
FY22 Water Fund Budget

As Introduced

By The

Finance Director &
Public Works Director

July 26, 2021

Town of Bar Harbor

FY 2022 Water Budget

TABLE OF CONTENTS

Introduction	Page
Budget Summary and Detail Message	1-6
Proposed Ordinance Change	7
Financial Data –Line Items	
Income Statement Summary	8
Revenues	9
Expenses - Line Items	10-13
Capital Expenditures	14
List of Authorized Positions-Wages	15
Charts & Analysis	
Water Volume & Consumption Billed	16
Capital Investment & Net Cash Generated - <i>History</i>	17
Capital Improvements – 5 year plan - \$ Summary	18
2017 Annual Drinking Water Program Water Quality	19-21
Customer Operating Sales & Volume Data	22
Water Rates	
Calculation of Future Rate Increase	23
Water Rate Comparisons-Graph & Data Listing	24-25
History of Bar Harbor Minimum Charges	26
PUC Approved Bar Harbor Rates	27-30
Debt Information	
Existing & New Debt Service Schedules	31-34

Memo

To: Town Councilors; Cornell Knight, Town Manager

From: Sarah Gilbert, Finance Director

CC: Bethany Leavitt, Public Works Director; Jeff Van Trump, Superintendent

Date: 7/26/21

Re: Water Budget Message – FY2022 Water Budget

Summary

This FY2022 budget for the Bar Harbor Water Division proposes the following changes from last year's 2021 budget:

- **No recommended change in the rates**
- **Gross capital expenditures projected at \$771,500, with no borrowing**
- **A 2.6% budgeted increase of anticipated revenues**
- **A 6.7% budgeted increase of operating expenses due to added personnel**

Revenues in FY22 are projected to be 2.6% higher than the FY21 budget and 1.2% higher than the projected FY21 results. Total operating expenses, including depreciation, over the 2021 budget are scheduled to increase by 6.7%. Capital spending is requested at \$771,500 covered by previously internally generated funds. The fiscal year just ending (FY21) projects an increase of cash of approximately \$46,088, primarily because of deferred capital spending. Next year, we are budgeting for \$602,679 in cash drawn down because of increased capital spending funded by cash reserves.

Major Highlights to the Budget

Besides capital investment, there are two items that impacts the budget; one is a personnel change and the second is the continued impact of COVID19 pandemic, which may continue local negative economic impact on both residents and businesses, so revenues and related variable expenses may be high or low depending on how this fully plays out. Revenues in the Commercial categories and the volume of chemicals used for water treatment may vary widely from the budget. Because of delayed capital construction, there is a healthy cash fund balance on hand at the fiscal year end which suggests to not ask the PUC for a rate increase. Using the PUC rate case formula, shown elsewhere in this budget, that increase would be approximately 9%. A portion of a future rate increase would be because of added personnel as well as general inflation as there hasn't been an increase in the water rate structure for over five years.

Statistical Infrastructure & Operational Data of the Water Division

There are 1755 metered customers, of which 71%, or 1249 accounts, are classified as Residential. 25% of these total metered customers as well as 20% of the related revenue volume are seasonal customers. All customers generally receive their bills quarterly. There are 97 customers related to non-metered sprinkler and private hydrant fire protection.

Investment in plant and infrastructure totals increased by \$9 million since the Town purchased the Water Company in 2001. The water *mains* in its service areas total 29.3 miles with distribution pipe sized from 1" to 16". Since 2001 the Division has invested in 9.4 miles of new mains while retiring 7.7 miles. Design capacity is approximately 2400 gallons per minute. 365 million gallons are sent through the transmission mains annually with about 20% unaccounted for; down from over 25% ten years ago. Jackson Lab represents 27% of the total measured volume for the utility and can run as high as 45% of the volume in the Winter quarter. The Lab generates 10% of the Water Division's total revenues and 14% of the metered revenues in 2020. The Jax Lab has been keeping close to their estimates of water usage (stable use, despite the Ellsworth facility coming on line). Management/Accounting administrative fees charged by the Town to the Water Division have remained relatively stable since 2001. The Water utility also pays the Town's General Fund (CIP) for 1/3 of the Public Works facility debt service costs for the use of the facility. The latest 2020 annual filing with the *Public Utilities Commission* provides additional detail operating data and is located on the State PUC website as well as on the Town website under the Water Division of Public Works.

Current Water Rates & Average Customer Bill

- A minimum quarterly bill currently under this budget allowing 1200 cubic feet through a 5/8" meter of \$76.17 per quarter will remain at that level. Bar Harbor's typical quarterly average household charge for 2000 cubic feet currently is \$111.53, still well below the average rate of \$133.78 for 15 selected comparable communities. As a comparison, the Town's sewer customers pay quarterly fees for *wastewater* usage of \$47.70 (for a minimum-allowing 600 cuft usage) and \$159.00 (2000 cuft- for a small family).
- *USDA-Rural Development*, the federal organization that provides grant and loan funds for qualifying utilities, has used a 2000 cubic feet per quarter standard to compare usage for a typical family household among all the utilities. At the current rates, 8000 cubic feet in annual water usage totals to \$446 per annum for a family of four in Bar Harbor or \$37.18 per month. Refer to pages 23-24 for other water utility rate comparisons.

