2020 – 2024 Tentative Capital Plan

Five-Year $54.5 Million Plan

Capital Investment Schedule with Expected Funding Sources

Michael Cohen, CPA, Town Comptroller
Cherie Gitto, Chief Accountant
Paul Penman, PE, Deputy Commissioner of Public Works

2019 Budget Schedule

Town Board Meetings & Workshops
Unless otherwise noted all meetings begin at 6:00 pm
Town Board Meetings will be Webcast & Archived

• **Workshop/Program Discussion**	✓	August 26 – 4pm (workshop)
• **Capital Plan**		September 11 Town Board
• **Tentative Budget Presentation**		September 25 Town Board
• **Continuing Budget Discussion**		October 10 Town Board
• **Public Hearing/Preliminary Budget**		October 23 Town Board
• **Final Budget Adoption**		November 13 Town Board

"2020 Town Budget"
link on the Town website
provides comprehensive information
and is regularly updated

Accountability * Integrity * Reliability

Purpose of the Capital Plan

- Look across 5 years to focus on the Town's goals, needs, and financial capacity
- Guide difficult decisions on how to optimize limited Town resources
  - 12% of Bethlehem property taxes are allocated to the provide all services
- Spending decisions are made through the operating budget

The Capital Plan is not binding. It's a tool that's reevaluated annually.

Process

To balance goals and emerging demands within a sustainable financial plan, we:

- Evaluate the effects on future operations, debt limit, and reserves
- Consider only projects and equipment deemed essential by Town departments
- Identify appropriate financing
- Reduce the need for debt and taxes by leveraging grants and alternative funding
- Incorporate items identified as operating expenses into our operating budget
- Tie this information to our multi-year budget

$54.5 Million 5-Year Capital Plan

BUDGET FUND	2020 Draft Capital Plan Summary by BUDGET FUND				
	2020	2021	2022	2023	2024
General Fund	$ 6,834,005	$1,275,000	$ 5,906,232	$ 4,444,500	$ 286,367
Highway Fund	$ 1,383,297	$1,184,647	$ 1,378,914	$ 1,824,145	$ 1,645,388
Water Fund	$ 7,351,000	$2,482,000	$ 1,182,800	$ 4,363,000	$ 3,413,000
Sewer Fund	$ 3,175,000	$ 960,000	$ 2,790,000	$ 710,000	$ 1,910,000
TOTAL	**$18,743,302**	**$5,901,647**	**$11,257,946**	**$11,341,645**	**$ 7,254,754**

FUNDING SOURCE	2020 Draft Capital Plan Summary by FUNDING SOURCE				
	2020	2021	2022	2023	2024
Operating	$ 2,076,500	$2,362,350	$ 1,802,850	$ 1,856,348	$ 1,894,457
Capital Reserve	$ 3,787,977	$ 882,297	$ 632,297	$ 967,297	$ 582,297
New Debt Borrowing	$ 1,658,000	$1,541,000	$ 4,397,000	$ 8,086,000	$ 4,461,000
Bonded *	$ 5,098,400	$ -	$ 45,800	$ -	$ -
Grant	$ 5,787,175	$ 481,000	$ 4,365,000	$ 417,000	$ 317,000
Parkland Set Aside	$ 335,250	$ 635,000	$ 15,000	$ 15,000	$ -
TOTAL	**$18,743,302**	**$5,901,647**	**$11,257,946**	**$11,341,645**	**$ 7,254,754**

* Funding through debt which has already been received.

