Town of Vienna CIP Review (Fiscal Years 2019-2034)



Presented to Council September 24, 2018

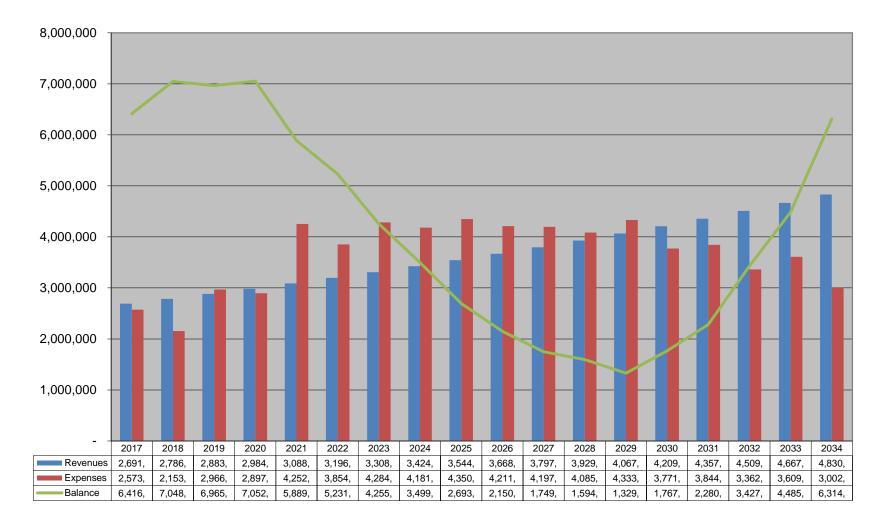
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CIP FY 2018 – 2034 Assumptions for Debt Model

- 1. Debt Issuance every two years. Interest rate estimated at 3.5% for FY 2020, 4.0% FY 2022, 4.5% for FY 2024 & 2026 and 5.0% for FY 2028 2034.
- 2. Meals tax revenue, which funds debt payments, projected to grow at 3.75% a year.
- 3. Meals tax rate will remain at the current 3% rate.
- 4. Second 2018 debt offering for Mill Street, 440 Beulah and a potential property acquisition included in 2018-19.
- 5. Approximately \$1 million of the \$1.3 million bond premium received for the 2018 bonds is included to offset costs of the second 2018 borrowing.
- 6. The plan supports a \$14.3 million police station construction and project management in the 2020 bond.
- 7. Water and sewer projects, funded by water and sewer rates, increase to \$5.4 million per bond fund, inflated at 2% each subsequent bond fund.
- 8. A reserve for undergrounding power lines of \$0.5 million per bond issue begins with the 2024 bond issue.
- 9. Items marked with an asterisk (*) in the "Project Change" column in the CIP detail have changed since the 2018 presentation.

DSF Cash Flow: every 2 year Debt Issues



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	Budget	Total Spent	Balance
Issue Costs - 2014 Bond	76,347	76,347	0
Issue Costs 2016 Bond	161,319	161,319	0
Bond Arbitrage	3,900	3,900	0
Voice Over IP - Phone System	254,700	252,536	2,164
Town-Wide Financial & Operational Software	773,052	773,052	0
Town Hall Roof Replacement	198,789	191,385	7,404
Flashing Beacons	21,751	21,751	0
STORM DRAINAGE	26,000	25 426	574
Marshall Rd Nutley Storm Drainage (con't from 2012)	26,000	25,426	574
Village Green Storm Drainage Improvements	48,970	40,573	8,397
Center Street N Storm Drainage A&E (con't from 2012)	25,000	24,834	166
Nelson Drive NE Storm Drainage A&E	0	0	0
Center Street S/Battle St SW Storm Drainage Improvements	11,000	0	11,000
Ninovan & Talahi Storm Drain Improvements	200,000	0	200,000
Hunters Branch Stream Restoration	1,448,375	1,350,923	97,452
Wolftrap Creek Grant Reimbursement	929,000	918,848	10,152
Community Center Renovation	12,903,019	12,903,019	0
Community Center HVAC Repair	22,000	22,000	0
Glyndon Field Turf & Lights	660,000	656,479	3,521
Waters Field Restoration	581,692	581,692	0
Freeman House Bridge (20% match)	25,000	6,000	19,000
Follin Lane Rev Share Reconstruct (congestion relief)	2,598,808	2,584,064	14,744
Maple/Lawyers	26,347	26,347	0
Project Complete			

