

# Debt Service and Capital Planning

---

Section 6

## In This Section

Capital Improvement Plan (CIP).....	See separate 2019-2024 Capital Improvement Plan
Debt Service .....	6-1
Calculation of Total Net Indebtedness .....	6-4
Constitutional Debt Limit and Debt Margin .....	6-5
2019 Debt Service Summary - All Funds .....	6-6
2019 Debt Service Summary - Countywide Debt Service.....	6-7
2019 Debt Service Summary - Special Districts .....	6-8
Indebtedness Authorized and Unissued .....	6-9
Serial Bonds.....	6-10
Serial Bonds by Department.....	6-11
Capital Planning .....	6-17
Proposed Projects - Six Year Summary of Estimated Expenses .....	6-20
Proposed Projects- Source of Funds 2019-2024 .....	6-22
Proposed Projects- Summary of 2019 Estimated Expenses .....	6-23
Proposed Capital Improvement Projects for 2019 .....	6-25

## Debt Service

Several methods are available to finance capital improvement projects and other authorized activities. Onondaga County, like most governmental units, borrows money in order to acquire land and equipment, construct buildings, and make renovations and improvements. The cost of these capital projects are normally financed by the issuance of debt obligations which are then repaid over several years along with the interest incurred on the borrowings. An amount is included in the County's annual operating budget to make these payments, which is defined as "debt service". This policy enables the cost of these capital assets to be borne by the present and future taxpayers receiving the benefit of the capital assets or improvements.

The use of debt, usually through the issuance of bonds, to finance capital projects has several advantages. Primarily, it allows the County to obtain for current use a capital facility that would go beyond its capacity to finance on a pay-as-you-go basis. In addition, the flexibility associated with the repayment of bonds allows the County to smooth out its expenditure pattern over a period of several years. The structure of the principal payments cumulatively effects both interest payments and subsequently the County's operating budget.

In general, the State Legislature has granted the power and defined the procedure for the County to borrow by the enactment of the Local Finance Law. Pursuant to the Local Finance Law, its Charter and the County Law, the County authorizes the issuance of bonds by the adoption of a bond resolution, which must be approved by at least two-thirds of the members of the County Legislature. Through the bond resolutions, the County Legislature delegates to the Chief Fiscal Officer the power to authorize and sell bond anticipation notes in anticipation of authorized bonds.

Each bond resolution authorizes the construction, acquisition or installation of the object or purpose to be financed, the plan of financing, the amount of money being borrowed, and the Period of Probable Usefulness (PPU), which ties in with the maximum maturity of the bonds subject to legal restrictions. Within these bonding requirements, the County has considerable flexibility in its borrowing program and can issue two basic forms of debt instruments: Serial Bonds (Bonds) and Bond Anticipation Notes (BANs). BANs, due to their short term (12 months or less), are used to facilitate borrowing for projects that have a PPU of 5 years or less, or are relatively small in amount or otherwise inappropriate for long-term borrowing.

In addition, BANs allow the County the option of conversion to Serial Bonds when interest rates are most beneficial for long-term debt. Statutory law in New York permits BANs to be renewed each year provided annual principal installments are made prior to the second renewal, if the principal is not paid off after the fourth renewal (5 years from the original date of borrowing), the BAN must be converted to a Serial Bond. There is an exception to the 4-time renewal limitation on BANs for Special District Borrowing for Water Environment Protection and Water. BANs may be renewed indefinitely for Special Districts as long as they do not violate the assigned PPU.

The Local Finance Law contains provisions providing the County with power to issue certain other short-term general obligation indebtedness, including revenue and tax anticipation notes and budget and capital notes. Onondaga County has not used any of these short-term borrowing options since 1992.

### Bond Advisors

Bond counsel and our financial advisors play an important role in the bond issuing process. They can be influential in reducing borrowing costs by advising the issuing government on how best to structure the issue and when best to go to market. They assist us in the preparation of the County's Official Statement,

insuring that it meets the legal requirements and includes the information to present the County's financial status and economic activities and comparisons.

They assist us in the application for bond ratings, which provide investors with a symbol of credit quality that is easily recognized. Through careful fiscal planning and sound financial management, Onondaga County received the following ratings in 2017: AAA by Fitch, AA+ by S&P and Aa2 by Moody's.

### **Market Factors Affecting Bonds**

The market for Bonds and Notes could be affected by a variety of factors, some of which are beyond the County's control. There can be no assurance that adverse events at the state level will not occur which might affect the market price of outstanding Bonds and Notes and the market for additional debt. If a significant default or other financial crisis should occur in the affairs of the federal or state government or of any of its agencies or political subdivisions, it could impair the acceptability of obligations issued and bond ratings of borrowers, such as Onondaga County.

The traditional market for our debt has changed over the years, from primarily banks and individual investors, to the major brokerage houses and fund investors. The County looks to market conditions when scheduling its bond sale to optimize savings to the taxpayers.

### **Debt Management Planning**

Onondaga County's debt management planning covers all debt issued by the County including debt wholly supported by special district fund revenues. The County's comprehensive approach to debt management includes: administrative review, emphasis on pay-as-you-go within defined limits, adherence to multiple policies established by the legislature, adherence to local finance law, and comprehensive use of bond counsel and financial advisors.

The County has been proactive in making debt management a priority. In 2009, the County took advantage of the available incentives and issued Build America Bonds (BAB's) and Recovery Zone Bonds (RZ's) totaling \$22.4 million. Over the 16 year life of the BAB's the County expected to realize the Federal Government's 35% interest subsidy of \$3.7 million and for the 20 years of the RZ's, a 45% subsidy totaling over \$2.3 million. The Federal Government's sequestration has eliminated a percentage of the annual subsidy beginning in March 2013 extending through September 20, 2023.

As part of the 2008 budget process, the County amended its 1999 resolution that established the 10% fund balance goal. The calculation for General Fund revenues was formally adjusted to reflect the 2006 NYS accounting change for sales tax passed-through to other municipalities. Since the County ended 2006 with its fund balance at 12.9% of General Fund revenues, the 2008 budget allocated \$8 million to fund projects for which the County had not yet borrowed. That provided approximately 15 years of \$750,000 annual tax relief.

The County actively monitors its outstanding debt, reviewing candidates for refunding. Taking advantage of the lowest interest-rate environment in forty years, the County over the past four years has refunded multiple debt issuances which include: approximately \$19.6 million of its bonds in June 2014 saving \$1.2 million, \$11.3 million in June 2015 saving an additional \$864 thousand through 2027, \$33.88 million in November 2016 saving \$3.75 million through 2030 and \$36 million in October 2017 saving an additional \$3.39 million through 2033.

The County has established the following policies to guide its management of debt (calculations based on 2019 Budget):

1. Debt service costs paid through the General Fund will not exceed 5.5% of total General Fund revenue. For 2019, debt service costs are 4.33% of revenues.
2. The County's total net direct indebtedness will not exceed \$700 per capita or 1.5% of the full valuation of taxable property in the County.
3. Net general fund indebtedness is \$561 per capita and 0.993% of the County's full valuation. (Population source is 2010 U. S. Census Bureau)
4. Rapid pay down of debt will continue as a goal of the County's debt management policies, with a target of 65% of outstanding principal scheduled for retirement within 10 years. This goal may be modified to reflect changes in the interest rate environment, which may argue for shorter or longer retirement terms. Currently, 78% of the County's outstanding general fund debt is scheduled to be retired within 10 years.

In addition, the following capital planning and debt management strategies will continue:

Where possible, capital expenditures will be funded through pay-as-you-go programs and alternative financing mechanisms, such as state loan programs and as federal pilot projects;

Reviewing operating cost and revenue implications for all proposed capital projects as a part of the annual 60 year capital improvement planning process;

Maintaining an inventory of capital assets and developing plans to reduce maintenance costs and extend the useful life of the County's infrastructure, including the development and implementation of preventive maintenance programs.

### **Debt Management - Department of Water Environment Protection**

The County has taken advantage of zero-interest short-term notes and subsidized-interest loans with the NYS Environmental Facilities Corp., as well as Federal and State grants. This is especially true for the Onondaga Lake cleanup projects.