Large Projects 2020-2024

Fund	Description of Project	Reason	Cost Schedule 5-Year Period	Recommended/Scheduled for 5-Yr. Period 2020	2021	2022	2023	2024
GF	Police Vehicles (Operating)	Replacement	676,000	130,000	136,500	136,500	136,500	136,500
GF	Court Security/Police Renovations (Debt)	Health/Safety	4,000,000				4,000,000	
GF	Glenmont Rd Roundabout and Sidewalks (Grant)	Service	3,277,600	3,277,600				
GF	Glenmont Rd Roundabout and Sidewalks (Bonded)	Service	769,400	769,400				
GF	Delaware Ave Complete Streets and Road Diet (Grant)	Health/Safety	4,472,000	260,000	164,000	4,048,000		
GF	Delaware Ave Complete Streets and Road Diet (Debt)	Health/Safety	728,000	65,000	41,000	622,000		
GF	Parks Pool Improvements -Olympic (Debt)	Health/Safety	900,000			900,000		
HF	Annual Paving Program (Operating)	Preventative	2,027,907	367,000	385,350	404,618	424,848	446,091
HF	Annual Paving Program (Grant)	Preventative	1,585,000	317,000	317,000	317,000	317,000	317,000
HF	Blessing & Krumkill Intersection Improv. (Debt)	Health/Safety	100,000				100,000	
HF	Blessing & Krumkill Intersection Improv. (Grant)	Health/Safety	575,000			75,000	500,000	
HF	Wemple & River Rd intersection improvements	Health/Safety	500,000			100,000		400,000
HF	Fleet Purchases (Capital Reserve)	Replacement	2,491,484	562,297	482,297	482,297	482,297	482,297
HF	Fleet Purchases (Operating)	Replacement	137,000	137,000				
WF	Elm Ave Water Tank Rehabilitation (Debt)	Health/Safety	640,000				640,000	
WF	Elm Ave Water Tank Rehabilitation (Bonded)	Health/Safety	45,800	45,800				
WF	Water Tank Rehab -Selkirk, Elm Exterior, Kenwood (Debt)	Health/Safety	1,457,000				736,000	721,000
WF	Dam Safety Improvements (Debt)	Compliance	650,000				60,000	590,000
WF	NSWTP - DBP / WTP Improvement (Debt)	Health/Safety	3,650,000			400,000	2,000,000	1,250,000
WF	CRWTP - Pre-treatment and plant rehab (Debt)	Compliance	4,300,000	4,300,000				
WF	CRWTP - Pre-treatment and plant rehab (Grant)	Compliance	1,500,000	1,500,000				
WF	Water Main Replacements (Operating)	Preventative	2,600,000	300,000	500,000	600,000	600,000	600,000
WF	Water Main Replacements (Capital Reserve)	Preventative	100,000		100,000			
WF	Water Main Replacements (Debt)	Preventative	300,000	300,000				
WF	Raw Water Reservoir Dredging	Compliance	1,500,000		1,500,000			
SF	Force Main Replace & Rehabilitation (Operating)	Replacement	635,000	35,000	150,000	150,000	150,000	150,000
SF	Force Main Replace & Rehabilitation (Capital Reserve)	Replacement	115,000	115,000				
SF	Sewer Lining & Rehabilitation (Operating)	Replacement	1,250,000	250,000	250,000	250,000	250,000	250,000
SF	Pump Station Rehabilitation (Debt)	Health/Safety	4,000,000	1,000,000		1,500,000		1,500,000
SF	Pump Station Rehabilitation (Capital Reserves)	Health/Safety	1,000,000	1,000,000				

Large Projects/Equipment Purchases	19	Large Projects	45,982,191	14,731,097	4,026,147	9,985,414	10,396,645	6,842,888
Total Projects/Equipment	119	Total Plan	54,499,294	18,743,302	5,901,647	11,257,946	11,341,645	7,254,754
Percentage of Total Plan	15.9%	% Large to Plan	84.37%	78.59%	68.22%	88.70%	91.67%	94.32%

