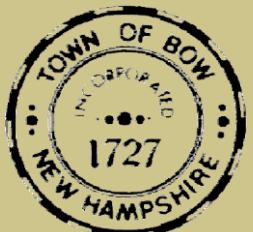


# TOWN OF BOW, NEW HAMPSHIRE

## Capital Improvements Plan FY2019-20 through FY2024-25

CIP Committee

2018



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## Introduction

The preparation and adoption of a Capital Improvements Plan (CIP) is an important part of Bow's planning process. A CIP aims to recognize and resolve deficiencies in existing public facilities and anticipate and meet future demand for capital facilities. A CIP is a multi-year schedule that lays out a series of municipal projects and their associated costs. Over the six-year period considered by the CIP, it shows how the Town should plan to expand or renovate facilities and services to meet the demands of existing or new population and businesses.

A CIP is an advisory document that can serve a number of purposes, among them to:

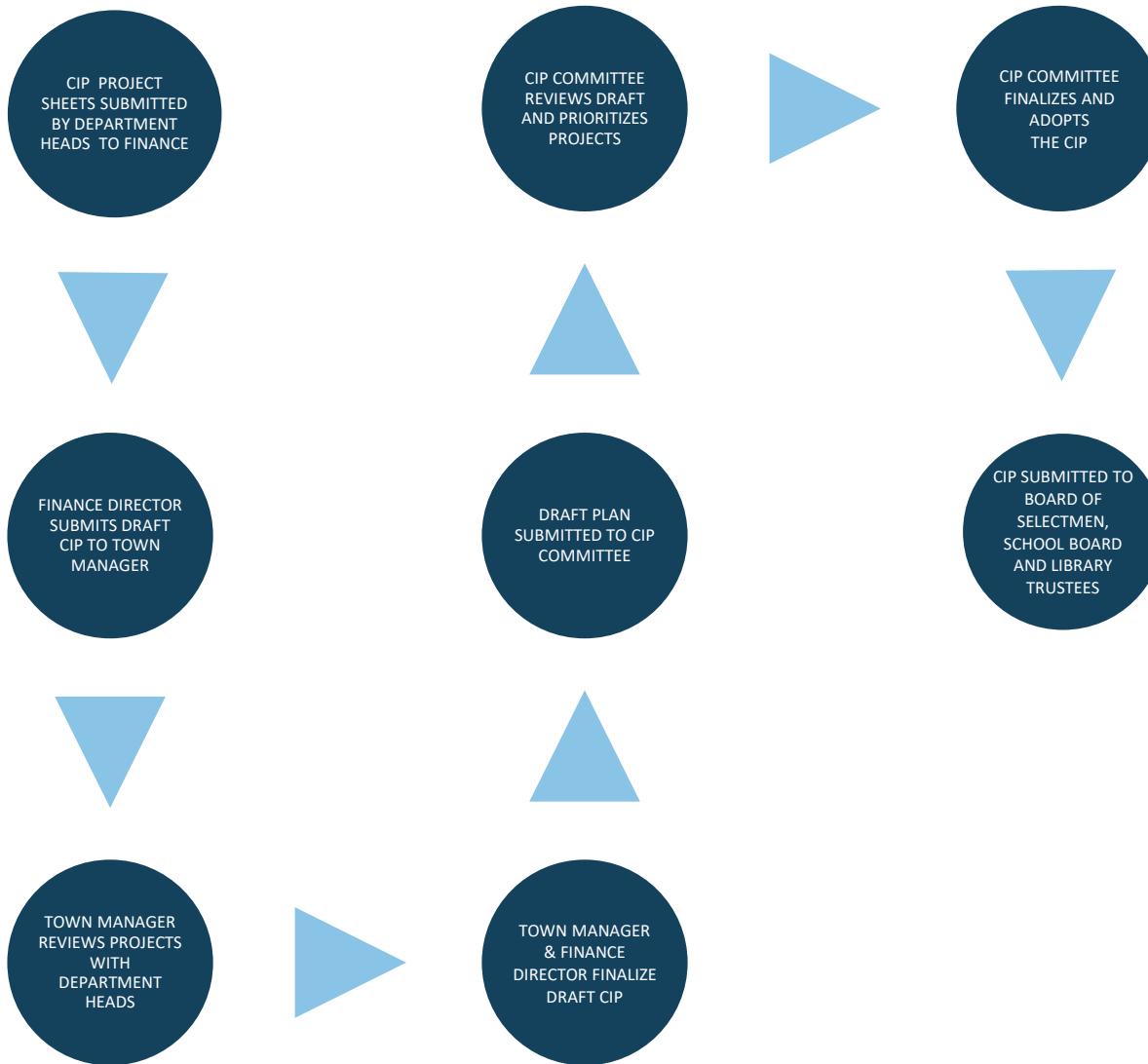
- Guide the Board of Selectmen, School Board, Library Trustees and the Budget Committee in the annual budgeting processes;
- Contribute to stabilizing the Town's real property tax rate;
- Aid the prioritization, coordination, and sequencing of various municipal improvements;
- Inform residents, business owners, and developers of planned improvements;
- Provide the necessary legal basis, continued administration and periodic updates of the Bow Impact Fee Ordinance.

It must be emphasized that the CIP is purely advisory in nature. Ultimate funding decisions are subject to the budgeting process and the annual Town Meeting. The CIP Committee is bringing Department project requests to the attention of the Town, along with recommended priorities, in the hope of facilitating decision making by the Town.

From the *2004 Bow Master Plan*:

"As the Master Plan was being written, it became evident that Bow is at a crossroads. With incremental growth creeping from southern portions of the State and the City of Concord continuing to evolve and expand as a regional source of employment, Bow will continue to grow and face new challenges and issues. Those who contributed to this plan did their best to plan for such changes and to suggest appropriate strategies that will accommodate reasonable growth while maintaining the rural atmosphere. It is the resolve of the Planning Board to faithfully and aggressively pursue the recommendations included in this document. The Master Plan is a document that outlines the kind of town Bow is now and the kind of town it would like to be, keeping in mind its importance as a community in central New Hampshire. It describes us today, forecasts where we are heading, and defines what we need to do over the next several years. Most importantly, we can see what we can achieve and, by committing it to paper for all to see, what our plan is for the future. It is to be a living document helping us to focus on the important issues of our times. We need each and every community member's efforts to bring fruition to the recommendations in this document."

## CIP Processes



## Financing Methods

In the project summaries below, there are several different financing methods used. Four methods require appropriations; either as part of the Town's annual operating budget or as independent warrant articles at Town Meeting.

- The ***1-Year Appropriation (GF)*** is the most common method, and refers to those projects proposed to be funded by real property tax revenues within a single fiscal year.
- The ***Capital Reserve (CRF)*** method requires appropriations over more than one year, with the actual project being accomplished only when the total appropriations meet the project cost.
- ***Lease/Purchase (LP)*** method has been used by the School District and other departments for the purchase of major vehicles.
- ***Bonds (BD)*** are generally limited to the most expensive capital projects, such as major renovations, additions, or new construction of school or municipal buildings or facilities, and allow capital facilities needs to be met immediately while spreading out the cost over many years in the future.
- ***Fund Balance (FB)*** may be used to finance capital projects as approved by Town Meeting.
- ***Impact fees (IF)*** are collected from new development to pay for new facility capacity and placed in a fund until they are either expended within six years as part of the project finance or they are returned to the party they were collected from.
- ***Grants (GR)*** are also utilized to fund capital projects in Bow. Typically, grants will cover a portion of the overall project cost, and the Town is responsible for the remaining percentage of the project cost.
- ***Tax Increment Financing (TIF)***. TIF Districts allow the Town to use increases in valuation of property to directly pay off bonds for infrastructure improvements and capital projects in the district. TIF Districts are set up and administered according to NH RSA's, Chapter 162-K.
- ***Public/Private Partnerships (PPP)*** Lastly, the Town can take advantage of ***Public/Private Partnerships***, where a private organization shares the costs of funding a capital project.
- ***To Be Determined (TBD)*** Uncertain of cost, funding or project timeline.

## Identification and Evaluation of Town's Capital Needs

The Bow CIP Committee uses worksheet forms that are filled out annually and submitted by the Town Manager and Select Board, Library Trustees, and School Board to identify potential capital needs and explain these project requests. Forms are tailored by the CIP Committee and the Finance Department to generate information that defines the relative need and urgency for projects, and which also enables long-term monitoring of the useful life and returns from projects. The CIP submittal form is included in Appendix B. After written descriptions of potential capital projects are submitted, requestors are asked to come before the CIP Committee, as needed, to explain their capital needs and priorities and to explore with the CIP Committee the alternative approaches available to achieve the optimum level of capital needs and improvements.

The CIP Committee evaluates the submitted requests and assigns them to the six-year schedule according to the priority of all capital requests. The following pages describe each of the requests that have been placed in the six year CIP program for projects exceeding \$ 25,000, and include: spreadsheets of the schedule, funding sources, tax impacts, and other required information. There are several projects included in this plan that fall below the \$25,000 threshold due to them being included and contributions being made to the Capital Reserve Funds prior to establishment of the CIP Committee. Projects not meeting either CIP criteria or projected six year window are identified as possible future projects.

## Conclusion and Recommendations

The Program of Capital Expenditures herein provides a guide for budgeting and development of Bow's public facilities. The CIP Committee will review and update the CIP each year prior to budget deliberations. The CIP may be modified each year based on changes in needs and priorities. As noted in the Plan, there are projects proposed where the CIP Committee has determined that there is not enough information to make a recommendation concerning a proposed capital project. These are topics in the opinion of the Committee that should be studied in further detail before funding decisions should be made.

The Capital Improvements Committee has worked hard over the past few months to improve the effectiveness of capital facilities programming in Bow. It is hoped that the improvements made during this time can continue to be refined and evaluated for their effectiveness in future years. The CIP Committee believes that Bow has made great strides in process and format of the Capital Improvements Plan and is hopeful that the improvements have made a difference to the Planning Board, Board of Selectmen, School Board, Library Trustees and Budget Committee as they prepare budgets each year.

The committee suggests the following:

- The Committee supports the proposal of the school administration of the School District to the School Board as part of the annual budget process, to submit a warrant article in the amount of \$350,000 to pay for architectural and engineering design costs as well as any other costs associated with the selection of a construction manager. These funds are proposed to be withdrawn from the current Bow School District Capital Reserve Fund. It is proposed that this take place at the March 2019 Annual Meeting. Pending approval of those funds, the work will take place so that the District will have a guaranteed maximum price that can then be taken to the March 2020 Annual Meeting for voter consideration. The renovation of Bow Elementary School would then take place over the Summer of 2020. The Committee recommends using an additional \$400,000 from the Bow School District CRF in order to minimize the amount of money to be bonded for the project. It is also the recommendation of the Committee to fund the Bow School District CRF with a contribution of \$300,000 and the BHS Capital Improvements CRF with a contribution of \$70,000 to fund the High School roof replacement.
- The Committee supports the extension of the water system along Route 3A to provide the Bow Junction area of town with clean, potable water.
- The Committee does not recommend the replacement of the Salt Shed due to its high cost and supports the efforts of the Salt Containment Committee established by the Board of Selectmen to look into more cost effective methods to prevent the road salt supply from leaching into the environment. That Committee is looking into construction of just a mixing shed and minor improvements to the salt shed and presenting it to the Board of Selectmen and Budget Committee.
- The Committee recognizes the need to address the deficiencies in the Community Center and recommends a contribution of \$50,000 to the Community Center CRF to fund future recommendations to address the issue.

- The Committee recommends delaying the Page Road Drainage project by two year to 2024-2025 in order to avoid having to increase the contribution to the Bridge and Highway Construction CRF.
- The Committee recommends delaying the construction of the Hanson Park Storage Building due to the increased costs and recommends further study on the utilization of the proposed building.

The Committee after much review has made the following recommendations for the contributions to the Capital Reserve Accounts and these recommendations are depicted in the individual capital reserve spreadsheets in this report:

- Level fund the Bridge and Highway Capital Reserve at \$120,000 for FY19/20 through FY24/25.
- Reduce the recommendation for the contribution to the Municipal Buildings and Grounds Capital Reserve from \$150,000 to \$65,000 for FY19/20 through FY24/25. The town continues to develop an inventory and replacement schedule for the major components of the town facilities and indications are that this funding will be enough to properly maintain all these facilities.
- Increase the recommendation for the contribution to the Public Works Highway Equipment Capital Reserve from \$155,000 to \$180,000 for FY19/20 through FY24/25 in order to fully fund the vehicle and equipment replacement schedule.
- Reduce the recommendation for the contribution to the Police Department Vehicles and Equipment Capital Reserve Account from \$70,000 to \$30,000 for FY19/20 through FY24/25 to recognize that the annual cruiser replacement will continue to be funded through the operating budget.
- Level fund the contribution to the Fire Department Trucks and Ambulances Capital Reserve at \$100,000 for FY19/20 through FY24/25.
- Reduce the recommendation for the contribution to the Fire Department Equipment Capital Reserve from \$42,000 to \$37,000 for FY19/20 through FY24/25 to more accurately fund the equipment replacement schedule.
- Level fund the contribution to the Parks and Recreation Department Improvements Capital Reserve at \$16,000 for FY19/20 through FY24/25.
- The Committee recommends increasing their recommendation for the Library Maintenance CRF from \$5,000 to \$20,000 in order to fund the replacement of the Air Conditioning Unit and Handlers in FY 22/23 and a contribution of \$8,000 to the Library Emergency Repair Capital Reserve in order to bring the fund up to the recommended \$25,000 level.

The Committee also reviewed the following changes that were made during the budget process to the capital reserve contribution levels that the committee had recommended.

Capital Reserve Fund	FY18/19 Committee Recommendation	2018 Town Meeting Approval	FY19/20 Committee Recommendation
Bridge & Highway Construction	\$120,000	\$100,000	\$120,000
Public Works Equipment	\$155,000	\$115,000	\$180,000
Fire Department Equipment	\$42,000	\$37,000	\$37,000
Police Equipment	\$70,000	\$29,000	\$30,000
Recreation Improvements	\$16,000	\$6,000	\$16,000
Municipal Buildings & Grounds	\$150,000	\$0	\$65,000
Fire Trucks	\$100,000	\$100,000	\$100,000
Library Emergency Repair	\$9,000	\$0	\$8,000
Library Building Maintenance	\$5,000	\$0	\$20,000
Community Center	\$5,000	\$0	\$50,000
<b>Total</b>	<b>\$672,000</b>	<b>\$387,000*</b>	<b>\$626,000</b>

The Committee recommends total contributions of \$626,000 to the capital reserve funds. This is a \$46,000 decrease over last year's recommendation, which is due to fine tuning of the contributions.