### **Debt Limits**

Local Finance Law prohibits the County from issuing debt in excess of the Debt Limit. The Debt Limit is 7% of the 5 year average full valuation of Taxable Real Property within the County. Total Net Indebtedness is calculated by adding the County's short and long-term debt and subtracting the legal exclusions. As of September 12, 2018 the County will have exhausted 18.31% of its Debt-Contracting Power, an increase from the 15.5% in 2000. Despite the issuance of new debt the percentage of Debt-Contracting Power has increased marginally due to the use of tobacco bond revenues to defease \$115M of General Fund debt (2001 & 2005). The following table is the calculation of Total Net Indebtedness:

## Calculation of Total Net Indebtedness (As of September 12, 2018)

5 Year Average Full Valuation of Taxable Real Property		\$26,379,276,277
Debt Limit (7% of 5 year average)		\$1,846,549,339
Outstanding Indebtedness:		
Bonds	\$ 653,104,177	
Bond Anticipation Notes	\$ 1,874,974	
Outstanding Gross Indebtedness	\$ 654,979,151	
Less Exclusions	\$ (316,840,283)	
Total Net Indebtedness		\$338,138,868
Net Debt-Contracting Margin		\$1,508,410,471
Percentage of Debt-Contracting Power Exhausted		18.31% <sup>1</sup>

<sup>1</sup> The Debt Limit of the County is computed in accordance with the provisions of Article VIII of the State Constitution and Title 9 of Article 2 of the Local Finance Law

Note: Calculation of Total Net Indebtedness includes bonds to be issued in 2018

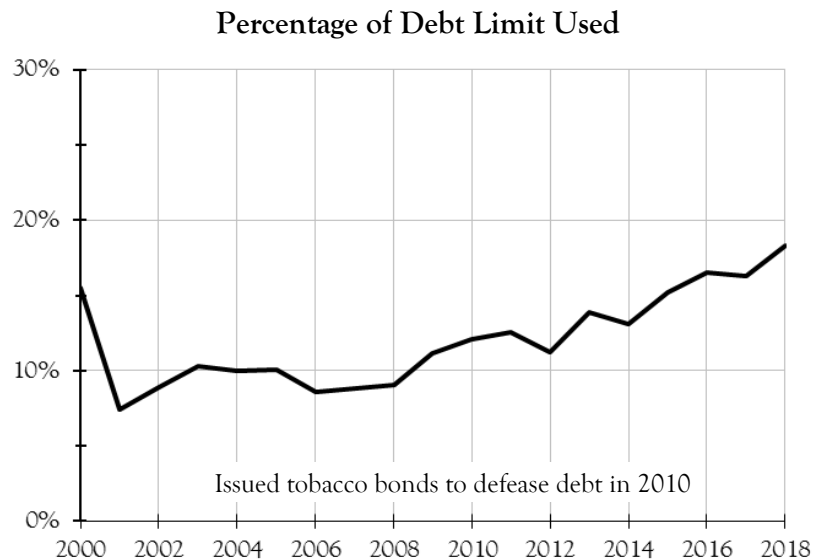
## Debt Limit and Debt Margin

Onondaga County's use of its constitutional debt limit declined dramatically in 2001 when it defeased \$95M of general fund debt, using proceeds from tobacco revenue bonds. A second tobacco bond sale in 2005 enabled an additional \$20M in debt to be defeased. The current percentage of debt contracting power that has been exhausted is 18.31%, which is a marginal increase over the 15.5% in 2000, and slight increase in comparison to an average of 17.8% for the years 1994 - 2000. The debt margin is more than 5 times the total net indebtedness and provides ample flexibility to continue to meet the capital needs of the County.

### 2018 Debt Limit and Debt Margin (as of September 12, 2018)

Debt Limit	\$1,846,549,339
Total Net Indebtedness	\$338,138,868
Debt Margin	\$1,508,410,471
Percentage of Debt Limit Used	18.31%

**Note:** The constitutional debt margin is the amount of additional debt, which a municipality may legally assume at a particular time and is calculated by subtracting the total net indebtedness from the debt limit. The debt limit is equal to 7% of the 5 year full value of taxable real property while the total net indebtedness equals total outstanding debt minus approved exclusions.



## Debt Service Summary - All Funds

2019

	Countywide Tax Levy	Van Duyn	Water/Ad Valorem Tax	WEP/Unit Charge	Total
General Oblig. Principal	24,437,595	425,145	1,624,095	6,518,166	33,005,001
General Oblig. Interest	9,838,382	79,820	1,260,346	3,605,405	14,783,953
NYS EFC* Principal	0	0	0	13,961,229	13,961,229
NYS EFC* Interest	0	0	0	4,123,074	4,123,074
Estimated EFC* Principal	0	0	0	0	0
Estimated EFC* Interest	0	0	0	400,000	400,000
Fiscal Agent Fees	40,530	0	0	611,925	652,455
<b>Debt Service Totals</b>	<b>34,316,507</b>	<b>504,965</b>	<b>2,884,441</b>	<b>29,219,799</b>	<b>66,925,712</b>
RBD/Subsidy/Other**	5,935,095	504,965	136,524	2,484,700	9,061,428
Charges to Operating Fund	28,381,412	0	2,747,917	26,735,099	57,864,428

Note: WEP - Water Environment Protection (Consolidated Sanitary District and Drainage Districts)

\*EFC - Environmental Facilities Corporation, a New York State agency financing environmental projects.

\*\*Includes subsidies for BAB & RZ Bonds & Oneida Exclusivity

Note: Debt Service Summary includes estimated interest for 2019 from bonds to be issued in 2018



**Debt Service Summary - Countywide Debt Service  
2019**

Department/Fund	General Obligation		Fiscal Agent Fees	Debt Service Totals	RBD/ Fed Subsidy Other Sources	Charge to Operating Fund
	Principal	Interest				
Office of Environment	185,000	23,825	0	208,825	23,825	185,000
Board of Elections	48,019	4,510	0	52,529	0	52,529
Community College	2,508,600	1,293,892	0	3,802,492	284,665	3,517,827
OnCenter Complex	865,956	458,758	40,000	1,364,714	89,326	1,275,388
Information Technology	1,443,171	228,316	0	1,671,487	35,263	1,636,224
Facilities	3,599,219	1,424,558	530	5,054,307	432,873	4,591,434
County Clerk	0	10,010	0	10,010	10,010	0
Correction	100,081	68,084	0	168,165	9,037	159,128
Sheriff/Jail	0	0	0	0	0	0
Children & Family Services	311,022	119,177	0	430,199	2,781	427,418
Parks & Recreation	2,861,621	2,580,532	0	5,442,153	3,199,908	2,242,245
Library	610,235	211,222	0	821,457	495,775	325,682
Transportation	8,094,035	3,022,606	0	11,116,641	1,279,616	9,837,025
Emergency Services	3,810,636	392,891	0	4,203,527	72,015	4,131,512
<b>TOTALS</b>	<b>24,437,595</b>	<b>9,838,381</b>	<b>40,530</b>	<b>34,316,506</b>	<b>5,935,094</b>	<b>28,381,412</b>

Note: Debt Service Summary includes estimated interest for 2019 from bonds to be issued in 2018

## Debt Service Summary - Special Districts

2019

	Van Duyn <sup>1</sup>	Water District	Consol. San Dist	Meadow brook DD	Bear Trap DD	Bloody Brook DD	Harbor Brook DD	Total
General Oblig. Principal	425,145	1,624,095	5,912,829	382,337	19,000	67,000	137,000	8,567,406
General Oblig. Interest	79,820	1,260,346	3,492,932	68,252	13,810	19,666	10,745	4,945,571
NYS EFC* Principal	0	0	13,961,229	0	0	0	0	13,961,229
NYS EFC* Interest	0	0	4,123,074	0	0	0	0	4,123,074
Estimated EFC* Principal	0	0	0	0	0	0	0	0
Estimated EFC* Interest	0	0	400,000	0	0	0	0	400,000
Fiscal Agent Fees	0	0	611,925	0	0	0	0	611,925
Debt Service Totals	504,965	2,884,441	28,501,989	450,589	32,810	86,666	147,745	32,609,205
RBD/Fed <sup>2</sup> Subsidy/ Other	504,965	136,524	2,484,700	0	0	0	0	3,126,189
<b>Charges to Operating Fund</b>	<b>0</b>	<b>2,747,917</b>	<b>26,017,289</b>	<b>450,589</b>	<b>32,810</b>	<b>86,666</b>	<b>147,745</b>	<b>29,483,016</b>

<sup>1</sup> Van Duyn debt will be paid with proceeds of Van Duyn's sale

<sup>2</sup> Includes Reserves for Bonded Debt, and BAB & RZ Subsidies

Note: Debt Service Summary includes estimated interest for 2019 from bonds to be issued in 2018

**County Indebtedness**  
**Authorized and Unissued**

As of September 12, 2018

<b>Department</b>	<b>Authorized and Unissued</b>
Office of Environment	1,500,000
Facilities	4,761,583
Parks & Recreation	1,343,227
County Clerk	240,000
Children and Family Services	5,294,500
Transportation	19,374,500
Emergency Services	1,121,042
Sheriff	100,000
Community College	2,000,205
Water Environment Protection	116,396,397
Metro Water Board	16,748,600
Van Duyn	1,981,410
<b>Total</b>	<b>170,861,464</b>