Projects/Equipment purchases > $500K are considered large for this purpose

Non-Recurring & Recurring Large Projects 2020-2024

Fund	Description of Project	Reason	Cost Schedule 5-Year Period	Recommended/Scheduled for 5-Yr. Period 2020	2021	2022	2023	2024
GF	Court Security/Police Renovations (Debt)	Health/Safety	4,000,000				4,000,000	
GF	Glenmont Rd Roundabout and Sidewalks (Grant)	Service	3,277,600	3,277,600				
GF	Glenmont Rd Roundabout and Sidewalks (Bonded)	Service	769,400	769,400				
GF	Delaware Ave Complete Streets and Road Diet (Grant)	Health/Safety	4,472,000	260,000	164,000	4,048,000		
GF	Delaware Ave Complete Streets and Road Diet (Debt)	Health/Safety	106,000	65,000	41,000			
GF	Parks Pool Improvements -Olympic (Debt)	Health/Safety	900,000			900,000		
HF	Blessing & Krumkill Intersection Improv. (Debt)	Health/Safety	100,000				100,000	
HF	Blessing & Krumkill Intersection Improv. (Grant)	Health/Safety	575,000			75,000	500,000	
HF	Wemple & River Rd intersection improvements	Health/Safety	500,000			100,000		400,000
WF	Elm Ave Water Tank Rehabilitation (Debt)	Health/Safety	640,000				640,000	
WF	Elm Ave Water Tank Rehabilitation (Bonded)	Health/Safety	45,800	45,800				
WF	Water Tank Rehab -Selkirk, Elm Exterior, Kenwood (Debt)	Health/Safety	1,457,000				736,000	721,000
WF	Dam Safety Improvements (Debt)	Compliance	650,000				60,000	590,000
WF	NSWTP - DBP / WTP Improvement (Debt)	Health/Safety	3,650,000			400,000	2,000,000	1,250,000
WF	CRWTP - Pre-treatment and plant rehab (Debt)	Compliance	4,300,000	4,300,000				
WF	CRWTP - Pre-treatment and plant rehab (Grant)	Compliance	1,500,000	1,500,000				
WF	Raw Water Reservoir Dredging	Compliance	1,500,000		1,500,000			
GF	Police Vehicles (Operating)	Replacement	676,000	130,000	136,500	136,500	136,500	136,500
HF	Annual Paving Program (Operating)	Preventative	2,027,907	367,000	385,350	404,618	424,848	446,091
HF	Annual Paving Program (Grant)	Preventative	1,585,000	317,000	317,000	317,000	317,000	317,000
HF	Fleet Purchases (Capital Reserve)	Replacement	2,491,484	562,297	482,297	482,297	482,297	482,297
HF	Fleet Purchases (Operating)	Replacement	137,000	137,000				
WF	Water Main Replacements (Operating)	Preventative	2,600,000	300,000	500,000	600,000	600,000	600,000
WF	Water Main Replacements (Capital Reserve)	Preventative	100,000		100,000			
WF	Water Main Replacements (Debt)	Preventative	300,000	300,000				
SF	Pump Station Rehabilitation (Debt)	Health/Safety	4,000,000	1,000,000		1,500,000		1,500,000
SF	Pump Station Rehabilitation (Capital Reserves)	Health/Safety	1,000,000	1,000,000				
SF	Force Main Replace & Rehabilitation (Operating)	Replacement	635,000	35,000	150,000	150,000	150,000	150,000
SF	Force Main Replace & Rehabilitation (Capital Reserve)	Replacement	115,000	115,000				
SF	Sewer Lining & Rehabilitation (Operating)	Replacement	1,250,000	250,000	250,000	250,000	250,000	250,000

Recurring Large Projects/Equipment Purchases	6	16,917,391	4,513,297	2,321,147	3,840,414	2,360,645	3,881,888
Total Projects/Equipment	19	54,499,294	18,743,302	5,901,647	11,257,946	11,341,645	7,254,754
		31.04%	24.08%	39.33%	34.11%	20.81%	53.51%

Major Projects (>$1 Million)