2014/2016 Bond Issue: Projects by Category Actuals 6/30/18 as of 8/8/18

	Budget	Total Spent	Balance
Maple and Park Signal	900,000	23,647	876,353
Maple & Center Traffic Signal	37,391	37,391	0
Traffic Signals - Maple Avenue II - Lawyers & Center	655,000	648,764	6,236
Nutley/Courthouse	519,000	487,429	31,571
Nutley / Maple	25,797	25,797	0
SIDEWALKS TO METRO		-	
Sidewalks to Metro - Courthouse	291,500	291,296	204
Sidewalks to Metro - Cottage/Tapawingo	1,710,800	1,415,416	295,384
Sidewalks To Metro - Marshall / Kingsley	260,710	71,305	189,405
Marshall Road Sidewalk Improvements	1,660,000	1,120,223	539,777
WATER & SEWER PROJECTS			
Water Projects	585,975	585,975	0
Sewer Projects	228,948	228,948	0
Watermain Work - Glyndon Street SE	102,953	102,953	0
SCADA Upgrade	96,320	96,357	(37)
Maple Avenue Paving Extension	434,419	434,419	0
Maple Avenue IV A&E	466,375	466,375	0
East Street Sidewalk A&E	30,293	30,293	0
Engineering - Nutley Street Survey	17,274	17,274	0
Revenue Sharing Sidewalk Match	68,631	68,631	0
SAFE ROUTES TO SCHOOL			
SRTS Cunningham, Lullaby & Harmony	300,000	260,329	39,671
SRTS Along Cottage St (Vienna ES)	495 <i>,</i> 650	415,538	80,112
SRTS Old Courthouse Rd NE	132,731	51,645	81,086
Project Complete			
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2014/2016 Bond Issue: Projects by Category Actuals 6/30/18 as of 8/8/18

	Budget	Total Spent	Balance
Old Courthouse Sidewalks	200,000	168,428	31,572
SRTS Nutley & West Streets (Louise Archer ES)	363,328	80,894	282,434
W&OD Trail Connections	29,322	29,322	0
CURB, GUTTER & SIDEWALKS			
Curb, Gutter & Sidewalk Project – Lewis Street NW	24,864	24,864	0
Sidewalk Petition Project – Ayito Road SE	331,002	331,002	0
Curb, Gutter & Sidewalk Project – Glyndon Street NE	538,766	247,166	291,600
Curb, Gutter & Sidewalk Project – John Marshall Dr NW	329,573	329,573	0
Curb, Gutter & Sidewalk Project – Ayr Hill Avenue NW	0	0	0
Curb, Gutter & Sidewalk Project – Beulah Rd I	53,641	53,641	0
Crosswalk Improvements Lawyers & Blair NW	15,000	14,794	206
Park Street Roundabout	363,786	363,786	0
Freeman Store Lighting	3,000	1,847	1,153
Bilco Doors Bowman House	3,000	0	3,000
Nutley Stree Yard Bathrooms	20,000	9,969	10,031
Maple Ave Vision	16,659	0	16,659
Maple Ave Trees	5,000	4,814	186
PPEA A&E Costs	61,132	61,132	0
Project Complete			

	Budget	Total Spent	Balance
100% OTHER FUNDING		0	
Church Street, NE	96,241	42,203	54,038
Street Signs	24,795	24,795	0
Maple Avenue Rebuild James Madison Drive - Lawyers	835,000	180,537	654,463
Lawyers / Beulah	915,000	610,035	304,965
Nutley Repavement	1,000,000	605,760	394,240
TOTAL	35,376,344	30,817,461	4,558,887

Project Complete

Funding

(1) 50/50 TOV & VDOT Revenue Share

(2) 20/80 TOV & VDOT Revenue Share

(3) 100% VDOT Funded

(4) 100% VDOT / NVTA

(5) 100% Stormwater grants

(6) 100% C&I Tax (County)