**\*The reduction in the 2018-19 Fiscal Year contributions was recommended by the Board of Selectmen and Budget Committee in order to minimize the increase in the tax rate due to the large tax abatement payment to Eversource.**

Respectfully Submitted,

Jeffrey Knight, Chair (Citizen Representative)  
Robert Louf, Vice Chair (School Board Representative)  
Dik Dagavarian (Citizen Representative)  
Glenn Dugas (Citizen Representative)  
Colleen Hunter (Select Board Representative)  
William Oldenburg (Planning Board Representative)  
Bob Arnold (Budget Committee Representative)

The Committee would like to thank the following for their assistance and valuable insight:

David Stack, Town Manager  
Geoff Ruggles, Finance Director  
Margaret Lougee, Police Chief  
Mitchell Harrington, Fire Chief  
Timothy Sweeney, Director of Public Works  
Cindy Rose, Parks and Recreation  
Noel Gourley, DPW Highway Foreman  
Lori Fisher, Library Director  
Library Trustees  
SAU #67 and the Bow School Board  
Duane Ford, Assistant Superintendent

Town of Bow Summary of Capital Improvement Projects and Funding							
Bridge and Highway Construction		Current	Est.				
Funding Source	Purchase / Project	Est. Cost	Life	2019-2020	2020-2021	2021-2022	2022-2023
<b>General Fund Taxation</b>							
Annual Road Paving		440,000	1	440,000	440,000	440,000	440,000
	<i>Total:</i>	<i>440,000</i>		<i>440,000</i>	<i>440,000</i>	<i>440,000</i>	<i>440,000</i>
<b>Bridge Capital Reserve Fund</b>							
			-	-	-	-	-
	<i>Total:</i>	<i>-</i>		<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>
<b>Beginning Capital Reserve Balance</b>			282,632	282,632	282,632	282,632	282,632
<b>Proposed Contribution</b>			-	-	-	-	-
<b>State Bridge Aid Reimbursement</b>							
<b>Proposed Expenditure</b>			-	-	-	-	-
<b>Ending Est. Capital Reserve Balance</b>			<b>282,632</b>	<b>282,632</b>	<b>282,632</b>	<b>282,632</b>	<b>282,632</b>
<b>Bridge &amp; Highway Construction Capital Reserve Fund</b>							
River Rd-Rte 3A Engineering		60,000		60,000	-	-	-
Bow Bog Road Engineering		60,000		60,000	-	-	-
River Rd/Rte 3A Intersection		250,000	50	-	255,000	-	-
Page Rd Drainage Engineering		60,000		-	-	-	64,946
Bow Bog Road culvert		300,000	50	-	-	312,120	-
Falcon Way/WhRock Int. Engineering		60,000		-	-	-	63,672
Page Road Drainage system		250,000	50	-	-	-	276,020
Page Road culvert - Br. London TPK		45,000	50	-	-	-	47,754
Page Road Bridge		830,700	50	-	-	-	899,176
Falcon Way/White Rock Hill Rd Inters		250,000	50	-	-	-	276,020
River Road Bridge		909,400	50	-	-	-	-
Garvin Falls Road Culvert		98,750	50	-	-	-	-
Birchdale Road Bridge		722,000	50	-	-	-	-
River Road culvert - boat ramp		50,000	50	-	-	-	-
So. Bow Road culverts (3)		120,000	50	-	-	-	-
White Rock Hill Culvert		40,000	50	-	-	-	-
	<i>Total:</i>	<i>4,545,850</i>		<i>120,000</i>	<i>255,000</i>	<i>312,120</i>	<i>111,427</i>
<b>Beginning Capital Reserve Balance</b>			642,478	642,478	507,478	315,358	323,931
<b>Proposed Contribution</b>			120,000	120,000	120,000	120,000	120,000
<b>State Bridge Aid Reimbursement</b>							665,360
<b>Proposed Expenditure</b>			(120,000)	(255,000)	(312,120)	(111,427)	(964,122)
<b>Ending Est. Capital Reserve Balance</b>			<b>642,478</b>	<b>507,478</b>	<b>315,358</b>	<b>323,931</b>	<b>145,169</b>
							<b>236,902</b>

**Town of Bow**  
**Summary of Capital Improvement Projects and Funding**

**Municipal Buildings and Grounds Capital Reserve Fund**

Funding Source	Current	Est.						
Purchase / Project	Est. Cost	Life	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	2024-2025
<b>General Fund Taxation</b>								
<b>Public Safety Center (2017)</b>								
Roof - asphalt	88,900	30	-	-	-	-	-	-
Exterior Walls - vinyl siding	86,800	30	-	-	-	-	-	-
Garage Doors	44,944	20	-	-	-	-	-	-
Flooring - carpet	66,300	10	-	-	-	-	-	-
HVAC	169,100	20	-	-	-	-	-	-
Generator	75,700	20	-	-	-	-	-	-
Paving	139,300	15	-	-	-	-	-	-
Drainage	25,000	50	-	-	-	-	-	-
<i>Total:</i>	<b>696,044</b>		-	-	-	-	-	-
<b>Municipal Office Building (1927)</b>								
Roof - asphalt	58,000	30	-	-	-	-	-	-
Exterior Walls - vinyl siding	41,850	30	-	-	-	-	-	-
Heating System	45,000	30	-	-	<b>46,818</b>	-	-	-
Air Conditioning	35,000	15	-	-	-	-	-	-
Generator	27,000	20	-	-	-	-	-	-
Electrical	85,000	50	-	-	<b>88,434</b>	-	-	-
Paving/Drainage	90,000	15	90,000	-	-	-	-	-
<i>Total:</i>	<b>381,850</b>		<b>90,000</b>	-	<b>135,252</b>	-	-	-
<b>Public Works Building (1987)</b>								
Roof - metal	165,000	50	-	-	-	-	-	-
Roof - membrane	25,000	20	-	-	-	-	-	-
Exterior Walls - metal	85,000	50	-	-	-	-	-	-
Exterior Walls - vinyl siding	25,000	30	-	-	-	-	-	-
Heating System	70,000	30	-	-	-	-	-	-
Air Conditioning	45,000	20	-	-	-	-	-	-
Generator	35,000	20	-	-	-	-	-	-
Fuel System Replacement	75,000	20	-	<b>76,500</b>	-	-	-	-
Paving	70,000	15	-	-	-	-	-	-
Drainage	25,000	50	-	-	-	-	-	-
Salt Shed & Mixing Shed	300,000	50	-	-	-	-	-	<b>331,224</b>
<i>Total:</i>	<b>920,000</b>		-	<b>76,500</b>	-	-	-	<b>331,224</b>
<b>Beginning Capital Reserve Balance</b>			<b>379,864</b>	<b>354,864</b>	<b>343,364</b>	<b>273,112</b>	<b>338,112</b>	<b>403,112</b>
<b>Proposed Contribution</b>			<b>65,000</b>	<b>65,000</b>	<b>65,000</b>	<b>65,000</b>	<b>65,000</b>	<b>65,000</b>
<b>Proposed Expenditure</b>			<b>(90,000)</b>	<b>(76,500)</b>	<b>(135,252)</b>	-	-	<b>(331,224)</b>
<b>Ending Est. Capital Reserve Balance</b>			<b>354,864</b>	<b>343,364</b>	<b>273,112</b>	<b>338,112</b>	<b>403,112</b>	<b>136,888</b>

**Town of Bow**  
**Summary of Capital Improvement Projects and Funding**

**Public Works Department**

Funding Source	Current	Est.	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	2024-2025
Purchase / Project	Est. Cost	Life						
<b>Public Works Capital Reserve Fund</b>								
2007 6 (10)-Wheel Dump Truck (T-6)	195,000	20	195,000	-	-	-	-	-
2004 Pickup Truck, Foreman	69,500	8	69,500	-	-	-	-	-
2010 1-Ton Utility Truck (T-9)	75,000	8	-	76,500	-	-	-	-
2008 6-Wheel Dump Truck (T-5)	157,000	15	-	160,140	-	-	-	-
2008 6-Wheel Dump Truck (T-4)	157,000	15	-	-	163,343	-	-	-
Field Shatter Tine Aerator (P&R)	30,000	20	-	-	31,212	-	-	-
2009 6-Wheel Dump Truck (T-3)	157,000	15	-	-	-	166,610	-	-
2012 1-Ton Dump Truck (T-10)	75,000	8	-	-	-	79,591	-	-
2013 Backhoe	145,000	9	-	-	-	-	156,953	-
1993 Sullair compressor	0	25	-	-	-	-	-	-
2014 Pickup Truck, PWD Dir.	34,500	10	-	-	-	-	-	38,091
2010 6-Wheel Dump Truck (T-2)	157,000	15	-	-	-	-	-	173,341
2000 Grader	297,000	20	-	-	-	-	-	-
2014 6-Wheel Dump Truck (T-1)	157,000	15	-	-	-	-	-	-
2015 Loader	200,000	12	-	-	-	-	-	-
Radios	50,000	8	-	-	-	-	-	-
2008 John Deere Mower (P&R)	25,000	10	-	-	-	-	-	-
2016 Excavator	116,000	10	-	-	-	-	-	-
2007 Jet & Vac	125,000	20	-	-	-	-	-	-
2012 Chipper	50,000	20	-	-	-	-	-	-
2010 Pickup Truck, Parks&Rec	59,500	12	-	-	-	-	-	-
2018 Tractor w / Mowing Attachment	115,000	15	-	-	-	-	-	-
2018 6-Wheel Dump Truck (T-7)	157,000	15	-	-	-	-	-	-
2017 10-Wheel Dump Truck (T-8)	195,000	20	-	-	-	-	-	-
<b>Total:</b>	<b>2,798,500</b>		<b>264,500</b>	<b>236,640</b>	<b>194,555</b>	<b>246,200</b>	<b>156,953</b>	<b>211,431</b>
<b>Beginning Capital Reserve Balance</b>			<b>422,890</b>	<b>338,390</b>	<b>281,750</b>	<b>267,195</b>	<b>200,995</b>	<b>224,042</b>
<b>Proposed Contribution</b>			<b>180,000</b>	<b>180,000</b>	<b>180,000</b>	<b>180,000</b>	<b>180,000</b>	<b>180,000</b>
<b>Proposed Expenditure</b>			<b>(264,500)</b>	<b>(236,640)</b>	<b>(194,555)</b>	<b>(246,200)</b>	<b>(156,953)</b>	<b>(211,431)</b>
<b>Ending Est. Capital Reserve Balance</b>			<b>338,390</b>	<b>281,750</b>	<b>267,195</b>	<b>200,995</b>	<b>224,042</b>	<b>192,611</b>
<b>Trade In Amounts:</b>	6-wheeler:		1-ton:	\$10,000			Pickup:	\$500

**Town of Bow**  
**Summary of Capital Improvement Projects and Funding**

**Fire Department**

Funding Source	Current	Est.						
Purchase / Project	Est. Cost	Life	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	2024-2025
<b>Fire Truck Capital Reserve Fund</b>								
2002 Pumper (E-3)	675,000	15	675,000	-	-	-	-	-
2008 Ambulance (A-2)	245,000	10	-	249,900	-	-	-	-
1-Ton Pickup Truck	75,000	8	-	76,500	-	-	-	-
2012 SUV (C-1)	50,000	10	-	-	-	53,060	-	-
2004 Forestry Truck	90,000	10	-	-	-	95,509	-	-
2009 Pumper (E-1)	650,000	15	-	-	-	-	-	717,653
2014 Ambulance (A-1)	245,000	10	-	-	-	-	-	-
2007 Rescue Truck (R-1)	200,000	20	-	-	-	-	-	-
2017 Tanker (T-1)	360,000	20	-	-	-	-	-	-
<i>Total:</i>	<b>2,590,000</b>		<b>675,000</b>	<b>326,400</b>	-	<b>148,569</b>	-	<b>717,653</b>
<b>Beginning Capital Reserve Balance</b>			<b>1,373,602</b>	<b>798,602</b>	<b>572,202</b>	<b>672,202</b>	<b>623,633</b>	<b>723,633</b>
<b>Proposed Contribution</b>			<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>
<b>Proposed Expenditure</b>			<b>(675,000)</b>	<b>(326,400)</b>	-	<b>(148,569)</b>	-	<b>(717,653)</b>
<b>Ending Est. Capital Reserve Balance</b>			<b>798,602</b>	<b>572,202</b>	<b>672,202</b>	<b>623,633</b>	<b>723,633</b>	<b>105,980</b>
<b>Fire Equipment Capital Reserve Fund</b>								
2011 Defibrillators	60,000	10	-	61,200	-	-	-	-
2012 CPR Machines	30,000	10	-	30,600	-	-	-	-
Jaws of Life	30,000	10	-	30,600	-	-	-	-
2012 Turnout Gear	75,000	10	-	-	78,030	-	-	-
2008 SCBA Equipment	155,800	15	-	-	-	165,336	-	-
2016 Radio Equipment	42,100	10	-	-	-	-	-	-
Rescue Boat	18,000	20	-	-	-	-	-	-
2017 SCBA Air Compressor	50,000	25	-	-	-	-	-	-
<i>Total:</i>	<b>460,900</b>		-	<b>122,400</b>	<b>78,030</b>	<b>165,336</b>	-	-
<b>Beginning Capital Reserve Balance</b>			<b>211,184</b>	<b>248,184</b>	<b>162,784</b>	<b>121,754</b>	<b>(6,582)</b>	<b>30,418</b>
<b>Proposed Contribution</b>			<b>37,000</b>	<b>37,000</b>	<b>37,000</b>	<b>37,000</b>	<b>37,000</b>	<b>37,000</b>
<b>Proposed Expenditure</b>			-	<b>(122,400)</b>	<b>(78,030)</b>	<b>(165,336)</b>	-	-
<b>Ending Est. Capital Reserve Balance</b>			<b>248,184</b>	<b>162,784</b>	<b>121,754</b>	<b>(6,582)</b>	<b>30,418</b>	<b>67,418</b>

**Town of Bow**  
**Summary of Capital Improvement Projects and Funding**

**Police Department**

<u>Funding Source</u>	Current	Est.						
<u>Purchase / Project</u>	<u>Est. Cost</u>	<u>Life</u>	<u>2019-2020</u>	<u>2020-2021</u>	<u>2021-2022</u>	<u>2022-2023</u>	<u>2023-2024</u>	<u>2024-2025</u>
<b>General Fund Taxation</b>								
Patrol Vehicle - GF	40,000	4	40,000	40,800	41,616	42,448	43,297	44,163
<i>Total:</i>	<i>40,000</i>		<i>40,000</i>	<i>40,800</i>	<i>41,616</i>	<i>42,448</i>	<i>43,297</i>	<i>44,163</i>
<b>Police Capital Reserve Fund</b>								
Radio Equipment	42,000	10	42,000	-	-	-	-	-
2012 Sedan - Chief	40,000	5	-	40,800	-	-	-	-
Mobile Data Terminals	44,200	5	-	-	-	46,905	-	-
Patrol Vehicle - K9	42,000	5	-	-	-	-	45,462	-
Handguns	25,000	15	-	-	-	-	27,061	-
E-Readers	25,000	8	-	-	-	-	-	-
Security Monitoring Equip	40,000	10	-	-	-	-	-	-
<i>Total:</i>	<i>298,200</i>		<i>42,000</i>	<i>40,800</i>	<i>-</i>	<i>46,905</i>	<i>72,523</i>	<i>-</i>
<b>Beginning Capital Reserve Balance</b>			78,977	66,977	56,177	86,177	69,272	26,749
<b>Proposed Contribution</b>			30,000	30,000	30,000	30,000	30,000	30,000
<b>Proposed Expenditure</b>			(42,000)	(40,800)	-	(46,905)	(72,523)	-
<b>Ending Est. Capital Reserve Balance</b>			<b>66,977</b>	<b>56,177</b>	<b>86,177</b>	<b>69,272</b>	<b>26,749</b>	<b>56,749</b>

**Parks & Recreation Improvements**

<u>Funding Source</u>	Current	Est.						
<u>Purchase / Project</u>	<u>Est. Cost</u>	<u>Life</u>	<u>2019-2020</u>	<u>2020-2021</u>	<u>2021-2022</u>	<u>2022-2023</u>	<u>2023-2024</u>	<u>2024-2025</u>
<b>Recreation Improvements</b>								
Hanson Park storage building	60,000	50	-	61,200	-	-	-	-
St. Cyr playground Equip. Phase 1	35,000	20	-	-	-	37,142	-	-
St. Cyr playground Equip. Phase 2	35,000	20	-	-	-	-	37,885	-
<i>Total:</i>	<i>130,000</i>		<i>-</i>	<i>61,200</i>	<i>-</i>	<i>37,142</i>	<i>37,885</i>	<i>-</i>
<b>Beginning Capital Reserve Balance</b>			40,882	56,882	11,682	27,682	6,540	(15,345)
<b>Proposed Contribution</b>			16,000	16,000	16,000	16,000	16,000	16,000
<b>Proposed Expenditure</b>			-	(61,200)	-	(37,142)	(37,885)	-
<b>Ending Est. Capital Reserve Balance</b>			<b>56,882</b>	<b>11,682</b>	<b>27,682</b>	<b>6,540</b>	<b>(15,345)</b>	<b>655</b>

**Town of Bow**  
**Summary of Capital Improvement Projects and Funding**

**Baker Free Library**

Funding Source	Current	Est.	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	2024-2025
Purchase / Project	Est. Cost	Life						
<b>Library Maintenance CRF</b>								
AC & Air Handlers	44,000	20	-	-	-	46,693	-	-
Generator	32,000	25	-	-	-	-	34,638	-
Main Floor Carpet	70,000	25	-	-	-	-	-	-
Elevator replacement	82,000	15	-	-	-	-	-	-
Replace furnace & control system	64,000	15	-	-	-	-	-	-
Replace shingle & flat rubber roof	67,000	20	-	-	-	-	-	-
<i>Total:</i>	<i>359,000</i>		-	-	-	46,693	34,638	-
<b>Beginning Capital Reserve Balance</b>		5,071	25,071	45,071	65,071	38,378	8,740	
<b>Proposed Contribution</b>		20,000	20,000	20,000	20,000	5,000	5,000	
<b>Proposed Expenditure</b>		-	-	-	(46,693)	(34,638)	-	
<b>Ending Est. Capital Reserve Balance</b>		<b>25,071</b>	<b>45,071</b>	<b>65,071</b>	<b>38,378</b>	<b>8,740</b>	<b>13,740</b>	