Volume

This budget assumes no change in volume of 0% from the FY 21 budget and a 7.1% increase from the current FY 21 lower projected volume. The trend certainly has stabilized from the previous downtrends in the last few years, but the COVID19 impact is perhaps only reflected as a moderate rebound at this point. Some categories do show an expected increase from FY21 estimates. Page 16 shows the trends of total annual water sales since 2016 in six month rolling averages which shows 2% less volume billed compared to 4.5 years ago. Ten years ago the Town billed approximately 55% of the water transmitted from Eagle Lake. However, by 2020, that percent increased to 71%, a gradual improvement over the years due primarily to its

Town of Bar Harbor

FY2022 Water Budget

main replacement program, leak detection and the meter replacement program---meaning less water that is lost or unaccounted for. For budgeting, we continue to assume little change in water volume from JaxLab as they expand the use of its Ellsworth production facility. Their last long term water use projections provided to the Town have shown generally level usage for the next few years.

Revenues

The 2022 budget assumes a moderate rebound in gross revenue due to the prior impact of the pandemic. A dry or wet season (volume usage) is typically the largest factor in our fluctuation of revenues along with Jackson Lab mice production fluctuation being another significant factor. So far (in July 2021) it appears we will have reduced summer sprinkling revenues but are likely to be offset by higher tourist/commercial volume. The Town bills in advance, with the excess billed in arrears. Usage/volume of the summer quarter is not billed until the 3rd quarter (or October 1st), so that billing will be informative. The quarter to quarter comparisons from the prior year still are showing small decreases but the budget does assume a conservative turnaround.

Operating Expenditures

The proposed FY2022 water budget reflects a 6.7% overall increase in operating expenses over the FY '21 budget year and a 6.2% increase over this past year's estimated final expenses. Payroll and benefits, in total, are anticipated to reflect an 13.3% increase. This is due to the added personnel needed for critical system maintenance. The budgeted wage increase is 3.0% (COLA), same as the General Fund employees.

Major line item budget increases of \$1500 or more in projected cash expenses anticipated in FY2021 above last year's budget are as follows:

- Wages-#5105, adding new position
- Benefits-#...-adding a new position
- Contractual Services-CO2 Tank- #5336, increased pricing
- Materials&Supplies-CO2, #5426, increased pricing
- Repairs-Mains-#5628
- Repairs-Services-#5650
- Oper.Eqpmnt--#5704, upgrade existing SCADA system - \$35,000

The Supervisory Control and Data Acquisition (SCADA) system is a graphical program which allows for control and data collection of the treatment and pumping systems. This allows operations staff to monitor and control processes, review historical data and receive system alarms. The current SCADA program was purchased during the treatment plant upgrade in 2013 and programmed by in-house staff. The current SCADA program has undergone a major upgrade from the manufacturer. This upgrade is not fully compatible with our current version. Because of this the graphical screens will need to be reprogrammed.

What Were the Results of Actual FY21 Operating Expenses vs the FY21 Budget?

The Water Division's FY'21 projected actual operating expense results will end 1.0% over the target of its 2021 spending budget this year. Major areas adding to finishing the year \$7,000 above budget estimates were because various line item expenses were unavoidably overspent such as water chemicals and especially repairs/replacements to meters, plant equipment, mains & services. Deferring the planned hydrant flow testing for \$9000 helped to mitigate the projected overspending.

FY2022 Water Budget

Some of the major expense line items projected to exceed budget this year (FY21) include:

Supplies-C02 -#5426, PH buffering agent, higher usage and pricing
Supplies-Oper. -#5438, regular misc. operating supplies
Repairs&Maint -#5628, #5630, #5634, #5642, #5650 for mains, services, meters and equipment re-
placements and repairs

Public Fire Protection (Hydrant Revenues)

Included in the budget revenue is the PUC mandated annual public fire protection amount authorized for the utility to charge the Town for its downtown fire protection. It was stated in prior budget hearings that it is formula driven, calculated by our rate case consultant in accordance with PUC standards in line with the State Statutes. A copy of that calculation is included in the Town's last rate case located on the Town website. The utility maintains 106 public hydrants in the downtown area out to Hulls Cove.

Public Fire Protection History - To provide public fire protection a utility generally must size its infrastructure 2 to 3 times larger. Variables within that formula include the estimated year round population as well as the total reported gallons pumped. However, the results do have an overall regulatory cap of 30% of total revenues that can be derived as public hydrant revenues—in Bar Harbor's situation, the last rate case determined that number to be \$585,604. This charge of \$585,604 to the Town's taxpayers is shown as an expense in the Town Budget and as revenue in this Water budget. These funds are used for the general operations of the Water Division, including debt service. All other revenues raised come from either specific user fees, or private fire protection (hydrants/sprinklers).

The Town in 2016 received an improved ISO (*Insurance Services Office*) rating, which over time may lower fire insurance premiums for home and business owners. The rating went from a 5/9 to a 4/4x rating which reflects the Town's continued measureable improvement in its fire department funding & operations (50% of the rating) and by its continued replacement of older mains and hydrants (40% of the rating), by measuring increasing peak flows towards a 3500 gpm target. These efforts contribute to improved fire response capability.

Annual Drinking Water Quality Report

This annual report by the Federal Safe Drinking Water Act is sent to all customers of the Water Division. There were no water quality violations in calendar 2020. Due to the continued exceptional water quality of our source, the surrounding protection of the watershed, the water system has a filtration waiver. Under the State's Safe Water Drinking Program, the water Division has both a type of chlorination and UV lighting to protect its supply. Fluoridation was added in 1964. Lime and CO2 treatment are also added for both PH control as well as pipe corrosion control.

Town of Bar Harbor
FY2022 Water Budget

Debt Service

As of June 30, 2021, total principal in obligated debt for the water users stands at \$4,243,905, or approximately 24% of all direct debt obligations of the Town. In the FY2022 budget, the debt service is projected to be at \$708,000 or approximately 33% of the total annually revenues presently generated. All current debt is currently fully funded within the existing rate structure with interest rates ranging from 1.5% to 5%.

