaults)	Each	390	\$ 4,500.00	\$ 1,755,000.00
Water Towers & Reservoirs	Each	5	\$ 1,000,000.00	\$ 5,000,000.00
Pump Stations	Each	2	\$ 350,000.00	\$ 700,000.00
Sanitary Sewer				
Pipe	Lineal Feet	558,544	\$ 40.00	\$ 22,341,760.00
Manholes	Each	2,764	\$ 2,250.00	\$ 6,219,000.00
Lift Stations	Each	3	\$ 350,000.00	\$ 1,050,000.00
Treatment Plants	Each	1	\$ 15,000,000.00	\$ 15,000,000.00
Storm Sewer				
Pipe	Lineal Feet	767,369	\$ 38.00	\$ 29,160,022.00
Storm Manholes	Each	2900	\$ 2,200.00	\$ 6,380,000.00
Storm Catch Basins	Each	2430	\$ 2,000.00	\$ 4,860,000.00
Storm Inlets	Each	3033	\$ 1,000.00	\$ 3,033,000.00
Storm Flared End Sections	Each	662	\$ 1,200.00	\$ 794,400.00
Lift Stations	Each	2	\$ 130,000.00	\$ 260,000.00
Detention Basins	Each	27	\$ 150,000.00	\$ 4,050,000.00
Facilities and Parking Lots				
Village Hall	Each	1	\$ 18,000,000.00	\$ 18,000,000.00
Public Works building, garages, etc.	Each	1	\$ 15,000,000.00	\$ 15,000,000.00
Town Center Fountain and Concessions	Each	1	\$ 10,000,000.00	\$ 10,000,000.00
President St. Parking Lot	Each	1	\$ 40,000.00	\$ 40,000.00
Total Cost of Carol Stream infrastructure				\$ 406,954,885.75

GRANT FUNDED PROJECTS

<u>Grant Funded Roadway Projects</u>	<u>Year</u>	<u>Source</u>	<u>Grant Amount</u>
Kuhn Road Bridge Replacement	1999	BRRP	\$ 795,512
Lies Road & Kuhn Road Traffic Signal	1999	HSIP	120,916
CC&PR Crossing Replacement	2002	CC&PR	26,870
Lies Road Bike Path	2006	TCM	564,756
Lies Road Resurfacing – Gary to Schmale	2006	LAPP	489,974
Fullerton Avenue Resurfacing – Gary to Schmale	2008	LAPP	314,496
Lies Road Resurfacing – Gary to Kuhn	2010	LAPP	620,470
Fair Oaks Road Resurfacing – North to Army Trail	2012	LAPP	541,041
Kuhn Road Bike Path	2012	CMAQ, DCEO, TCM ITEP, WTRD, FPD,	812,785
West Branch DuPage River Trail	2015	TCM	729,284
Kuhn Road Pavement Rehabilitation – North to Lies	2015	LAFO	572,600
Lies Road Pavement Rehabilitation – County Farm to Kuhn	2016	LAFO	366,340
Lies Road Pavement Rehabilitation – Fair Oaks to High Ridge Pass	2017	LAFO	370,437
Lies Road Pavement Rehabilitation – Gary to Schmale	2019	LAFO	694,500
Lies Road Bike Path Extension	2019	ITEP, TCM	613,784
Carol Stream - Bloomingdale Trail	2019	ITEP, TCM	476,049
Gary Avenue Multi-Use Path	2019	DPC, TCM	3,636,835
Southeast Bike Path	2019	TAP-L, TCM	1,604,000

TOTAL: \$ 13,350,649



CAPITAL IMPROVEMENT PROGRAM

FY20 BUDGETED VERSUS COMPLETED PROJECTS



Transportation Projects – CPF Budget \$2.4 M – Spent \$1.0 M

- \$900,000 in bike trail projects dependent on IDOT approvals to use grants
- \$300,000 for the Lies Rd LAFO that was funded at 70% rather than 50%
- \$200,000 in Fair Oaks guardrail and culvert replacement delayed