**Library Emergency CRF**

		-	-	-	-	-	-	-
	<i>Total:</i>	<i>-</i>						
<b>Beginning Capital Reserve Balance</b>		16,922	24,922	24,922	24,922	24,922	24,922	24,922
<b>Proposed Contribution</b>		8,000	-	-	-	-	-	-
<b>Proposed Expenditure</b>		-	-	-	-	-	-	-
<b>Ending Est. Capital Reserve Balance</b>		<b>24,922</b>						

**Water and Sewer System**

Funding Source	Current	Est.	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	2024-2025
Purchase / Project	Est. Cost	Life						
<b>Water Fund</b>								
Water System Extension (bond)	4,317,012	50	-	-	-	-	-	-
			-	-	-	-	-	-
<i>Total:</i>	<i>4,317,012</i>		-	-	-	-	-	-
<b>TIF District Beginning Balance</b>			40,500	81,405	122,719	164,446	206,591	249,157
<b>Estimated Assessment</b>			40,905	41,314	41,727	42,144	42,566	42,992
<b>Proposed Expenditure</b>			-	-	-	-	-	-
<b>TIF District Ending Reserve Balance</b>			<b>81,405</b>	<b>122,719</b>	<b>164,446</b>	<b>206,591</b>	<b>249,157</b>	<b>292,148</b>
<b>Sewer Fund</b>								
Sewer System Activation		50	-	-	-	-	-	-
			-	-	-	-	-	-
<i>Total:</i>	<i>-</i>		-	-	-	-	-	-
<b>Beginning Capital Reserve Balance</b>			20,800	20,800	20,800	20,800	20,800	20,800
<b>Proposed Contribution</b>			-	-	-	-	-	-
<b>Proposed Expenditure</b>			-	-	-	-	-	-
<b>Ending Est. Capital Reserve Balance</b>			<b>20,800</b>	<b>20,800</b>	<b>20,800</b>	<b>20,800</b>	<b>20,800</b>	<b>20,800</b>

<b>Town of Bow</b> <b>Summary of Capital Improvement Projects and Funding</b>								
<b>School District</b>								
<b>Funding Source</b>								
Purchase / Project	Current	Est.						
	Est. Cost	Life	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	2024-2025
<b>General Fund Taxation</b>								
Bus Lease-Purchase	100,000	1	100,000	100,000	100,000	100,000	100,000	100,000
<i>Total:</i>	<i>100,000</i>		<i>100,000</i>	<i>100,000</i>	<i>100,000</i>	<i>100,000</i>	<i>100,000</i>	<i>100,000</i>
<b>General Fund Bonding</b>								
Elementary School Renovation(1)	3,725,000	40	-	3,725,000	-	-	-	-
<i>Total:</i>			-	<i>3,725,000</i>	-	-	-	-
<b>Annual Bond Payment</b>			-	<b>82,500</b>	<b>367,125</b>	<b>358,875</b>	<b>350,625</b>	<b>342,375</b>
<b>Bow School District CRF</b>								
Elementary School Architect	350,000	25	350,000	-	-	-	-	-
Elementary School Renovation(2)	650,553	40	-	773,796	-	-	-	-
Middle School Roof	837,687	40	-	-	-	-	-	-
Middle School HVAC	1,343,972	30	-	-	-	-	-	-
Middle School Playground	90,000	30	-	-	-	-	-	-
<i>Total:</i>	<i>3,272,212</i>		<i>350,000</i>	<i>773,796</i>	-	-	-	-
<b>Beginning Capital Reserve Balance</b>			683,796	633,796	160,000	460,000	760,000	1,060,000
<b>Proposed Contribution</b>			300,000	300,000	300,000	300,000	300,000	300,000
<b>Proposed Expenditure</b>			(350,000)	(773,796)	-	-	-	-
<b>Ending Est. Capital Reserve Balance</b>			<b>633,796</b>	<b>160,000</b>	<b>460,000</b>	<b>760,000</b>	<b>1,060,000</b>	<b>1,360,000</b>
<b>BHS Capital Improvements CRF</b>								
BHS Roof Replacemnt	800,800	30	-	-	-	-	-	-
BHS HVAC	2,500,000	30	-	-	-	-	-	-
<i>Total:</i>	<i>3,300,800</i>		-	-	-	-	-	-
<b>Beginning Capital Reserve Balance</b>			104,058	174,058	244,058	314,058	384,058	454,058
<b>Proposed Contribution</b>			70,000	70,000	70,000	70,000	70,000	70,000
<b>Proposed Expenditure</b>			-	-	-	-	-	-
<b>Ending Est. Capital Reserve Balance</b>			<b>174,058</b>	<b>244,058</b>	<b>314,058</b>	<b>384,058</b>	<b>454,058</b>	<b>524,058</b>

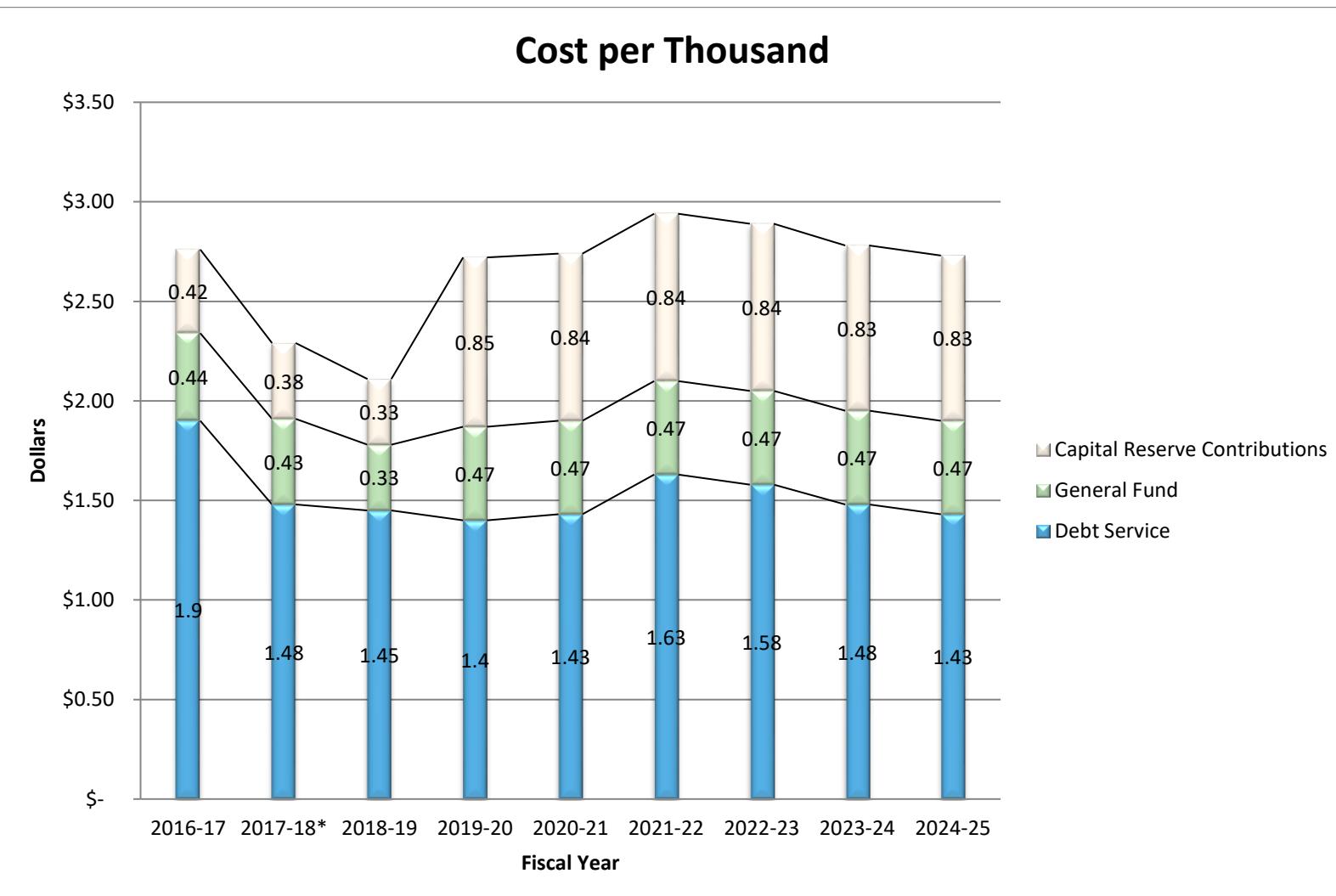
**Town of Bow**  
**Summary of Capital Improvement Projects and Funding**

<b>Bow School District HVAC CRF</b>							
Elementary School Renovation(1)	529,747	40	-	529,747	-	-	-
<i>Total:</i>	<b>529,747</b>		-	<b>529,747</b>	-	-	-
<b>Beginning Capital Reserve Balance</b>			529,747	529,747	-	-	-
<b>Proposed Contribution</b>							
<b>Proposed Expenditure</b>			-	(529,747)	-	-	-
<b>Ending Est. Capital Reserve Balance</b>			<b>529,747</b>	-	-	-	-
<b>Bow School District Paving CRF</b>							
			-	-	-	-	-
<i>Total:</i>	-		-	-	-	-	-
<b>Beginning Capital Reserve Balance</b>			8,623	8,623	8,623	8,623	8,623
<b>Ending Est. Capital Reserve Balance</b>			<b>8,623</b>	<b>8,623</b>	<b>8,623</b>	<b>8,623</b>	<b>8,623</b>
<b>Athletic Fields &amp; Facilities CRF</b>							
High School Track	220,067	30	-	-	-	-	-
High School Athletic Fields	874,528	30	-	-	-	-	-
<i>Total:</i>	<b>1,094,595</b>		-	-	-	-	-
<b>Beginning Capital Reserve Balance</b>			72,068	100,818	129,568	158,318	187,068
<b>Proposed Contribution</b>			28,750	28,750	28,750	28,750	28,750
<b>Proposed Expenditure</b>			-	-	-	-	-
<b>Ending Est. Capital Reserve Balance</b>			<b>100,818</b>	<b>129,568</b>	<b>158,318</b>	<b>187,068</b>	<b>215,818</b>
<b>AREA School - Dunbarton Fees CRF</b>							
			-	-	-	-	-
<i>Total:</i>	-		-	-	-	-	-
<b>Beginning Capital Reserve Balance</b>			165,252	205,252	245,252	285,252	325,252
<b>Proposed Contribution</b>			40,000	40,000	40,000	40,000	40,000
<b>Proposed Expenditure</b>			-	-	-	-	-
<b>Ending Est. Capital Reserve Balance</b>			<b>205,252</b>	<b>245,252</b>	<b>285,252</b>	<b>325,252</b>	<b>365,252</b>

Summary of Capital Improvement Projects								
Net Expense								
	Source	Current	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	2024-2025
<b>Capital Projects Summary</b>								
Town Projects		\$0	\$1,671,500	\$1,599,740	\$1,201,573	\$1,284,722	\$1,749,418	\$2,682,940
School Projects		\$0	\$450,000	\$1,280,300	\$100,000	\$100,000	\$100,000	\$100,000
<b>Total All Capital Projects</b>		<b>\$0</b>	<b>\$2,121,500</b>	<b>\$2,880,040</b>	<b>\$1,301,573</b>	<b>\$1,384,722</b>	<b>\$1,849,418</b>	<b>\$2,782,940</b>
<b>Current &amp; Proposed Debt Expense</b>								
Outstanding Bonds (Town)	GF	\$1,461,386	\$1,417,775	\$1,373,252	\$1,334,404	\$1,292,213	\$1,189,283	\$1,148,960
Outstanding Bonds (School)	SDGF	\$215,700	\$207,000	\$198,200	\$189,400	\$180,500	\$171,500	\$162,500
Proposed Bond (School)	SDGF	\$0	\$0	\$82,500	\$367,125	\$358,875	\$350,625	\$342,375
<b>Total Debt</b>		<b>\$1,677,086</b>	<b>\$1,624,775</b>	<b>\$1,653,952</b>	<b>\$1,890,929</b>	<b>\$1,831,588</b>	<b>\$1,711,408</b>	<b>\$1,653,835</b>
<b>Net Tax Impact Per Thousand</b>		<b>\$1.45</b>	<b>\$1.40</b>	<b>\$1.43</b>	<b>\$1.63</b>	<b>\$1.58</b>	<b>\$1.48</b>	<b>\$1.43</b>
<b>General Fund Expense</b>								
Annual Road Reconstruction and Pavement	GF	\$285,000	\$440,000	\$440,000	\$440,000	\$440,000	\$440,000	\$440,000
School Buses	GF	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000
<b>Total</b>		<b>\$385,000</b>	<b>\$540,000</b>	<b>\$540,000</b>	<b>\$540,000</b>	<b>\$540,000</b>	<b>\$540,000</b>	<b>\$540,000</b>
<b>Net Tax Impact Per Thousand</b>		<b>\$0.33</b>	<b>\$0.47</b>	<b>\$0.47</b>	<b>\$0.47</b>	<b>\$0.47</b>	<b>\$0.47</b>	<b>\$0.47</b>
<b>Capital Reserve Funds - Contributions</b>								
Public Works Equipment	GF	\$115,000	\$180,000	\$180,000	\$180,000	\$180,000	\$180,000	\$180,000
Buildings & Facilities	GF	\$0	\$105,000	\$105,000	\$105,000	\$105,000	\$105,000	\$105,000
Bridges & Highways	GF	\$100,000	\$120,000	\$120,000	\$120,000	\$120,000	\$120,000	\$120,000
Police Department Equipment	GF	\$29,000	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000
Fire Department Equipment	GF	\$37,000	\$37,000	\$37,000	\$37,000	\$37,000	\$37,000	\$37,000
Fire Department Trucks and Ambulances	GF	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000
Parks & Recreation Improvements	GF	\$6,000	\$16,000	\$16,000	\$16,000	\$16,000	\$16,000	\$16,000
Library Maintenance	GF	\$0	\$20,000	\$20,000	\$20,000	\$20,000	\$5,000	\$5,000
Library Emergency	GF	\$0	\$8,000	\$0	\$0	\$0	\$0	\$0
School	SDGF	\$0	\$370,000	\$370,000	\$370,000	\$370,000	\$370,000	\$370,000
<b>Total</b>		<b>\$387,000</b>	<b>\$986,000</b>	<b>\$978,000</b>	<b>\$978,000</b>	<b>\$978,000</b>	<b>\$963,000</b>	<b>\$963,000</b>
<b>Net Tax Impact Per Thousand</b>		<b>\$0.33</b>	<b>\$0.85</b>	<b>\$0.84</b>	<b>\$0.84</b>	<b>\$0.84</b>	<b>\$0.83</b>	<b>\$0.83</b>
<b>Total Tax Impact Per Thousand</b>		<b>2.11*</b>	<b>\$2.72</b>	<b>\$2.74</b>	<b>\$2.94</b>	<b>\$2.89</b>	<b>\$2.77</b>	<b>\$2.72</b>
<b>Tax Base</b>		1,159,138	1,159,138	1,159,138	1,159,138	1,159,138	1,159,138	1,159,138
<b>Total CIP Tax Impact \$ 200,000.00 Home</b>		<b>\$422.57</b>	<b>\$543.64</b>	<b>\$547.30</b>	<b>\$588.18</b>	<b>\$577.94</b>	<b>\$554.62</b>	<b>\$544.69</b>
<b>Total CIP Tax Impact \$ 300,000.00 Home</b>		<b>\$633.86</b>	<b>\$815.46</b>	<b>\$820.94</b>	<b>\$882.28</b>	<b>\$866.92</b>	<b>\$831.93</b>	<b>\$817.03</b>
<b>Total CIP Tax Impact \$ 400,000.00 Home</b>		<b>\$845.14</b>	<b>\$1,087.28</b>	<b>\$1,094.59</b>	<b>\$1,176.37</b>	<b>\$1,155.89</b>	<b>\$1,109.24</b>	<b>\$1,089.37</b>

\*The reduction in the 2018-19 Fiscal Year contributions was recommended by the Board of Selectmen and Budget Committee in order to minimize the increase in the tax rate due to the large tax abatement payment to Eversource.

Estimated Cost, per thousand, of the Capital Improvements Plan on Tax Rate  
For Fiscal Years 2017-2018 thru 2024-2025.



\*The reduction in the 2018-19 Fiscal Year contributions was recommended by the Board of Selectmen and Budget Committee in order to minimize the increase in the tax rate due to the large tax abatement payment to Eversource.