Note: County Authorized and Unissued excludes bonds to be issued in 2018

## Serial Bonds 2019 Debt Service

Title of Bond	Final Maturity	Interest Rate*	Amount Issued	Initial Interest	2019 Principal	2019 Interest	Balance (P) 12/31/2019
N.Y.S. E.F.C. Bonds 2000*	2020	3.00%	1,383,178	881,653	80,000	2,250	80,000
N.Y.S. E.F.C. Bonds 2001A*	2020	3.00%	9,078,380	4,562,877	525,000	19,669	535,000
N.Y.S. E.F.C. Bonds 2001B*	2021	2.31%	2,195,433	1,108,934	120,000	4,954	245,000
N.Y.S. E.F.C. Bonds 2002A*	2021	4.52%	1,980,745	1,980,745	106,180	1,853	221,768
N.Y.S. E.F.C. Bonds 2002G*	2028	1.31%	14,681,217	5,432,687	655,000	112,311	5,115,000
N.Y.S. E.F.C. Bonds 2003A*	2022	4.31%	1,128,465	1,583,722	60,000	160	180,000
N.Y.S. E.F.C. Bonds 2003F*	2023	3.82%	4,657,961	1,868,010	260,000	14,278	1,070,000
N.Y.S. E.F.C. Bonds 2004D*	2024	4.49%	9,579,475	4,760,948	515,000	40,200	2,730,000
N.Y.S. E.F.C. Bonds 2005A*	2024	3.89%	17,469,284	7,080,442	955,000	37,463	5,040,000
N.Y.S. E.F.C. Bonds 2005B*	2025	3.69%	5,495,439	2,218,182	295,000	40,551	1,875,000
N.Y.S. E.F.C. Bonds 2006C*	2036	4.96%	44,610,657	44,610,657	1,470,000	474,643	27,110,000
N.Y.S. E.F.C. Bonds 2007D*	2036	4.18%	41,442,558	26,106,369	1,640,000	384,215	22,850,000
N.Y.S. E.F.C. Bonds 2008A&B*	2028	4.27%	1,645,373	801,562	80,000	19,215	820,000
General Obligation Bonds 2009A	2029	3.74%	61,725,000	13,881,162	4,925,000	98,500	0
GO Refund Bonds 2009	2023	2.40%	33,345,000	8,234,590	1,985,000	204,331	4,860,000
N.Y.S. E.F.C. Bonds 2010C*	2030	2.41%	2,972,800	1,150,144	135,000	34,122	1,705,000
General Obligation Bonds 2010A	2019	2.09%	31,150,000	7,611,076	3,000,000	75,000	0
GO Bonds 2010B (BAB's)	2026	4.76%	17,570,000	10,532,039	0	828,405	17,570,000
GO Bonds 2010B (RZ's)	2030	5.71%	4,905,000	7,021,077	0	282,351	4,905,000
N.Y.S. E.F.C. Bonds 2011C*	2031	1.75%	15,603,494	6,787,783	745,000	197,099	10,160,000
General Obligation Bonds 2011	2030	3.01%	33,755,000	11,688,907	2,525,000	50,500	0
N.Y.S. E.F.C. Bonds 2012B*	2034	1.02%	11,395,171	4,410,561	485,000	134,757	8,620,000
General Obligation Bonds 2012	2037	2.70%	51,425,000	17,994,687	3,200,000	1,225,875	32,150,000
GO Refund Bonds 2012	2025	2.51%	20,615,000	3,844,196	1,385,000	220,188	4,540,000
N.Y.S. E.F.C. Bonds 2012E*	2032	0.78%	4,100,953	1,238,401	185,000	40,943	2,860,000
General Obligation Bonds 2013	2033	3.17%	67,870,000	30,461,070	3,800,000	500,000	8,100,000
N.Y.S. E.F.C. Bonds 2014B*	2044	0.62%	128,800,968	79,460,686	3,690,000	1,973,577	110,985,000
General Obligation Bonds 2014	2034	2.63%	34,800,000	12,060,823	2,850,000	1,026,188	23,750,000
GO Refund Bonds 2014	2036	2.19%	19,600,000	5,951,257	2,175,000	639,500	12,340,000
General Obligation Bonds 2015	2045	3.43%	79,900,000	46,215,073	2,500,000	2,875,331	72,605,000
GO Refund Bonds 2015	2027	2.22%	11,370,000	3,592,519	1,275,000	416,700	8,790,000
QECB 2015	2025	3.50%	2,650,000	1,041,161	265,000	104,145	1,590,000
General Obligation Bonds 2016	2036	2.08%	26,500,000	7,770,442	1,965,000	814,606	22,615,000
GO Refund Bonds 2016	2030	1.72%	35,885,000	10,716,026	5,001	1,543,644	35,550,000
N.Y.S. E.F.C. Bonds 2016B*	2037	2.48%	3,886,715	524,856	155,000	36,529	3,415,000
General Obligation Bonds 2017	2037	2.76%	21,780,000	8,219,576	1,145,000	852,925	20,635,000
GO Refund Bonds 2017	2033	2.21%	33,835,000	14,601,419	5,000	1,580,987	33,220,000
N.Y.S. E.F.C. Bonds 2017C*	2038	3.64%	46,040,049	15,439,426	1,805,049	554,285	42,475,000
General Obligation Bonds 2018	2038	2.75%	51,960,000	15,232,562	0	1,444,777	51,960,000
<b>TOTAL:</b>			<b>1,008,788,315</b>	<b>448,678,307</b>	<b>46,966,230</b>	<b>18,907,027</b>	<b>603,271,768</b>

\*Interest Rates for General Obligation Bonds are based on the True Interest Costs, while rates for EFC Loans are based on the budget year coupon per maturity

## Serial Bonds 2019 Debt Service by Department

	No.	Year Issued	Final Maturity	Interest Rate	2019 Serial Bond Payments		
					Principal	Interest	Total
<b>Office of Environment</b>							
General Obligation Bonds	830	2016	2036	2.08%	185,000	23,825	208,825
<b>Total: Office of Environment</b>					<b>185,000</b>	<b>23,825</b>	<b>208,825</b>
<b>Board of Elections</b>							
General Obligation Bonds	770	2011	2030	5.00%	48,000	960	48,960
General Obligation Refunding Bonds	831	2016	2030	1.00%	19	3,550	3,569
<b>Total: Board of Elections</b>					<b>48,019</b>	<b>4,510</b>	<b>52,529</b>
<b>County Clerk</b>							
General Obligation Bonds	850	2018	2038	2.75%	0	10,010	10,010
<b>Total: Office of Environment</b>					<b>0</b>	<b>10,010</b>	<b>10,010</b>
<b>Onondaga Community College</b>							
General Obligation Bonds, Series A	740	2009	2029	3.74%	295,000	5,900	300,900
General Obligation Bonds, Series A	760	2010	2019	2.09%	340,000	8,500	348,500
GO Bonds, Series B (Bab's)	761	2010	2026	4.76%	0	134,344	134,344
GO Bonds, Series B (Rz's)	762	2010	2030	5.71%	0	107,924	107,924
General Obligation Bonds	770	2011	2030	3.01%	360,000	7,200	367,200
General Obligation Bonds	780	2012	2030	2.70%	75,000	33,900	108,900
General Obligation Refunding Bonds	790	2012	2025	2.51%	147,000	43,638	190,638
General Obligation Bonds	800	2013	2033	3.17%	445,000	58,375	503,375
General Obligation Bonds	810	2014	2034	2.63%	81,000	32,425	113,425
General Obligation Refunding Bonds	811	2014	2026	2.19%	221,400	88,482	309,882
General Obligation Bonds	820	2015	2045	3.43%	1,900	1,594	3,494
General Obligation Refunding Bonds	821	2015	2027	2.22%	283,333	89,392	372,725
General Obligation Bonds	830	2016	2036	2.08%	219,000	149,276	368,276
General Obligation Refunding Bonds	831	2016	2033	1.72%	382	316,020	316,402
General Obligation Bonds	840	2017	2037	2.76%	39,000	37,615	76,615
General Obligation Refunding Bonds	841	2017	2033	2.21%	585	157,064	157,649
General Obligation Bonds	850	2018	2038	2.75%	0	22,244	22,244
<b>Total: Community College</b>					<b>2,508,600</b>	<b>1,293,892</b>	<b>3,802,492</b>
<b>Correction</b>							
General Obligation Bonds, Series A	740	2009	2029	3.74%	100,000	2,000	102,000
General Obligation Refunding Bonds	831	2016	2030	1.00%	81	57,047	57,128
General Obligation Bonds	850	2018	2038	2.75%	0	9,037	9,037
<b>Total: Corrections</b>					<b>100,081</b>	<b>68,084</b>	<b>168,165</b>