Transportation Projects – MFT Budget \$2.3 M – Spent \$2.0 M

- \$300,000 in savings due to good bid pricing and actual field quantities

Stormwater Projects – CPF Budget \$900 K – Spent \$200 K

- \$400,000 to redesign the Clearwater Ct drainage system and save costs
- \$200,000 for various studies and savings on other projects

Facilities Projects – CPF Budget \$150 K – Spent \$204 K

- \$54,000 over due to soils contamination and environmental regulations

COMPLETED CIP PROJECTS

Roadway System

Cost

Pavement Preventative Maintenance Program

Pavement Sealers

\$426 K

Pavement Patching

\$54 K

Fiberized Crackfill

\$75 K

Flexible Pavement Program

\$1.9 M

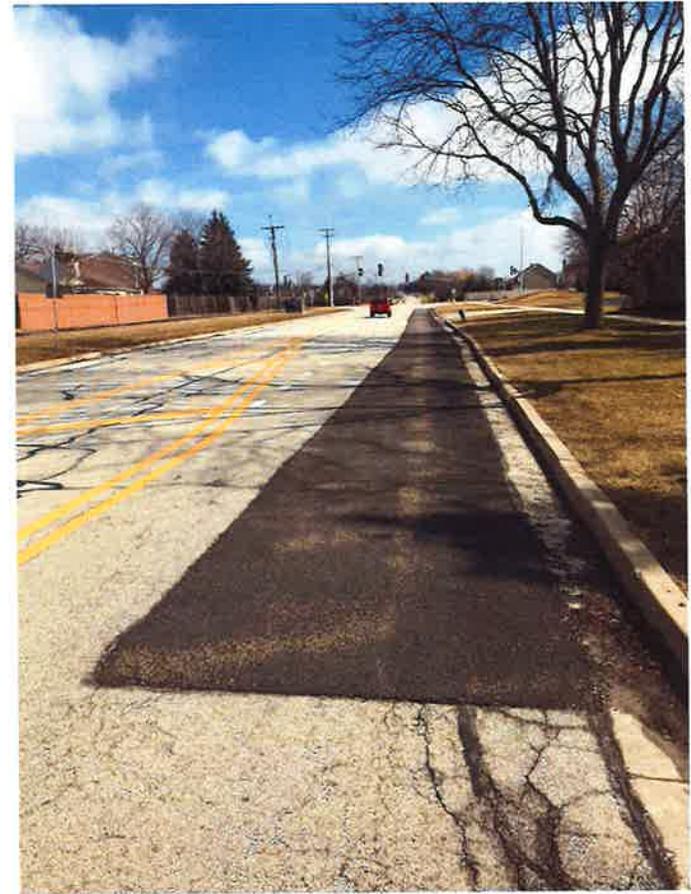
Lies Road LAFO from Gary Ave to Schmale Rd

\$300 K

Fair Oaks Road Retaining Wall Failure

\$85 K

Preventative Pavement Maintenance



Motor Fuel Tax Funded Crackfill and Flexible Pavement



Lies Road LAFO paved at night with tandem pavers



Fair Oaks Road retaining wall replacement



COMPLETED CIP PROJECTS

Stormwater Utility

Cost

Roadway Drainage Repairs	\$150 K
The Park Unit I Detention Basin Retrofit – Naturalization	\$26 K
Klein Creek Phase 1 Study and Grant Application	\$4 K
Clearwater Ct. Storm Sewer Phase 2 Design	\$7 K
Kehoe Blvd Design Drawings and Grant Approval	\$22 K
<u>Facilities</u>	
PWC Fuel Island Removal	\$204 K