# CAPITAL IMPROVEMENT PROJECT SHEET

PROJECT TITLE: *Annual Road Paving*

**DEPARTMENT:** *Public Works Department*

**EXPENDITURE YEAR:** 2018 - 2019

ESTIMATED LIFE: 1 Years

CRF Account: *General Fund*

### *Future Cost\*:*

### Estimated Inflation Rate:

0.00%

2019 - 2020

*\* If Greater Than 20 Years*

## PROJECT DESCRIPTION AND JUSTIFICATION:

*(To Enter CR/LF in Comments: Alt-Enter)*

### Paving Schedule Included in Appendix.

<u>Street Name</u>	<u>Length in Miles</u>	<u>Year Constructed</u>	<u>Year Last Paved</u>	<u>Length in Feet</u>	<u>Total Tons 2 inches</u>
<b><u>Paving -2019</u></b>					
Abby Lane	0.43	1987	2003	2270.4	624.36
Colby Lane	0.28	1988	2003	1478.4	406.56
Arnold Street	0.144	1988	2008	760.32	209
Knox Road (Dow-Robinson Rd)	1.004		2004	5301.12	1457.8
Merrill Crossing	0.399	1995	1996	2,106.72	579.35
Stoneybrook Road	0.79	1987	2003	4171.2	1147.08
<b><u>Paving -2020</u></b>					
Audley Divide	0.42	1984	2004	2217.6	609.84
Arrowhead Drive	0.428	1993	1993	2,259.84	621.46
Branch Londonderry TPK East	0.64	1974		3379.2	929.28
Buckingham Drive	0.86	1988	2004	4540.8	1248.72
Windsor Drive	0.328	1993	1993	1731.84	476.25
Blevens Drive	0.155	1973	1998	818.4	225.06
<b><u>Paving -2021</u></b>					
Sharon Drive	0.37	1977	2002	1953.6	537.24
Currier Drive	0.32	1987	2005	1689.6	464.64
Hooksett TPK(across Clinton st)	0.29	1971	2006	1531.2	421.08
Wilson Meadow Road	0.277	2002	2002	1462.56	402.2
Shaw Divide	0.231	2001	2001	1219.68	335.44
Bent Road	0.065	1970		343.2	94.33
Eastview Drive	0.22	1969		1161.6	319.44
Heidi Lane	1.104	1987	1997	3,700.00	1,017.50
Betty Lane	0.331	1970	1999 Rehab.	1,748.00	487.1
<b><u>Paving -2022</u></b>					
Rollins Road	0.16	1989	1994	844.8	232.32
Page Road	2.292		2006	15,375.36	4228.29
<b><u>Paving -2023</u></b>					
Brown Hill Road	0.84	1979	2006	4,435.20	1,219.68
S. Bow Dunbarton Road	0.74	2005	2005	3,907.20	1,074.48
Quimby Rd	0.85		2002	4,488	1,234.20
Cardinal Drive	0.178	2000	200	939.84	258.45
Deer Run Drive	0.423	1995	1995	2,233.44	614.2
<b><u>Paving -2024</u></b>					
Turee view Drive	0.095	1981	unknown	501.6	139.7.7
Nancy Dr	0.198	1998		1,045.44	287.49
River Rd -RR Bridge to Johnson Rd.	0.994	1972	2003	5,250.00	1,463.00
Dean Avenue	0.487	1976	2000	2,571.36	707.12
Dow Rd	0.853	1975	2001	4,503.84	1238.55
Erin Drive	0.528	1996	1996	2,787.84	766.66

# CAPITAL IMPROVEMENT PROJECT SHEET

<u>PROJECT TITLE:</u>	<i>River Rd-Rte 3A Engineering</i>		
<u>DEPARTMENT:</u>	<i>Public Works Department</i>		
<u>EXPENDITURE YEAR:</u>	<i>2019 - 2020</i>	<u>ESTIMATED LIFE:</u>	<i>20 Years</i>
<u>CRF Account:</u>	<i>Bridge and Highway</i>		
<u>Estimated Inflation Rate:</u>	<i>2.00%</i>	<u>Future Cost*:</u>	<i>* If Greater Than 20 Years</i>
2019 - 2020	\$ 60,000 (Estimate)	CRF -----	\$ 60,000
		-----	\$ -
		-----	\$ -
		-----	\$ -
		-----	\$ -
		-----	\$ -
		-----	\$ -
		-----	\$ -
<u>Date Added:</u>			
<u>Last Edit:</u>			
<u>PROJECT DESCRIPTION AND JUSTIFICATION:</u>	(To Enter CR/LF in Comments: Alt-Enter)		

This project is to re-construct the intersection to improve turning radiiuses, improve visibility and provide a safer entry for vehicles and trucks heading on to Rte. 3A. The Town will apply for State Highway Aid for this project.

9/2016 - The Committee moved the project out one year.

May, 2018 - Engineering costs for this project. Route 3A Corridor Project funds may be available.

## CAPITAL IMPROVEMENT PROJECT SHEET

<u>PROJECT TITLE:</u>	Bow Bog Rd Engineering		
<u>DEPARTMENT:</u>	Public Works Department		
<u>EXPENDITURE YEAR:</u>	2019 - 2020	<u>ESTIMATED LIFE:</u>	50 Years
<u>CRF Account:</u>	Bridge and Highway		
<u>Estimated Inflation Rate:</u>	2.00%	Future Cost*: * If Greater Than 20 Years	
2019 - 2020	\$ 60,000 (Estimate)	CRF	\$ 60,000
			\$ -
			\$ -
			\$ -
			\$ -
			\$ -
			\$ -
			\$ -
<u>Date Added:</u>			
<u>Last Edit:</u>			
<u>PROJECT DESCRIPTION AND JUSTIFICATION:</u>		(To Enter CR/LF in Comments: Alt-Enter)	
<p>Replacement of the drainage culvert near the intersection of Bow Bog Road and Dean Avenue. The replacement culvert will be 5 foot in diameter and 50 feet long. Any culvert over 4 foot in diameter requires that an engineered plan be submitted to NH Department of Services for review and approval.</p> <p>9/2016 - The Committee moved the project out one year.</p> <p>May, 2018 - Engineering costs for this project.</p>			

## CAPITAL IMPROVEMENT PROJECT SHEET

<u>PROJECT TITLE:</u>	<i>River Rd-Rte 3A Intersection</i>		
<u>DEPARTMENT:</u>	<i>Public Works Department</i>		
<u>EXPENDITURE YEAR:</u>	<i>2020 - 2021</i>	<u>ESTIMATED LIFE:</u>	<i>20 Years</i>
<u>CRF Account:</u>	<i>Bridge and Highway</i>		
<u>Estimated Inflation Rate:</u>	<i>2.00%</i>	<u>Future Cost*:</u>	<i>* If Greater Than 20 Years</i>
2019 - 2020	\$ 250,000 (Estimate)	CRF	\$ 250,000
			\$ -
			\$ -
			\$ -
			\$ -
			\$ -
			\$ -
			\$ -
<u>Date Added:</u>			
<u>Last Edit:</u>			
<u>PROJECT DESCRIPTION AND JUSTIFICATION:</u>		<i>(To Enter CR/LF in Comments: Alt-Enter)</i>	
<p>This project is to re-construct the intersection to improve turning radiiuses, improve visibility and provide a safer entry for vehicles and trucks heading on to Rte. 3A. <del>The Town will apply for State Highway Aid for this project.</del></p> <p>9/2016 - The Committee moved the project out one year.</p> <p>May, 2018 - Project was moved out one year in order to complete the engineering.</p>			



## CAPITAL IMPROVEMENT PROJECT SHEET

<u>PROJECT TITLE:</u>	Bow Bog Rd Culvert		
<u>DEPARTMENT:</u>	Public Works Department		
<u>EXPENDITURE YEAR:</u>	2021 - 2022	<u>ESTIMATED LIFE:</u>	50 Years
<u>CRF Account:</u>	Bridge and Highway		
<u>Estimated Inflation Rate:</u>	2.00%	Future Cost*: * If Greater Than 20 Years	
2019 - 2020	\$ 300,000 (Estimate)	CRF	\$ 300,000
		-----	\$ -
		-----	\$ -
		-----	\$ -
		-----	\$ -
		-----	\$ -
		-----	\$ -
		-----	\$ -
<u>Date Added:</u>			
<u>Last Edit:</u>			
			\$ 300,000

<u>PROJECT DESCRIPTION AND JUSTIFICATION:</u>	(To Enter CR/LF in Comments: Alt-Enter)
<p>Replacement of the drainage culvert near the intersection of Bow Bog Road and Dean Avenue. The replacement culvert will be 5 foot in diameter and 50 feet long. Any culvert over 4 foot in diameter requires that an engineered plan be submitted to NH Department of Services for review and approval.</p> <p>9/2016 - The Committee moved the project out one year.</p>	

# CAPITAL IMPROVEMENT PROJECT SHEET

PROJECT TITLE: *Falcon Way/White Rock Intersection Engineering*

**DEPARTMENT:** *Public Works Department*

**EXPENDITURE YEAR:** 2022 - 2023

ESTIMATED LIFE: 50 Years

CRF Account: *Bridge and Highway*

### *Future Cost\*:*

### Estimated Inflation Rate:

2.00%

\* If Greater Than 20 Years

2019 - 2020

## PROJECT DESCRIPTION AND JUSTIFICATION:

*(To Enter CR/LF in Comments: Alt-Enter)*

June, 2018 - Engineering for improvements to turning and traffic flow at this intersection.



## CAPITAL IMPROVEMENT PROJECT SHEET

<u>PROJECT TITLE:</u>	<i>Page Rd Culvert Br London TPK W</i>		
<u>DEPARTMENT:</u>	<i>Public Works Department</i>		
<u>EXPENDITURE YEAR:</u>	<i>2022 - 2023</i>	<u>ESTIMATED LIFE:</u>	<i>50 Years</i>
<u>CRF Account:</u>	<i>Bridge and Highway</i>		
<u>Estimated Inflation Rate:</u>	<i>2.00%</i>	<u>Future Cost*:</u>	<i>* If Greater Than 20 Years</i>
2019 - 2020	\$ 45,000 (Estimate)	CRF	\$ 45,000
			\$ -
	(Purchase)		\$ -
			\$ -
			\$ -
			\$ -
			\$ -
<u>Date Added:</u>			
<u>Last Edit:</u>			
<u>PROJECT DESCRIPTION AND JUSTIFICATION:</u>		<i>(To Enter CR/LF in Comments: Alt-Enter)</i>	
<p>This project is to replace the culvert located on Page Road at Branch Londonderry Turnpike West. The culvert is 5 feet in diameter and 60 feet long. This project will be done in conjunction with the road paving that is scheduled to be done at the same time.</p> <p>9/2016 - Revised description.</p>			

## CAPITAL IMPROVEMENT PROJECT SHEET

<u>PROJECT TITLE:</u>	Page Rd Bridge Replacement		
<u>DEPARTMENT:</u>	Public Works Department		
<u>EXPENDITURE YEAR:</u>	2023 - 2024	<u>ESTIMATED LIFE:</u>	50 Years
<u>CRF Account:</u>	Bridge and Highway		
<u>Estimated Inflation Rate:</u>	2.00%	Future Cost*: * If Greater Than 20 Years	
2019 - 2020	\$ 830,700 (Estimate)	CRF	\$ 830,700
			\$ -
			\$ -
			\$ -
			\$ -
			\$ -
			\$ -
<u>Date Added:</u>			
<u>Last Edit:</u>			
			\$ 830,700
<u>PROJECT DESCRIPTION AND JUSTIFICATION:</u>		(To Enter CR/LF in Comments: Alt-Enter)	
8/2016 - Replace bridge on Page Road over Bela Brook.			
Estimated total cost:	\$884,300 (2014 estimate)		
Engineering cost:	\$ 53,600		
Net CRF withdrawal:	\$830,700		
State Bridge Aid Total:	\$708,240(in 2024)		
State Aid Bridge Eng. Reimb:	\$ 42,800		
Net return to CRF:	\$665,360		
9/2016 - The Committee moved the project out to the same year bridge aid is available per State requirements.			

## CAPITAL IMPROVEMENT PROJECT SHEET

<u>PROJECT TITLE:</u>	<i>Falcon Way White Rock Rd Int</i>		
<u>DEPARTMENT:</u>	<i>Public Works Department</i>		
<u>EXPENDITURE YEAR:</u>	<i>2024 - 2025</i>	<u>ESTIMATED LIFE:</u>	<i>50 Years</i>
<u>CRF Account:</u>	<i>Bridge and Highway</i>		
<u>Estimated Inflation Rate:</u>	<i>2.00%</i>	<u>Future Cost*:</u>	<i>* If Greater Than 20 Years</i>
2019 - 2020	\$ 250,000 (Estimate)	CRF	\$ 250,000
			\$ -
			\$ -
			\$ -
			\$ -
			\$ -
			\$ -
			\$ -
<u>Date Added:</u>			
<u>Last Edit:</u>			
<u>PROJECT DESCRIPTION AND JUSTIFICATION:</u>		(To Enter CR/LF in Comments: Alt-Enter)	
<i>May, 2018 - Improvements to turning and traffic flow at this intersection.</i>			

## CAPITAL IMPROVEMENT PROJECT SHEET

<u>PROJECT TITLE:</u>	<i>Municipal Building Drainage</i>		
<u>DEPARTMENT:</u>	<i>Public Works Department</i>		
<u>EXPENDITURE YEAR:</u>	<i>2019 - 2020</i>	<u>ESTIMATED LIFE:</u>	<i>50 Years</i>
<u>CRF Account:</u>	<i>Municipal Buildings and Grounds</i>		
<u>Estimated Inflation Rate:</u>	2.00%	<i>Future Cost*: * If Greater Than 20 Years</i>	
<u>2018 - 2019</u>	\$ 90,000 (Estimate)	CRF	\$ 90,000
		-----	\$ -
		-----	\$ -
		-----	\$ -
		-----	\$ -
		-----	\$ -
		-----	\$ -
		-----	\$ -
<u>Date Added:</u>			
<u>Last Edit:</u>			
		<b>\$ 90,000</b>	
<u>PROJECT DESCRIPTION AND JUSTIFICATION:</u> <i>(To Enter CR/LF in Comments: Alt-Enter)</i>			
<p>This project includes the installation of sub-surface drainage where needed and reclamation and paving of the driveways and parking lots at the Municipal Building. Total area is approximately 44,300 square feet.</p> <p>9/2016 - The Committee moved the project out one year.</p>			

# CAPITAL IMPROVEMENT PROJECT SHEET

PROJECT TITLE: *Heating System Muni Bldg.*

**DEPARTMENT:** *Public Works Department*

**EXPENDITURE YEAR:** 2021 - 2022

ESTIMATED LIFE: 20 Years

## CRF Account:

## *Municipal Buildings and Grounds*

### Estimated Inflation Rate:

2.00%

### Future Cost\*:

*\* If Greater Than 20 Years*

2018-2019

10

45,000 (estimate)

45 000

Date Added:

Last Edit:

## PROJECT DESCRIPTION AND JUSTIFICATION:

*(To Enter CR/LF in Comments: Alt-Enter)*

Replacement of existing furnace and heating system with a new energy efficient system, including circulation pumps, pipes, registers and radiators. This upgrade will allow the building to be zoned for an even distribution of heat.

9/2016 - The Committee moved the project out two years.

7/2018 - The Committee revised the cost from \$100,000 to \$45,000 for replacement of the boiler.

# CAPITAL IMPROVEMENT PROJECT SHEET

PROJECT TITLE: *Electrical Upgrade Muni Bldg.*

DEPARTMENT: *Public Works Department*

EXPENDITURE YEAR: 2021 - 2022

*ESTIMATED LIFE:* 30 Years

### CRF Account:

## *Municipal Buildings and Grounds*

### Estimated Inflation Rate:

2.00%

### Future Cost\*:

*\* If Greater Than 20 Years*

2018 - 2019

6

85,000 (Estimate)

85 000

Date Added:

### Last Edit:

## PROJECT DESCRIPTION AND JUSTIFICATION:

*(To Enter CR/LF in Comments: Alt-Enter)*

The electrical system at the Municipal Building has been patched, modified and added to over the last number of years. The same applies to the telephone and computer wiring and cabling. This includes an upgrade to both systems and the removal of wiring, etc. that is no longer in use.

9/2016 - The Committee moved the project out two years.