2018 Bond Issue: Projects by Category Actuals 6/30/18 as of 8/8/18

	Funding	Budget	Total Spent	Balance
Bond Issuance Costs		200,673	200,673	0
Police Station A&E		1,774,000	0	1,774,000
Police Station Project Manager		75,000	0	75,000
Downtown Library Feasibility Study		75,000	0	75,000
Miscellaneous Sidewalk/Roadway Improvement	ts	150,000	16,493	133,508
Bowman House Roof Replacement		200,000	0	200,000
Dog Park Parking Lot Asphalt Paving		13,154	13,154	0
Meadow Lane Basketball & Tennis Courts		36,846	0	36,846
Northside Security Improvements		100,000	0	100,000
Power Line Feasibility Study		100,000	0	100,000
Fairfax Sewer Capital Improvements		2,500,000	0	2,500,000
Community Center Furniture and Equipment		200,000	0	200,000
Meadow Lane Restrooms		200,000	0	200,000
Town Hall Furniture and Equipment		75,000	0	75,000
WATER AND SEWER PROJECTS				
Rehab Sanitary Sewer Pipes		400,000	0	400,000
Water Main Replacements & Appurtenances		1,200,000	0	1,200,000
Miscellaneous Water & Sewer Projects		400,000	0	400,000
STORMWATER PROJECTS				
Piney Branch Stream Restoration	5	320,000	63,787	256,213
Cunningham Park Ct. Drainage	5	30,000	0	30,000
443 & 441 Orchard St. Drainage	5	25,000	0	25,000
200 Block Maple Ave Drainage	5	50,000	0	50,000
Town Hall Parking	5	115,000	29,000	86,000
Project Complete				

2018 Bond Issue: Projects by Category Actuals 6/30/18 as of 8/8/18

	Funding	Budget	Total Spent	Balance
100% OTHER FUNDING				
Church St NE Sidewalks	4	660,000	0	660,000
Park Street NE Sidewalks	4	855,000	0	855,000
Freeman Store Bridge Replacement	2	93,000	0	93,000
FUNDED FROM PREMIUM				
Town Hall HVAC Valves		15,000	0	15,000
Asphalt Mill and Overlay		150,000	0	150,000
Website Upgrade		20,000	0	20,000
CIP Signal Equipment		15,000	0	15,000
IT Network Infrastructure Upgrades		20,000	0	20,000
6 Solar Pole Mount Radar Speed Signs		33,000	0	33,000
Plan Permit Review Software		55,000	0	55,000
Community Center Irrigation		40,000	0	40,000
Contingency		200,038	0	200,038
TOTAL		10,395,711	323,106	10,072,605

Project Complete

Funding

(1) 50/50 TOV & VDOT Revenue Share

(2) 20/80 TOV & VDOT Revenue Share

- (3) 100% VDOT Funded
- (4) 100% VDOT / NVTA
- (5) 100% Stormwater grants
- (6) 100% C&I Tax (County)

2018A Bond Issue: Projects by Category Actuals 6/30/18 as of 8/8/18

	Funding	Budget	Total Spent	Balance
Bond Issuance Costs - 2018A		50,000	0	50,000
440 Beulah Road		720,000	711,149	8,851
Historic Building		2,000,000	7,000	1,993,000
Mill Street Parking	1	4,600,000	0	4,600,000
Contingency		150,000	0	150,000
TOTAL		7,520,000	718,149	6,801,851

<u>Funding</u>

(1) Half funded by NVTA 70% Pool

CIP FY 2019 - 2034

Capital Improvement Plan: 2018-19, Page 1 of 2

ect Title	TOV Funding	Other Funding	
Police Station Renovation - Engineering/Technical Plan Review	\$ 1,774,000	0	
Police Station Renovation - Project Manager/Consultant	75,000	0	
Church Street NE Sidewalk	0	660,000	NVTA
Park Street NE Sidewalk	0	855,000	VDOT 80% / 20
Miscellaneous Sidewalk and Roadway Public Improvements	150,000	0	
Northside Property Yard Security Improvements	100,000	0	
Power Line Feasibility and Cost Study	100,000	0	
100 Cunningham Park Court Drainage Improvements	0	30,000	Stormwater Fur
443 and 441 Orchard St NW Drainage Improvements	0	25,000	Stormwater Fur
200 Block Maple Ave W Drainage Improvements	0	50,000	Stormwater/ Bo
Northside Piney Branch Stream Restoration	0	320,000	FFX/SLAF
Freeman Store Bridge Replacement	0	93,000	80% VDOT RS/
Water and Sewer Projects	2,000,000	0	Bond Fund (W/
Fairfax Sewer Capital Improvements	2,500,000	0	Bond Fund (W/S