## Serial Bonds 2019 Debt Service by Department

	No.	Year	Final	Interest	2019 Serial Bond Payments		
		Issued	Maturity	Rate	Principal	Interest	Total
<b>OnCenter Complex</b>							
General Obligation Bonds, Series A	740	2009	2029	3.74%	449,000	8,980	457,980
General Obligation Bonds, Series A	760	2010	2019	2.09%	145,000	3,625	148,625
GO Bonds, Series B (Bab's)	761	2010	2026	4.76%	0	52,535	52,535
GO Bonds, Series B (Rz's)	762	2010	2030	5.71%	0	39,143	39,143
General Obligation Bonds	770	2011	2030	3.01%	50,000	1,000	51,000
General Obligation Bonds	780	2012	2024	2.70%	18,000	5,780	23,780
General Obligation Refunding Bonds	790	2012	2024	2.51%	49,000	13,270	62,270
General Obligation Bonds	800	2013	2033	3.17%	55,000	6,875	61,875
General Obligation Bonds	820	2015	2045	3.43%	21,500	17,828	39,328
General Obligation Bonds	830	2016	2036	2.08%	78,000	53,325	131,325
General Obligation Refunding Bonds	831	2016	2030	0.00%	384	228,093	228,477
General Obligation Refunding Bonds	841	2017	2033	2.21%	72	28,305	28,377
<b>Total: OnCenter Complex</b>					<b>865,956</b>	<b>458,758</b>	<b>1,324,714</b>
<b>Information Technology</b>							
General Obligation Bonds	770	2011	2030	3.01%	450,000	9,000	459,000
General Obligation Bonds	780	2012	2021	2.70%	575,000	69,000	644,000
General Obligation Bonds	800	2013	2033	3.17%	375,000	53,875	428,875
General Obligation Bonds	820	2015	2045	3.43%	42,500	35,263	77,763
General Obligation Refunding Bonds	831	2016	2030	0.00%	178	35,296	35,474
General Obligation Refunding Bonds	841	2017	2033	2.21%	493	25,881	26,374
<b>Total: Information Technology</b>					<b>1,443,171</b>	<b>228,316</b>	<b>1,671,487</b>
<b>Facilities Management</b>							
General Obligation Bonds, Series A	740	2009	2029	3.74%	181,000	3,620	184,620
General Obligation Refunding Bonds	750	2009	2023	2.40%	1,617,000	186,001	1,803,001
General Obligation Bonds	780	2012	2032	2.70%	355,000	193,850	548,850
General Obligation Refunding Bonds	790	2012	2025	2.51%	243,000	28,743	271,743
General Obligation Bonds	800	2013	2033	3.17%	200,000	29,000	229,000
General Obligation Bonds	810	2014	2034	2.63%	320,000	237,063	557,063
General Obligation Refunding Bonds	811	2014	2026	2.19%	164,900	58,925	223,825
General Obligation Bonds	820	2015	2045	3.43%	69,100	55,939	125,039
General Obligation Refunding Bonds	821	2015	2027	2.22%	113,333	37,143	150,476
QECCB	822	2015	2025	3.50%	265,000	104,145	369,145
General Obligation Refunding Bonds	831	2016	2030	0.00%	147	56,111	56,258
General Obligation Bonds	840	2017	2037	0.00%	70,476	69,882	140,358
General Obligation Refunding Bonds	841	2017	2033	2.21%	263	57,083	57,346
General Obligation Bonds	850	2018	2038	2.75%	0	307,052	307,052

## Serial Bonds 2019 Debt Service by Department

	No.	Year Issued	Final Maturity	Interest Rate	2019 Serial Bond Payments		
					Principal	Interest	Total
<b>Total: Facilities</b>					<b>3,599,219</b>	<b>1,424,558</b>	<b>5,053,777</b>
<b>Children and Family Services</b>							
General Obligation Refunding Bonds	811	2014	2026	2.19%	263,800	96,607	360,407
General Obligation Refunding Bonds	821	2015	2027	2.22%	47,222	19,789	67,011
General Obligation Bonds	850	2018	2038	2.75%	0	2,781	2,781
<b>Total: Children and Family Services</b>					<b>311,022</b>	<b>119,177</b>	<b>430,199</b>
<b>Parks &amp; Recreation</b>							
General Obligation Bonds, Series A	740	2009	2029	3.74%	80,000	1,600	81,600
General Obligation Bonds, Series A	760	2010	2019	2.09%	325,000	8,125	333,125
GO Bonds, Series B (Bab's)	761	2010	2026	4.76%	0	93,669	93,669
GO Bonds, Series B (Rz's)	762	2010	2030	5.71%	0	41,445	41,445
General Obligation Bonds	770	2011	2030	3.01%	375,000	7,500	382,500
General Obligation Bonds	780	2012	2027	2.70%	246,000	89,000	335,000
General Obligation Bonds	800	2013	2033	3.17%	310,000	42,250	352,250
General Obligation Bonds	810	2014	2034	2.63%	130,000	55,800	185,800
General Obligation Bonds	820	2015	2045	3.43%	1,195,000	1,791,088	2,986,088
General Obligation Bonds	830	2016	2036	2.08%	158,000	108,090	266,090
General Obligation Refunding Bonds	831	2016	2030	0.00%	213	77,389	77,602
General Obligation Bonds	840	2017	2037	0.00%	42,000	29,630	71,630
General Obligation Refunding Bonds	841	2017	2033	2.21%	408	109,976	110,384
General Obligation Bonds	850	2018	2038	2.75%	0	124,971	124,971
<b>Total: Parks &amp; Recreation</b>					<b>2,861,621</b>	<b>2,580,532</b>	<b>5,442,153</b>
<b>Library</b>							
General Obligation Bonds	770	2011	2030	3.01%	30,000	600	30,600
General Obligation Bonds	780	2012	2020	2.70%	305,000	21,350	326,350
General Obligation Bonds	800	2013	2033	2.17%	170,000	19,750	189,750
General Obligation Bonds	820	2015	2045	3.43%	105,000	89,231	194,231
General Obligation Refunding Bonds	831	2016	2030	0.00%	12	1,148	1,160
General Obligation Refunding Bonds	841	2017	2033	2.21%	223	79,144	79,367
<b>Total: Library</b>					<b>610,235</b>	<b>211,222</b>	<b>821,457</b>
<b>Transportation (County Road Fund)</b>							
General Obligation Bonds, Series A	740	2009	2029	3.38%	335,000	6,700	341,700
General Obligation Bonds, Series A	760	2010	2019	2.09%	1,500,000	37,500	1,537,500
GO Bonds, Series B (Bab's)	761	2010	2026	4.76%	0	409,430	409,430
GO Bonds, Series B (Rz's)	762	2010	2030	5.71%	0	16,706	16,706

## Serial Bonds 2019 Debt Service by Department

	No.	Year	Final	Interest	2019 Serial Bond Payments		
		Issued	Maturity	Rate	Principal	Interest	Total
General Obligation Bonds	770	2011	2030	3.01%	1,102,000	22,040	1,124,040
General Obligation Bonds	780	2012	2032	2.70%	839,000	305,255	1,144,255
General Obligation Refunding Bonds	790	2012	2024	2.51%	700,000	74,586	774,586
General Obligation Bonds	800	2013	2033	3.17%	595,000	80,875	675,875
General Obligation Bonds	810	2014	2034	2.63%	1,297,000	307,400	1,604,400
General Obligation Refunding Bonds	811	2014	2026	2.19%	518,100	64,347	582,447
General Obligation Bonds	820	2015	2045	3.43%	295,000	243,825	538,825
General Obligation Refunding Bonds	821	2015	2027	2.22%	94,444	13,174	107,618
General Obligation Bonds	830	2016	2036	2.08%	444,000	227,441	671,441
General Obligation Refunding Bonds	831	2016	2030	0.00%	708	325,110	325,818
General Obligation Bonds	840	2017	2037	0.00%	373,000	285,965	658,965
General Obligation Refunding Bonds	841	2017	2033	2.21%	783	230,686	231,469
General Obligation Bonds	850	2018	2038	2.75%	0	371,566	371,566
<b>Total: Transportation</b>					<b>8,094,035</b>	<b>3,022,606</b>	<b>11,116,641</b>
<b>E - 911</b>							
General Obligation Bonds, Series A	740	2009	2029	3.74%	3,050,000	61,000	3,111,000
General Obligation Bonds, Series A	760	2010	2019	2.09%	90,000	2,250	92,250
GO Bonds, Series B (Bab's)	761	2010	2026	4.76%	0	17,325	17,325
General Obligation Bonds	810	2014	2034	2.63%	195,000	4,875	199,875
General Obligation Refunding Bonds	811	2014	2026	2.19%	282,600	30,990	313,590
General Obligation Bonds	820	2015	2045	3.43%	15,000	12,476	27,476
General Obligation Refunding Bonds	821	2015	2027	2.22%	75,556	7,544	83,100
General Obligation Refunding Bond	831	2016	2030	0.00%	2,480	202,956	205,436
General Obligation Bonds	840	2017	2040	0.00%	100,000	45,050	145,050
General Obligation Bonds	850	2018	2038	2.75%	0	8,425	8,425
<b>TOTAL: E - 911</b>					<b>3,810,636</b>	<b>392,891</b>	<b>4,203,527</b>
<b>Van Duyn</b>							
General Obligation Bonds, Series A	760	2010	2019	2.09%	315,000	7,875	322,875
GO Bonds, Series B (Bab's)	761	2010	2026	4.48%	0	14,025	14,025
General Obligation Bonds	800	2013	2033	3.17%	110,000	14,750	124,750
General Obligation Refunding Bonds	841	2017	2033	2.21%	145	11,212	11,357
General Obligation Bonds	850	2018	2038	2.75%	0	31,958	31,958
<b>Total: Van Duyn</b>					<b>425,145</b>	<b>79,820</b>	<b>504,965</b>
<b>Consolidated Sanitary District</b>							
N.Y.S. E.F.C. 2000 Series A Bonds	615	2000	2020	3.00%	80,000	2,250	82,250
N.Y.S. E.F.C. 2001 Series A Bonds	625	2001	2020	3.00%	525,000	19,669	544,669



