

Debt Service and Capital Planning

Section 6

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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 2021: AA by S&P and Aa3 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. The County refunded these bonds in June 2019, saving an additional \$1.93 million through 2030.

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 five years has refunded multiple debt issuances which include: approximately \$33.88 million in November 2016 saving \$3.75 million through 2030, \$36 million in October 2017 saving an additional \$3.39 million through 2033, \$24.4 million in July 2019 saving an additional \$1.93 million through 2030 and \$24.75 million in February 2020 saving an additional \$2.86 million through 2037.

The County has established the following policies to guide its management of General Fund debt (calculations based on 2022 Budget):

1. Debt service costs paid through the General Fund will not exceed 5.5% of total General Fund revenue. For 2022, debt service costs are 3.84% of revenues.
2. The County's General Fund 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 \$556.60 per capita and 0.870% of the County's full valuation. (Population source is 2020 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 General Fund 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, 68% 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 August 25, 2021 the County will have exhausted 17.75% 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 August 25, 2021)

5 Year Average Full Valuation of Taxable Real Property		\$28,364,702,035
Debt Limit (7% of 5 year average)		\$1,985,529,142
Outstanding Indebtedness:		
Bonds	\$ 663,072,175	
Bond Anticipation Notes	\$ 18,801,421	
Outstanding Gross Indebtedness	\$ 681,873,596	
Less Exclusions	\$ (329,447,673)	
Total Net Indebtedness		\$352,425,923
Net Debt-Contracting Margin		\$1,633,103,219
Percentage of Debt-Contracting Power Exhausted		17.75% ¹

¹ 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

Debt Limit and Debt Margin

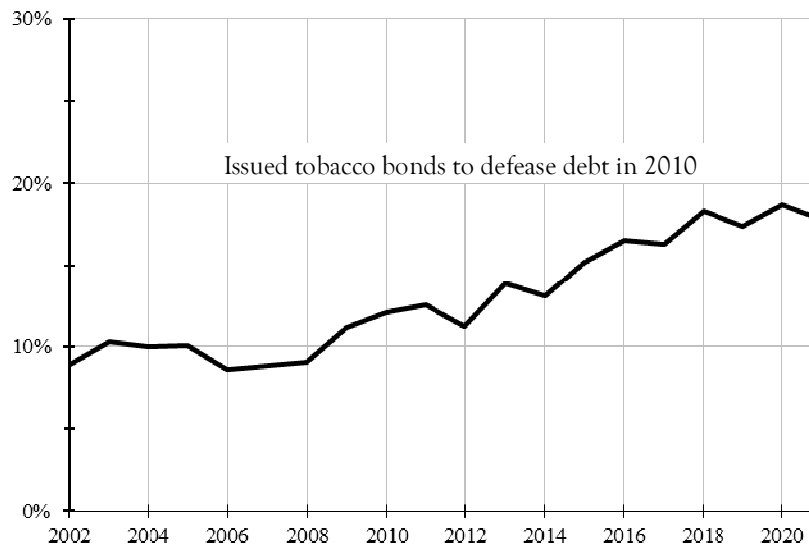
Onondaga County's use of its constitutional debt limit declined dramatically in 2001 when it defeased \$95M of general fund debt, using proceeds from tobacco revenue bonds. A second tobacco bond sale in 2005 enabled an additional \$20M in debt to be defeased. The current percentage of debt contracting power that has been exhausted is 17.75%, which is down in comparison to an average of 17.8% for the years 1994 - 2000. The debt margin is more than 4.5 times the total net indebtedness and provides ample flexibility to continue to meet the capital needs of the County.

2021 Debt Limit and Debt Margin (as of August 25, 2021)

Debt Limit	\$1,985,529,142
Total Net Indebtedness	\$352,425,923
Debt Margin	\$1,633,103,219
Percentage of Debt Limit Used	17.75%

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.

Percentage of Debt Limit Used



Debt Service Summary - All Funds

2022

	Countywide Tax Levy	Van Duyn	Water/Ad Valorem Tax	WEP/Unit Charge	Total
General Oblig. Principal	23,603,059	414,994	2,126,214	8,825,733	34,970,000
General Oblig. Interest	9,566,357	30,957	1,156,027	4,432,330	15,185,671
NYS EFC* Principal	0	0	0	13,562,438	13,562,438
NYS EFC* Interest	0	0	0	3,798,859	3,798,859
Estimated EFC* Principal	0	0	0	1,200,000	1,200,000
Estimated EFC* Interest	0	0	0	400,000	400,000
Fiscal Agent Fees	40,530	0	0	574,979	615,509
Debt Service Totals	33,209,946	445,951	3,282,241	32,794,339	69,732,477
RBD/Subsidy/Other**	4,701,796	30,957	0	1,856,453	6,589,206
Charges to Operating Fund	28,508,150	414,994	3,282,241	30,937,886	63,143,271

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 Oneida Exclusivity

**Debt Service Summary - Countywide Debt Service
2022**

Department/Fund	General Obligation		Fiscal Agent Fees	Debt Service Totals	RBD/ Fed Subsidy Other Sources	Charge to Operating Fund
	Principal	Interest				
Office of Environment	268,580	56,458	0	325,038	56,458	268,580
Community College	2,682,020	950,391	0	3,632,411	21,906	3,610,505
OnCenter Complex	844,896	332,315	40,000	1,217,211	0	1,217,211
Information Technology	535,047	128,500	0	663,547	54,798	608,749
Facilities	3,685,149	1,407,032	530	5,092,711	84,489	5,008,222
Finance	421,690	190,669	0	612,359	0	612,359
County Clerk	148,570	14,536	0	163,106	0	163,106
Sheriff - Correction	189,491	79,209	0	268,700	0	268,700
Children & Family Services	554,020	239,284	0	793,304	0	793,304
Parks & Recreation	4,022,814	2,778,291	0	6,801,105	3,447,105	3,354,000
Library	271,409	158,135	0	429,544	0	429,544
Transportation	8,440,672	2,880,480	0	11,321,152	808,412	10,512,740
Emergency Communications	1,538,701	351,058	0	1,889,759	228,628	1,661,131
TOTALS	23,603,059	9,566,358	40,530	33,209,947	4,701,796	28,508,150

Debt Service Summary - Special Districts 2022

	Van Duyn	Water District	Consol. San Dist	Meadowbrook DD	Bear Trap DD	Bloody Brook DD	Harbor Brook DD	Total
General Oblig. Principal	414,994	2,126,214	8,500,330	219,403	24,000	73,000	9,000	11,366,941
General Oblig. Interest	30,957	1,156,027	4,364,685	39,899	11,695	9,756	6,295	5,619,314
NYS EFC* Principal	0	0	13,562,438	0	0	0	0	13,562,438
NYS EFC* Interest	0	0	3,798,859	0	0	0	0	3,798,859
Estimated EFC* Principal	0	0	1,200,000	0	0	0	0	1,200,000
Estimated EFC* Interest	0	0	400,000	0	0	0	0	400,000
Fiscal Agent Fees	0	0	574,979	0	0	0	0	574,979
Debt Service Totals	445,951	3,282,241	32,401,291	259,302	35,695	82,756	15,295	36,522,531
RBD/Fed Subsidy/Other ¹	30,957	0	1,856,453	0	0	0	0	1,887,410
Charges to Operating Fund	414,994	3,282,241	30,544,838	259,302	35,695	82,756	15,295	34,635,121