	Town	Grant
• Clapper Road Water Treatment Plant	$4.3M	$1.5M
• Del Ave Complete Streets/Road Diet	$0.7M	$4.5M
• Sewer Pump Stations replacement/rehab	$5.0M	
• Glenmont Roundabout & Sidewalks	$0.8M	$3.3M
• Court Security/Police Station renovations	$4.0M	
• New Salem Water Treatment Plant	$3.7M	
• Annual Street Paving	$2.0M	$1.6M
• Water Mains replacement/looping	$3.0M	
• Highway Equipment/Fleet Purchases	$2.6M	
• Water Tank Rehabilitations	$2.1M	
• Raw Water Reservoir Dredging	$1.5M	
• Sewer Lines relining/rehab	$1.25M	

General Fund – Highway Fund – Water Fund – Sewer Fund

Major Projects (>$1 Million)

	Town	Grant
• Clapper Road Water Treatment Plant	$4.3M	$1.5M
• Del Ave Complete Streets/Road Diet	$0.7M	$4.5M
• Sewer Pump Stations replacement/rehab	$5.0M	
• Glenmont Roundabout & Sidewalks	$0.8M	$3.3M
• Court Security/Police Station renovations	$4.0M	
• New Salem Water Treatment Plant	$3.7M	
• Annual Street Paving	$2.0M	$1.6M
• Water Mains replacement/looping	$3.0M	
• Highway Equipment/Fleet Purchases	$2.6M	
• Water Tank Rehabilitations	$2.1M	
• Raw Water Reservoir Dredging	$1.5M	
• Sewer Lines relining/rehab	$1.25M	

12 Projects

General Fund – Highway Fund – Water Fund – Sewer Fund

Major Projects (>$1 Million)

	Town	Grant
• Clapper Road Water Treatment Plant	$4.3M	$1.5M
• Del Ave Complete Streets/Road Diet	$0.7M	$4.5M
• Sewer Pump Stations replacement/rehab	$5.0M	
• Glenmont Roundabout & Sidewalks	$0.8M	$3.3M
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• Water Tank Rehabilitations	$2.1M	
• Raw Water Reservoir Dredging	$1.5M	
• Sewer Lines relining/rehab	$1.25M	

$42 Million

General Fund – Highway Fund – Water Fund – Sewer Fund

Major Projects (>$1 Million)

	Town	Grant
• Clapper Road Water Treatment Plant	$4.3M	$1.5M
• Del Ave Complete Streets/Road Diet	$0.7M	$4.5M
• Sewer Pump Stations replacement/rehab	$5.0M	
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General Fund – Highway Fund – Water Fund – Sewer Fund

Capital Reserve Funds

Fund	Proposed 2020 2020	2021	2022	2023	2024	Total
General Fund	1,350,680	100,000	100,000	100,000	100,000	1,750,680
Highway Fund	562,297	482,297	482,297	482,297	482,297	2,491,484
Water Fund	125,000	100,000	-	85,000	-	310,000
Sewer Fund	1,750,000	200,000	50,000	300,000	-	2,300,000
	3,787,977	**882,297**	**632,297**	**967,297**	**582,297**	**6,852,164**

Present Unassigned Capital Reserve Balances

	Available	Difference from Request
General Fund	1,738,081	(12,599)
Highway Fund	2,513,913	22,429
Water Fund	459,582	149,582
Sewer Fund	2,384,117	84,117
	7,095,693	**243,529**