Future Debt—the 5 year CIP spending plan shows \$850,000 over the next four years that are likely to be borrowed to implement the recommendations outlined in the Master Plan as well as replace one pump station. This may impact the rates by 3%. There are projects that were postponed a few years back when a new Consolidated Capital Plan was deferred to avoid new bonding for a certain period. This will likely change when the Consolidated Plan is reviewed once again in conjunction with new spending on Wastewater’s CSO mitigation capital costs. The newly completed Water Master plan will also play a major role in future capital budgets and thus new bonding for large capital projects approved.

Capital Outlay

The Town has invested \$9,113,877 (71% from bonds) on capital improvements since the purchase of the company in 2001. In fiscal year 2020/21 the Water division spent or committed \$192,519 for necessary capital investments. The proposed FY’22 capital budget requests \$771,500 and is funded by operating cash flow as well as cash reserves. The Water Division raises over \$200,000 per year available from its own cash flow for capital equipment and small project costs. In FY22 we anticipate drawing down much of the remaining available Fund Balance surplus to pay cash for the identified capital expenditures.

FY 2022 Capital Spending (CIP) Recap

Fiber Optic-	\$20,000	—Fiber Option Connection build/purchase
Port. Generatr	\$ 6,000	---Replace older generator
Plow Blade	\$ 7,000	---Replacement
Pipe Locator	\$ 6,500	---Replacement
Sample Statn	\$ 6,500	---New Distribution system sample station
Turbidimeter	\$ 5,500	---Replacement @ Duck Brook
CO2 Tank-	\$40,000	—Purchase previously leased tank
Mains-	\$230,000	—Replace Hancock St.
Mains-	\$430,000	—Replacements for Shannon, Rodick, Kennebec Pl
Hydrants-	\$10,000	---Annual hydrants replacements
Services	\$10,000	---Annual replacements
	<u>\$771,500</u>	Total FY22 CIP

Working Capital/Cash Flow

A common and simple method for measuring a minimum working capital formula for a utility that bills in advance is to use 3 months or 25% of annual operating expenses. This target calculates to approximately \$380,000 estimated requirement as of June 30, 2021. Since FY2010 the Division has been building up its own cash reserve. The cash balance at the end of this year is anticipated to be higher because of deferred

Town of Bar Harbor

FY2022 Water Budget

capital spending. However, the proposed budget projections show that there will be an decrease of the cash reserves of \$602,679 in FY2022 due to spending for authorized construction projects that were previously deferred. In FY22, the drawdown of the remaining higher reserves for increased capital investment purposes, but there is a proposal for future bonding if enough internal funds previously generated are not available by year 3.

Personnel Change

There is in this budget a proposal recommending adding one person to the operating staff in FY22. This is due to coverage, more attention to meter monitoring/replacement, increase in GIS/GPS needs (system mapping) to locate and record below ground shut offs, gate valves, etc., focused on field maintenance of hydrants, valve and curb stops, full inventory & equipment electronic asset record keeping, increased regulatory requirements and the need to free up the Superintendent for more long-term planning, especially with the new Master Plan recommendations to implement. When the Town purchased the Water Company in 2001, there were 6 on staff. Currently, there are 5 personnel plus the Superintendent's time split with Wastewater, making 5 ½. The age of the water system requires more attention and input from Town staff to keep the system operating and well maintained.

Water Master Plan

The prior Water Master Plan was completed in April of 2005. Much of those recommendations have been funded and implemented. Staff hired engineers to update this plan in FY2019/20 to use as a continuing guide to assist in long term planning, avoiding surprises in both capital and operational aspects of maintaining the efficient running of the water facility and to give general direction for budgeting priorities. This includes maintaining the *filtration waiver*, which if not renewed, would be very expensive for the ratepayers. This latest Master Plan was completed by *Olver Associates* and heard by the Town Councilors in December, 2020.

Items reviewed by the Master Plan were subjects focused on identifying bottle necks of constricted flow in the distribution system, water storage needs, documenting weaknesses of the system, help design equipment replacements and upgrades and work with the Town's *Comprehensive Plan* to investigate likely expansion opportunities in designated growth areas to relieve stress on the private well water resources. The Master Plan suggested priorities, such as water storage facilities and specific main improvements projects that will require coordination with other department needs, such as Wastewater and Highway; and an inter-department project prioritization plan developed. This consolidated coordination allows funds from each department to be used wisely. Most of these Master Plan recommendations are not yet included in the budget process.

Town Council Action – The next step is for the Town Council to pass a motion to adopt the Water Budget and Ordinance, as proposed, (*or amended*) and schedule a public hearing on September ____, 2021.

Water Budget Ordinance Amendment
Town of Bar Harbor
#2021-xx

An Ordinance Amendment to Adopt the Fiscal Year 2022 Water Budget

The Town of Bar Harbor hereby ordains that Chapter 201, Water, of the Town Code is amended as follows:

[Please Note: Old language is ~~stricken~~. New language is underlined.]

Chapter 201, Water

ARTICLE III, Water Budget, Rates Fees and Charges

§ 201-11 **Water budget.**

A. Budget adopted. The fiscal year ~~2021~~22 Water Budget, dated ~~September 15, 2020~~ July 26, 2021, is hereby adopted as published and summarized below.