¹ Includes Reserves for Bonded Debt

County Indebtedness
Authorized and Unissued

As of August 25, 2021

Department	Authorized and Unissued
Office of Environment	900,000
Facilities	1,987,150
Parks & Recreation	4,408,511
Finance	64,000,000
Children and Family Services	500
Transportation	17,662,328
Emergency Communications	2,661,676
Information Technology	180,000
Sheriff	198,000
Community College	600,205
Water Environment Protection	141,152,292
Metro Water Board	1,425,000
Total	235,175,662

Serial Bonds 2022 Debt Service

Title of Bond	Final Maturity	Interest Rate*	Amount Issued	Initial Interest	2022 Principal	2022 Interest	Balance (P) 12/31/2022
N.Y.S. E.F.C. Bonds 2002G*	2028	1.31%	14,681,217	5,432,687	710,000	79,462	3,050,000
N.Y.S. E.F.C. Bonds 2003A*	2022	4.31%	1,128,465	1,583,722	60,000	-7,464	0
N.Y.S. E.F.C. Bonds 2003F*	2023	3.82%	4,657,961	1,868,010	270,000	0	275,000
N.Y.S. E.F.C. Bonds 2004D*	2024	4.49%	9,579,475	4,760,948	545,000	11,800	1,125,000
N.Y.S. E.F.C. Bonds 2005A*	2024	3.89%	17,469,284	7,080,442	1,010,000	0	2,070,000
N.Y.S. E.F.C. Bonds 2005B*	2025	3.69%	5,495,439	2,218,182	310,000	22,964	960,000
N.Y.S. E.F.C. Bonds 2006C*	2036	4.96%	44,610,657	44,610,657	1,530,000	381,737	22,575,000
N.Y.S. E.F.C. Bonds 2007D*	2036	4.18%	41,442,558	26,106,369	1,725,000	270,296	17,750,000
N.Y.S. E.F.C. Bonds 2008A&B*	2028	4.27%	1,645,373	801,562	85,000	13,878	565,000
N.Y.S. E.F.C. Bonds 2010C*	2030	2.41%	2,972,800	1,150,144	145,000	5,043	1,270,000
N.Y.S. E.F.C. Bonds 2011C*	2031	1.75%	15,603,494	6,787,783	790,000	164,926	7,835,000
N.Y.S. E.F.C. Bonds 2012B*	2034	1.02%	11,395,171	4,410,561	0	120,613	7,075,000
GO Refund Bonds 2012	2025	2.51%	20,615,000	3,844,196	980,000	84,713	1,585,000
N.Y.S. E.F.C. Bonds 2012E*	2032	0.78%	4,100,953	1,238,401	205,000	36,721	2,260,000
N.Y.S. E.F.C. Bonds 2014B*	2044	0.62%	128,800,968	79,460,686	3,855,000	1,878,508	99,585,000
General Obligation Bonds 2014	2034	2.63%	34,800,000	12,060,823	2,475,000	655,563	16,525,000
GO Refund Bonds 2014	2036	2.19%	19,600,000	5,951,257	1,580,000	368,000	6,570,000
General Obligation Bonds 2015	2045	3.43%	79,900,000	46,215,073	2,720,000	2,484,331	64,675,000
GO Refund Bonds 2015	2027	2.22%	11,370,000	3,592,519	1,170,000	266,000	5,075,000
QECCB 2015	2025	3.50%	2,650,000	1,041,161	265,000	104,145	795,000
General Obligation Bonds 2016	2036	2.08%	26,500,000	7,770,442	1,225,000	532,106	17,335,000
GO Refund Bonds 2016	2030	1.72%	35,885,000	10,716,026	4,625,000	1,035,694	20,375,000
N.Y.S. E.F.C Bonds 2016B*	2037	2.48%	3,886,715	524,856	0	34,630	2,925,000
General Obligation Bonds 2017	2037	2.76%	21,780,000	8,219,576	1,260,000	673,300	16,985,000
GO Refund Bonds 2017	2033	2.21%	33,835,000	14,601,419	3,870,000	1,503,400	29,340,000
N.Y.S. E.F.C Bonds 2017C*	2038	3.64%	46,040,049	15,439,426	1,930,000	522,786	36,820,000
General Obligation Bonds 2018	2038	2.75%	51,960,000	15,232,562	2,895,000	1,733,425	43,500,000
General Obligation Bonds 2019	2039	3.90%	44,777,388	18,481,474	2,220,000	1,675,300	40,405,000
GO Refund Bonds 2019	2030	4.75%	24,395,000	4,711,988	3,495,000	726,875	12,790,000
N.Y.S. E.F.C Bonds 2019A*	2039	2.11%	23,741,220	6,689,311	306,147	247,036	20,595,000
General Obligation Bonds 2020	2041	1.73%	50,395,000	11,631,113	2,125,000	960,875	48,270,000
GO Refund Bonds 2020	2037	1.43%	24,750,000	7,147,204	2,300,000	970,750	19,635,000
N.Y.S. E.F.C Bonds 2020B*	2041	1.33%	2,231,291	478,654	86,291	15,925	2,060,000
General Obligation Bonds 2021	2041	1.60%	40,125,000	11,619,844	1,765,000	1,347,694	38,360,000
GO BAN (FED TAXED)	2022	1.00%	6,350,000	63,500	0	63,500	6,350,000
TOTAL:			909,170,478	393,542,578	48,532,438	18,984,530	617,365,000

*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 2022 Debt Service by Department