* Based on present information, funding that is anticipated for the 2020 Budget

Proposed New Debt Service

Looking To The Future

Budgeting impact 2021 and beyond

Description of Capital	Fund	Total Proposed New Debt Service 2021	2022	2023	2024	2025
Delaware Ave Complete Streets and Road Diet	GF	5,805	9,466	65,011	65,011	65,011
Reline/Replace gutters for Olympic pool	GF		0	80,370	80,370	80,370
Court Security / Police Renovations	GF		0	0	254,586	254,586
Replace 20 year old 200K generator	GF		0	0	13,395	13,395
Fleet Purchase Enclosed utility van, LD Dump truck (533-23.01)	HW		0	6,697	51,347	51,347
Wemple & River Rd intersection improvements	HW		0	8,930	8,930	44,650
Unit#305; tandem, Roller, Trailer	WF	35,838	35,838	35,838	35,838	35,838
Looping and replacement of aging water mains	WF	17,261	17,261	17,261	17,261	17,261
Raw Water Reservoir Dredging	WF		86,304	86,304	86,304	86,304
Clarifier rehab; Recycle PS Improvements; Clearwell Improvmt's	WF		0	29,245	175,468	175,468
Elm ave engineering and construction (tank interior) $140K	WF		0	0	46,791	46,791
Dam Facilities and reservoir repairs/improv	WF		0	0	3,452	37,398
Buildings & Improvements	WF		0	0	53,810	106,523
Air Compressor Upgrade	SW			26,790	26,790	26,790
Replace Backup Bar Screen & UV Disinfection upgrade	SW			44,650	44,650	44,650
Pump Station Replacement/Rehabs	SW	57,536	57,536	143,840	143,840	230,144
GF Total		**5,805**	**9,466**	**145,381**	**413,361**	**413,361**
HW Total		**0**	**0**	**15,627**	**60,277**	**95,997**
WF Total		**53,099**	**139,403**	**168,647**	**418,924**	**366,181**
SF Total		**57,536**	**57,536**	**143,840**	**143,840**	**445,505**
***Total Proposed Annual Debt Costs BANS over 5yrs (2021-2025)**		**116,440**	**206,405**	**544,935**	**1,107,842**	**1,316,526**
Existing debt cost from previous bonding		**3,273,912**	**3,279,904**	**2,375,772**	**2,382,761**	**2,373,104**
Existing bonding plus proposed future bonding		**3,390,352**	**3,486,309**	**2,920,707**	**3,490,603**	**3,689,629**

***Based on the Capital Plan Projections**
Principal and Interest costs

Debt Limit

- In New York State, **Towns face a constitutional limit on debt**
  - ✓ Limit is a percentage of the full value of taxable properties
  - ✓ Calculated on a five-year average of full value, excluding debt for water supply/distribution and state-approved sewer exclusions

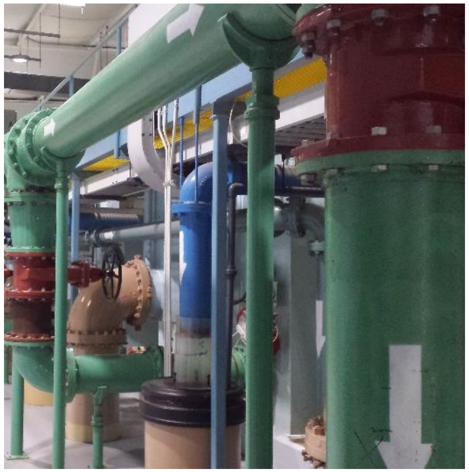
- **Estimated percentage of debt limit used** (based on Capital Plan as presented):

	Bethlehem		Colonie	Niskayuna	E. Greenbush
✓ 2019 (actual)	6.46%		10.92%*	10.74%*	15.20%*
✓ 2020	6.03%	Projected			
✓ 2021	6.06%	Projected			
✓ 2022	5.69%	Projected			
✓ 2023	6.73%	Projected			
✓ 2024	7.94%	Projected			

- **Bethlehem is nowhere near the State Comptroller's warning threshold** for concern about the debt limit

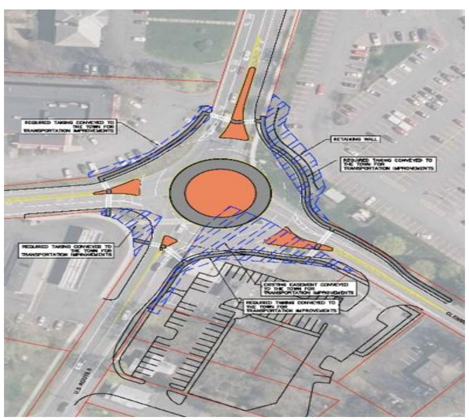
* Most recent data obtained from debt filings