LEGEND
Police Dept
Dept Public Works
Parks & Rec
Finance / Human Resources
Planning and Zoning

Capital Improvement Plan: 2018-19	9, Page 2 of 2
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Project Change	Title	TOV Funding	Other Funding	
onange		l'of l'ululing	other Funding	
	East Street SE Drainage Study	0	50,000	Bond Fund (W/S rates)
	Kingsley SW & Tapawingo SW Traffic Calming Urban Bioretention	0	200,000	FFX
	Dog Park Parking Lot Asphalt Paving	50,000	0	
	Community Center Furniture & Fixtures	200,000	0	
	Bowman House Roof Replacement	200,000	0	
	Meadow Lane Restrooms Replacement	200,000	0	
	Public Facilities - Furniture, Fixtures and Equipment	75,000	0	
	Issuance Costs	250,000	0	
	Contingency	150,000	347,711	Bond Premium
*	Mill Street Parking Garage	2,300,000	2,300,000	Bonds/NVTA
*	Potential Property Acquisition	1,000,000	1,000,000	Bonds/Bond Premium
*	Beulah Road Building Acquisition	720,000	0	
	Updated Projects Total:	\$11,844,000	\$ 5,930,711	

LEGEND
Police
Public Works
Parks & Recreation
Finance / Human Resources
Planning and Zoning

Capital Improvement Plan: 2020, Page 1 of 2

Project Change	Title	TOV Funding	Other Funding	
onunge	Police Station Renovation - Construction	\$ 14,000,000	0	
	Police Station Renovation - Project Manager/Consultant	300,000	0	
	Echols Street SE - Reconstruction	350,000	350,000	VDOT 50/50 Rev Share
	Miscellaneous Roadway Improvements, Mill & Overlay	300,000	0	
*	Water and Sewer Projects	5,400,000	0	Bond Fund (W/S rates)
	Fairfax Sewer Capital Improvements	2,500,000	0	Bond Fund (W/S rates)
	100 Cunningham Park Court Drainage Improvements	0	50,000	Stormwater Fund
	443 and 441 Orchard Street NW Drainage Improvements	0	40,000	Stormwater Fund
	200 Block Maple Avenue W Drainage Improvements	150,000	0	
	Northside Piney Branch Stream Restoration	0	1,000,000	FFX/DEQ SLAF
*	Nutley Road Trail Project	0	272,000	VDOT RS/ I-66 Concession
*	Town Hall Improvements	200,000	0	
*	Hawk Signal & Crosswalk	0	120,000	NVTA
*	Central Business District Wayfinding Signage (Phase I)	40,000	0	
*	Town Green Concession Stand	50,000	0	
*	W&OD Trail Crosswalk Improvements	15,000	0	

LEGEND
Police
Public Works
Parks & Recreation
Finance / Human Resources
Planning and Zoning

Project Change	Title	TOV Funding	Other Funding
*	Automated External Defibrillator (AED) Replacements	47,600	0
	Community Center Emergency Generator	250,000	0
*	Glyndon Park Restrooms/Concessions	75,000	0
*	Town Green Site Improve	50,000	0
*	Repave Nutley Property Yard	25,000	0
*	Community Center Integration Boilers & Pumps into HVAC	20,000	0
*	Maple Avenue Street Light Banners and Hardware	25,000	0
*	Refurbish Nutley Street Garage	20,000	0
	Issuance Costs	350,000	0
	Contingency	500,000	0
	Updated Projects Total:	\$ 24,667,600	\$ 1,832,000

Capital Improvement Plan: 2020, Page 2 of 2

LEGEND Police Public Works Parks & Recreation Finance / Human Resources Planning and Zoning