	No.	Year Issued	Final Maturity	Interest Rate	2022 Serial Bond Payments		
					Principal	Interest	Total
Office of Environment							
General Obligation Bonds	860	2019	2039	2.59%	146,430	18,839	165,269
General Obligation Bonds	870	2020	2041	1.73%	31,590	14,300	45,890
General Obligation Bonds	880	2021	2041	1.60%	90,560	23,319	113,879
Total: Office of Environment					268,580	56,458	325,038
County Clerk							
General Obligation Bonds	850	2018	2038	2.75%	90,000	7,000	97,000
General Obligation Bonds	860	2019	2039	2.59%	58,570	7,536	66,106
Total: Office of Environment					148,570	14,536	163,106
Onondaga Community College							
General Obligation Refunding Bonds	790	2012	2025	2.51%	167,000	21,878	188,878
General Obligation Bonds	810	2014	2034	2.63%	90,000	19,650	109,650
General Obligation Refunding Bonds	811	2014	2026	2.19%	239,200	56,115	295,315
General Obligation Bonds	820	2015	2045	3.43%	2,100	1,294	3,394
General Obligation Refunding Bonds	821	2015	2027	2.22%	243,360	57,744	301,104
General Obligation Bonds	830	2016	2036	2.08%	232,000	115,501	347,501
General Obligation Refunding Bonds	831	2016	2033	1.72%	690,066	248,927	938,993
General Obligation Bonds	840	2017	2037	2.76%	43,000	31,515	74,515
General Obligation Refunding Bonds	841	2017	2033	2.21%	466,324	147,715	614,039
General Obligation Bonds	850	2018	2038	2.75%	35,000	27,135	62,135
General Obligation Bonds	860	2019	2039	2.59%	20,630	18,210	38,840
General Obligation Refunding Bonds	861	2019	2039	1.55%	355,100	155,848	510,948
General Obligation Bonds	870	2020	2041	1.73%	21,080	9,533	30,613
General Obligation Refunding Bonds	871	2020	2037	1.43%	66,500	28,080	94,580
General Obligation Bonds	880	2021	2041	1.60%	10,660	11,246	21,906
Total: Community College					2,682,020	950,391	3,632,411
Correction							
General Obligation Refunding Bonds	831	2016	2030	1.00%	141,681	46,367	188,048
General Obligation Bonds	850	2018	2038	2.75%	14,000	11,013	25,013
General Obligation Bonds	860	2019	2039	2.59%	15,180	13,403	28,583
General Obligation Bonds	870	2020	2041	1.73%	18,630	8,428	27,058
Total: Corrections					189,491	79,209	268,700

Serial Bonds 2022 Debt Service by Department

	No.	Year Issued	Final Maturity	Interest Rate	2022 Serial Bond Payments		
					Principal	Interest	Total
OnCenter Complex							
General Obligation Refunding Bonds	790	2012	2024	2.51%	65,000	5,550	70,550
General Obligation Bonds	820	2015	2045	3.43%	23,300	14,473	37,773
General Obligation Bonds	830	2016	2036	2.08%	83,000	41,250	124,250
General Obligation Refunding Bonds	831	2016	2030	0.00%	475,714	181,167	656,881
General Obligation Refunding Bonds	841	2017	2033	2.21%	52,882	27,245	80,127
General Obligation Refunding Bonds	861	2019	2039	1.55%	135,600	58,710	194,310
General Obligation Refunding Bonds	871	2020	2037	1.43%	9,400	3,921	13,321
Total: OnCenter Complex					844,896	332,315	1,177,211
Information Technology							
General Obligation Bonds	820	2015	2045	3.43%	46,100	28,623	74,723
General Obligation Refunding Bonds	841	2017	2033	2.21%	288,447	20,092	308,539
General Obligation Bonds	870	2020	2041	1.73%	75,100	33,958	109,058
General Obligation Refunding Bonds	871	2020	2037	1.43%	82,300	34,724	117,024
General Obligation Bonds	880	2021	2041	1.60%	43,100	11,103	54,203
Total: Information Technology					535,047	128,500	663,547
Facilities Management							
General Obligation Refunding Bonds	790	2012	2025	2.51%	119,000	11,083	130,083
General Obligation Bonds	810	2014	2034	2.63%	365,000	184,188	549,188
General Obligation Refunding Bonds	811	2014	2026	2.19%	161,000	36,825	197,825
General Obligation Bonds	820	2015	2045	3.43%	72,200	45,581	117,781
General Obligation Refunding Bonds	821	2015	2027	2.22%	112,320	23,581	135,901
QECCB	822	2015	2025	3.50%	265,000	104,145	369,145
General Obligation Refunding Bonds	831	2016	2030	0.00%	151,126	39,325	190,451
General Obligation Bonds	840	2017	2037	0.00%	79,000	58,595	137,595
General Obligation Refunding Bonds	841	2017	2033	2.21%	240,372	52,265	292,637
General Obligation Bonds	850	2018	2038	2.75%	516,000	372,914	888,914
General Obligation Bonds	860	2019	2039	2.59%	234,140	206,677	440,817
General Obligation Refunding Bonds	861	2019	2039	1.55%	888,000	62,900	950,900
General Obligation Bonds	870	2020	2041	1.73%	69,621	31,474	101,095
General Obligation Refunding Bonds	871	2020	2037	1.43%	386,300	163,056	549,356
General Obligation Bonds	880	2021	2041	1.60%	26,070	14,423	40,493
Total: Facilities					3,685,149	1,407,032	5,092,181

Serial Bonds 2022 Debt Service by Department

	No.	Year Issued	Final Maturity	Interest Rate	2022 Serial Bond Payments		
					Principal	Interest	Total
Finance							
General Obligation Bonds	870	2020	2041	1.73%	421,690	190,669	612,359
Total: Board of Elections					421,690	190,669	612,359
Children and Family Services							
General Obligation Refunding Bonds	811	2014	2026	2.19%	266,800	61,015	327,815
General Obligation Refunding Bonds	821	2015	2027	2.22%	56,160	13,197	69,357
General Obligation Bonds	850	2018	2038	2.75%	11,000	3,395	14,395
General Obligation Bonds	860	2019	2039	2.59%	144,400	127,471	271,871
General Obligation Bonds	870	2020	2041	1.73%	75,660	34,206	109,866
Total: Children and Family Services					554,020	239,284	793,304
Parks & Recreation							
General Obligation Bonds	810	2014	2034	2.63%	150,000	34,800	184,800
General Obligation Bonds	820	2015	2045	3.43%	1,300,000	1,604,213	2,904,213
General Obligation Bonds	830	2016	2036	2.08%	169,000	83,615	252,615
General Obligation Refunding Bonds	831	2016	2030	0.00%	420,184	34,702	454,886
General Obligation Bonds	840	2017	2037	0.00%	46,000	23,130	69,130
General Obligation Refunding Bonds	841	2017	2033	2.21%	331,715	103,325	435,040
General Obligation Bonds	850	2018	2038	2.75%	386,000	145,555	531,555
General Obligation Bonds	860	2019	2039	2.59%	335,170	261,783	596,953
General Obligation Refunding Bonds	861	2019	2039	1.55%	336,700	76,908	413,608
General Obligation Bonds	870	2020	2041	1.73%	112,685	50,973	163,658
General Obligation Refunding Bonds	871	2020	2037	1.43%	160,700	67,751	228,451
General Obligation Bonds	880	2021	2041	1.60%	274,660	228,037	502,697
GO BAN (FEDERALLY TAXED)	882	2021	2022	1.00%	0	63,500	63,500
Total: Parks & Recreation					4,022,814	2,778,291	6,801,105
Library							
General Obligation Bonds	820	2015	2045	3.43%	115,000	72,481	187,481
General Obligation Refunding Bonds	841	2017	2033	2.21%	134,609	76,445	211,054
General Obligation Refunding Bonds	871	2020	2037	1.43%	21,800	9,210	31,010
Total: Library					271,409	158,135	429,544
Transportation (County Road Fund)							
General Obligation Refunding Bonds	790	2012	2024	2.51%	380,000	18,896	398,896
General Obligation Bonds	810	2014	2034	2.63%	908,000	167,275	1,075,275
General Obligation Refunding Bonds	811	2014	2026	2.19%	92,000	21,040	113,040