Previously Bonded Ongoing Projects



Clapper Rd Water Treatment Plant - projected completion 2020

- Improving water quality and increasing output
- Replaces the costly Albany Water Contract expiring after 2023



Glenmont Roundabout & Sidewalks - projected completion 2020

- 9W traffic corridor and sidewalk connection to Glenmont Elementary School and sidewalk along Glenmont Road

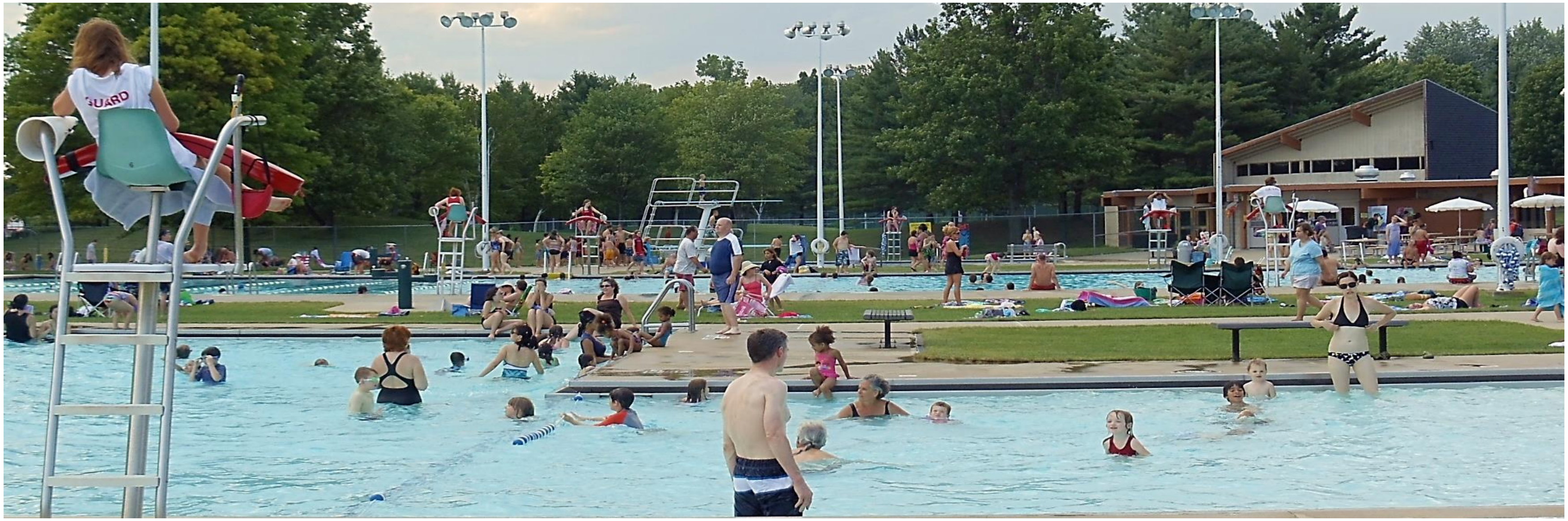
Water/Sewer Infrastructure

In addition to repairing breaks, the Town has been making proactive improvements for years

- Since 2017, Bethlehem has budgeted and spent between $550,000 and $700,000 annually for proactive water and sewer line improvements - $600,000 in spending identified for 2020
- Actively replacing old pipes and installing new lines to improve connections and resiliency (Delaware Ave, River Rd, Rose Ct, Normanskill Blvd, etc.)

Final Notes

- **The Capital Plan is updated each year** and is a dynamic tool for mapping out our needs and expectations.
- **The Capital Plan does not authorize projects or spending.** These are authorized in budget appropriations, bond resolutions, and other actions.
- **Our plan exceeds** the State Comptrollers' recommended practices.
- **The Town is undertaking several long-term projects**, each with budgetary impacts. Our multiyear budget process ensures that we are planning for these costs.



Questions?