- (1) Cash. Net cash generated is estimated to be ~~\$362,922~~ \$602,679.
- (2) Revenues.
 - (a) PUC regulated revenues are estimated to be ~~\$2,099,804~~ \$2,153,804.
 - (b) Total water revenues are estimated to be ~~\$2,124,804~~ \$2,176,804.
- (3) Expenses. The following appropriations are hereby approved:
 - (a) Nonoperating expenses: \$4,400.
 - (b) Salaries and wages: ~~\$316,461~~ \$366,883.
 - (c) Payroll benefits: ~~\$166,350~~ \$180,100.
 - (d) Contractual services: ~~\$295,283~~ \$301,783.
 - (e) Materials and supplies: ~~\$123,700~~ \$125,100.
 - (f) Utilities and commodities: ~~\$64,000~~ \$64,200.
 - (g) Repairs and maintenance: ~~\$164,000~~ \$168,900.
 - (h) Equipment purchases: ~~\$18,500~~ \$39,600.
 - (i) Other: insurance, travel, advertising and miscellaneous: ~~\$47,500~~ \$47,700.
 - (j) Interest: ~~\$123,460~~ \$107,717.
 - (k) Depreciation and amortization: ~~\$324,687~~ \$326,691.
 - (l) Capital spending: ~~\$570,000~~ \$771,500.

[end of ordinance]

Net Income Statement - SUMMARY PAGE

	APY Actual Last Yr. 6/30/2020 FY20 Actual	BTY Budget This Yr 6/30/2021 FY21 Budget	ETY Estimate This Yr 6/30/2021 FY21 Estimate	RNY Request Next Yr 6/30/2022 FY22 Budget	RNY \$ Change vs. Bgt.'21	RNY % Change vs. Bgt.'21	RNY % Change vs. Est.'21
Volume: ('000's cubic feet)	34,368	33,500	31,293	33,500	0.0%	0.0%	7.1%
Operating Revenues	\$ 2,204,805	\$ 2,099,804	\$ 2,127,804	\$ 2,153,804	\$ 54,000	2.6%	1.2%
Operating Expenses:							
Payroll & Benefits	\$ 460,374	\$ 482,811	\$ 474,815	\$ 546,983	\$ 64,172	13.3%	15.2%
Contractual Services	\$ 270,991	\$ 295,283	\$ 291,567	\$ 301,783	\$ 6,500	2.2%	3.5%
Materials & Supplies	\$ 109,030	\$ 123,700	\$ 115,276	\$ 125,100	\$ 1,400	1.1%	8.5%
Utilities & Commodities	\$ 56,119	\$ 64,000	\$ 57,731	\$ 64,200	\$ 200	0.3%	11.2%
Repairs & Maintenance	\$ 221,547	\$ 164,000	\$ 212,327	\$ 168,900	\$ 4,900	3.0%	-20.5%
Minor Equipment Purchases	\$ 10,263	\$ 18,500	\$ 13,320	\$ 39,600	\$ 21,100	114.1%	197.3%
Other Miscellaneous Expenses	\$ 41,674	\$ 47,500	\$ 37,387	\$ 47,700	\$ 200	0.4%	27.6%
Depreciation & Amortization	\$ 330,198	\$ 314,887	\$ 314,847	\$ 316,891	\$ 2,004	0.6%	0.6%
Utility Operating Expenses:	\$ 1,500,186	\$ 1,510,681	\$ 1,517,270	\$ 1,611,157	\$ 100,476	6.7%	6.2%
Net Utility Operating Income	\$ 704,619	\$ 589,123	\$ 610,534	\$ 542,647	\$ (46,476)	-7.9%	-11.1%
Interest Income	\$ 25,887	\$ 17,000	\$ 14,000	\$ 15,000	\$ (2,000)		
Non-Utility Income, net of expense	\$ (11,186)	\$ 2,600	\$ (2,632)	\$ 2,600	\$ -		
Bond Refinancing Proceeds	\$ 53,492	\$ -	\$ -	\$ -	\$ -		
Interest Costs	\$ 131,340	\$ 123,460	\$ 120,960	\$ 107,717	\$ (15,743)		
NET INCOME	\$ 534,488	\$ 485,263	\$ 500,942	\$ 452,550	\$ (32,733)	-6.7%	-9.7%

Conversion to Cash Basis:

Add back: Depreciation & Acqtn. Adjtmnt.
 Less: Principal Debt Retired

Cash Available for C.I.P.

Less: Capital Expenditures (From Internal Funds)

Net Cash Generation (Drawdown)

\$ 294,552 \$ 314,887 \$ 314,847 \$ 316,891
 \$ (562,195) \$ (593,072) \$ (593,072) \$ (600,600)

\$ 266,845 \$ 207,078 \$ 222,717 \$ 168,821

\$ (255,113) \$ (570,000) \$ (176,629) \$ (771,500)

\$ 11,732 \$ (362,922) \$ 46,088 \$ (602,679)