Project Change	Title	TOV Funding	Other Funding	
Change	Church Street NE & East Street NE Mini-Roundabout	0	500,000	NVTA/ Smartscale
*	Glyndon NE Roadway Improvement Project	200,000	1,000,000	Stormwater/VDOT/Bond
	Northside Property Yard Drainage Improvements	500,000	500,000	Stormwater/ Bond
	Kenyon Lane NE Trail	0	500,000	VDOT RS/ NVTA
	Roadway Reconstruction	450,000	450,000	VDOT RS/ Bond Funds
	Ayr Hill Sidewalks	500,000	1,500,000	Bond/ VDOT/ NVTA
	Miscellaneous Roadway Improvements, Mill & Overlay	300,000	0	
	Bear Branch Southside Park Stream Restoration	0	1,590,000	FFX
*	Water and Sewer Projects	5,535,000	0	Bond Fund (W/S rates)
	Fairfax Sewer Capital Improvements	2,500,000	0	Bond Fund (W/S rates)
*	Asphalt Milling Machine	520,000	0	
*	Southside Park Trails	0	1,100,000	NVTA
*	Town Hall Improvements	100,000	0	
*	Central Business District Wayfinding Signage (Phase II)	60,000	0	
*	Town Green Splash Pad	300,000	0	
*	Central Business District String Lights	40,000	0	

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LEGEND
Police
Public Works
Parks & Recreation
Finance / Human Resources
Planning and Zoning

	Capital Improvement Plan: 2022, Page 2 of 2	2	
Project Change	Title	TOV Funding	Other Funding
	Meadow Lane Playground Equipment and Surfacing	300,000	0
*	Glyndon Park Parking Lot Replacement	300,000	0
	Southside Park Playground Equipment and Surfacing	200,000	0
*	Southside Park Ball Field # 1 Refurbishment	700,000	0
	Issuance Costs	264,100	0
	Contingency	200,000	0
	Updated Projects Total:	\$ 12,969,100	\$ 7,140,000

LEGEND
Police
Public Works
Parks & Recreation
Finance / Human Resources
Planning and Zoning

Project Change	Title	TOV Funding	Other Funding	
	Revenue Sharing Sidewalk Match	250,000	250,000	VDOT RS
*	Mashie Drive SE Sidewalks	375,000	375,000	Rev Share
*	Miscellaneous Roadway Improvements, Mill & Overlay	300,000	0	
*	Water and Sewer Projects	5,673,375	0	Bond Fund (W/S rates)
	Fairfax Sewer Capital Improvements	3,000,000	0	Bond Fund (W/S rates)
*	Reserve for Underground Utilities	500,000	0	х, , , , , , , , , , , , , , , , , , ,
	East Creek Trail Paving	0	50,000	NVTA
*	Meadow Lane Park Softball Field Refurbishment	600,000	0	
	Issuance Costs	214,000	0	
			-	
	Contingency	200,000	0	
	Updated Projects Total:	\$ 11,112,375	\$ 675,000	

LEGEND
Police
Public Works
Parks & Recreation
Finance / Human Resources
Planning and Zoning

Project Change	Title	TOV Funding	Other Funding	
	Revenue Sharing Sidewalk Match	250,000	250,000	VDOT RS
*	Miscellaneous Roadway Improvements, Mill & Overlay	300,000	0	
	Nelson Drive NE Road Improvements	250,000	750,000	VDOT Rev Sh/ NVTA
*	Water and Sewer Projects	5,815,200	0	Bond Fund (W/S rates)
	Fairfax Sewer Capital Improvements	3,000,000	0	Bond Fund (W/S rates)
*	Reserve for Underground Utilities	500,000	0	
	Glyndon Park Nature Playground	300,000	0	
	Glyndon Park Replacement Turf	225,000	0	
	Waters Field Synthetic Turf Replacement	720,000	0	
	Issuance Costs	239,000	0	
	Contingency	250,000	0	
	Updated Projects Total:	\$ 11,849,200	\$ 1,000,000	

LEGEND
Police
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Finance / Human Resources
Planning and Zoning

Project Change	Title	TOV Funding	Other Funding	
Change	Revenue Sharing Sidewalk Match	250,000	250,000	VDOT RS
		200,000	200,000	VBOTING
	Center Street N Drainage Improvements	1,700,000	300,000	Stormwater/ Bond
	Storm Drainage Projects: Unidentified Locations	500,000	0	
	Streets/High Crown Roads: Unidentified Locations	590,000	590,000	VDOT RS
	Eliminate Deep Roadside Ditch: Berry Street SE	1,000,000	1,000,000	
	Glyndon Street SE Road Improvements	250,000	1,250,000	VDOT Rev Sh/ NVTA
*	Miscellaneous Roadway Improvements, Mill & Overlay	300,000	0	
*	Water and Sewer Projects	5,960,600	0	Bond Fund (W/S rates)
	Fairfax Sewer Capital Improvements	3,000,000	0	Bond Fund (W/S rates)
*	Reserve for Underground Utilities	500,000	0	
*	Meadow Lane Pavillion Refurbishment	30,000	0	
	Glyndon Park Restrooms	75,000	0	
	Branch Road Playground Equipment and Surfacing	200,000	0	
	Issuance Costs	275,300	0	
	Contingency	300,000	0	
	Updated Projects Total:	\$ 14,930,900	\$ 3,390,000	