Serial Bonds 2022 Debt Service by Department

	No.	Year	Final	Interest	2022 Serial Bond Payments		
		Issued	Maturity	Rate	Principal	Interest	Total
General Obligation Bonds	820	2015	2045	3.43%	320,000	197,950	517,950
General Obligation Refunding Bonds	821	2015	2027	2.22%	93,600	1,872	95,472
General Obligation Bonds	830	2016	2036	2.08%	470,000	159,091	629,091
General Obligation Refunding Bonds	831	2016	2030	0.00%	1,257,184	189,118	1,446,302
General Obligation Bonds	840	2017	2037	0.00%	414,000	227,140	641,140
General Obligation Refunding Bonds	841	2017	2033	2.21%	663,429	217,387	880,816
General Obligation Bonds	850	2018	2038	2.75%	655,000	454,369	1,109,369
General Obligation Bonds	860	2019	2039	2.59%	290,000	188,650	478,650
General Obligation Refunding Bonds	861	2019	2039	1.55%	1,326,300	242,068	1,568,368
General Obligation Bonds	870	2020	2041	1.73%	538,179	243,345	781,524
General Obligation Refunding Bonds	871	2020	2037	1.43%	555,300	234,375	789,675
General Obligation Bonds	880	2021	2041	1.60%	477,680	317,903	795,583
Total: Transportation					8,440,672	2,880,480	11,321,152
E - 911							
General Obligation Bonds	820	2015	2045	3.43%	16,300	10,129	26,429
General Obligation Refunding Bond	831	2016	2030	0.00%	944,534	107,951	1,052,485
General Obligation Bonds	840	2017	2040	0.00%	105,000	29,675	134,675
General Obligation Bonds	850	2018	2038	2.75%	13,000	10,339	23,339
General Obligation Bonds	860	2019	2039	2.59%	20,480	13,408	33,888
General Obligation Refunding Bonds	861	2019	2039	1.55%	91,000	6,875	97,875
General Obligation Bonds	870	2020	2041	1.73%	201,387	91,054	292,441
General Obligation Bonds	880	2021	2041	1.60%	147,000	81,628	228,628
Total: E - 911					1,538,701	351,058	1,889,759
Van Duyn							
General Obligation Refunding Bonds	841	2017	2033	2.21%	124,994	8,707	133,701
General Obligation Bonds	850	2018	2038	2.75%	290,000	22,250	312,250
Total: Van Duyn					414,994	30,957	445,951
Consolidated Sanitary District							
N.Y.S. E.F.C. 2002 Series G Bonds	655	2002	2028	1.31%	710,000	79,462	789,462
N.Y.S. E.F.C. 2003 Series A Bonds	665	2003	2022	4.31%	60,000	-7,464	52,536
N.Y.S. E.F.C. 2003 Series F Bonds	675	2003	2023	3.82%	270,000	0	270,000
N.Y.S. E.F.C. 2004 Series D Bonds	685	2004	2024	4.49%	545,000	11,800	556,800
N.Y.S. E.F.C. 2005 Series A Bonds	695	2005	2024	3.89%	1,010,000	0	1,010,000
N.Y.S. E.F.C. 2005 Series B Bonds	705	2005	2025	3.69%	310,000	22,964	332,964

Serial Bonds 2022 Debt Service by Department

	No.	Year	Final	Interest	2022 Serial Bond Payments		
		Issued	Maturity	Rate	Principal	Interest	Total
N.Y.S. E.F.C. 2006 Series C Bonds	715	2006	2036	4.96%	1,530,000	381,737	1,911,737
N.Y.S. E.F.C. 2007 Series D Bonds	725	2007	2036	4.18%	1,725,000	270,296	1,995,296
N.Y.S. E.F.C. 2008 Series A&B Bonds	735	2008	2028	4.27%	85,000	13,878	98,878
N.Y.S. E.F.C. 2010 Series C Bonds	755	2010	2030	2.41%	145,000	5,043	150,043
N.Y.S. E.F.C. 2011 Series C Bonds	765	2011	2031	1.75%	790,000	164,926	954,926
N.Y.S. E.F.C. 2012 Series B Bonds	775	2012	2034	1.02%	0	120,613	120,613
General Obligation Refunding Bonds	790	2012	2025	2.51%	150,000	15,174	165,174
N.Y.S. E.F.C. 2012 Series E Bonds	795	2012	2032	0.78%	205,000	36,721	241,721
N.Y.S. E.F.C. 2014 Series B Bonds	805	2014	2044	0.62%	3,855,000	1,878,507	5,733,507
General Obligation Bonds	810	2014	2034	2.63%	770,000	154,950	924,950
General Obligation Refunding Bonds	811	2014	2026	2.19%	663,200	156,955	820,155
General Obligation Bonds	820	2015	2045	3.34%	570,000	350,425	920,425
General Obligation Refunding Bonds	821	2015	2027	2.22%	542,880	138,209	681,089
General Obligation Bonds	830	2016	2036	2.08%	221,000	108,155	329,155
General Obligation Refunding Bonds	831	2016	2030	0.00%	539,788	186,985	726,773
N.Y.S E.F.G 2016 Series B Bonds	815	2016	2037	0.00%	0	34,630	34,630
N.Y.S E.F.G 2017 Series C Bonds	825	2017	2038	3.64%	1,930,000	522,786	2,452,786
General Obligation Bonds	840	2017	2037	0.00%	481,000	236,155	717,155
General Obligation Refunding Bonds	841	2017	2033	2.21%	879,764	443,761	1,323,525
General Obligation Bonds	850	2018	2038	2.75%	800,000	611,238	1,411,238
General Obligation Bonds	860	2019	2039	2.59%	860,000	733,650	1,593,650
General Obligation Refunding Bonds	861	2019	2039	1.55%	295,300	118,593	413,893
N.Y.S E.F.G 2019 Series A Bonds	835	2019	2039	1.46%	306,147	247,036	553,183
General Obligation Bonds	870	2020	2041	1.73%	486,628	220,045	706,673
General Obligation Refunding Bonds	871	2020	2037	1.43%	545,500	230,355	775,855
N.Y.S E.F.G 2020 Series B Bonds	845	2021	2041	1.33%	86,291	15,925	102,216
General Obligation Bonds	880	2021	2041	1.60%	695,270	660,036	1,355,306
Total: Consol. Sanitary District					22,062,768	8,163,543	30,226,311
Drainage Districts							
General Obligation Refunding Bonds	790	2012	2025	2.51%	99,000	12,131	111,131
General Obligation Refunding Bonds	821	2015	2027	2.22%	121,680	31,397	153,077
General Obligation Refunding Bonds	831	2016	2030	0.00%	4,723	1,152	5,875
General Obligation Bonds	840	2017	2037	0.00%	15,000	10,415	25,415
General Obligation Refunding Bonds	861	2019	2039	1.55%	67,000	4,975	71,975
General Obligation Refunding Bonds	871	2020	2037	1.43%	18,000	7,575	25,575
Total: Drainage Districts					325,403	67,645	393,048