Roadway Drainage Repairs



The Park Unit I Detention Basin Improvement



Klein Creek Phase I Study and Grant Application



Clearwater Court Storm Sewer Design



Kehoe Stream Stabilization and Grant Funding Approval



Public Works Fuel Island and Tank Removal





CAPITAL IMPROVEMENT PROGRAM

PROPOSED FY21 TRANSPORTATION PROJECTS

Transportation Projects

	<u>Cost</u>	<u>Fund</u>
• Flexible Pavement and Crackfilling	\$3.4 M	MFT
• Town Center* and President St. Parking Lots	\$186 K	CPF
• Pavement Maintenance (Sealers and Patching)	\$590 K	CPF
• Grant Funded Bike Trail Projects*		
• Lies Road from Gary Avenue to Schmale Road	\$90 K	CPF
• Kuhn Road from Army Trail Road to Lies Road	\$112 K	CPF
• Southeast Trail (Schmale/Gunderson/President)	\$590 K	CPF
• Fair Oaks Road Culvert/Guardrail/Slope Stabilization	\$100 K	CPF
• LED Streetlight Replacement Program	\$50 K	CPF
• Lies Road LAFO final payment to IDOT	\$46 K	CPF
• West Branch/Fair Oaks Trail final payment to IDOT*	\$65 K	CPF

* Includes revenue from other sources



Legend
 Carol Stream Schools



Village of Carol Stream

2020 Flexible Pavement Project

Surface Overlay Streets 1.25" 188
2" Surface

Street Name	SY	Street Name	SY	Street Name	SY
Alabama Trl	1,536	Dorchester Cr	4285	Outland St	4950
Alison Ct	689	Edgemoor Dr	2736	Fourth Ct	882
Allshire Ln	1,234	Foothill Cr	698	Flanagan Trl	6238
Ambridge Trl	1,336	Foundain View Dr	11,460	Florus Ct	1,418
Ash Cr	1,487	Gulfstream St	2845	Plum Grove Ct	4,035
Ash Cr Parking	636	Hingham Dr	5,400	President St	4854
Bama Dr	5,026	Harwood Cr	885	Recreation Cr	1,223
Barrick Dr	1,425	Harwood Ct Parking	129	Recreation Dr	1,214
Carroll Ln	1,488	Hoover Dr	3,645	Robin Dr	1,475
Carson Ct	954	Hugh Ct	583	Shelburne St	1,279
Chatham Dr	3,184	Huron Ct	2,953	Sherburne St	788
Chesterwood Ct	1,889	Irishbrook Ct	547	Sherburne Trl	3,373
CHP Cr	1,988	Jupiter Cr	927	Tatum Cr	2,866
Clonding Hillside Cr	256	Kanaka St	4,022	Thapa Ct	1,382
Clough Ln	4,352	Langmeadow Cr	1,146	Topoka Ct	3,542
Dearborn Cr	7,327	Longmeadow Dr	4834	Trout Dr	905
Dodge Cr	1,282	Maple Ridge Cr	2834	Vale Rd	2,527
		Oakdale Trl	2870		