# CAPITAL IMPROVEMENT PROJECT SHEET

PROJECT TITLE: *Fuel System Replacement*

DEPARTMENT: *Public Works Department*

EXPENDITURE YEAR: *2020 - 2021*

ESTIMATED LIFE: *20 Years*

CRF Account: *Municipal Buildings and Grounds*

<u>Estimated Inflation Rate:</u>	2.00%	<i>110,000 (Estimate)</i>	CRF	<i>Future Cost*:</i>	
				<i>* If Greater Than 20 Years</i>	
<u>2018 - 2019</u>	\$	<i>110,000 (Estimate)</i>	CRF	\$	<i>110,000</i>
<u>2019 - 2020</u>	\$	<i>112,245 (Plan + 1)</i>		\$	-
<u>2020 - 2021</u>	\$	<i>114,536 (Purchase)</i>		\$	-
				\$	-
				\$	-
				\$	-
				\$	-
				\$	-
				\$	-
<u>Date Added:</u>				\$	-
<u>Last Edit:</u>				\$	-
Mike, 7/10/2017, 6:14:34 PM				\$	<i>110,000</i>

PROJECT DESCRIPTION AND JUSTIFICATION: *(To Enter CR/LF in Comments: Alt-Enter)*

The current fuel pump system is 21 years old. Due to its age, it is required to be inspected every 5 years. The inspection that was conducted in 2015 noted no deficiencies. The system will be inspected again in 4 years (2020), and if it needs to be replaced, the current estimate is \$110,000. The tank is certified through 2021 and at that point will have to be replaced in order to meet new regulations.

8/2016 - Revised description.

10/2016 - The Committee moved the project forward one year.

# CAPITAL IMPROVEMENT PROJECT SHEET

PROJECT TITLE: Hanson Park Maintenance Building

**DEPARTMENT:** Parks and Rec / Public Works

EXPENDITURE YEAR: 2019 - 2020

ESTIMATED LIFE: 50 Years

CRF Account:

## Parks and Recreation Improvements

#### Estimated Inflation Rate:

2.00% \* If Greater Than 20 Years

PROJECT DESCRIPTION AND JUSTIFICATION: (To Enter CR/LF in Comments: Alt-Enter)

The project is the construction of a new 40'X24' structure with sliding barn style doors on a concrete slab with rough cut siding (barn board). 1 Lap. The building will be used for storing fertilizer, tractors & mower in the summer along with all implements and field equipment. This would decrease liability from road travel, decrease travel time, resulting in more efficient use of time. Equipment would be accessible at the fields, where it is needed and all equipment would be under cover when not in use. The life span of the equipment should increase with this new setup.

9/2016 - the Committee moved the project out one year.

May, 2018 - This building will now include a workshop for the Groundskeeper to maintain and repair all of the equipment. Everything will be moved out of the Rescue Building and kept here.

August, 2018 - The Committee deferred this project one year due to the increase in costs and review of the actual utilization of the building.

# CAPITAL IMPROVEMENT PROJECT SHEET

PROJECT TITLE: St Cyr Playground Equip Phase 1

DEPARTMENT: Parks and Rec

EXPENDITURE YEAR: 2022 - 2023

ESTIMATED LIFE: 20 Years

CRF Account: Parks and Recreation Improvements

Estimated Inflation Rate:			Future Cost*: * If Greater Than 20 Years
2019 - 2020	\$	35,000 (Estimate)	CRF
			\$ -
			\$ -
			\$ -
			\$ -
			\$ -
			\$ -
			\$ -
			\$ -
			\$ -
			\$ -
			\$ -
			\$ -
			\$ -
			\$ -
Project Added:			\$ -
Last Edit:			\$ -
			\$ 35,000

PROJECT DESCRIPTION AND JUSTIFICATION: (To Enter CR/LF in Comments: Alt-Enter)

All playground equipment is recommended to be replaced after 20 years. Consideration should be taken as to what are the recommended materials and activities at the time of construction. Consideration should also be given to the protective material that is most recommended at the time of replacement. The timing of the replacement will be re-evaluated each year.

10/2016 - The Committee split the project over two years starting in 2022-23.

# CAPITAL IMPROVEMENT PROJECT SHEET

PROJECT TITLE: St Cyr Playground Equip Phase 2

DEPARTMENT: Parks and Rec

EXPENDITURE YEAR: 2023 - 2024

ESTIMATED LIFE: 20 Years

CRF Account: Parks and Recreation Improvements

**PROJECT DESCRIPTION AND JUSTIFICATION:** (To Enter CR/LF in Comments: Alt-Enter)

All playground equipment is recommended to be replaced after 20 years. Consideration should be taken as to what are the recommended materials and activities at the time of construction. Consideration should also be given to the protective material that is most recommended at the time of replacement. The timing of the replacement will be re-evaluated each year.

10/2016 - The Committee split the project over two years starting in 2022-23.

PROJECT TITLE:	AC & Air Handlers Replacement		
DEPARTMENT:	Library		
EXPENDITURE YEAR:	2019 - 2020	ESTIMATED LIFE:	20 Years
CRF Account:	Library		
Estimated Inflation Rate:	2.00%	Future Cost*: * If Greater Than 20 Years	
2019-2020	\$ 15,000 (Estimate)	GF	\$ 15,000
			\$ -
			\$ -
			\$ -
			\$ -
			\$ -
			\$ -
Project Added:			\$ -
Last Edit:			\$ -
			\$ 15,000
PROJECT DESCRIPTION AND JUSTIFICATION:		(To Enter CR/LF in Comments: Alt-Enter)	
<p>The Library's Air Conditioning and Air Handling Units for the main floor of the library, installed during the 1999/2000 renovation and addition project, need to be replaced due to the discontinued production of Refrigerant 22 by the EPA as of 2020. As of right now, May 2018, the production of R22 in the US has been cut by 90%. With the production of R22 slated to be discontinued in the US as of 2020, many parts for R22 units are also not being produced in quantities to meet demand. The price for R22 has increased astronomically (currently \$1200 per 30lb jug). We have received three separate estimates for this replacement work: Bow Plumbing &amp; Heating; NH HVAC; and J Lawrence Hall (Nashua), with the quotes at \$44,000; \$53,600; and \$108,968 respectively to replace all four units at once. Of note is that we obtained the third quote at the request of the Budget Committee, after they selected the vendor from a list of vendors with experience with library building-related heating &amp; cooling projects. This proposal asks to set aside \$15,000 per year for the next 4 years, with the understanding that individual units will be replaced during that time only if they fail, and that all four units will ideally be replaced at once in 2022/23 FY.</p>			

Attachments:



## CAPITAL IMPROVEMENT PROJECT SHEET

<u>PROJECT TITLE:</u>	Annual Bus Lease-Purchase		
DEPARTMENT:	SAU		
EXPENDITURE YEAR:	2019 - 2020	ESTIMATED LIFE:	11 Years
CRF Account:	General Fund		
Estimated Inflation Rate:	2.00%	Future Cost*:	
		GF	\$ 100,000
			\$ -
			\$ -
			\$ -
			\$ -
			\$ -
			\$ -
			\$ -
Project Added:			\$ -
Last Edit:			\$ -
			\$ 100,000
<b>PROJECT DESCRIPTION AND JUSTIFICATION:</b> (To Enter CR/LF in Comments: Alt-Enter)			

Continual purchase through the budget process of school buses for the Bow School District transportation fleet. These purchases are accomplished through five year lease arrangements with an expected life of each school bus of 11-14 years depending on use. There are ongoing replacements that take place based on school bus fleet numbering 22 total vehicles.

## CAPITAL IMPROVEMENT PROJECT SHEET

<u>PROJECT TITLE:</u>	Elementary School Architect		
DEPARTMENT:	SAU		
EXPENDITURE YEAR:	2019 - 2020	ESTIMATED LIFE:	25 Years
CRF Account:	School District		
Estimated Inflation Rate:	2.00%		
2018 - 2019	\$ 350,000 (Estimate)	CRF	\$ 350,000
			\$ -
			\$ -
			\$ -
			\$ -
			\$ -
			\$ -
			\$ -
Project Added:			\$ -
Last Edit:			\$ -
			\$ 350,000
PROJECT DESCRIPTION AND JUSTIFICATION: (To Enter CR/LF in Comments: Alt-Enter)			

Comprehensive Facility Assessment and Capital Improvement Study was undertaken and completed in January 2012. Back end components at BES are in some cases 30+ years old based on the original building having been constructed in 1979. Renovation would be similar to the 2005 renovation of BMS and will include HVAC upgrades, new roof, fire suppression system, new security and alarm system, lighting upgrades and plumbing upgrades. Figures are based on January 2012 facility study cost figures. Actual costs to be determined when project is bid out to contractors. Proposal is to request from voters funds from CRF to do all of the design, engineering, construction manager selection and other work needed to have plans and biddable documents. Those documents would be used to bid the project and have figures ready for the March 2020 Annual Meeting with work to commence in the summer of 2020

## CAPITAL IMPROVEMENT PROJECT SHEET

**PROJECT TITLE:** Elementary School Renovation

**DEPARTMENT:** SAU

**EXPENDITURE YEAR:** 2020 - 2021

**ESTIMATED LIFE:**

40 Years

**CRF Account:** HVAC

**Future Cost\*:**

**Estimated Inflation Rate:** 2.00%

Bow School District HVAC	CRF	\$ 529,747
Bow School District	CRF	\$ 333,796
	BD	\$ 4,125,000
		\$ -
<i>CIP Committee: Additional - Bow School District</i>	CRF	\$ 400,000
<i>CIP Committee Recommended</i>	BD	\$ 3,725,000
		\$ -
		\$ -
<b>Project Added:</b>		\$ -
<b>Last Edit:</b>		\$ -

**PROJECT DESCRIPTION AND JUSTIFICATION:** (To Enter CR/LF in Comments: Alt-Enter)

Comprehensive Facility Assessment and Capital Improvement Study was undertaken and completed in January 2012. Back end components at BES are in some cases 30+ years old based on the original building having been constructed in 1979. Renovation would be similar to the 2005 renovation of BMS and will include HVAC upgrades, new roof, fire suppression system, new security and alarm system, lighting upgrades and plumbing upgrades. Figures are based on January 2012 facility study cost figures. Actual costs to be determined when project is bid out to contractors. Proposal is to request from voters \$350,000 from the Bow School District Capital Reserve Fund established in March 1992 to do all of the design, engineering, construction manager selection and other work needed to have plans and biddable documents. Those documents would be used to bid the project and have figures ready for the March 2020 Annual Meeting with work to commence in the summer of 2020.

Oct. 2018 - The CIP Committee recommends using at least an additional \$400,000 from the Bow School District CRF to reduce the amount that needs to be bonded.

# Appendix A: Relevant State Statutes

## CHAPTER 674

### LOCAL LAND USE PLANNING AND REGULATORY POWERS

#### Capital Improvements Program

**674:5 Authorization.** – In a municipality where the planning board has adopted a master plan, the local legislative body may authorize the planning board to prepare and amend a recommended program of municipal capital improvement projects projected over a period of at least 6 years. As an alternative, the legislative body may authorize the governing body of a municipality to appoint a capital improvement program committee, which shall include at least one member of the planning board and may include but not be limited to other members of the planning board, the budget committee, or the town or city governing body, to prepare and amend a recommended program of municipal capital improvement projects projected over a period of at least years. The capital improvements program may encompass major projects being currently undertaken or future projects to be undertaken with federal, state, county and other public funds. The sole purpose and effect of the capital improvements program shall be to aid the mayor or selectmen and the budget committee in their consideration of the annual budget.

**Source.** 1983, 447:1, eff. Jan. 1, 1984. 2002, 90:1, eff. July 2, 2002.

**674:6 Purpose and Description.** – The capital improvements program shall classify projects according to the urgency and need for realization and shall recommend a time sequence for their implementation. The program may also contain the estimated cost of each project and indicate probable operating and maintenance costs and probable revenues, if any, as well as existing sources of funds or the need for additional sources of funds for the implementation and operation of each project. The program shall be based on information submitted by the departments and agencies of the municipality and shall take into account public facility needs indicated by the prospective development shown in the master plan of the municipality or as permitted by other municipal land use controls.

**Source.** 1983, 447:1, eff. Jan. 1, 1984.

#### 674:7 Preparation. –

I. In preparing the capital improvements program, the planning board or the capital improvement program committee shall confer, in a manner deemed appropriate by the board or the committee, with the mayor or the board of selectmen, or the chief fiscal officer, the budget committee, other municipal officials and agencies, the school board or boards, and shall review the recommendations of the master plan in relation to the proposed capital improvements program. II. Whenever the planning board or the capital improvement program committee is authorized and directed to prepare a capital improvements program, every municipal department, authority or agency, and every affected school district board, department or agency, shall, upon request of the planning board or the capital improvement program committee, transmit to the board or committee a statement of all capital projects it proposes to undertake during the term of the program. The planning board or the capital improvement program committee shall study each proposed capital project, and shall advise and make recommendations to the department, authority, agency, or school district board, department or agency, concerning the relation of its project to the capital improvements program being prepared.

**Source.** 1983, 447:1. 1995, 43:1, eff. July 2, 1995. 2002, 90:2, eff. July 2, 2002.

#### 674:8 Consideration by Mayor and Budget Committee. – Whenever the planning board or the

capital improvement program committee has prepared a capital improvements program under RSA 674:7, it shall submit its recommendations for the current year to the mayor or selectmen and the budget committee, if one exists, for consideration as part of the annual budget.

**Source.** 1983, 447:1, eff. Jan. 1, 1984. 2002, 90:3, eff. July 2, 2002.

## Appendix B: Capital Project Request Form

[Back to Index](#)[Command Buttons](#)

### CAPITAL IMPROVEMENT PROJECT SHEET

PROJECT TITLE:DEPARTMENT:EXPENDITURE YEAR:ESTIMATED LIFE:  YearsCRF Account:Future Cost\*:*\* If Greater Than 20 Years*

GF

 ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- -----PROJECT DESCRIPTION AND JUSTIFICATION:*(To Enter CR/LF in Comments: Alt-Enter)*

## Appendix C: Project Submission Materials and Backup Information

### Appendix C Index

Annual Debt Service on Outstanding Town Bonds	
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<b>CAPITAL RESERVE FUNDS</b>			
<u>Fund</u>	<u>Town Meeting/Article No</u>	<u>Purpose</u>	<u>Agents To Expend</u>
Cemetery Development	2001/18 and 2003/25	Purchasing land, conceptualizing, designing, and constructing cemeteries or additions to cemeteries.	Town Meeting
Fire Department Equipment	1957/7	Fire Department equipment.	Town Meeting
Fire Trucks	1996/16 and 2009/16	The purchase and replacement of Fire Dept vehicles with truck chassis including pumper trucks, ladder trucks, tanker trucks, forestry trucks, rescue trucks, and ambulances	Town Meeting
Bridge and Highway Construction	2003/39	Future highway construction projects.	Town Meeting
Land Purchase	2005/26	Purchasing future land or "other interests in land".	Selectmen
Municipal Buildings and Grounds	2006/15	Municipal buildings and grounds capital maintenance and repair.	Town Meeting
Parks & Recreation Improvements	2015/21	Parks & Recreation Improvements.	Town Meeting
Police Department Equipment	1971/10	Replacing Police Department equipment.	Town Meeting
Public Safety Building	2000/23 and 2006/19	Public Safety Building Capital Reserve Fund.	Town Meeting
Highway/Public Works Equipment	1977/9	Purchase of new or replacement of existing highway equipment.	Town Meeting
Municipal Facilities Emergency Repair	2015/27	Providing funds to address unforeseen emergency or urgent repairs	Selectmen
Sewer System	Oct 9.2008 BOS RSA 35:7 & 149-I:10	Major capital additions, replacements, and improvements to wastewater system, including sewer lines and other infrastructure, pumping stations and other facilities, land and easements, and equipment	Selectmen
Bridge	2009/12	Constructing, replacing, and rehabilitating bridges and culverts which provide water crossings	Selectmen
Library Lower Level	2012/20	Renovating lower level of Baker free Library	Library Trustees
Public Safety Building	2006/19		Town Meeting
Community Building	2017/13	Repair, renovation, replacement, or removal of the Community Bldg	Town Meeting
Library Building Maintenance	2017/14	Library building and grounds maintenance and repair	Town Meeting
Bow School District (Elementary/Memorial Schools)	1992	Construction, reconstruction or renovations of Bow Schools	District Meeting
Bow School District (HVAC)	1996		District Meeting
Bow High School Capital Improvements	2000		District Meeting
Bow School District Paving	2006/15	Paving in the Bow School District	District Meeting
Bow School District AREA School Improvements	2015/3		District Meeting
<b>Trust Funds</b>			
Library Emergency Repairs			Library Trustees
Private Water Well Pollution Mitigation			Selectmen
Health Reimbursement	2017/8	Paying the Town's share of healthcare deductibles for covered employees and their families	Selectmen

ANNUAL DEBT SERVICE ON OUTSTANDING TOWN AND SCHOOL BONDS as of June 30, 2018						
Fiscal	2007	2008 Water/ Sewer	2011 Water/ Sewer	2016	2006	
Year	Hammond			Public Safety Bldg	*Memorial School	Total
2019-20	\$64,037.50	\$155,375.00	\$834,325.00	\$358,737.76	\$207,000.00	\$1,619,475.26
2020-21	\$57,731.25	\$150,356.25	\$814,675.00	\$346,689.76	\$198,200.00	\$1,567,652.26
2021-22	\$56,418.75	\$145,818.75	\$795,025.00	\$334,641.76	\$189,400.00	\$1,521,304.26
2022-23	\$55,106.25	\$141,212.50	\$772,100.00	\$322,593.76	\$180,500.00	\$1,471,512.51
2023-24		\$136,537.50	\$741,000.00	\$311,745.76	\$171,500.00	\$1,360,783.26
2024-25		\$131,862.50	\$715,000.00	\$302,097.76	\$162,500.00	\$1,311,460.26
2025-26		\$127,118.75	\$689,000.00	\$291,249.76	\$153,500.00	\$1,260,868.51
2026-27		\$122,306.25	\$663,000.00	\$274,327.26	\$144,500.00	\$1,204,133.51
2027-28		\$117,425.00		\$266,055.26		\$383,480.26
2028-29		\$112,475.00		\$261,308.26		\$373,783.26
2029-30		\$112,475.00		\$261,308.26		\$373,783.26
2030-31				\$239,723.50		
	\$233,293.75	\$1,452,962.50	\$6,024,125.00	\$3,570,478.86	\$1,407,100.00	<b>\$12,448,236.61</b>
*Note: School Bond Debt minus State Revenue						

RSA 33:4-b Debt Limit; Computation. The debt limitations hereinbefore prescribed, except for counties, shall be based upon the applicable last locally assessed valuation of the municipality as last equalized by the commissioner of revenue administration under RSA 21-J:3, XIII and shall include the equalized value of property formerly taxed pursuant to the provisions of RSA 72:7; 72:15, I, V, VII, VIII, IX, X and XI; 72:16; 72:17; 73:26; 73:27 and 73:11 through 16 inclusive, all as amended, which was relieved from taxation by 1970, 5:3, 5:8, and 57:12, as determined under the provisions of RSA 71:11 as amended. Whenever several municipalities possessing the power to incur indebtedness cover or extend over identical territory, each such municipality shall so exercise the power to incur indebtedness of such municipalities **shall not exceed 9.75 percent** of the valuation of the taxable property as hereinbefore determined, except as provided for cooperative school districts under RSA 195:6.