Revenues

	APY Actual Last Yr. 6/30/2020 FY20	BTY Budget This Yr. 6/30/2021 FY21	ETY Estimate This Yr. 6/30/2021 FY21	RNY Request Next Yr. 6/30/2022 FY22	RNY \$ Change vs. Bgt.'21	RNY % Change vs. Bgt.'21	RNY % Change vs. Est.'21
4098 Revenues: Misc. Non Operational							
4600 Bond Refinancing Proceeds	\$ 53,492	\$ -	\$ -	\$ -			
4924 Jobbing Income	\$ 3,357	\$ 8,000	\$ 3,000	\$ 8,000			
4700 Investment Interest Income	\$ 25,887	\$ 17,000	\$ 14,000	\$ 15,000	\$ (2,000)		
4928 Nonutility Income- FA Sales	\$ 4,500	\$ -	\$ -	\$ -			
4930 Nonutility Inc-CSO Grant	\$ -	\$ -	\$ -	\$ -			
Other Income Total	\$ 87,236	\$ 25,000	\$ 17,000	\$ 23,000	\$ (2,000)	-8%	35.3%
4098 PUC Regulated Revenues:							
4704 Penalty Interest Income	\$ 2,414	\$ 2,200	\$ 2,200	\$ 2,200		0.0%	0.0%
4900 Metered Residential Sales-Qtrly	\$ 446,831	\$ 432,000	\$ 460,000	\$ 440,000	\$ 8,000	1.9%	-4.3%
4901 Metered Residential Sales-Seas.	\$ 131,433	\$ 129,000	\$ 141,000	\$ 130,000	\$ 1,000	0.8%	-7.8%
4902 Metered Commercial Sales-Qtrly	\$ 359,972	\$ 341,000	\$ 313,000	\$ 349,000	\$ 8,000	2.3%	11.5%
4903 Metered Commercial Sales-Seas.	\$ 272,609	\$ 234,000	\$ 214,000	\$ 250,000	\$ 16,000	6.8%	16.8%
4904 Metered Indstrial Sales-Jax Lab-Qtrly	\$ 177,698	\$ 155,000	\$ 171,000	\$ 167,000	\$ 12,000	7.7%	-2.3%
4905 Metered Indstrial Sales-Jax Lab-Seas.	\$ 3,035	\$ 3,000	\$ 5,000	\$ 4,000	\$ 1,000	33.3%	-20.0%
4906 Metered Sales Government-Qtrly	\$ 43,735	\$ 42,000	\$ 44,000	\$ 43,000	\$ 1,000	2.4%	-2.3%
4907 Metered Sales Government-Seas.	\$ 35,223	\$ 33,000	\$ 34,000	\$ 33,000	\$ -	0.0%	-2.9%
4920 Public Fire Protection/Hydrant -	\$ 585,604	\$ 585,604	\$ 585,604	\$ 585,604	\$ -	0.0%	0.0%
4922 Private Fire Protection	\$ 136,135	\$ 133,000	\$ 148,000	\$ 140,000	\$ 7,000	5.3%	-5.4%
4938 Misc Water Fees	\$ 10,116	\$ 10,000	\$ 10,000	\$ 10,000	\$ -	0.0%	0.0%
Subtotal-PUC Regulated Revenues	\$ 2,204,805	\$ 2,099,804	\$ 2,127,804	\$ 2,153,804	\$ 54,000	2.6%	1.2%
Total Water Revenues	\$ 2,292,041	\$ 2,124,804	\$ 2,144,804	\$ 2,176,804	\$ 52,000	2.4%	1.5%