Subtotal: 130,195 SY

Surface Overlay Parking Lots 1.25" 188
2" Surface

Parking Lot	SY
Town Center Parking Lot	10,750
President St Parking Lot	1,474

Subtotal: 12,264 SY

Reconstruction Streets 1.25" 188
1.75" 188
2" Surface

Street Name	SY
Birchbark Trl	9,442

Subtotal: 9,442 SY

Project Total: 151,901 SY



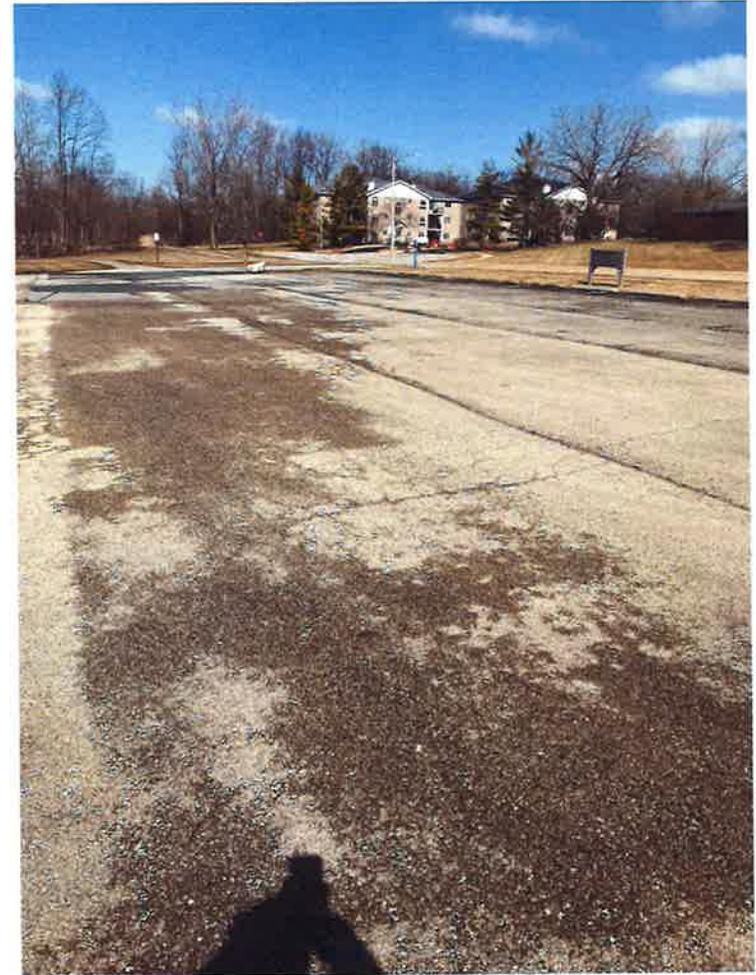
1 in = 1,300 ft



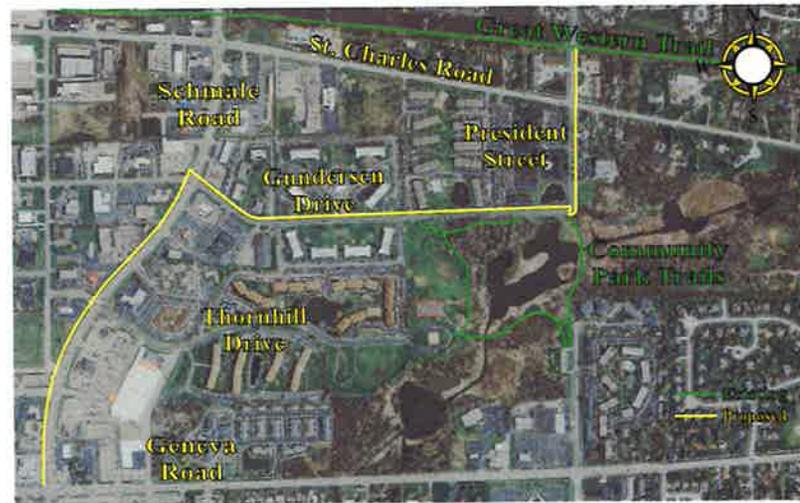
Prepared By:
 Department of Engineering Services and GIS

Date: 12/27/2019

Town Center and President Street Parking Lots



Federally Funded Bike Trail Projects



Fair Oaks Road Culvert/Guardrail/Slope Stabilization





CAPITAL IMPROVEMENT PROGRAM

PROPOSED FY21 STORM WATER AND FACILITIES PROJECTS

Stormwater Projects

	<u>Cost</u>	<u>Fund</u>
• Roadway Drainage Repairs	\$225 K	CPF
• Kehoe Blvd. Streambank Stabilization*	\$415 K	CPF
• Clearwater Ct. Storm Sewer Reconstruction	\$234 K	CPF
• Klein Creek Streambank Stabilization Studies	\$150 K	CPF
• Southeast (Gunderson and Main) Drainage Study	\$120 K	CPF
• Fullerton and Kimberly Drainage Study	\$120 K	CPF
• Detention Basin Rehabilitations and Project Maintenance	\$52 K	CPF

Facility Projects

• Town Center Lighting Repairs and Replacement	\$300 K	CPF
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* Includes funding from other sources