## **Property Tax Assessments for 2017**

For the 2017 tax year, Bow had a total of 3,434 parcels, of which 3,273 were taxable and 161 were tax exempt. The Assessing Department is continuing with the Cycled Inspection process, whereby one-fourth of the town is measured and inspected each year on a rotating basis. The streets and neighborhoods we will be visiting is currently posted on the Town's website. Property owners in the selected area will receive notification from the Assessing Department informing them that a data collector will be in their neighborhood at which time the data collector will measure the outside and ask an adult for permission to inspect the interior of the home. In addition, all properties that have had a building permit issued over the last year or that have sold in the last year will also be visited by the Assessing Department to verify the details of the building permit and or the sale.

The annual tax rate applies to your property's assessed value and determines the amount of tax you will pay. The municipal, the local school district, the county, and the state education taxing agencies all contribute to the total tax rate. The following chart compares the tax rates of each agency per \$1,000 of assessed value for the last five years:

Bow	<b>YEAR</b>	<b>2017</b>	<b>2016</b>	<b>2015</b>	<b>2014</b>	<b>2013</b>
	Town of Bow	\$7.58	\$6.27	\$6.71	\$7.04	\$7.05
	Bow School District	\$15.00	\$14.97	\$16.48	\$17.18	\$17.61
	State Education	\$2.19	\$2.22	\$2.38	\$2.42	\$2.57
	County	\$3.00	\$2.83	\$2.97	\$2.87	\$2.96
	<b>TOTAL RATE</b>	<b>\$27.77</b>	<b>\$26.29</b>	<b>\$28.54</b>	<b>\$29.51</b>	<b>\$30.19</b>

offers various property tax exemptions and credits to eligible residents, including veterans, elderly, blind, and disabled, as well as, for solar and central wood heating systems. All financial information is kept confidential and returned after review. The deadline for all these applications is April 15<sup>th</sup>.

Bow offers the maximum amount allowed by the State of New Hampshire for all Veteran's Tax Credits. The Veteran's Tax Credits' allocations were as follows for 2017:

Standard Veteran's Tax Credit of \$500 (315)	\$ 157,250
Permanently Disabled Veteran's Credit of \$2,000 (9)	\$ 18,000
Surviving Spouse of Service member killed of \$2,000 (3)	\$ 6,000
Total Amount of Veterans Credits	\$ 181,250

\*Some recipients receive partial credits.

The following is the official summary of inventory in Bow of all real estate which was used to calculate the 2017 tax rate:

Residential Land	\$ 247,438,224
Commercial/Industrial Land	\$ 52,418,150
Discretionary Preservation Easement Land	\$ 2,700
Current Use Land	\$ 311,264
<b>Total of Taxable Land</b>	<b>\$ 300,170,338</b>

Residential Buildings	\$ 582,266,925
Commercial/Industrial	\$ 120,396,475
Discretionary Preservation Easement Buildings	<u>\$ 105,600</u>
<b>Total of Taxable Buildings</b>	<b>\$702,769,000</b>
Public Utilities	\$ 181,907,900
Other Utilities (private water companies)	<u>\$ 78,534</u>
<b>Total of Utilities</b>	<b>\$181,986,434</b>
<b>Total Valuation (Before exemptions)</b>	<b>\$ 1,184,925,772</b>
Less Air Pollution Control Exemption to PSNH	-\$ 18,522,000
Less Improvements to Assessing the Disabled (2)	<u>-\$ 84,549</u>
<b>Modified Assessed Valuation</b>	<b>\$1,166,319,223</b>
(This is used to calculate the total equalized value)	
Total Exemptions in Bow for 2017:	
Blind Exemption (3)	\$ 225,000
Elderly Exemption (39)	\$ 5,972,500
Disabled Exemption (5)	\$ 715,000
Wood-Heating Exemption (9)	\$ 21,800
Solar Energy Exemption (9)	<u>\$ 247,200</u>
<b>Total Amount of Exemptions</b>	<b>\$ 7,181,500</b>

In 2016, our equalization ratio (the equalization ratio measures the level of assessment and equity for each municipality), as determined by the Department of Revenue Administration was at 99.8%. Based on the 2015 final ratio of 93.4%, the real estate market in Bow was increasing at a rate of .53% per month. The last full revaluation was completed in 2016.

The new ratio for the Town will be given in the spring 2018. Based on our analysis after the town-wide update the equalization rate for 2017 will be approximately 95.5%. The ratio of 95.5% means our assessments are now approximately 4.5% below market value. This ratio difference between 2016 and 2017 indicates the Bow real estate market continues to increase at a rate of 4.3% annually.

The average sale price for a single-family home in Bow in 2017 was \$333,448 (a 7.6% increase from 2016) and the average sale price for a residential condominium was \$307,271 (2.5% decrease from 2016).

The commercial and industrial real estate market continues to see some mild increases in the real estate market from 2016 to 2017.

If you wish to file an abatement application form, because you feel your assessment is not in line with the equalized market value, or if there is a data error on your property record, the deadline is March 1<sup>st</sup>. Applications are available at [www.bownh.gov](http://www.bownh.gov). For property information, please visit [www.visionappraisal.com](http://www.visionappraisal.com) along with our online maps at [www.axisgis.com/BowNH](http://www.axisgis.com/BowNH). If you have a question, or you need to obtain the most current, official property information, please contact the Assessing Office. You may call 223-3975, or email the assessor at [mhurley@bownh.gov](mailto:mhurley@bownh.gov).

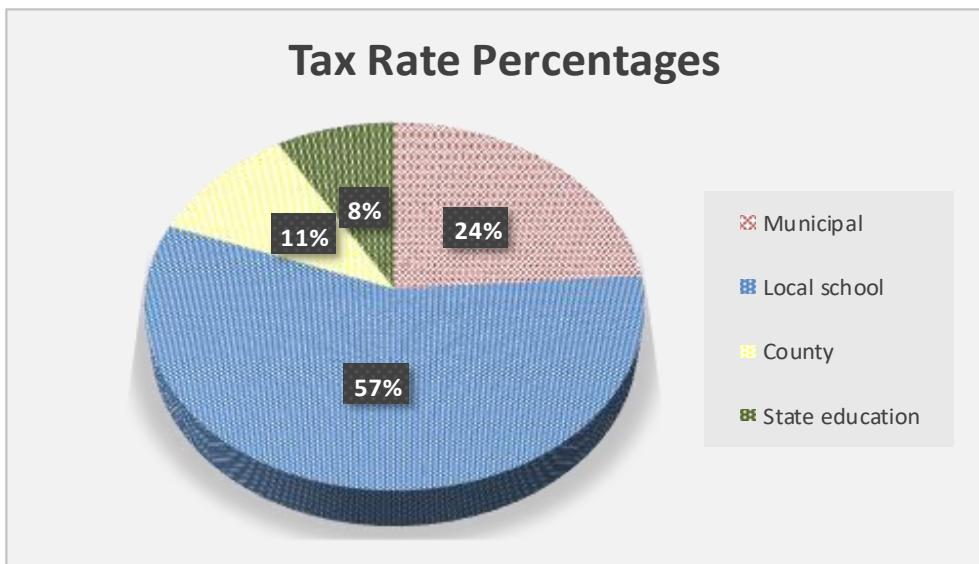
Respectfully Submitted

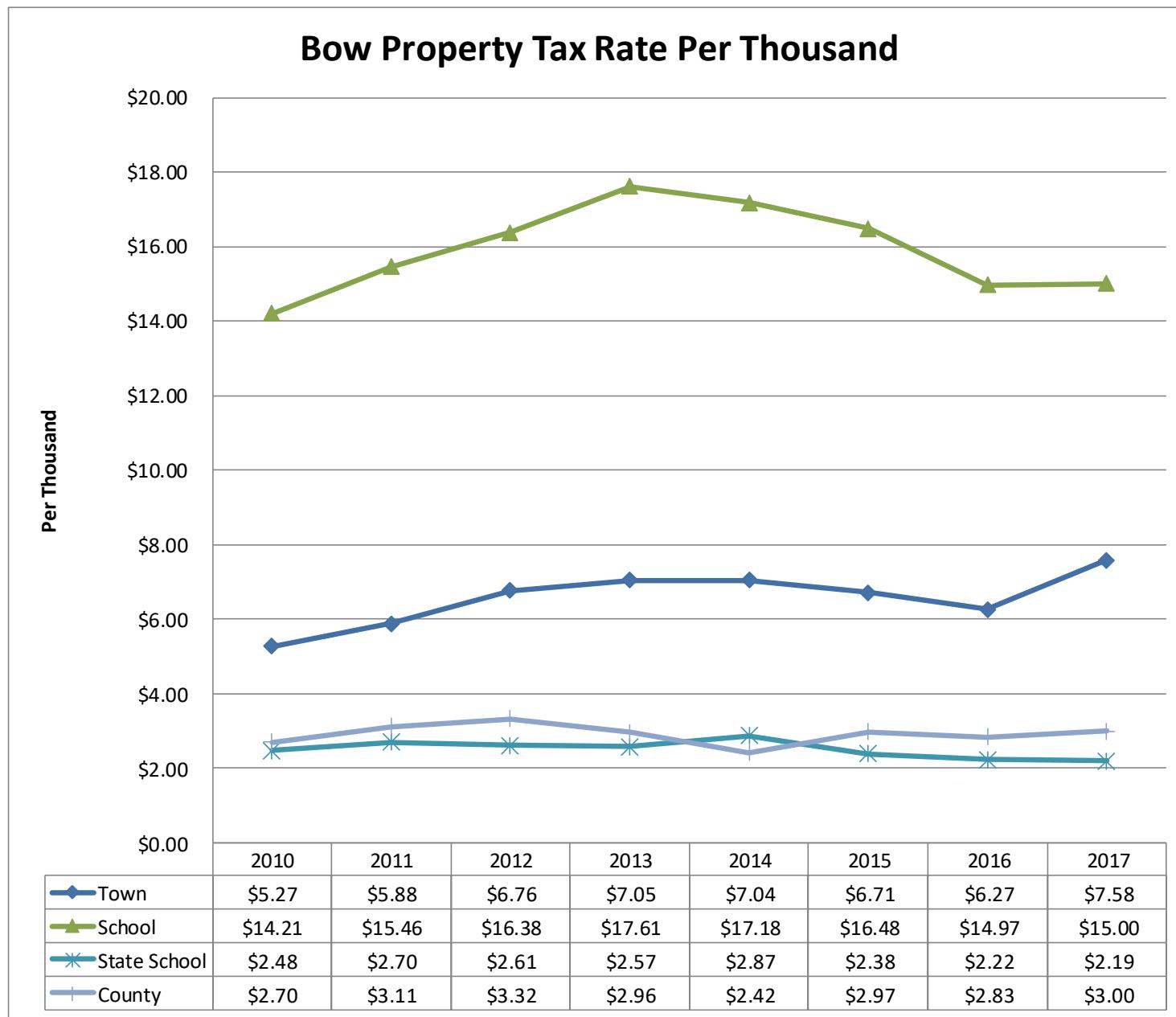
Monica Hurley, Certified New Hampshire Assessor, Corcoran Consulting Associates  
Janette Shuman, Community Development Coordinator

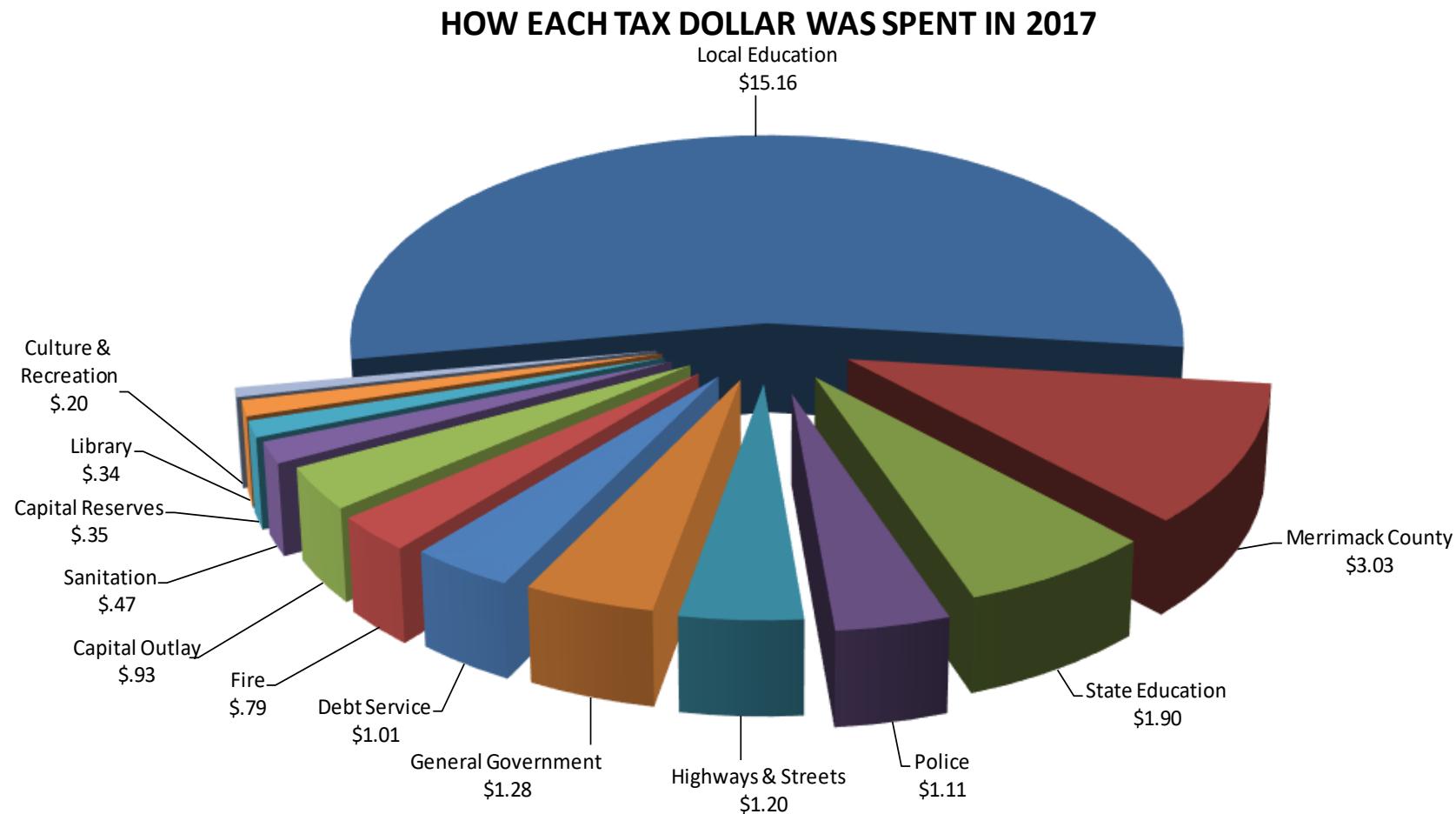
<b><u>Tax Rate Computation</u></b>	<b>Assessment</b>	<b>Assessed</b>	<b>Tax Rate*</b>
Municipal	8,796,361	1,159,137,723	\$7.58
Local school	17,382,101	1,159,137,723	\$15.00
County	3,476,254	1,159,137,723	\$3.00
State education	<u>2,176,723</u>	995,751,823	<u>\$2.19</u>
Total	31,650,189		\$27.77

\* Tax rate = assessment divided by property valuation

\*\* Assessed Valuation = total taxable assessments less exemptions.