Serial Bonds 2022 Debt Service by Department

	No.	Year Issued	Final Maturity	Interest Rate	2022 Serial Bond Payments		
					Principal	Interest	Total
Water District							
General Obligation Bonds	810	2014	2034	2.63%	192,000	94,700	286,700
General Obligation Refunding Bonds	811	2014	2026	2.19%	157,800	36,050	193,850
General Obligation Bonds	820	2015	2045	3.34%	255,000	159,163	414,163
General Obligation Bonds	830	2016	2036	2.08%	50,000	24,494	74,494
General Obligation Bonds	840	2016	2037	0.00%	77,000	56,675	133,675
General Obligation Refunding Bonds	841	2017	2033	2.21%	687,464	406,458	1,093,922
General Obligation Bonds	850	2018	2038	2.75%	85,000	68,219	153,219
General Obligation Bonds	860	2019	2039	2.59%	95,000	85,675	180,675
General Obligation Bonds	870	2020	2041	1.73%	72,750	32,890	105,640
General Obligation Refunding Bonds	871	2020	2037	1.43%	454,200	191,703	645,903
Total: Water District					2,126,214	1,156,027	3,282,241
Total: All Funds					48,532,438	18,984,529	67,516,967

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

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 2022-2027 Capital Improvement Plan (CIP) includes 38 County Wide projects and 25 projects in the Sewer Fund. All 63 projects recommended for inclusion in the 6-year plan estimate total spending at \$892,902,000.

Total funds for the recommended County-wide project, for 6 years, are \$292,259,000 of which \$71,873,000 will be pay-as-you-go and \$116,536,000 will be debt. The rest is State and Federal Aid. The Sewer Funds projects are expected to cost \$600,643,000, of which \$50,765,000 will be pay-as-you-go and \$548,878,000 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.

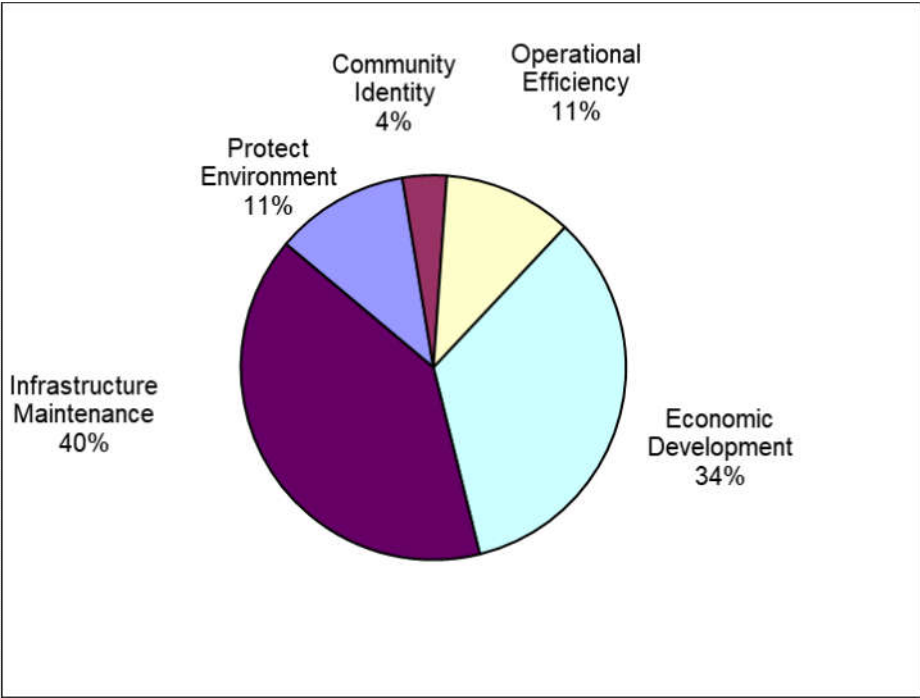
As an alternative to assuming debt, some capital projects are funded on a "pay-as-you-go" basis through departmental operating budgets. Most engineering studies are funded in this manner. Finally, operating costs associated with a project, such as utilities and maintenance, may cause a change in departmental 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 2022 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.

2022 – 2027 Capital Priorities



CIP Proposed Projects

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

County Wide

Department	STATUS	PROJECT	2022 - 27 Total
General Fund			
COUNTY CLERK (RECORDS DEPT)			
	new	Records Digitalization	360

		Subtotal	\$ 360
DEPARTMENT OF CORRECTIONS			
		Physical Plant Improvements and Security Upgrades	592

		Subtotal	\$ 592
EMERGENCY COMMUNICATIONS			
	new	OCICS Radio Fleet Template Refresh (NEW)	442
		Tower Site Shelter Rehabilitation	1,091

		Subtotal	\$ 1,533
FACILITIES MANAGEMENT			
		Carnegie Library Rehabilitation	4,101
		Community Plaza and Walks Renovations	300
		Community Plaza Garage	1,710
		Courthouse - HVAC Renovations	9,000
		Facilities Various Capital Improvements	9,565
		Oncenter Rehabilitations	8,000

		Subtotal	\$ 32,676
HILLBROOK DETENTION HOME			
	new	Education, recreation and vocational center at Hillbrook detention center	2,000

		Subtotal	\$ 2,000
OFFICE OF ENVIRONMENT			
		Ash Tree Management	2,625

		Subtotal	\$ 2,625
PARKS & RECREATION DEPT.			
		Build an African Savannah Exhibit	7,050
		Carpenters Brook Fish Hatchery Building Replacement	850
		County Multi Sports Complex	25,000
		Lights on the Lake Storage Facility	370
		Long Branch Park Improvements	1,000
		Oneida Shores Facility Upgrade	850
		Oneida Shores Park Shoreline Rehabilitation	450
		Parks Various Infrastructure Rehabilitation and Improvement	12,585
		Veterans Cemetery Lawn Crypts	1,000
	new	Zoo Mechanical Systems and Roofs Replacement (NEW)	4,000

		Subtotal	\$ 53,155
SHERIFF POLICE/CIVIL			
	new	Radio Replacement (NEW)	4,665

		Subtotal	\$ 4,665
		General Fund Total	\$ 97,606
Library			
ONONDAGA COUNTY PUBLIC LIBRARY			
		Mobile Library Outreach	260
		Petit Branch Library addition and improvements	1,428

		Library Total	\$ 1,688

County Wide

Department	STATUS	PROJECT	2022 - 27 Total
Community College			
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
County Road			
TRANSPORTATION			
		Bituminous Surface Treatment	17,049
		Bridges	9,860
		Capital Highway Construction	28,850
		Caughdenoy Road / NYS Route 31 Road Improvements	11,000
		Cold Mix Bituminous Paving	29,580
		Guide Rail	3,420
		Repaving Program (Hot Mix Bituminous)	71,630
		Testing, Drainage and Facilities Repair	2,784
		Traffic Systems Management	2,160