## Serial Bonds 2019 Debt Service by Department

	No.	Year	Final	Interest	2019 Serial Bond Payments		
		Issued	Maturity	Rate	Principal	Interest	Total
N.Y.S. E.F.C. 2001 Series B Bonds	635	2001	2021	2.31%	120,000	4953.6	124,954
N.Y.S. E.F.C. 2002 Series A Bonds	645	2002	2021	4.52%	106,180	1852.84	108,033
N.Y.S. E.F.C. 2002 Series G Bonds	655	2002	2028	1.31%	655,000	112,311	767,311
N.Y.S. E.F.C. 2003 Series A Bonds	665	2003	2022	4.31%	60,000	160	60,160
N.Y.S. E.F.C. 2003 Series F Bonds	675	2003	2023	3.82%	260,000	14,278	274,278
N.Y.S. E.F.C. 2004 Series D Bonds	685	2004	2024	4.49%	515,000	40,200	555,200
N.Y.S. E.F.C. 2005 Series A Bonds	695	2005	2024	3.89%	955,000	37,463	992,463
N.Y.S. E.F.C. 2005 Series B Bonds	705	2005	2025	3.69%	295,000	40,551	335,551
N.Y.S. E.F.C. 2006 Series C Bonds	715	2006	2036	4.96%	1,470,000	474,643	1,944,643
N.Y.S. E.F.C. 2007 Series D Bonds	725	2007	2036	4.18%	1,640,000	384,214	2,024,214
N.Y.S. E.F.C. 2008 Series A&B Bonds	735	2008	2028	4.27%	80,000	19,215	99,215
General Obligation Bonds, Series A	740	2009	2029	3.74%	430,000	8,600	438,600
N.Y.S. E.F.C. 2010 Series C Bonds	755	2010	2030	2.41%	135,000	34,122	169,122
General Obligation Bonds, Series A	760	2010	2019	2.09%	285,000	7,125	292,125
GO Bonds, Series B (BAB's)	761	2010	2026	4.76%	0	107,078	107,078
GO Bonds, Series B (RZ's)	762	2010	2030	5.71%	0	77,134	77,134
N.Y.S. E.F.C. 2011 Series C Bonds	765	2011	2031	1.75%	745,000	197,099	942,099
General Obligation Bonds	770	2011	2030	3.01%	110,000	2,200	112,200
N.Y.S. E.F.C. 2012 Series B Bonds	775	2012	2034	1.02%	485,000	134,757	619,757
General Obligation Bonds	780	2012	2032	2.70%	500,000	274,950	774,950
General Obligation Refunding Bonds	790	2012	2025	2.51%	154,000	34,764	188,764
N.Y.S. E.F.C. 2012 Series E Bonds	795	2012	2032	0.78%	185,000	40,943	225,943
General Obligation Bonds	800	2013	2033	3.17%	860,000	109,750	969,750
N.Y.S. E.F.C. 2014 Series B Bonds	805	2014	2044	0.62%	3,690,000	1,973,577	5,663,577
General Obligation Bonds	810	2014	2034	2.63%	644,000	264,050	908,050
General Obligation Refunding Bonds	811	2014	2026	2.19%	589,000	244,166	833,166
General Obligation Bonds	820	2015	2045	3.34%	520,000	431,925	951,925
General Obligation Refunding Bonds	821	2015	2027	2.22%	547,779	203,758	751,537
General Obligation Bonds	830	2016	2036	2.08%	835,000	221,005	1,056,005
General Obligation Refunding Bonds	831	2016	2030	0.00%	393	239,297	239,690
N.Y.S. E.F.G 2016 Series B Bonds	815	2016	2037	0.00%	155,000	36,529	191,529
N.Y.S. E.F.G 2017 Series B Bonds	825	2017	2038	3.64%	1,805,049	554,285	2,359,334
General Obligation Bonds	840	2017	2037	0.00%	436,524	304,693	741,217
General Obligation Refunding Bonds	841	2017	2033	2.21%	1,133	461,398	462,531
General Obligation Bonds	850	2018	2038	2.75%	0	501,040	501,040
<b>Total: Consol. Sanitary District</b>					<b>19,874,058</b>	<b>7,616,006</b>	<b>27,490,064</b>

## Serial Bonds 2019 Debt Service by Department

	No.	Year Issued	Final Maturity	Interest Rate	2019 Serial Bond Payments		
					Principal	Interest	Total
<b>Drainage Districts</b>							
General Obligation Bonds, Series A	740	2009	2029	3.74%	5,000	100	5,100
General Obligation Refunding Bonds	750	2009	2023	2.40%	368,000	18,330	386,330
General Obligation Bonds	780	2012	2032	2.99%	14,000	8,915	22,915
General Obligation Refunding Bonds	790	2012	2025	2.51%	92,000	25,186	117,186
General Obligation Refunding Bonds	821	2015	2027	2.22%	113,333	45,900	159,233
General Obligation Refunding Bonds	831	2016	2030	0.00%	4	1,627	1,631
General Obligation Bonds	840	2017	2037	0.00%	13,000	12,415	25,415
<b>Total: Drainage Districts</b>					<b>605,337</b>	<b>112,473</b>	<b>717,810</b>
<b>Water District</b>							
General Obligation Bonds	780	2012	2037	2.70%	273,000	223,875	496,875
General Obligation Bonds	800	2013	2033	3.17%	680,000	84,500	764,500
General Obligation Bonds	810	2014	2034	2.63%	183,000	124,575	307,575
General Obligation Refunding Bonds	811	2014	2026	2.19%	135,200	55,983	191,183
General Obligation Bonds	820	2015	2045	3.34%	235,000	196,163	431,163
General Obligation Bonds	830	2016	2036	2.08%	46,000	31,644	77,644
General Obligation Bonds	840	2016	2037	0.00%	71,000	67,675	138,675
General Obligation Refunding Bonds	841	2017	2033	2.21%	895	420,239	421,134
General Obligation Bonds	850	2018	2038	2.75%	0	55,693	55,693
<b>Total: Water District</b>					<b>1,624,095</b>	<b>1,260,346</b>	<b>2,884,441</b>
<b>Total: All Funds</b>					<b>46,966,230</b>	<b>18,907,027</b>	<b>65,873,257</b>

\* All payments are as scheduled with no subsidies or other offsets applied

Note: Serial Bonds 2019 Debt Service includes estimated interest for 2019 from bonds to be issued in 2018

# Capital Planning

## The Capital Process

The Capital Improvement Plan (CIP) serves as a mechanism for defining and prioritizing capital projects that are necessary to maintain the high standard of living that County residents have come to expect. Throughout the CIP, 3 spending priorities emerge: Infrastructure maintenance, operational efficiency and environmental protection.

Capital planning involves the County Executive, members of the County Legislature, heads of various County departments, and a citizen advisory board in a process that determines capital needs, alternatives, and priorities. The development of the Capital Improvement Plan takes place over several months, beginning in March of each year, and includes 5 major phases:

1. In March, department heads begin preparation of project proposals in accordance with executive guidelines.
2. In May, proposals are submitted to the CIP Coordinator at Department of Facilities Management. The proposals are analyzed by CIP Coordinator in conjunction with County Executive's Office, various departments, the Syracuse-Onondaga County Planning Agency and the Department of Finance. The Law Department is consulted as needed.
3. By September, a tentative CIP is approved by the County Executive and then presented to the Capital Planning Committee (a committee of legislators and representatives from the executive branch of County government)
4. In September, the Tentative Capital Improvement Plan is presented with the County's Annual Operating Budget to the Ways & Means Committee of the County Legislature and then to the full Legislature in October for approval. In the same month the CIP is presented to the County Planning Board (a citizen advisory group).
5. From October to March, research on capital planning and management is conducted, and the prior year's process is revised for improvement.

Coordination and interaction among units of government occurs throughout the process, both formally and informally. The heads of County departments are consulted to discuss questions and recommendations regarding particular projects. Some of the major criteria for evaluating proposals are:

1. Consistency with the stated goals of the County Executive
2. Degree of the overall need for the project
3. Fiscal impact, including the County's capacity to borrow
4. Non-County funding sources
5. Community participation and support

The final product of this process is a 6-year plan to improve those facilities or components of County infrastructure considered necessary to provide or maintain an adequate level of public service.

Approval by the County Legislature is not a commitment to fund every project in the plan, but rather it is an indication of support for the plan as a whole. Projects, which require borrowing, must be presented to the Legislature individually in order to secure authorization to borrow funds.

## **The 2010 Development Guide**

In 1991, the Onondaga County Legislature adopted the 2010 Development Guide to outline county policy with respect to infrastructure, land development, the environment, and fiscal capacity. The Guide was updated with current demographic and economic data, better graphics, and a more concise, understandable format. The updated Guide was approved by the County Legislature on June 1, 1998, and is now the official Onondaga County plan. The County is currently working on an update to the Guide.

New water lines, sewers, and roads have the effect of creating new developable land. The Guide seeks to prevent premature public expenditures, which foster urban sprawl and create unnecessary capital and operating expenses. The Guide stresses the desirability of infill development in areas served by utilities, in order to balance trends toward sprawl with the ability of a static population to pay for infrastructure. Decisions to extend utilities to provide new urban land will be related to economic growth and job creation, as well as the capacity of complementary infrastructure systems to support growth in a particular location.

## **Project Criteria**

As a matter of policy, capital requests are not considered for the Capital Improvement Plan if: 1) the total cost of the project is less than \$250,000; 2) the probable useful life (PPU) is less than 5 years; 3) the request involves the procurement of light or heavy vehicles. These must be funded through the operating budget and are excluded from the Capital Improvement Plan.