Town of Jar Harbor
FY 2022
Water Budget

APY	Actual Last Yr.		Budget This Yr.		ETY		RNY		RNY		RNY	
	6/30/2020	FY20 Actual	6/30/2021	FY21 Budget	6/30/2021	FY21 Estimate	6/30/2022	Request Next Yr.	\$ Change vs. Bgt.'21	% Change vs. Bgt.'21	% Change vs. Est.'21	
4098-	53 - CONTRACTUAL SERVICES:											
5304	\$ 2,500	\$ 2,600	\$ 2,600	\$ 2,600	\$ 2,600	\$ 2,600	\$ 2,700	\$ 100	4%	4%	4%	
5306	\$ 81,774	\$ 83,183	\$ 83,183	\$ 83,183	\$ 83,183	\$ 83,183	\$ 83,183	\$ -	0%	0%	0%	
5312	\$ 1,638	\$ 2,000	\$ 1,800	\$ 2,000	\$ 1,800	\$ 2,000	\$ 2,000	\$ -	0%	0%	11%	
5314	\$ 1,915	\$ 1,900	\$ 3,164	\$ 2,400	\$ 3,164	\$ 2,400	\$ 2,400	\$ 500	26%	-24%	8%	
5315	\$ 8,010	\$ 7,800	\$ 7,400	\$ 8,000	\$ 7,400	\$ 8,000	\$ 8,000	\$ 200	3%	3%	44%	
5326	\$ 4,271	\$ 7,000	\$ 4,500	\$ 7,000	\$ 4,500	\$ 6,500	\$ (500)	\$ -	-7%	10%		
5332	\$ 647	\$ 1,100	\$ 1,000	\$ 1,100	\$ 1,000	\$ 1,100	\$ 400	\$ 5,500	30%	0%		
5334	\$ 2,095	\$ 1,600	\$ 4,371	\$ 2,000	\$ 4,371	\$ 2,000	\$ 24,000	\$ -	0%	400%		
5336	\$ 17,189	\$ 18,500	\$ 24,100	\$ 18,500	\$ 24,100	\$ 24,000	\$ 1,000	\$ (200)	-13%	18%		
5340	\$ -	\$ 1,000	\$ 200	\$ 1,000	\$ 200	\$ 1,300	\$ 700	\$ -	0%	40%		
5348	\$ 932	\$ 1,500	\$ 700	\$ 1,500	\$ 700	\$ 900	\$ -	\$ -	0%	0%		
5360	\$ -	\$ 9,000	\$ -	\$ 9,000	\$ -	\$ 9,000	\$ -	\$ -	0%	0%		
5362	\$ -	\$ 79,200	\$ 79,200	\$ 79,200	\$ 79,200	\$ 79,200	\$ -	\$ -	0%	0%		
5364	\$ 79,023	\$ 22,000	\$ 18,000	\$ 22,000	\$ 18,000	\$ 22,000	\$ -	\$ -	0%	22%		
5368	\$ 17,681	\$ 17,500	\$ 21,729	\$ 18,000	\$ 21,729	\$ 18,000	\$ 500	\$ -	0%	-17%		
5372	\$ 18,480	\$ 27,000	\$ 27,000	\$ 27,000	\$ 27,000	\$ 27,000	\$ -	\$ -	0%	0%		
5374	\$ 27,000	\$ 2,700	\$ 3,220	\$ 2,700	\$ 3,220	\$ 2,700	\$ -	\$ -	0%	-16%		
5378	\$ 479	\$ 9,000	\$ 8,500	\$ 9,000	\$ 8,500	\$ 9,000	\$ -	\$ -	0%	6%		
5384	\$ 7,347	\$ 270,981	\$ 291,567	\$ 295,283	\$ 291,567	\$ 301,783	\$ 6,500	\$ -	2%	3.5%		
	Total CONTRACTUAL SERVICES	\$ 270,981	\$ 295,283	\$ 291,567	\$ 301,783	\$ 125,100	\$ 1,400	\$ 1,400	1%	9%		
4098-	54 - MATERIALS & SUPPLIES:											
5410	\$ 3,858	\$ 4,200	\$ 4,552	\$ 4,200	\$ 4,552	\$ 4,200	\$ 4,200	\$ -	0%	-8%		
5412	\$ 642	\$ 1,900	\$ 1,800	\$ 1,900	\$ 1,800	\$ 1,900	\$ 1,900	\$ -	0%	6%		
5418	\$ 512	\$ 1,000	\$ 600	\$ 1,000	\$ 600	\$ 1,000	\$ -	\$ -	0%	67%		
5423	\$ 3,220	\$ 5,600	\$ 4,000	\$ 5,000	\$ 4,000	\$ 5,000	\$ (600)	\$ -	-11%	25%		
5424	\$ 19,650	\$ 33,000	\$ 23,000	\$ 31,000	\$ 23,000	\$ 31,000	\$ (2,000)	\$ -	-6%	35%		
5425	\$ 4,365	\$ 8,000	\$ 5,500	\$ 7,000	\$ 5,500	\$ 7,000	\$ (1,000)	\$ -	-13%	27%		
5426	\$ 26,767	\$ 23,000	\$ 28,000	\$ 23,000	\$ 28,000	\$ 27,000	\$ 4,000	\$ -	17%	-4%		
5427	\$ 7,689	\$ 10,000	\$ 8,000	\$ 10,000	\$ 8,000	\$ 10,000	\$ -	\$ -	0%	25%		
5428	\$ 16,133	\$ 13,500	\$ 12,000	\$ 13,500	\$ 12,000	\$ 13,500	\$ -	\$ -	0%	13%		
5436	\$ 1,395	\$ 2,300	\$ 2,200	\$ 2,300	\$ 2,200	\$ 2,300	\$ -	\$ -	0%	5%		
5438	\$ 17,700	\$ 13,500	\$ 19,124	\$ 14,500	\$ 19,124	\$ 14,500	\$ 1,000	\$ -	7%	-24%		
5444	\$ 991	\$ 2,600	\$ 1,400	\$ 2,600	\$ 1,400	\$ 2,600	\$ -	\$ -	0%	86%		
5458	\$ 6,108	\$ 5,100	\$ 5,100	\$ 5,100	\$ 5,100	\$ 5,100	\$ -	\$ -	0%	0%		
	Total MATERIAL & SUPPLIES:	\$ 109,030	\$ 123,700	\$ 115,276	\$ 125,100	\$ 125,100	\$ 1,400	\$ 1,400	1%	9%		