County Road Total			\$ 176,333
County Wide Total			\$ 292,259

Special Funds

Department	STATUS	PROJECT	2022 - 27 Total
Drain & San			
WATER ENVIRONMENT PROTECTION			
	new	Baldwinsville Seneca Knolls and Oak Orchard WWTP Oxygen System Replacement (NEW)	10,000
		Baldwinsville Seneca Knolls WWTP Disinfection and Phase II Asset Renewal Improvements	27,720
		Camillus Force Main Replacement	10,000
	new	Comprehensive Asset Renewal at Baldwinsville WWTP (NEW)	4,236
	new	Comprehensive Asset Renewal at Brewerton WWTP (NEW)	3,120
	new	Comprehensive Asset Renewal at Meadowbrook Limestone WWTP (NEW)	13,576
	new	Comprehensive Asset Renewal at Metro WWTP (NEW)	2,545
	new	Comprehensive Asset Renewal at Oak Orchard WWTP (NEW)	1,727
	new	Comprehensive Asset Renewal at Wetzel Rd. WWTP (NEW)	1,605
		Davis Rd Pump Station and Forcemain Improvements	16,000
	new	Department Wide Building and Site improvements (NEW)	13,819
	new	Department Wide Mechanical, Electrical and Process Improvements (NEW)	17,849
		Harbor Brook Miscellaneous Culvert and Channel Improvements	400
		Ley Creek/Liverpool Force Main Rehabilitation/Replacement Project	29,230
	new	Meadowbrook Limestone & Brewerton WWTP - Drum Replacement (NEW)	2,396
	new	Meadowbrook-Limestone WWTP Fine Screen Replacement (NEW)	1,000
	new	Meadowbrook-Limestone WWTP Large Scale Upgrade (NEW)	4,600
		Metro WWTP 1978 Plant Annex Asset Renewal - Phase I	30,712
		Metropolitan (Metro) Wastewater Treatment Plant - Thickener Rehabilitation	1,000
		Oak Orchard Wastewater Treatment Plant Major Upgrade Project	250,000
		Oak Orchard WWTP Secondary Clarifier Rehabilitation	7,273
	new	Route 81, Sanitary Sewer Betterments (NEW)	15,400
		Sewer Consolidation	105,350
		Wastewater Transportation System Improvements	15,085
		White Pine Industrial Park Conveyances	16,000

Sewer Total			\$ 600,643
Grand Total			\$ 892,542

FUNDING SOURCES OF PROPOSED PROJECTS

County Wide	2022	2023	2024	2025	2026	2027	6yr Total
General Fund							
Pay as You Go	470						470
Borrowing to be Authorized	17,017	18,733	14,135	7,025	2,125	1,000	60,035
Federal Aid	33,365	1,736					35,101
State Aid	2,000						2,000
SUB TOTALS	\$52,852	\$20,469	\$14,135	\$7,025	\$2,125	\$1,000	\$97,606
County Road							
Pay as You Go	5,046	7,717	11,098	13,489	15,901	18,152	71,403
Borrowing to be Authorized	9,835	8,250	11,060	9,890	4,170	3,770	46,975
Federal Aid	7,760	6,000	3,200	2,000	2,000	2,000	22,960
State Aid	6,195	5,840	5,740	5,740	5,740	5,740	34,995
SUB TOTALS	\$28,836	\$27,807	\$31,098	\$31,119	\$27,811	\$29,662	\$176,333
Library							
Borrowing to be Authorized	1,210						1,210
State Aid	478						478
SUB TOTALS	\$1,688						\$1,688
Community College							
Borrowing to be Authorized		8,316					8,316
State Aid		8,316					8,316
SUB TOTALS		\$16,632					\$16,632
County Wide	TOTALS	\$83,376	\$64,908	\$45,233	\$38,144	\$29,936	\$30,662
							\$292,259
Special Funds							
Drain & San							
Pay as You Go	5,831	8,394	8,464	8,729	9,067	10,280	50,765
Authorized Borrowing	18,516	7,022	118				25,656
Borrowing to be Authorized	113,005	174,374	128,426	49,985	23,649	34,783	524,222
Special Funds TOTALS	\$137,352	\$189,790	\$137,008	\$58,714	\$32,716	\$45,063	\$600,643
GRAND TOTAL	\$220,728	\$254,698	\$182,241	\$96,858	\$62,652	\$75,725	\$892,902

CIP Proposed Projects
Summary of 2022 Estimated Expenses

Department/Projects	2022 Cost Only (Sin 000's)
County Clerk	
Records Digitalization (NEW)	\$360
Sub Total	\$360
E-911	
OCICS Radio Fleet Template Refresh (NEW)	\$442
Sub Total	\$442
Facilities	
Carnegie Library Rehabilitation	\$2,365
Community Plaza and Walks Renovations	\$300
Facilities Various Capital Improvements	\$6,065
Oncenter Rehabilitations	\$5,500
Sub Total	\$14,230
Hillbrook	
Education, recreation and vocational center at Hillbrook detention Center	\$2,000
Sub Total	\$2,000
Office of Environment	
Ash Tree Management	\$525
Sub Total	\$525
Parks	
County Multi Sports Complex	\$25,000
Long Branch Park Improvements	\$1,000
Oneida Shores Park Shoreline Rehabilitation	\$100

Parks Various Infrastructure Rehabilitation and Improvement	\$2,685
Veterans Cemetery Lawn Crypts	\$1,000
Zoo Mechanical Systems and Roofs Replacement (NEW)	\$2,000
Sub Total	\$31,785

Sheriff Police/Civil

Radio Replacement (NEW)	\$3,510
Sub Total	\$3,510

Library

Mobile Library Outreach (2021)	\$260
Petit Branch Library addition and improvements (2021)	\$1,428
Sub Total	\$1,688

DOT

Bituminous Surface Treatment	\$2,500
Bridges	\$1,520
Capital Highway Construction	\$9,700
Caughdenoy Road / NYS Route 31 Road Improvements	\$500
Cold Mix Bituminous Paving	\$3,900
Guide Rail	\$520
Repaving Program (Hot Mix Bituminous)	\$9,410
Testing, Drainage and Facilities Repair	\$436
Traffic Systems Management	\$350
Sub Total	\$28,836

COUNTY WIDE FUNDS TOTAL **\$83,376**

WEP

B.ville Seneca Knolls WWTP Disinfection and Phase II Asset Renewal Improv.	\$15,600
Comprehensive Asset Renewal at Metro WWTP (NEW)	\$800
Davis Rd Pump Station and Forcemain Improvements	\$4,800
Department Wide Building and Site Improvements (NEW)	\$4,876

Department Wide Mechanical Electrical and Process Improvements (NEW)	\$5,060
Ley Creek/Liverpool Force Main Rehabilitation/Replacement Project	\$650
Meadowbrook Limestone & Brewerton WWTP - Drum Replacement (NEW)	\$400
Meadowbrook Limestone Fine Screen Replacement (NEW)	\$1,000
Metro WWTP 1978 Plant Annex Asset Renewal	\$2,000
Oak Orchard Wastewater Treatment Plant Major Upgrade Project	\$77,000
Oak Orchard WWTP Secondary Clarifier Rehabilitation	\$266
Route 81 Sanitary and Sewer Betterments (NEW)	\$11,000
Sewer Consolidation	\$3,650
Wastewater Transportation System Improvements	\$1,250
White Pine Industrial Park Conveyances	\$8,000
Metro WWTP Thickner Rehabilitation	\$1,000
Sub Total	\$137,352
ALL FUNDS TOTAL	\$220,728

Proposed Capital Improvement Projects For 2022

The following is a listing with a very brief description of the capital projects that are anticipated to require funding in 2022. More detail can be found in the County's 2022-2027 Capital Improvement Plan.