2013 Comparison of Full Value Tax Rates (Bow 2016)

Complete Report Can be Found at:

<https://www.revenue.nh.gov/mun-prop/property/equalization-2016/index.htm>

**2017**  
**COMPARISON OF**  
**FULL VALUE TAX RATES**

The full value tax rate represents the estimated tax rate for a municipality if all the taxable property was assessed at 100% and includes the equalized value of properties for which a payment in lieu of property taxes is made.

The full value tax rate is calculated as follows: The 2017 gross local property taxes to be raised as reported by the Department of Revenue Administration, Municipal & Property Division divided by the total equalized valuation including utility values and equalized railroad taxes.

The full value rates are ranked in ascending order from lowest to highest (1-232 for 2017). If two municipalities have the same full value tax rate they are ranked with the same number. The unincorporated towns (signified by \*\*\*\*) have no 2017 tax rate, and thus are not ranked.

The full value tax rate can only be used to make a limited comparison of what a property in one municipality would pay for taxes to a property of equal value in another municipality.

For example:	Town A	$100,000 \times 21.95$	
		1000 =	\$2,195.00
	Town B	$100,000 \times 26.56$	
		1000 =	\$2,656.00

Due to diverse real estate values in New Hampshire, properties of equal value do not equate to properties of equal size or quality.

Prior to making any assumptions or decisions regarding a property owner's tax burden in a municipality, other factors should be considered such as real estate values, municipal services, schools, community make-up, and locational factors including proximity to urban areas, medical facilities, highways, recreation areas, etc.

**2017 COMPARISON OF FULL VALUE TAX RATES RANKING**  
**(AVERAGE LEVEL OF ASSESSMENTS (RATIO) SHOWN IN COLM. 4)**  
**PREPARED BY NEW HAMPSHIRE DEPARTMENT OF REVENUE ADMINISTRATION**

MUNICIPALITY	2017 VALUATION		COMPARATIVE TAX RATES AND RANKINGS			
	MODIFIED LOCAL ASSESSED VALUATION	TOTAL EQUALIZED VALUATION INCLUDING UTILITIES AND RAILROAD	2017 LOCAL TAX RATE	2017 EQ RATIO	FULL VALUE TAX RATE	RANKING*
ACWORTH	98,187,900	99,239,198	\$26.92	99.0	\$26.52	190
ALBANY	112,117,676	105,119,481	\$16.92	108.6	\$17.96	67
ALEXANDRIA	197,634,493	198,401,167	\$25.17	95.1	\$24.75	167
ALLENSTOWN	290,778,973	295,314,748	\$32.11	97.4	\$31.34	220
ALSTEAD	161,710,072	158,409,324	\$26.67	102.2	\$27.14	196
ALTON	1,713,302,566	1,755,612,953	\$12.86	97.6	\$12.52	28
AMHERST	1,709,429,600	1,874,432,255	\$26.01	90.6	\$23.52	147
ANDOVER	258,124,827	275,754,143	\$22.86	91.5	\$21.25	111
ANTRIM	232,652,693	254,661,843	\$27.97	89.0	\$25.31	177
ASHLAND	237,997,674	252,252,917	\$24.90	95.1	\$23.41	146
ATKINSON	961,469,064	1,034,425,126	\$18.30	92.9	\$16.86	56
ATKINSON & GILMANTON	696,933	835,499	\$0.00	82.9	\$0.00	****
AUBURN	678,082,370	809,825,829	\$21.15	85.6	\$17.55	60
BARNSTEAD	448,988,627	535,712,681	\$28.90	83.6	\$24.10	156
BARRINGTON	1,000,097,252	1,047,752,915	\$24.08	95.7	\$22.72	133
BARTLETT	1,056,172,948	1,083,815,880	\$8.70	97.5	\$8.46	15
BATH	121,961,779	120,682,211	\$21.02	98.1	\$20.85	105
BEAN'S GRANT	508	631	\$0.00	82.9	\$0.00	****
BEAN'S PURCHASE	0	0	\$0.00	82.9	\$0.00	****
BEDFORD	3,785,488,214	4,007,723,408	\$18.91	94.3	\$17.65	62
BELMONT	605,419,617	675,202,388	\$29.46	89.7	\$26.17	186
BENNINGTON	104,786,413	105,089,881	\$31.94	98.2	\$31.58	221
BENTON	25,188,662	28,374,674	\$17.83	90.7	\$15.74	48
BERLIN	402,297,188	350,633,529	\$39.19	99.4	\$43.67	232
BETHLEHEM	232,072,047	282,541,519	\$30.72	82.2	\$25.04	175
BOSCAWEN	241,330,002	273,998,650	\$29.97	88.2	\$26.28	188
BOW	1,166,319,223	1,273,941,164	\$27.77	95.3	\$24.99	173
BRADFORD	198,769,892	225,493,136	\$26.40	87.1	\$23.17	140
BRENTWOOD	568,493,384	635,540,255	\$24.79	87.7	\$22.03	125
BRIDGEWATER	346,057,600	367,774,760	\$9.62	93.6	\$9.00	16
BRISTOL	469,537,755	507,813,745	\$22.13	90.4	\$20.32	96
BROOKFIELD	95,782,282	106,268,038	\$20.58	89.7	\$18.48	71
BROOKLINE	527,388,430	609,751,240	\$32.94	86.0	\$28.24	206
CAMBRIDGE	8,815,865	10,626,652	\$0.00	82.9	\$0.00	****
CAMPTON	384,763,929	407,852,719	\$24.80	94.4	\$23.17	140
CANAAN	345,667,929	370,910,994	\$31.75	92.5	\$29.20	212
CANDIA	398,348,452	483,739,667	\$22.11	82.3	\$17.94	66
CANTERBURY	261,182,744	284,809,194	\$25.98	91.6	\$23.64	149
CARROLL	325,776,609	332,275,015	\$19.68	99.1	\$19.23	79
CENTER HARBOR	430,506,928	437,575,927	\$13.88	98.4	\$13.64	33
CHANDLER'S PURCHASE	40,313	48,703	\$0.00	82.9	\$0.00	****
CHARLESTOWN	281,906,939	275,275,977	\$36.50	99.4	\$37.06	229
CHATHAM	49,159,945	52,408,092	\$14.15	95.1	\$13.22	32
CHESTER	565,715,600	649,689,911	\$23.41	83.8	\$19.74	84
CHESTERFIELD	501,102,059	522,165,654	\$21.34	96.2	\$20.40	98
CHICHESTER	265,615,384	291,913,065	\$27.72	90.9	\$25.03	174
CLAREMONT	716,805,957	701,993,186	\$42.66	102.7	\$42.57	231
CLARKSVILLE	41,179,282	49,622,205	\$19.23	87.9	\$15.87	50
COLEBROOK	179,852,590	165,343,471	\$29.49	107.0	\$31.82	222
COLUMBIA	86,020,433	81,252,762	\$19.40	88.1	\$19.81	86
CONCORD	4,112,883,947	4,253,023,855	\$28.24	96.5	\$25.32	178
CONWAY	1,451,662,870	1,667,614,467	\$19.98	86.4	\$17.27	57

\*RANKING BASED ON LOWEST TO HIGHEST FULL VALUE TAX RATE.

**2017 COMPARISON OF FULL VALUE TAX RATES RANKING**  
**(AVERAGE LEVEL OF ASSESSMENTS (RATIO) SHOWN IN COLM. 4)**  
**PREPARED BY NEW HAMPSHIRE DEPARTMENT OF REVENUE ADMINISTRATION**

MUNICIPALITY	2017 VALUATION		COMPARATIVE TAX RATES AND RANKINGS			
	MODIFIED LOCAL ASSESSED VALUATION	TOTAL EQUALIZED VALUATION INCLUDING UTILITIES AND RAILROAD	2017 LOCAL TAX RATE	2017 EQ RATIO	FULL VALUE TAX RATE	RANKING*
CORNISH	177,679,178	183,844,809	\$21.52	95.9	\$20.64	100
CRAWFORD'S PURCHASE	187,747	226,487	\$0.00	82.9	\$0.00	****
CROYDON	89,542,655	88,095,230	\$15.42	100.8	\$15.58	45
CUTT'S GRANT	0	0	\$0.00	82.9	\$0.00	****
DALTON	77,260,429	88,457,359	\$25.27	90.7	\$21.89	123
DANBURY	107,823,607	116,775,527	\$23.50	92.1	\$21.60	115
DANVILLE	400,460,157	436,618,942	\$28.25	91.2	\$25.59	180
DEERFIELD	572,877,679	618,594,033	\$23.30	87.4	\$21.23	110
DEERING	183,484,177	202,803,043	\$29.97	88.3	\$26.53	191
DERRY	2,874,851,045	3,209,467,436	\$28.86	89.7	\$25.25	176
DIX GRANT	821,608	986,007	\$0.00	82.9	\$0.00	****
DIXVILLE	8,300,507	32,766,036	\$8.14	82.9	\$2.05	2
DORCHESTER	39,141,946	38,830,253	\$24.59	101.2	\$24.73	166
DOVER	3,213,761,960	3,478,785,924	\$25.87	92.4	\$23.39	144
DUBLIN	229,953,868	242,147,350	\$24.22	95.0	\$22.95	136
DUMMER	100,776,462	66,478,940	\$12.34	104.2	\$16.51	54
DUNBARTON	304,100,677	357,090,737	\$25.61	81.9	\$21.66	116
DURHAM	1,028,695,445	1,144,424,005	\$30.64	88.7	\$27.23	197
EAST KINGSTON	313,661,776	345,501,548	\$24.77	86.8	\$22.30	130
EASTON	63,436,396	69,162,486	\$13.14	92.1	\$12.02	26
EATON	110,384,994	107,209,434	\$10.84	102.9	\$11.14	21
EFFINGHAM	170,598,052	170,320,147	\$21.85	98.4	\$21.79	122
ELLSWORTH	13,636,832	14,877,382	\$20.88	92.8	\$19.08	76
ENFIELD	549,317,095	602,987,208	\$26.01	91.0	\$23.03	138
EPPING	712,691,474	858,937,705	\$25.94	82.5	\$21.32	112
EPSOM	427,438,182	462,296,866	\$25.67	91.8	\$23.62	148
ERROL	87,447,813	92,388,058	\$12.25	88.1	\$11.30	22
ERVING'S GRANT	36,767	75,039	\$0.00	82.9	\$0.00	****
EXETER	1,781,687,610	2,095,003,267	\$26.77	85.0	\$22.05	127
FARMINGTON	454,464,673	503,225,173	\$27.81	89.2	\$24.72	165
FITZWILLIAM	290,336,590	285,408,775	\$23.22	96.6	\$23.08	139
FRANCESTOWN	191,285,195	195,136,161	\$24.84	97.2	\$24.28	158
FRANCONIA	285,235,738	314,576,648	\$17.75	90.2	\$16.03	51
FRANKLIN	570,187,542	604,858,766	\$25.56	91.5	\$23.64	149
FREEDOM	490,087,046	535,046,995	\$12.96	91.5	\$11.84	25
FREMONT	407,170,200	480,953,595	\$29.19	83.7	\$24.60	162
GILFORD	1,757,237,192	1,850,935,091	\$17.26	95.1	\$16.35	53
GILMANTON	455,888,746	482,490,134	\$24.80	93.7	\$23.28	143
GILSUM	61,155,817	65,452,610	\$29.63	92.0	\$27.52	198
GOFFSTOWN	1,471,803,900	1,679,729,905	\$27.42	86.4	\$23.73	150
GORHAM	273,854,473	254,256,030	\$33.95	94.9	\$35.92	227
GOSHEN	72,305,652	72,894,519	\$26.51	99.2	\$26.23	187
GRAFTON	116,393,420	117,469,745	\$27.99	97.9	\$27.61	200
GRANTHAM	466,937,713	489,016,183	\$23.72	95.2	\$22.57	132
GREENFIELD	138,935,700	159,182,700	\$29.97	91.9	\$26.07	185
GREENLAND	738,579,580	828,005,944	\$16.64	88.8	\$14.74	40
GREEN'S GRANT	3,142,888	3,846,622	\$7.52	82.9	\$6.09	11
GREENVILLE	97,931,224	116,815,916	\$31.08	83.8	\$25.89	183
GROTON	79,859,548	126,551,416	\$15.64	96.4	\$9.44	17
HADLEY'S PURCHASE	0	0	\$0.00	82.9	\$0.00	****
HALE'S LOCATION	74,898,800	79,290,689	\$3.20	94.5	\$3.02	3
HAMPSTEAD	1,033,840,822	1,248,788,229	\$24.64	82.3	\$20.19	95

\*RANKING BASED ON LOWEST TO HIGHEST FULL VALUE TAX RATE.

**2017 COMPARISON OF FULL VALUE TAX RATES RANKING**  
**(AVERAGE LEVEL OF ASSESSMENTS (RATIO) SHOWN IN COLM. 4)**  
**PREPARED BY NEW HAMPSHIRE DEPARTMENT OF REVENUE ADMINISTRATION**

MUNICIPALITY	2017 VALUATION		COMPARATIVE TAX RATES AND RANKINGS			
	MODIFIED LOCAL ASSESSED VALUATION	TOTAL EQUALIZED VALUATION INCLUDING UTILITIES AND RAILROAD	2017 LOCAL TAX RATE	2017 EQ RATIO	FULL VALUE TAX RATE	RANKING*
HAMPTON	3,364,144,620	3,611,394,855	\$16.37	92.9	\$15.02	41
HAMPTON FALLS	424,415,175	496,282,592	\$21.10	85.6	\$17.89	65
HANCOCK	251,025,234	276,835,135	\$21.96	89.6	\$19.83	87
HANOVER	2,015,507,700	2,489,124,003	\$20.08	81.0	\$16.24	52
HARRISVILLE	191,530,620	195,477,517	\$18.15	97.8	\$17.75	63
HART'S LOCATION	16,165,168	13,916,211	\$4.05	118.6	\$4.64	6
HAVERHILL	346,046,892	343,913,895	\$31.04	95.8	\$30.98	219
HEBRON	260,116,975	287,545,473	\$8.94	91.2	\$8.04	14
HENNIKER	405,207,394	447,261,451	\$33.94	89.8	\$30.24	218
HILL	89,861,773	91,134,471	\$25.30	93.9	\$24.71	164
HILLSBOROUGH	523,791,497	524,898,983	\$30.47	96.8	\$30.11	217
HINSDALE	344,928,913	362,722,818	\$30.41	96.9	\$28.14	204
HOLDerness	691,273,626	754,580,045	\$14.18	91.6	\$12.94	31
HOLLIS	1,214,129,628	1,381,217,675	\$23.15	87.2	\$20.17	94
HOOKSETT	1,639,753,502	2,099,079,668	\$26.74	77.4	\$20.52	99
HOPKINTON	624,231,047	701,859,811	\$34.29	88.1	\$30.10	216
HUDSON	3,103,118,822	3,110,973,707	\$19.72	97.1	\$19.37	81
JACKSON	398,422,226	417,200,302	\$11.88	95.7	\$11.33	23
JAFFREY	411,862,645	485,524,353	\$32.97	84.6	\$27.83	203
JEFFERSON	126,930,876	129,469,188	\$20.65	95.8	\$20.02	92
KEENE	1,839,078,300	1,853,318,546	\$37.22	98.0	\$35.97	228
KENSINGTON	307,903,758	355,121,049	\$22.39	86.1	\$19.12	77
KILKENNY	11,371	14,126	\$0.00	82.9	\$0.00	****
KINGSTON	674,398,338	813,838,174	\$25.78	81.5	\$21.12	107
LACONIA	2,086,535,275	2,209,428,939	\$21.03	95.2	\$19.64	83
LANCASTER	269,021,787	241,230,021	\$26.34	110.1	\$29.19	211
LANDAFF	50,728,190	45,704,636	\$23.57	109.9	\$26.07	185
LANGDON	57,461,068	62,004,130	\$31.14	92.4	\$28.62	208
LEBANON	1,889,413,271	2,140,155,707	\$29.08	90.7	\$25.46	179
LEE	451,755,071	530,857,155	\$29.94	85.0	\$24.97	172
LEMPSTER	148,722,089	136,458,027	\$25.27	102.1	\$26.79	192
LINCOLN	846,291,314	904,678,637	\$13.41	91.6	\$12.46	27
LISBON	107,607,192	108,325,183	\$30.49	98.8	\$30.05	215
LITCHFIELD	891,238,701	996,629,431	\$22.49	87.6	\$19.92	89
LITTLETON	722,671,839	678,230,013	\$25.82	90.6	\$26.52	190
LIVERMORE	134,100	134,100	\$0.00	100.0	\$0.00	****
LONDONDERRY	3,918,562,426	4,173,716,733	\$21.61	89.6	\$19.78	85
LOUDON	552,284,687	608,546,599	\$22.26	90.5	\$20.00	91
LOW & BURBANK GRANT	0	0	\$0.00	82.9	\$0.00	****
LYMAN	59,009,161	64,972,957	\$20.97	90.5	\$18.96	75
LYME	350,420,600	377,342,746	\$27.19	91.9	\$24.86	169
LYNDEBOROUGH	166,704,010	189,762,320	\$27.74	87.7	\$24.29	159
MADBURY	237,015,198	254,256,479	\$28.75	91.6	\$26.48	189
MADISON	480,156,886	510,087,305	\$16.90	93.2	\$15.84	49
MANCHESTER	9,129,421,989	10,115,188,558	\$23.32	90.2	\$20.69	102
MARLBOROUGH	173,903,313	176,705,873	\$30.17	98.6	\$29.61	214
MARLOW	64,151,881	64,253,818	\$23.99	100.0	\$23.86	151
MARTIN'S LOCATION	55,948	69,500	\$0.00	82.9	\$0.00	****
MASON	154,620,620	175,026,288	\$25.15	88.2	\$22.13	128
MEREDITH	1,926,741,024	2,040,970,867	\$15.23	94.8	\$14.34	36
MERRIMACK	3,415,974,706	3,615,246,064	\$23.37	93.4	\$21.78	121
MIDDLETON	165,328,059	179,775,861	\$26.95	91.3	\$24.72	165