## **A Brief Summary**

In addition to projects, which have been authorized by the County Legislature, the 2019-2024 Capital Improvement Plan (CIP) includes 42 County Wide projects and 12 projects in the Sewer Fund. All 54 projects recommended for inclusion in the 6-year plan estimate total spending at \$460,949,000.

Total funds for the recommended County-wide project, for 6 years, are \$222,693,000 of which \$57,350,000 will be pay-as-you-go and \$116,236,000 will be debt. The rest is State and Federal Aid. The Sewer Funds projects are expected to cost \$238,256,000, of which \$49,472,000 will be pay-as-you-go and \$188,784,000 will be debt.

## **Impact on the Operating Budget**

Capital projects can affect the operating budget in several ways. First, when funds are borrowed, annual principal and interest payments to retire the debt must be made. The County's budget to pay scheduled debt payments is presented in the Annual Budget as Debt Service (Debt Service Fund). Additionally, scheduled debt service payments are summarized by department and fund, as well as specified by individual borrowing, in the Debt Service Fund section.

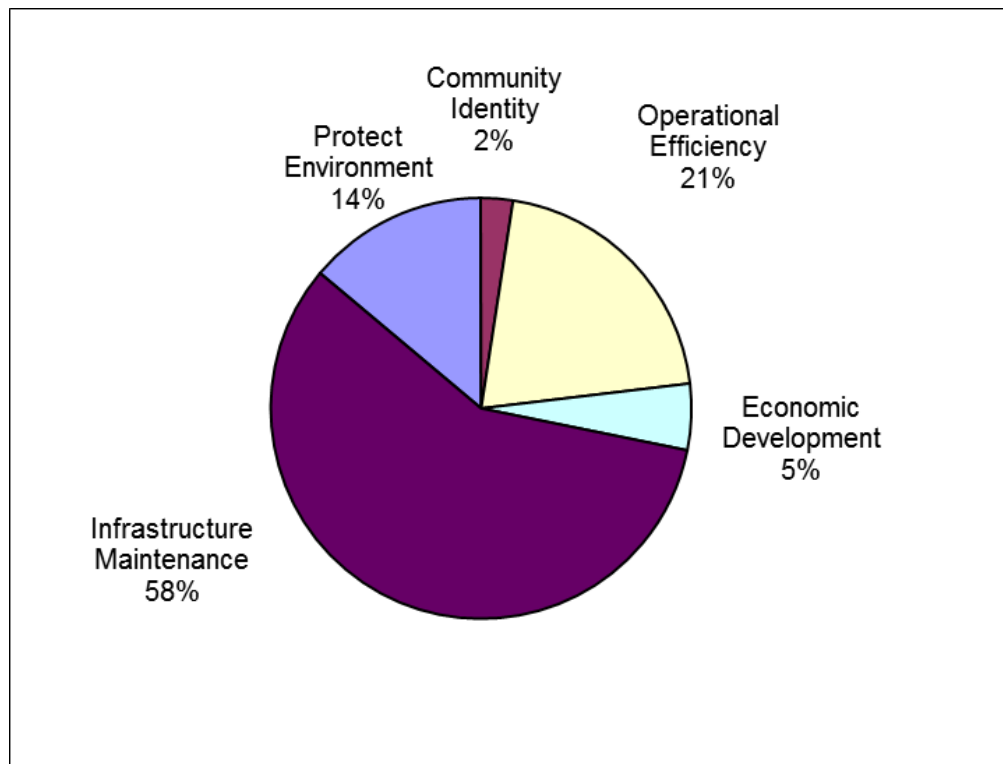
As an alternative to assuming debt, some capital projects are funded on a "pay-as-you-go" basis through departmental operating budgets. Most engineering studies are funded in this manner. Finally, operating costs associated with a project, such as utilities and maintenance, may cause a change in departmental budgets. The impact of these anticipated changes is calculated during the operating budget process as well

as in the review, analysis and decision-making process for each capital project. A very brief summary of those projects anticipated to require funding in 2019 is included in this section. Additionally included are:

1. Estimated 6 year costs for the proposed projects in the CIP
2. The proposed source of funding for those projects
3. Summary of the estimated debt service for:
  - currently scheduled debt
  - debt which has been authorized but not yet issued
  - estimated debt service if all of the proposed projects were to be authorized by the County Legislature

It is important to note that the summary of estimated debt service schedule shows a maximum possible debt obligation through the payoff period.

#### 2019 – 2024 Capital Priorities



**CIP Proposed Projects**  
**Six Year Summary of Estimated Expenses (\$ in 000's)**

Countywide	Status	Project	2019 - 24 Total
<b>General Fund</b>			
DEPARTMENT OF CORRECTIONS			
		Physical Plant Improvements and Security Upgrades	986
			-----
		Subtotal	\$ 986
EMERGENCY COMMUNICATIONS			
		Auxiliary Power Systems Replacement	688
		Computer Aided Dispatch (CAD) System Hardware Refresh	903
		Next Generation 911 (NG-911) Telephone System Replacement/Refresh	3,659
		Oblique Aerial Digital Imagery Refresh (2019)	300
		Public Safety Radio Tower Replacement	265
		Repave E911 Center Parking Lot	344
		Replacement of Mobile Data Communications Network (MDCN) Infrastructure	3,600
		Tower Site Shelter Rehabilitation	1,091
			-----
		Subtotal	\$ 10,850
FACILITIES MANAGEMENT			
		Carnegie Library Rehabilitation	4,101
		Community Plaza Garage	1,350
		Courthouse - HVAC Renovations	10,000
		Facilities Various Capital Improvements	7,500
		LED lighting upgrade in various buildings in downtown campus	535
		Oncenter Rehabilitations	1,500
			-----
		Subtotal	\$ 24,986
INFORMATION TECHNOLOGY			
	<b>new</b>	Technology Refresh (NEW)	1,581
			-----
		Subtotal	\$ 1,581
OFFICE OF ENVIRONMENT			
		Ash Tree Management	4,500
		Beach Development at Onondaga Lake Park	300
			-----
		Subtotal	\$ 4,800
PARKS & RECREATION DEPT.			
		Building an AZA Required Animal Medical Care Center with African Savannah Exhibit	15,050
		Carpenters Brook Fish Hatchery Pond Repair	302
		Lights on the Lake Storage Facility	370
		Long Branch Park Improvements	1,950
		Park Improvements/Willow Bay	2,740
		Park Roads, Parking Areas, and Trail Paving	4,335
	<b>new</b>	Parks Infrastructure Rehabilitation (NEW)	2,627
		Playground Improvements	2,000
		Salt Museum Rehabilitation	310
			-----
		Subtotal	\$ 29,684
SHERIFF POLICE/CIVIL			
		Sheriff's New Headquarters Facility	869
			-----
		Subtotal	\$ 869
		<b>General Fund Total</b>	<b>\$ 73,756</b>

## CIP Proposed Projects

### Six Year Summary of Estimated Expenses (\$ in 000's)

#### Countywide

Status	Project	2019 - 24 Total
<b>Library</b>		
ONONDAGA COUNTY PUBLIC LIBRARY		
	Petit Branch Library addition and improvements	885
		Library Total \$ 885
<b>Community College</b>		
ONONDAGA COMMUNITY COLLEGE		
	Allyn Hall Upgrades and Improvements	2,780
	Elevator Replacement and Upgrades/ Protection of the Campus E-mail and Phone Servers	646
	Infrastructure - Campus Wide	10,488
	Site Improvements	2,718
		Community College Total \$ 16,632
<b>County Road</b>		
TRANSPORTATION		
	Bituminous Surface Treatment	12,068
	Bridges	6,930
	Capital Highway Construction	10,550
	Caughdenoy Road / NYS Route 31 Road Improvements	4,120
	Cold Mix Bituminous Paving	25,022
	Guide Rail	2,940
	Repaving Program (Hot Mix Bituminous)	64,800
	Testing, Drainage and Facilities Repair	3,300
	Traffic Systems Management	1,990
		County Road Total \$ 131,620
		County Wide Total \$ 222,693

#### Special Funds

Department	Status	Project	2019 - 24 Total
<b>Sewer</b>			
WATER ENVIRONMENT PROTECTION			
		Baldwinsville Seneca Knolls WWTP Disinfection and Phase II Asset Renewal Improv	22,924
		Brewerton WWTP Asset Renewal Improvements	12,575
		Camillus Force Main Replacement	6,500
		Energy Efficiency Improvements/Performance Contracting	25,141
		Harbor Brook Miscellaneous Culvert and Channel Improvements	400
		Ley Creek/Liverpool Force Main Rehabilitation/Replacement Project	17,300
	new	Meadowbrook-Limestone WWTP Inflow & Infiltration Abatement (NEW)	9,000
	new	Metropolitan (Metro ) Wastewater Treatment Plant - Thickener Rehabilitation (NEW)	3,730
		Metropolitan (Metro) Wastewater Treatment Plant - Phase II Digester Improvements	27,680
	new	Metropolitan WWTP Biosolids Drying System (NEW)	15,106
		Oak Orchard WWTP Secondary Clarifier Rehabilitation	6,200
		Wastewater Transportation System Improvements	91,700
		Sewer \$ 238,256	
		Special Funds Total \$ 238,256	
		Grand Total \$ 460,949	