COUNTY CLERK

Project: Records Digitalization (NEW)

Level of Development: Advanced

Project Description: The goal of this project is to digitize the remaining mortgages (paper documents for years 1794-1950) recorded in our office as well as our numerical indexes for deeds and mortgages (hardcover, loose-leaf books for years 1799-1986) into our e-commerce system.

EMERGENCY COMMUNICATIONS

Project: OCICS Radio Fleet Template Refresh (NEW)

Level of Development: Intermediate

Project Description: This project will allow changes to be made to the templates that are programmed into Onondaga County radios (portables and mobiles) on the OCICS (Onondaga County Interoperable Communications System). The current templates were developed at the beginning of the OCICS project, over 10 years ago and have become outdated.

FACILITIES MANAGEMENT

Project: Carnegie Library Rehabilitation

Level of Development: Advanced

Project Description: The Carnegie Library Building (circa 1912), is a registered Historical treasure that has been vacant since the Syracuse City School District ceased operating it as a special program location and returned it to Onondaga County. The building underwent a renovation 25 years ago, in 1994. The County intends to rehabilitate the building by performing renovations that will prepare the building for department occupation and services.

Project: Community Plaza and Walks Renovations

Level of Development: Preliminary

Project Description: The goal of this project is to renovate Community Plaza, building court yards and pedestrian paths, and the walks around the Everson Museum, also the sidewalks around the downtown complex, which are settled and severely cracked and uneven, leading to significant liability for both the County and the Everson Museum.

Project: Facilities Various Capital Improvements

Level of Development: Advanced

Project Description: This project will generate improvements in structural integrity, mechanical systems, energy efficiency systems, life/safety issues, office environments, building exteriors, infrastructure, ADA improvements, and security and fire alarm systems of buildings and grounds in various facilities, as well as providing for the preservation of County assets. This will also include provisions for improvements designed to reduce the chance of pandemic spread by modifying work environments, creating biologic barriers, implementing additional disinfectant systems, introducing technologies of sensors and screening as well as

strengthening the security and surveillance of our properties.

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.

HILLBROOK

Project: Education, recreation and vocational center at Hillbrook detention center

Level of Development: Intermediate

Project Description: We are proposing the creation of a dedicated vocational/recreation center with a dining hall. In addition to several multi-use programmatic rooms that could be used for a variety of purposes, we also sought input from residents who stated that they would greatly benefit from dedicated areas where they could learn a variety of skills/trades as well as a dog shelter. The additional space would allow for a much more enriching experience and would have a profound impact on all residents and staff.

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.

ONONDAGA COUNTY PUBLIC LIBRARY

Project: Mobile Library Outreach

Level of Development: Advanced

Project Description: Mobile outreach through bookmobile service would allow us to provide equal access to library resources, instruction and vital technology support to ensure a complete census count of all individuals across our county. Beyond the census, bookmobile service would continue as an integral part of library outreach to daycare centers, nursing homes, housing units, senior centers, and other neighborhood stops in the city, suburbs and rural locations.

Project: Petit Branch Library addition and improvements

Level of Development: Intermediate

Project Description: The goal of this project is to build a community room as an addition to Petit Library. In addition this project will include various interior and exterior upgrades.

PARKS & RECREATION

Project: County Multi Sports Complex

Level of Development: Intermediate

Project Description: The goal of a new multi sports complex (lacrosse + soccer) in Onondaga County would be to meet the needs of county residents and also the needs of tournaments that draw out-of-town (non-local) visitors to the area and generate economic impacts to Onondaga County. Research suggests that market opportunities exist in Onondaga County for a quality outdoor-focused amateur sports facility complex that is optimized to compete for sports tourism activity.

Project: Long Branch Park Improvements

Level of Development: Advanced

Project Description: Long Branch Park is one of the most popular event destinations in the Onondaga County Parks system. This construction project is to replace the aging structures and improve the parking and entrance area to the park. This effort will also bring the aging park up to current ADA and building codes for restrooms, accessibility and parking.

Project: Oneida Shores Park Shoreline Rehabilitation

Level of Development: Intermediate

Project Description: Replace the degraded portion of the Oneida Shores boat launch and retaining wall. Also add a weigh station to support the professional fishing tournaments held at Oneida Shores Park.

Project: Parks Various Infrastructure Rehabilitation and Improvement

Level of Development: Advanced

Project Description: Much of the Parks Infrastructure is decades old and is need of replacement. Some equipment is obsolete and spare parts are unavailable. Buildings are in need of renovations and updates to meet current standards. Playgrounds are aging and need new equipment and resurfacing. Park roads, parking areas and trails need continuing repair and repaving. This project will take a systematic approach to replacing old and obsolete equipment, systems and surfaces at various facilities in the Parks Department.

Project: Veterans Cemetery Lawn Crypts

Level of Development: Advanced

Project Description: Use of lawn crypts will allow new graves to be placed closer together therefore increasing the capacity in the remaining portions of the cemetery property. Installing crypts would also allow reduced labor for burials by reducing the digging.

Project: Zoo Mechanical Systems and Roofs Replacement (NEW)

Level of Development: Intermediate

Project Description: This project seeks to update outdated specialized mechanical systems and roof structures at the Rosamond Gifford Zoo.

SHERIFF

Project: Radio Replacement (NEW)

Level of Development: Advanced

Project Description: The Onondaga County Sheriff's Office plans to replace portable and mobile two-way trunked land mobile radios that were originally purchased in 2009 as part of the Onondaga County Interoperable Communications System (OCICS) Project. Those radios will be approximately 13 years old in 2022 and the manufacturer has issued service bulletins for both the portable and mobile (includes control station) radios advising that some repair parts are no longer available and radios sent for repair are

increasingly being returned as not serviceable. The Sheriff's Office seeks funding to replace all portable radios in 2022 and all mobile and control station radios in 2023.

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: Caughdenoy Road / NYS Route 31 Road Improvements
Level of Development: Ongoing
Project Description: This project will improve Caughdenoy Road from NYS Route 31 to 0.61 miles north in conjunction with the White Pines Business Park Development. The intersection of NYS Route 31 and Caughdenoy Road will also be improved.

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: Advanced

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 became effective May 15, 2018. The disinfection portion of this project has been completed in accordance with the SPDES permit. Additionally, the plant is over thirty-seven 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 and odor control improvements. Additional work is also being pursued for rehabilitating the primary and secondary clarifier tanks as a next phase of the asset renewal program.