Town of Star Harbor
 FY 2022
 Water Budget

	APY Actual Last Yr. 6/30/2020 FY20 Actual	BTY Budget This Yr 6/30/2021 FY21 Budget	ETY Estimate This Yr 6/30/2021 FY21 Estimate	RNY Request Next Yr 6/30/2022 FY22 Budget	RNY \$ Change vs. Bgt.'21	RNY % Change vs. Bgt.'21	RNY % Change vs. Est.'21
4098 55 - UTILITIES & COMMODITIES:							
5504 Utility-Electricity	\$ 31,295	\$ 34,900	\$ 31,500	\$ 34,900	\$ -	0%	11%
5506 Utility-Electricity Pumping	\$ 1,865	\$ 3,000	\$ 2,400	\$ 3,000	\$ -	0%	25%
5514 Utility-Motor Fuel-Diesel	\$ 34	\$ 500	\$ 33	\$ 500	\$ -	0%	1415%
5516 Utility-Motor Fuel-Gasoline	\$ 9,943	\$ 11,500	\$ 10,800	\$ 11,500	\$ -	0%	6%
5520 Utility-Propane	\$ 6,496	\$ 8,500	\$ 7,200	\$ 8,500	\$ -	0%	18%
5528 Utility-Telephone & Cellular	\$ 6,262	\$ 5,000	\$ 5,298	\$ 5,200	\$ 200	4%	-2%
5530 Utility-Water	\$ 224	\$ 600	\$ 500	\$ 600	\$ -	0%	20%
Total UTILITIES & COMMODITIES	\$ 56,119	\$ 64,000	\$ 57,731	\$ 64,200	\$ 200	0%	11%
4098 56 - REPAIRS & MAINTENANCE							
5602 Rep & Mt-Buildings	\$ 4,758	\$ 2,400	\$ 2,000	\$ 2,400	\$ -	0%	20%
5618 Rep & Mt-Equipment, Gen'l	\$ 1,983	\$ 2,500	\$ 2,200	\$ 2,500	\$ -	0%	14%
5626 Rep & Mt-Hydrants	\$ 7,456	\$ 7,500	\$ 7,000	\$ 7,500	\$ -	0%	7%
5628 Rep & Mt-Mains	\$ 78,540	\$ 43,200	\$ 53,137	\$ 45,000	\$ 1,800	4%	-15%
5630 Rep & Mt-Meters	\$ 63,296	\$ 64,000	\$ 75,407	\$ 64,000	\$ -	0%	-15%
5634 Rep & Mt-Plant & Wtr Treatmnt Equipmnt	\$ 19,225	\$ 14,500	\$ 20,208	\$ 15,000	\$ 500	3%	-26%
5642 Rep & Mt-Pumping Equipment	\$ 855	\$ 3,600	\$ 7,829	\$ 4,000	\$ 400	11%	-49%
5650 Rep & Mt-Services	\$ 36,873	\$ 19,500	\$ 33,996	\$ 21,000	\$ 1,500	8%	-38%
5652 Rep & Mt-Standpipes	\$ 812	\$ 800	\$ 4,550	\$ 1,200	\$ 400	50%	-74%
5658 Rep & Mt-Vehicles	\$ 7,749	\$ 6,000	\$ 6,000	\$ 6,300	\$ 300	5%	5%
Total REPAIRS & MAINTENANCE	\$ 221,547	\$ 164,000	\$ 212,327	\$ 168,900	\$ 4,900	3%	-20%
4098 57 - EQUIPMENT PURCHASES							
5700 Equip Purch-Computers & Printers	\$ 2,541	\$ 6,300	\$ 6,720	\$ 4,600	\$ (1,700)	-27%	-32%
5702 Equip Purch-Office Furniture	\$ -	\$ -	\$ -	\$ -	\$ -	-	-
5704 Equip Purch-Operating Equipment	\$ 7,722	\$ 12,200	\$ 6,600	\$ 35,000	\$ 22,800	187%	430%
Total EQUIPMENT PURCHASES	\$ 10,263	\$ 18,500	\$ 13,320	\$ 39,600	\$ 21,100	114%	197%

Town of Harbor
 FY 2022
 Water Budget

	APY Actual Last Yr. 6/30/2020 FY20 Actual	BTY Budget This Yr 6/30/2021 FY21 Budget	ETY Estimate This Yr 6/30/2021 FY21 Estimate	RNY Request Next Yr 6/30/2022 FY22 Budget	RNY \$ Change vs. Bgt.'21	RNY % Change vs. Bgt.'21	RNY % Change vs. Est.'21
58 - OTHER-INS, TRVL, ADV, MISC:							
4098 5800 Advertising	\$ 1,114	\$ 2,400	\$ 2,000	\$ 2,400	\$ -	0%	20%
5802 Uncollectible Customer Accts	\$ -	\$ 500	\$ 140	\$ 500	\$ -	0%	257%
5808 Dues-Licenses & Other	\$ 4,435	\$ 4,500	\$ 3,030	\$ 4,500	\$ -	0%	49%
5822 Insurance-General & Pub Off. Liab.	\$ 5,397	\$ 5,400	\$ 5,049	\$ 5,400	\$ -	0%	7%
5824 Insurance-Property & Casualty	\$ 6,006	\$ 6,250	\$ 5,978	\$ 6,250	\$ -	0%	5%
5826 Insurance-Vehicle Coll./Liab.	\$ 5,060	\$ 5,250	\$ 5,229	\$ 5,250	\$ -	0%	0%
5832 Permits & Fees	\$ 818	\$ 600	\$ 600	\$ 600	\$ -	0%	0%
5836 Postage & Shipping Costs	\$ 3,573	\$ 3,200	\$ 3,400	\$ 3,400	\$ 200	6%	0%
5840 Regulatory Assessments	\$ 13,148	\$ 11,000	\$ 6,526	\$ 11,000	\$ -	0%	69%
5844 Training, Workshops, Etc.	\$ 1,530	\$ 2,500	\$ 3,435	\$ 2,500	\$ -	0%	-27%
5846 Travel, Rooms, Miles & Meals	\$ 593	\$ 2,400	\$ 2,000	\$ 2,400	\$ -	0%	20%
6008 Rate Case Amortization	\$ -	\$ 3,500	\$ -	\$ 3,500	\$ -	0%	#DIV/0!
Total OTHER-INS, TRAVL, ADV, MISC	\$ 41,674	\$ 47,500	\$ 37,387	\$ 47,700	\$ 200	0%	28%
59 - UNCLASSIFIED							
4098 5910 Debt Service-Interest	\$ 131,340	\$ 123,460	\$ 120,960	\$ 107,717	\$ (15,743)	-13%	-11%
Total DEBT SERVICE-INTEREST	\$ 131,340	\$ 123,460	\$ 120,960	\$ 107,717	\$ (15,743)	-13%	-11%
60 - DEPRECIATION & AMORT.:							
4098 6000 Amortization-Acquisition Adjustment	\$ 70,124	\$ 70,124	\$ 70,124	\$ 70,124	\$ -	0%	0%
6006 Amortization-Debt Expenses	\$ 723	\$ 723	\$ 723	\$ 723	\$ -	0%	0%
6012 Depreciation-	\$ 249,507	\$ 244,000	\$ 244,000	\$ 246,000	\$ 2,000	0%	0%
6014 Depreciation-Cont In Aid of Construction	\$ 9,844	\$ 9,840	\$ 9,844	\$ 9,844	\$ 4	0%	0%
Total DEPRECIATION & AMORTIZATION EXPS:	\$ 330,198	\$ 324,687	\$ 324,691	\$ 326,691	\$ 2,004	1%	1%