## FUNDING SOURCES OF PROPOSED PROJECTS

County Wide	2019	2020	2021	2022	2023	2024	6yr Total
<b>General Fund</b>							
Pay as You Go		1,000	1,000	1,000	1,000	1,000	5,000
Authorized Borrowing	1,069						1,069
Borrowing to be Authorized	17,821	13,975	19,734	7,040	7,126	1,250	66,946
State Aid	300	441					741
SUB TOTALS	\$19,190	\$15,416	\$20,734	\$8,040	\$8,126	\$2,250	\$73,756
<b>County Road</b>							
Pay as You Go	1,500	4,600	8,000	10,800	13,400	16,550	54,850
Borrowing to be Authorized	8,000	11,120	6,000	5,000	4,000	3,000	37,120
Federal Aid	1,800	3,200					5,000
State Aid	5,850	6,240	5,640	5,640	5,640	5,640	34,650
SUB TOTALS	\$17,150	\$25,160	\$19,640	\$21,440	\$23,040	\$25,190	\$131,620
<b>Library</b>							
Borrowing to be Authorized		485					485
State Aid		350					350
Other		50					50
SUB TOTALS		\$885					\$885
<b>Community College</b>							
Borrowing to be Authorized		1,390	1,682	5,244			8,316
State Aid		1,390	1,682	5,244			8,316
SUB TOTALS		\$2,780	\$3,364	\$10,488			\$16,632
County Wide TOTALS	\$36,140	\$44,241	\$43,738	\$39,968	\$31,166	\$27,440	\$222,693
<b>Special Funds</b>							
<b>Drain &amp; San</b>							
Pay as You Go	8,160	8,182	8,200	8,180	8,300	8,450	49,472
Authorized Borrowing	5,283	6,341	1,715	614	100		14,053
Borrowing to be Authorized	17,585	40,243	44,674	34,279	23,850	14,100	174,731
Sewer TOTALS	\$31,028	\$54,766	\$54,589	\$43,073	\$32,250	\$22,550	\$238,256
GRAND TOTAL	\$67,168	\$99,007	\$98,327	\$83,041	\$63,416	\$49,990	\$460,949



**CIP Proposed Projects**  
**Summary of 2019 Estimated Expenses**

<b>Department/Projects</b>	<b>2019 Cost Only (\$ in 000's)</b>
<b>Corrections</b>	
Physical Plant Improvements and Security Upgrades	\$368
<b>Sub Total</b>	<b>\$368</b>
<b>E-911</b>	
Auxiliary Power Systems Replacement	\$688
Computer Aided Dispatch (CAD) System Hardware Refresh	\$903
Oblique Aerial Digital Imagery Refresh	\$300
Public Safety Radio Tower Replacement	\$265
Replacement of Mobile Data Communications Network (MDCN) Infrastructure	\$3,600
<b>Sub Total</b>	<b>\$5,756</b>
<b>Facilities</b>	
Oncenter Rehabilitations	\$750
<b>Sub Total</b>	<b>\$750</b>
<b>I.T.</b>	
Technology Refresh (NEW)	\$500
<b>Sub Total</b>	<b>\$500</b>
<b>Office of Environment</b>	
Ash Tree Management	\$750
Beach Development at Onondaga Lake Park	\$300
<b>Sub Total</b>	<b>\$1,050</b>
<b>Parks</b>	
Build. an AZA Required Animal Med. Care Center with African Savannah Exhibit	\$8,000
Carpenters Brook Fish Hatchery Pond Repair	\$302
Park Roads, Parking Areas, and Trail Paving	\$750
Parks Infrastructure Rehabilitation (NEW)	\$645
<b>Sub Total</b>	<b>\$9,697</b>
<b>Sheriff Police/Civil</b>	

Sheriff's New Headquarters Facility	\$869
<b>Sub Total</b>	<b>\$869</b>

**DOT**

Bituminous Surface Treatment	\$1,100
Bridges	\$1,080
Capital Highway Construction	\$2,250
Cold Mix Bituminous Paving	\$3,170
Guide Rail	\$250
Repaving Program (Hot Mix Bituminous)	\$8,600
Testing, Drainage and Facilities Repair	\$400
Traffic Systems Management	\$300
<b>Sub Total</b>	<b>\$17,150</b>

<b>COUNTY WIDE FUNDS TOTAL</b>	<b>\$36,140</b>
--------------------------------	-----------------

**WEP**

B.Ville Seneca Knolls WWTP Disinfection and Phase II Asset Renewal Improvements	\$505
Brewerton WWTP Asset Renewal Improvements	\$4,670
Camillus Force Main Replacement	\$500
Energy Efficiency Improvements/Performance Contracting	\$2,653
Ley Creek/Liverpool Force Main Rehabilitation/Replacement Project	\$1,000
Meadowbrook-Limestone WWTP Inflow & Infiltration Abatement (NEW)	\$1,000
Metropolitan (Metro) Wastewater Treatment Plant - Thickener Rehabilitation (NEW)	\$1,765
Metropolitan (Metro) Wastewater Treatment Plant - Phase II Digester Improvements	\$9,628
Metropolitan WWTP Biosolids Drying System (NEW)	\$522
Oak Orchard WWTP Secondary Clarifier Rehabilitation	\$625
Wastewater Transportation System Improvements	\$8,160
<b>Sub Total</b>	<b>\$31,028</b>

<b>ALL FUNDS TOTAL</b>	<b>\$67,168</b>
------------------------	-----------------

## Proposed Capital Improvement Projects For 2019

The following is a listing with a very brief description of the capital projects that are anticipated to require funding in 2019. More detail can be found in the County's 2019-2024 Capital Improvement Plan.

### DEPARTMENT OF CORRECTIONS

**Project:** Physical Plant Improvements and Security Upgrades

**Level of Development:** Intermediate

**Project Description:** This project provides for improvement to original structures, building equipment and enhances security around the facility. Building repairs include repair/replacement of kitchen flooring, housing unit entries, programs corridor ceiling replacement, air conditioning in Hsg Units 1, 2 & 3, and the replacement of inmate housing unit entry and cell doors. The kitchen dish washer and the food service delivery carts need to be replaced and a large laundry washing machine needs to be purchased. Security enhancement includes the installation of lighting on facility roadways and an alternative entry and egress from the facility. Grounds and exterior improvements include resurfacing of roadways and parking lots of the facility. The completion of these projects will maintain the safety and security of the facility and the compliance of health and safety standards.

### EMERGENCY SERVICES

**Project:** Auxiliary Power Systems Replacement

**Level of Development:** Intermediate

**Project Description:** Replace end of life auxiliary power systems at the E911 Main Center. This includes the building generator, auxiliary generator control panel, transfer switch, and the uninterruptable power supply.

**Project:** Computer Aided Dispatch (CAD) System Hardware Refresh

**Level of Development:** Advanced

**Project Description:** This project will refresh Computer Aided Dispatch (CAD) workstations and servers located at the main E911 Center and at the Civic Center Backup Operations Center (BOC) that are out of warranty and will be six years old and at the end of their life cycle (originally installed in 2012) as well as continue to try to refresh CAD software every three years in order to keep pace with developments in technology (e.g., Next Generation 911 location addressing, new Micrometry interface, changes in mobile computing) and improvements in functionality

**Project:** Oblique Aerial Digital Imagery Refresh (2019)

**Level of Development:** Advanced

**Project Description:** Refresh oblique aerial digital imagery that was taken during a May 2014 flyover of Onondaga County. Aerial imagery is used by the Department of Emergency Communications to assist in locating emergencies and is also used frequently by the Syracuse-Onondaga County Planning Agency (SOCPA), other county departments, towns, villages and the City of Syracuse.

**Project:** Public Safety Radio Tower Replacement

**Level of Development:** Intermediate

**Project Description:** Replace two critical public safety radio communications towers that will have reached the end of their useful life cycle and do not meet current standards for critical public safety standards.

**Project:** Replacement of Mobile Data Communications Network (MDCN) Infrastructure

**Level of Development:** Preliminary

**Project Description:** This project will replace the 800 MHz mobile data communications infrastructure, including fixed base station equipment at radio tower sites and mobile data radio modems in public safety vehicles. The end of life for the current Mobile Data Communications Network (MCDN) is December of 2017.

## FACILITIES MANAGEMENT

**Project:** OnCenter Rehabilitations

**Level of Development:** Advanced

**Project Description:** We propose to replace, rehabilitate and restore various fatigued, out of date and failing systems and components within the Oncenter Building group. This will include, but will not be limited to, theater enhancements of acoustical treatments, ADA upgrades and appurtenances, building systems modifications, as well as lighting and insulation replacements.

## INFORMATION TECHNOLOGY

**Project:** Technology Refresh (NEW)

**Level of Development:** Advanced

**Project Description:** This project will consist of a technology refresh for Voice, Network, Internet and Data Backup / Restore Services.

## OFFICE OF ENVIRONMENT

**Project:** Ash Tree Management

**Level of Development:** Intermediate

**Project Description:** Emerald Ash Borer (EAB), an invasive species of beetle that kills ash trees, arrived in the U.S. around 2002 and is spreading across the Country. The beetle is already infesting ash trees in Onondaga County. One in nine trees in Onondaga County is an ash tree. Onondaga County has developed and is implementing an Emerald Ash Borer (EAB) management strategy in order to minimize the hazard risk to the community, the impact of EAB on County operations and to plan for and minimize EAB costs (tree removal/inoculation, manpower and equipment, disposal and tree replacement). All County-owned ash trees with potential targets in the drop zone (people or physical assets) will need to be removed or inoculated to protect the public, protect assets and reduce liability.