LEGEND					
Police					
Public Works					
Parks & Recreation					
Finance / Human Resources					
Planning and Zoning					

Project Change	Title	TOV Funding	Other Funding	
	Revenue Sharing Sidewalk Match	250,000	250,000	VDOT RS
*	Miscellaneous Roadway Improvements, Mill & Overlay	300,000	0	
*	Water and Sewer Projects	6,109,600	0	Bond Fund (W/S rates)
	Fairfax Sewer Capital Improvements	3,500,000	0	Bond Fund (W/S rates)
*	Reserve for Underground Utilities	500,000	0	
	Northside Park Asphalt Trail Construction and Replacement	250,000	0	
	Issuance Costs	218,200	0	
	Contingency	100,000	0	
	Updated Projects Total:	\$ 11,227,800	\$ 250,000	

LEGEND
Police
Public Works
Parks & Recreation
Finance / Human Resources
Planning and Zoning

Project Change	Title	TOV Funding	Other Funding	
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	Revenue Sharing Sidewalk Match	500,000	500,000	VDOT RS
*	Miscellaneous Roadway Improvements, Mill & Overlay	300,000	0	
	Street Improvements	750,000	750,000	VDOT RS
*	Stormwater Drainage Improvements	500,000	0	
*	Water and Sewer Projects	6,262,300	0	Bond Fund (W/S rates)
	Fairfax Sewer Capital Improvements	3,500,000	0	Bond Fund (W/S rates)
*	Reserve for Underground Utilities	500,000	0	
	Recreational Facilities Study	100,000	0	
	Issuance Costs	248,200	0	
	Contingency	150,000	0	
	Updated Projects Total:	\$ 12,810,500	\$ 1,250,000	

LEGEND
Police
Public Works
Parks & Recreation
Finance / Human Resources
Planning and Zoning

Project Change	Title		TOV Funding	о	ther Funding	
	Operations & Maintenance Campus Study		125,000		0	
	Revenue Sharing Sidewalk Match		500,000		500,000	VDOT RS
*	Miscellaneous Roadway Improvements, Mill & Overlay		300,000		0	
	Street Improvements		750,000		750,000	VDOT RS
*	Stormwater Drainage Improvements		500,000		0	
*	Water and Sewer Projects	·	6,419,000		0	Bond Fund (W/S rates)
	Fairfax Sewer Capital Improvements		3,500,000		0	Bond Fund (W/S rates)
*	Reserve for Underground Utilities		500,000		0	
	Recreational Facilities A&E		1,000,000		0	
	Issuance Costs		272,000		0	
	Contingency	•	150,000	•	0	
	Updated Projects Total:	\$	14,016,000	\$	1,250,000	
	Total Projects:	\$	125,427,475	\$	22,717,711	

LEGEND					
Police					
Public Works					
Parks & Recreation					
Finance / Human Resources					
Planning and Zoning					

	OUTSTANDING	PERCENT OF ASSESSED	STATUTORY	
YEAR	DEBT BALANCE	VALUE *	DEBT LIMIT	
2019	\$29,222,710	0.58%	\$ 500,377,693	10% of RE
2020	\$26,322,995	0.51%		Assessed Value
2021	\$46,902,928	0.88%		
2022	\$42,860,413	0.78%		
2023	\$51,266,564	0.91%		
2024	\$46,745,796	0.81%		
2025	\$52,633,376	0.88%		
2026	\$47,444,530	0.77%		
2027	\$53,379,460	0.84%		
2028	\$47,744,164	0.73%		
2029	\$56,073,113	0.83%		
2030	\$49,813,082	0.72%		
2031	\$54,491,533	0.76%		
2032	\$47,955,055	0.65%		
2033	\$53,749,250	0.71%		
2034	\$47,522,545	0.61%		

*Assuming 3% growth in Assessed Value per year