Project: Comprehensive Asset Renewal at Metro WWTP (NEW)

Level of Development: Intermediate

Project Description: This project takes a systematic approach to repair, replace and renovate various assets at Metro Wastewater Treatment Plant (WWTP) The scope of this project is wide and will include repair or replacement of a large variety of small and midsize assets that are not too big and costly to be standalone projects or that are not going to be part of the department wide projects' scope. This project is created and will continuously be updated by strongly relying on our Asset Management System and the knowledge of our operations, maintenance and management teams. Assets considered under this project are analyzed and evaluated individually based on likelihood of failure and consequence of failure, which determine the priorities, the nature and the size of our capital investments

Project: Davis Rd Pump Station and Forcemain Improvements

Level of Development: Intermediate

Project Description: The project includes the replacement of mechanical and electrical equipment, HVAC systems, cranes & hoists, concrete and mortar repair, and other necessary improvements for the Davis Rd Pump Station (PS). The project will also include improvements to the Davis Rd PS Force Main system - with the end result being two separate Force Mains.

Project: Department Wide Building and Site Improvements (NEW)

Level of Development: Intermediate

Project Description: This project takes a systematic approach to repair, replace and renovate various components which are common in all the buildings and sites in our Waste Water Treatment Plants (WWTP) Regional Treatment Facilities (RTF), Pump Stations (PS) and other satellite facilities. The scope of this project is wide and will be updated every year. This scope will address issues related to structural integrity of our buildings as well as other structures that host our technology. It will include mechanical components that support our operations and maintenance, HVAC components and consider energy efficiency measures. In addition, the scope of this project will include communication, safety, security and alarm systems as well as grounds improvements such as paving, drainage, fencing etc. This project is created and will continuously be updated by strongly relying on our Asset Management System and the knowledge of our operations, maintenance and management teams. Assets considered under this project are analyzed and evaluated individually based on likelihood of failure and consequence of failure, which determine the priorities, the nature and the size of our capital investments.

Project: Department Wide Mechanical Electrical and Process Improvements (NEW)

Level of Development: Intermediate

Project Description: This project takes a systematic approach to repair, replace and renovate various departments assets which are common in all our Wastewater Treatment Plants (WWTP) Regional Treatment Facilities (RTF), Pump Stations (PS) and other satellite facilities. The scope of this project is wide and will be updated every year. This scope will address needs related to electrical, electronic, mechanical, analytical equipment as well as petroleum and chemical bulk storage equipment and a variety of other needs that are common in all facilities department- wide. This project is created and will continuously be updated by strongly relying on our Asset Management System and the knowledge of our operations, maintenance and management teams. Assets considered under this project are analyzed and evaluated individually based on likelihood of failure and consequence of failure, which determine the priorities, the nature and the size of our capital investments.

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 their expected service life and have resulted in costly emergency repairs and additional regulatory scrutiny. The project schedule is driven by a September 2019 Consent Order from NYSDEC.

Project: Meadowbrook Limestone & Brewerton WWTP - Drum Replacement (NEW)

Level of Development: Intermediate

Project Description: This project will replace the rotary drum thickeners at Meadowbrook Limestone and Brewerton Wastewater Treatment Plants. Rotary drum thickeners are utilized to thicken or increase the percent total solids of the aerobically digester sludge, thereby reducing the volume necessary to be hauled to Metro for further treatment. In addition, odor control equipment will be added at the Meadowbrook Limestone facility to address and minimize local complaints (this technology was recently installed at the Brewerton WPCP rotary drum thickener location under a separate project).The need to replace these assets was identified based on our new systematic approach that relies on our Asset Management System and the knowledge of our operations, maintenance and management teams. Assets considered under this project are analyzed and evaluated individually based on likelihood of failure and consequence of failure, which determine the time and extent of replacement

Project: Meadowbrook Limestone Fine Screen Replacement (NEW)

Level of Development: Advanced

Project Description: This project will replace the existing influent bar screen and rake system to improve solids capture and protect down-stream equipment.The new screens will have half inch spaces and the rake system will be upgraded to a two arm system, which performs better. Under this project we will perform some additional rehabilitation as well.

Project: Metro WWTP 1978 Plant Annex Asset Renewal - Phase I

Level of Development: Preliminary

Project Description: Large-scale asset renewal project for numerous improvements to Metro WWTP's 1978 annex infrastructure. Various civil, electrical, mechanical, and other infrastructure rehabilitation and replacement measures to be performed in accordance with an asset management evaluation report.

Project: Metro WWTP Thickener Rehabilitation

Level of Development: Preliminary

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: Oak Orchard Wastewater Treatment Plant Major Upgrade Project

Level of Development: Advanced

Project Description: This project is for a large-scale upgrade to the Oak Orchard Wastewater Treatment Plant in the Town of Clay, NY. The current plant is nearing capacity and limits possibilities for economic growth. The project will increase the capacity so as to accommodate projected future growth. Project is necessary for the development of the White Pine Business Park and other economic development opportunities in the Oak Orchard WWTP service area.

Project: Oak Orchard WWTP Secondary Clarifier Rehabilitation

Level of Development: Advanced

Project Description: The Oak Orchard 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 asset renewal.

Project: Route 81 Sanitary and Sewer Betterments (NEW)

Level of Development: Intermediate

Project Description: WEP is partnering with the New York State Department of Transportation (NYSDOT) to provide funds for proposed sewer upgrades in conjunction with the Interstate 81 (I-81) renovations project. As NYSDOT is upgrading their infrastructure associated with I-81 this construction will have impacts to county sewer infrastructure. If the proposed DOT project is impacting WEP infrastructure then DOT will pay for and address the infrastructure impacts as needed. Items that WEP would like to address that are adjacent or near the I-81 work are considered betterments by the DOT. This project is to fund the betterment work above the DOTs scope that the County would like to have DOT address under the I-81 project. Funding of this project by the County is contingent upon NYDOT advancing the Community Grid option for replacement of I-81.

Project: Sewer Consolidation

Level of Development: Preliminary

Project Description: The ultimate end goal of this project is a (service connection to treatment) single service provider who can manage the assets more effectively and efficiently, leverage funding sources and grants to lessen the financial impacts, restore the assets, programmatically over time and remove devastating regulatory violations and compliance orders.

Project: Wastewater Transportation System Improvements

Level of Development: Advanced

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).

Project: White Pine Industrial Park and surrounding areas Conveyances

Level of Development: Advanced

Project Description: This project will provide public sewer service to the White Pine Industrial Park and surrounding areas. This areas are located along and in the vicinity Route 31 and Caughdenoy Road in the Town of Clay, Onondaga County. The project is estimated to cost \$17.6 million and will consist of an 8 MGD pumping station and a 24" PVC sanitary forced pressure main that will be approximately 20,500 feet in length and will be routed to the Oak Orchard Wastewater Treatment Plant that is located along the Oneida River in the Town of Clay.