**Project:** Beach Development at Onondaga Lake Park

**Level of Development:** Preliminary

**Project Description:** The goal of this project is to conduct a feasibility study regarding a beach at Onondaga Lake Park. This study is supported by a state grant. With the cleanliness of Onondaga Lake acceptable to swimming levels, we will study the feasibility options to adding a third beach to the parks system.

## PARKS & RECREATION

**Project:** Building an AZA Required Animal Medical Care Center with African Savannah Exhibit

**Level of Development:** Preliminary

**Project Description:** This project seeks to design and construct a medical care center for animals which would include quarantine areas and medical facilities with the capacity for much larger zoo animals. This project also includes a large hoof-stock savannah exhibit that would be located directly adjacent to the medical facility

**Project:** Carpenters Brook Fish Hatchery Pond Repair

**Level of Development:** Advanced

**Project Description:** This project will provide funding to patch & resurface the current 18 circular and 9 raceway ponds at Carpenters Brook Fish Hatchery. Problem that Exists: The original concrete ponds were constructed in 1934. These ponds have been exposed to over 80 years of harsh environments. The ponds are leaking at a rapid pace making it more difficult to successfully raise fish.

**Project:** Park Roads, Parking Areas, and Trail Paving

**Level of Development:** Advanced

**Project Description:** This project is the ongoing maintaining, resurfacing or new construction of park roads, trails and parking

**Project:** Parks Infrastructure Rehabilitation (NEW)

**Level of Development:** Intermediate

**Project Description:** Much of the Parks Infrastructure is over 20 years old or older and is need of replacement. Some equipment is obsolete and spare parts are unavailable. Buildings are in need of renovations and updating to meet current standards. This project will take a systematic approach to replace old and obsolete equipment and systems at buildings in the Parks Department portfolio.

## SHERIF POLICE/CIVIL

**Project:** Sheriff's New Headquarters Facility

**Level of Development:** Preliminary

**Project Description:** The goal of this project is to conduct a study to consolidate all of the Police and Civil operations into a central facility. The new facility will consolidate several existing facilities including Headquarters (South State Street), the Property and Evidence Facility/Impound Lot (Joy Road), the Special Operations Facility (Cessna Road), the Patrol Substations, and all administrative functions.

## TRANSPORTATION

**Project:** Bituminous Surface Treatment

**Level of Development:** Ongoing

**Project Description:** This project provides for the treatment of County highways with a bituminous surface treatment to prolong the life of the wearing surface.

**Project:** Bridges  
**Level of Development:** Ongoing  
**Project Description:** This program addresses the maintenance and repair of bridges within the County highway system.

**Project:** Capital Highway Construction  
**Level of Development:** Ongoing  
**Project Description:** This project involves construction of major highway improvements.

**Project:** Cold Mix Bituminous Paving  
**Level of Development:** Ongoing  
**Project Description:** This project entails the repaving of the 375 miles of secondary County roads on a rotating basis.

**Project:** Guide Rail  
**Level of Development:** Ongoing  
**Project Description:** This program involves the installation of guide rail at various locations on County highways.

**Project:** Repaving Program (Hot Mix Bituminous)  
**Level of Development:** Ongoing  
**Project Description:** This program provides for the repaving of major, high volume County roads to maintain our investment in the transportation system.

**Project:** Testing, Drainage and Facilities Repair  
**Level of Development:** Ongoing  
**Project Description:** This project provides support programs for the Department of Transportation's Annual Work Plan.

**Project:** Traffic Systems Management  
**Level of Development:** Ongoing  
**Project Description:** This program addresses Traffic System improvements on County highways.

## WATER ENVIRONMENT PROTECTION

**Project:** Baldwinsville Seneca Knolls WWTP Disinfection and Phase II Asset Renewal Improv.  
**Level of Development:** Preliminary  
**Project Description:** The Baldwinsville-Seneca Knolls Wastewater Treatment Plant was issued a renewed SPDES Discharge Permit in June 2014 by the New York State Department of Environmental Conservation (NYSDEC) which included modifications to the effluent total residual chlorine (TRC) limit from 2.0 mg/L to 0.08 mg/L. The new TRC permit limits will become effective beginning May 15, 2018. The WWTP currently has no means to dechlorinate the effluent to meet this limit. Therefore, the County initiated this project to design and construct upgrades to the disinfection system which will enable the new TRC limit to be met. Additionally, the plant is over thirty-five years old. Various small and discrete improvements and repairs have been done to the facility as a means of operational enhancements and infrastructure maintenance. However, there is a contemporary need to implement a robust infrastructure renewal project for many of the treatment

plant's assets so as to ensure continued satisfactory operation and extend its service life. This project is for Phase II asset renewal improvements.

**Project:** Brewerton WWTP Asset Renewal Improvements

**Level of Development:** Advanced

**Project Description:** The Brewerton Wastewater Treatment Plant (WWTP) is over forty years old. There is a contemporary need to implement a robust infrastructure renewal project for many of the treatment plant's assets so as to ensure continued satisfactory operation and extend its service life. This project is for Phase I improvements. Phase II improvements are in the 10-yr CIP window. Final design and construction will be performed for a variety of infrastructure, energy efficiency, and life safety improvements.

**Project:** Camillus Force Main Replacement

**Level of Development:** Preliminary

**Project Description:** Replacement of a 24 inch diameter 7 mile long wastewater pipeline.

**Project:** Energy Efficiency Improvements/Performance Contracting

**Level of Development:** Intermediate

**Project Description:** This project entails working with an energy service company (ESCO, a commercial business providing a broad range of comprehensive energy solutions including designs and implementation of energy savings projects, energy conservation, power generation and energy supply, and risk management) to design and implement various process and infrastructure improvements for energy savings. The project serves to support of the County's effort to pursue sustainability, effect the goals of the County's Climate Action Plan, reduce energy usage, and correspondingly reduce annual operating costs.

**Project:** Ley Creek/Liverpool Force Main Rehabilitation/Replacement Project

**Level of Development:** Preliminary

**Project Description:** Rehabilitation/Replacement of the Ley Creek 42-inch wastewater force main and the Liverpool 18-inch wastewater force main. Both force mains have exceeded the expected service life and have resulted in costly emergency repairs and additional regulatory scrutiny.

**Project:** Meadowbrook-Limestone WWTP Inflow & Infiltration Abatement (NEW)

**Level of Development:** Advanced

**Project Description:** The Meadowbrook-Limestone WWTP received a Notice of Violation for recurring exceedances of SPDES permit limits due to extraneous flows during wet weather events. This project includes sewer lining and repair, manhole repair and rehabilitation, and catch basin disconnection as necessary. Areas of excessive inflow and infiltration were identified in a 2002 Sanitary Sewer Evaluation Survey (SSES), and this was updated in August 2018 by GHD. Updated costs are estimated at \$9 million. The improvements will be located in the Meadowbrook-Limestone service areas of City of Syracuse, Town of Manlius, Town of Dewitt, Village of Manlius and Village of Fayetteville. The infrastructure improvements will be performed by the County and charged to each municipality accordingly through intermunicipal agreements. At this time, WEP is seeking grant funding assistance for NYS EFC to cover 40% of project costs.

**Project:** Metropolitan (Metro ) Wastewater Treatment Plant - Thickener Rehabilitation (NEW)

**Level of Development:** Advanced

**Project Description:** The project includes the replacement of mechanical and electrical equipment within the thickeners, concrete repair, hand railing systems and access platforms, and provides for the other ancillary improvements.

**Project: Metropolitan (Metro) Wastewater Treatment Plant - Phase II Digester Improvements**

**Level of Development:** Advanced

**Project Description:** The Metro WWTP Digester facility was constructed circa 1959 and consists of three primary digesters, one secondary digester with a floating cover, and a Digester Control House. Various improvements have been implemented over the years; the most recent improvement, known as Phase I improvements, was completed in 2012. The department is now pursuing Phase II improvements. Additionally, the installation of two new cogeneration units will be completed.

**Project: Metropolitan WWTP Biosolids Drying System (NEW)**

**Level of Development:** Advanced

**Project Description:** A large operating cost of the Metropolitan WWTP relates to its processing and ultimate disposal of biosolids. To offset this significant operational cost, the installation of a sludge drying system to reduce the total weight of biosolids disposed is recommended. The Metro treatment plant also manages final biosolids dewatering and disposition for 4 of the 5 satellite (county-owned) treatment plants.

**Project: Oak Orchard WWTP Secondary Clarifier Rehabilitation**

**Level of Development:** Advanced

**Project Description:** The Oak Orchard Wastewater Treatment Plant (WWTP) has been in operation since 1980. The secondary clarifiers, critical to the successful operation of the plant, are original to the plant and have been identified for replacement

**Project: Wastewater Transportation System Improvements**

**Level of Development:** Ongoing

**Project Description:** This project consists of three primary or categorical elements: pump station improvements, trunk sewer improvements, and facility maintenance improvements (i.e., paving, roofing, and larger-scale maintenance activities).