\*RANKING BASED ON LOWEST TO HIGHEST FULL VALUE TAX RATE.

**2017 COMPARISON OF FULL VALUE TAX RATES RANKING**  
**(AVERAGE LEVEL OF ASSESSMENTS (RATIO) SHOWN IN COLM. 4)**  
**PREPARED BY NEW HAMPSHIRE DEPARTMENT OF REVENUE ADMINISTRATION**

MUNICIPALITY	2017 VALUATION		COMPARATIVE TAX RATES AND RANKINGS			
	MODIFIED LOCAL ASSESSED VALUATION	TOTAL EQUALIZED VALUATION INCLUDING UTILITIES AND RAILROAD	2017 LOCAL TAX RATE	2017 EQ RATIO	FULL VALUE TAX RATE	RANKING*
MILAN	126,838,112	113,644,816	\$22.85	99.8	\$24.94	170
MILFORD	1,365,453,444	1,502,209,392	\$29.39	90.9	\$26.48	189
MILLSFIELD	8,193,625	94,464,529	\$6.77	82.9	\$0.59	1
MILTON	418,604,844	440,474,636	\$25.89	96.7	\$24.38	160
MONROE	414,068,420	294,006,475	\$11.11	92.7	\$12.90	30
MONT VERNON	256,872,654	278,453,615	\$29.46	92.2	\$27.05	195
MOULTONBOROUGH	2,946,102,530	3,186,434,121	\$8.22	92.0	\$7.57	13
NASHUA	8,289,662,181	10,483,845,142	\$25.79	78.4	\$19.98	90
NELSON	121,791,083	120,417,303	\$18.50	100.2	\$18.62	72
NEW BOSTON	649,075,318	674,587,132	\$24.35	95.3	\$23.25	141
NEW CASTLE	724,883,504	724,101,570	\$5.85	100.0	\$5.85	10
NEW DURHAM	409,697,801	439,546,636	\$23.02	93.2	\$21.36	113
NEW HAMPTON	317,847,210	330,025,184	\$19.04	90.7	\$18.03	68
NEW IPSWICH	388,570,223	416,040,912	\$26.70	91.9	\$24.75	167
NEW LONDON	1,137,652,589	1,176,641,776	\$16.01	96.6	\$15.44	42
NEWBURY	734,635,931	740,777,476	\$15.71	99.4	\$15.56	44
NEWFIELDS	252,976,465	288,562,217	\$23.94	87.6	\$20.72	103
NEWINGTON	1,040,053,547	1,110,583,147	\$9.10	89.1	\$7.35	12
NEWMARKET	757,804,133	931,626,122	\$26.73	81.4	\$21.53	114
NEWPORT	435,427,589	442,388,657	\$30.00	96.9	\$29.16	210
NEWTON	508,958,248	560,063,577	\$26.58	90.5	\$23.99	153
NORTH HAMPTON	1,033,218,044	1,218,018,946	\$18.50	84.8	\$15.51	43
NORTHFIELD	348,147,564	343,841,999	\$21.98	100.0	\$21.67	117
NORTHUMBERLAND	111,978,691	102,835,045	\$35.18	98.8	\$37.57	230
NORTHWOOD	474,779,205	533,498,124	\$25.32	88.8	\$22.20	129
NOTTINGHAM	619,203,321	664,122,057	\$20.95	92.5	\$19.25	80
ODELL	2,038,101	2,933,534	\$6.94	82.9	\$4.82	7
ORANGE	32,178,974	33,520,120	\$25.92	95.3	\$24.80	168
ORFORD	136,590,944	148,041,933	\$27.10	92.3	\$24.96	171
OSSIPEE	649,510,037	705,724,375	\$19.20	92.0	\$17.54	59
PELHAM	1,719,357,180	1,801,733,966	\$21.45	95.0	\$20.37	97
PEMBROKE	661,621,383	685,857,080	\$29.76	94.8	\$28.57	207
PETERBOROUGH	644,740,144	710,112,297	\$31.46	91.2	\$27.69	201
PIERMONT	97,168,249	104,629,767	\$26.36	92.0	\$24.38	160
PINKHAM'S GRANT	2,782,341	5,585,296	\$7.61	82.9	\$3.70	5
PITTSBURG	256,092,216	273,830,883	\$15.70	95.6	\$14.58	38
PITTSFIELD	265,576,255	275,268,894	\$33.46	94.2	\$31.89	223
PLAINFIELD	275,293,415	273,091,853	\$28.25	100.1	\$27.79	202
PLAISTOW	1,008,639,704	1,128,090,172	\$23.96	88.7	\$21.14	108
PLYMOUTH	436,393,356	464,464,685	\$29.56	91.2	\$27.55	199
PORTSMOUTH	5,486,753,322	5,800,517,168	\$15.38	96.0	\$14.42	37
RANDOLPH	70,823,698	62,063,262	\$14.66	112.0	\$16.56	55
RAYMOND	937,530,771	1,014,725,486	\$24.20	91.0	\$22.04	126
RICHMOND	100,141,301	95,388,927	\$27.01	103.2	\$28.20	205
RINDGE	537,702,288	620,565,724	\$27.19	86.5	\$22.96	137
ROCHESTER	2,349,725,140	2,472,768,821	\$26.33	94.9	\$24.06	155
ROLLINSFORD	280,930,270	279,370,298	\$23.28	100.1	\$23.26	142
ROXBURY	23,045,792	26,570,667	\$25.16	98.0	\$21.72	119
RUMNEY	176,223,944	168,291,263	\$23.74	98.9	\$24.61	163
RYE	2,138,475,100	2,279,137,359	\$10.11	93.9	\$9.46	18
SALEM	4,450,104,900	4,870,214,990	\$20.84	90.7	\$18.91	74
SALISBURY	148,356,545	143,307,044	\$24.00	99.6	\$24.44	161

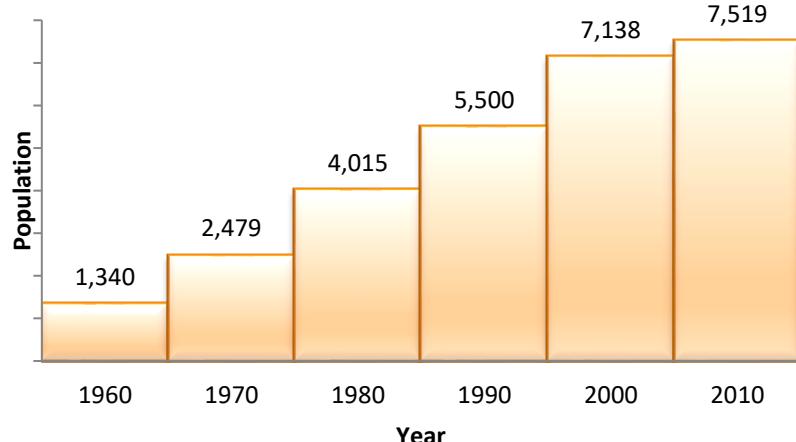
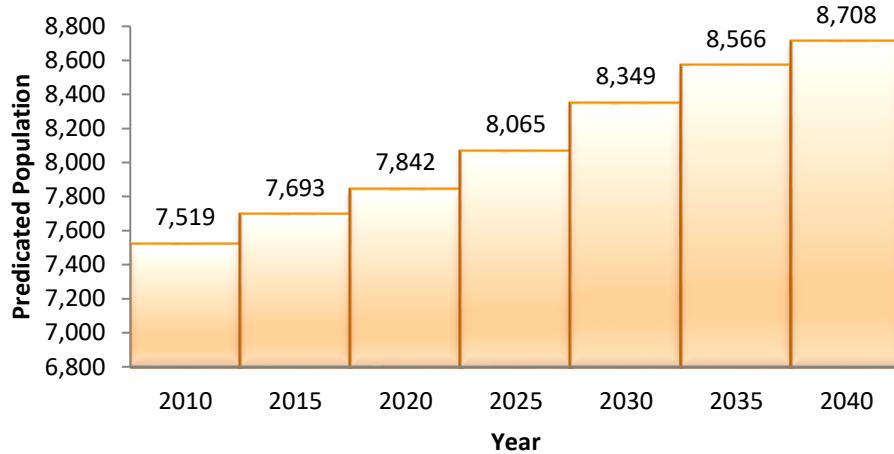
\*RANKING BASED ON LOWEST TO HIGHEST FULL VALUE TAX RATE.

**2017 COMPARISON OF FULL VALUE TAX RATES RANKING**  
**(AVERAGE LEVEL OF ASSESSMENTS (RATIO) SHOWN IN COLM. 4)**  
**PREPARED BY NEW HAMPSHIRE DEPARTMENT OF REVENUE ADMINISTRATION**

MUNICIPALITY	2017 VALUATION		COMPARATIVE TAX RATES AND RANKINGS			
	MODIFIED LOCAL ASSESSED VALUATION	TOTAL EQUALIZED VALUATION INCLUDING UTILITIES AND RAILROAD	2017 LOCAL TAX RATE	2017 EQ RATIO	FULL VALUE TAX RATE	RANKING*
SANBORNTON	395,327,507	449,207,523	\$23.63	88.3	\$20.73	104
SANDOWN	535,661,490	691,529,949	\$30.78	77.4	\$23.40	145
SANDWICH	400,642,384	450,363,393	\$14.42	88.3	\$12.76	29
SARGENT'S PURCHASE	1,975,020	2,382,413	\$0.00	82.9	\$0.00	****
SEABROOK	2,619,664,410	2,551,892,073	\$16.25	91.9	\$15.60	46
SECOND COLLEGE GRANT	1,180,156	1,411,793	\$0.00	82.9	\$0.00	****
SHARON	51,155,767	51,104,854	\$20.93	99.8	\$20.89	106
SHELBYNE	78,376,897	63,103,367	\$15.66	105.4	\$18.46	70
SOMERSWORTH	852,484,725	970,329,866	\$33.09	88.0	\$28.91	209
SOUTH HAMPTON	137,490,680	147,462,227	\$19.24	92.6	\$17.63	61
SPRINGFIELD	206,063,736	205,200,889	\$22.94	99.0	\$22.88	134
STARK	71,609,738	65,548,300	\$18.19	97.8	\$19.19	78
STEWARTSTOWN	95,191,169	96,408,389	\$24.97	87.4	\$24.17	157
STODDARD	258,679,740	268,131,678	\$16.38	95.6	\$15.72	47
STRAFFORD	476,427,420	527,831,600	\$22.29	90.2	\$20.06	93
STRATFORD	78,306,381	54,550,144	\$25.16	108.7	\$34.46	226
STRATHAM	1,266,209,159	1,416,855,289	\$20.30	89.1	\$18.05	69
SUCCESS	11,804,861	14,934,828	\$6.13	82.9	\$4.84	8
SUGAR HILL	146,852,754	142,620,280	\$21.18	102.8	\$21.75	120
SULLIVAN	52,705,562	51,604,414	\$31.80	101.9	\$32.11	224
SUNAPEE	1,218,068,748	1,276,138,736	\$15.37	95.4	\$14.65	39
SURRY	79,854,689	83,311,104	\$22.23	98.7	\$21.22	109
SUTTON	258,232,164	311,752,679	\$26.30	82.6	\$21.71	118
SWANZEY	556,964,035	598,126,308	\$28.16	91.6	\$25.78	181
TAMWORTH	347,113,899	378,272,904	\$22.70	92.8	\$20.65	101
TEMPLE	140,560,830	152,778,135	\$24.93	91.4	\$22.89	135
THOM & MES PURCHASE	5,262,372	6,630,700	\$4.01	82.9	\$3.18	4
THORNTON	368,899,477	369,053,552	\$19.54	99.5	\$19.44	82
TILTON	513,252,057	548,672,109	\$21.50	92.0	\$19.87	88
TROY	117,600,789	132,207,847	\$34.19	88.2	\$30.05	215
TUFTONBORO	982,596,333	1,097,957,888	\$10.77	88.8	\$9.60	19
UNITY	126,824,588	124,271,306	\$28.92	101.7	\$29.40	213
WAKEFIELD	919,880,616	1,043,474,565	\$12.65	88.2	\$11.11	20
WALPOLE	447,083,530	446,640,162	\$24.17	100.0	\$24.01	154
WARNER	286,021,325	277,195,231	\$27.97	102.2	\$28.57	207
WARREN	83,498,067	70,172,623	\$23.11	102.5	\$26.93	193
WASHINGTON	228,666,294	237,462,797	\$19.62	96.0	\$18.85	73
WATERVILLE VALLEY	329,417,957	329,692,735	\$14.25	100.2	\$14.22	35
WEARE	862,671,026	893,934,396	\$23.05	95.2	\$22.01	124
WEBSTER	209,839,837	213,309,895	\$22.97	91.5	\$22.31	131
WENTWORTH	94,891,674	93,235,003	\$25.66	97.4	\$25.90	184
WENTWORTH LOCATION	7,369,340	8,895,564	\$6.88	82.9	\$5.67	9
WESTMORELAND	165,121,875	172,511,288	\$25.00	95.7	\$23.89	152
WHITEFIELD	203,836,261	194,276,792	\$26.01	100.8	\$26.95	194
WILMOT	178,909,781	189,457,622	\$24.51	93.6	\$23.08	139
WILTON	369,980,701	388,544,693	\$27.17	95.2	\$25.81	182
WINCHESTER	274,718,223	270,016,870	\$33.30	99.5	\$33.52	225
WINDHAM	2,316,321,180	2,668,093,257	\$20.20	86.8	\$17.44	58
WINDSOR	27,992,617	28,763,968	\$11.86	101.2	\$11.49	24
WOLFEBORO	1,987,486,400	2,171,571,735	\$14.98	91.6	\$13.68	34
WOODSTOCK	226,248,039	251,875,507	\$19.97	90.3	\$17.81	64
<b>STATE TOTAL</b>	<b>167,660,005,467</b>	<b>182,759,869,513</b>	<b>\$22.19</b>	<b>92.0</b>	<b>\$20.17</b>	

\*RANKING BASED ON LOWEST TO HIGHEST FULL VALUE TAX RATE.

## Actual and Predicted Population 1960 -2030

**Population 1960 - 2010\*****Predicted Population 2010 - 2040**

\*US Census Bureau, Decennial Census

\*\*NH Office of Strategic Initiatives, Fall, 2016

**END OF REPORT**