Southeast (Gunderson and Main) Drainage Study



Fullerton and Kimberly Drainage Study



Detention Basin Rehabilitations and Project Maintenance



Town Center Lighting Repairs and Replacements





CAPITAL IMPROVEMENT PROGRAM

FUTURE FY22-25 TRANSPORTATION PROJECTS

Transportation Projects

	<u>Fund</u>	<u>FY22</u>	<u>FY23</u>	<u>FY24</u>	<u>FY25</u>
• Flexible Pavement and Crack filling Projects	MFT	\$2.6M	\$100K	\$2.6M	\$2.1M
• Flexible Pavement Project	CPF		\$2.6M		
• Pavement Maintenance (Sealers and Patching)	CPF	\$617K	\$647K	\$678K	\$709K
• Proposed LAFOs w/o Federal Funding					
• Lies Road from County Farm to High Ridge Pass	CPF	\$510K			
• Kuhn Road from Army Trail Road to Lies Road	CPF		\$800K		
• Fair Oaks Road from Army Trail Road to Plum Grove Ct	CPF			\$520K	
• Fullerton Avenue from Gary Avenue to Schmale Road	CPF			\$20K	\$1.4M

Transportation Projects

	<u>Fund</u>	<u>FY22</u>	<u>FY23</u>	<u>FY24</u>	<u>FY25</u>
• Proposed Bike Trails with Federal Funding					
• Lies Road Trail – Gary Ave to Schmale Rd	CPF	\$206K			
• Kuhn Road Trail – Lies Rd to Army Trail Rd	CPF	\$299K			
• Southeast Trail (Schmale/Gunderson/President)	CPF	\$608K			
• Morton Road Reconstruction from St. Charles to North Ave	CPF	\$34K	\$380K		
• Old Gary Avenue Reconstruction	CPF		\$77K	\$864K	
• Fair Oaks Road Culvert/Guardrail/Slope Stabilization	CPF	\$400			
• LED Streetlight Replacement Program	CPF	\$425K	\$50K	\$50K	\$50K



CAPITAL IMPROVEMENT PROGRAM

**FUTURE FY22-25
STORM WATER AND
FACILITIES PROJECTS**



Stormwater Projects

	<u>Fund</u>	<u>FY22</u>	<u>FY23</u>	<u>FY24</u>	<u>FY25</u>
• Roadway Drainage Improvements	CPF	\$225K	\$225K	\$225K	\$255K
• Klein Creek Streambank Stabilization*	CPF	\$1.2M	\$2.0M		
• Public Detention Basin Rehabilitations	CPF	\$150K	\$50K	\$150K	\$50K
• Kehoe Blvd Streambank Stabilization continued	CPF			\$112K	
• Naturalization Projects Planned Maintenance	CPF	\$7K	\$5K		

Facilities Projects

• Public Works Facility and Yard Improvements	CPF	\$1.0M			
• Public Works W&S and Mechanics Roof Replacement	CPF		\$400K		
• Parking Lot and Vehicle Storage Improvements	CPF			\$400K	

*Revenue of \$1.0M Grant Funding and 5% Homeowner Contribution included, to be reevaluated based on award



EQUIPMENT REPLACEMENT FUND

Equipment Replacement Fund

- Newly established in FY21.
- An internal service fund intended to accumulate funds for major Village equipment and vehicle replacements as the assets age, rather than when they have reached the end of their service life.
- Begin funding estimated replacement cost over projected service life in year after purchase.
- Ensures funds are available when vehicles require replacement.
- Lower-cost alternative to capital lease financing.
- Smooths annual operating costs. Fewer budgetary “peaks and valleys”.
- Transfers from General and Water & Sewer Fund reserves to fund current fleet depreciated value to provide “seed” funds.



STATE AND FEDERAL ASSET SEIZURE FUNDS

State and Federal Asset Seizure Funds

- Newly established in FY20.
- Accounts for receipt and disposition of State and Federal asset forfeitures in cases where CSPD provides assistance.
- Activities formerly accounted for within General Fund, now separated into distinct funds for improved transparency and State and Federal compliance reporting.
- Funds must be spent on authorized law enforcement purposes and are in addition to regular law enforcement budget.

State Asset Seizure FY21 budget - \$108,350

Federal Asset Seizure FY21 budget - \$5,500



Next Steps

- **Friday, March 27, 2020**
 - Distribution of Draft FY20/21 Budget and availability for public review in Clerk's Office, on Village Web Site and at Library.
- **Monday, April 6, 2020**
 - 7:30 pm Regular Village Board Meeting
 - **Budget Public Hearing**
 - **Budget Adoption**