4098-	Capital Expenditures	APY Actual Last Yr. 6/30/2020 FY20 Actual	BTY		ETY		RNY Request Next Yr. 6/30/2022 FY22 Budget	RNY \$ Change vs. Bgt.'21	RNY % Change vs. Bgt.'21	RNY % Change vs. Est.'21
			Budget This Yr. 6/30/2021 FY21 Budget	Estimate This Yr. 6/30/2021 FY21 Estimate						
	CAPITAL SPENDING									
6900	Update Master Plan	\$ 17,765	\$ -	\$ -	\$ -	\$ -	\$ -			
6900	Master Plan-Evaluate Eagle L Outlet Dam	\$ -	\$ 10,000	\$ -	\$ -	\$ -	\$ -			
6904	Portable Generator & Repl. Pipe locator					12,500				
6906	Turbidimeter & Dist. Sample Station					12,000				
6908	Citizen Self Service/Asset Mgt software		\$ 5,000	\$ 7,800	\$ -	\$ -				
6912	Purchase CO2 tank		\$ -	\$ -	\$ 40,000	\$ -				
6916	Demo Dreamwood Hill Tank	\$ 8,500	\$ -	\$ -	\$ -	\$ -				
6914	Fiber Optic purchase		\$ 20,000	\$ -	\$ -	\$ 20,000				
6916	Pumphouse-Paving lot	\$ 3,400	\$ -	\$ -	\$ -	\$ -				
6918	Hydrants Replacements	\$ 23,949	\$ 10,000	\$ 14,542	\$ -	\$ 10,000				
6922	Main Replacements-Rodick St.		\$ -	\$ 9,167	\$ -	\$ 110,000				
6923	Main Replacements-Shannon Rd		\$ -	\$ -	\$ -	\$ 250,000				
6922	Main Replacements-Ash Place	\$ 7,381	\$ -	\$ 100,560	\$ -	\$ -				
6922	Main -Hancock St		\$ 230,000	\$ -	\$ -	\$ 230,000				
6922	Main - Livingston Rd		\$ 40,000	\$ -	\$ -	\$ -				
6922	Main Replacements-Devon Rd	\$ 152,973	\$ -	\$ -	\$ -	\$ -				
6922	Main - Ferry Term to Booster Sta		\$ 200,000	\$ -	\$ -	\$ -				
6922	Main-Kennebec Place		\$ -	\$ -	\$ 70,000	\$ -				
6922	Main-Holland Ave		\$ -	\$ -	\$ -	\$ -				
6928	Service Replacements	\$ 16,652	\$ 10,000	\$ 1,078	\$ -	\$ 10,000				
6932	Vehicles-Pick up truck/Plow Blade	\$ 39,493	\$ 37,000	\$ 28,941	\$ 7,000	\$ 7,000				
6950	CIP Reserve-		\$ 8,000	\$ 15,619	\$ -	\$ -				
	Totals-Gross Capital Spending	\$ 270,113	\$ 570,000	\$ 177,707	\$ 771,500	\$ 771,500				
	Less: CIAC-Serv	\$ -	\$ -	\$ (1,078)	\$ -	\$ -				
	Less: CSO Grant	\$ (15,000)	\$ -	\$ -	\$ -	\$ -				
	Net Capital Spending (internal funds)	\$ 255,113	\$ 570,000	\$ 176,629	\$ 771,500	\$ 771,500				

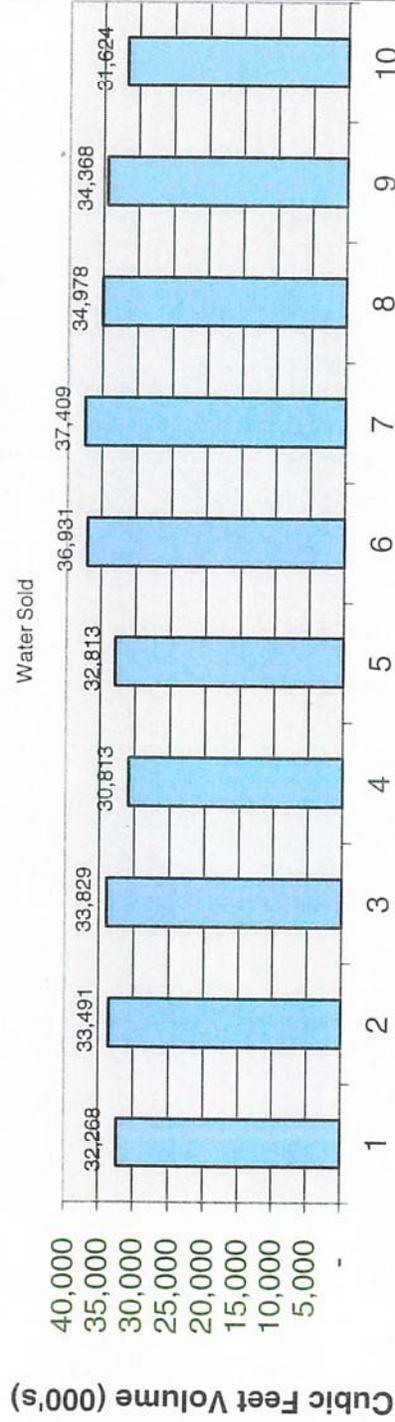
List of Positions - Authorized Wages

A/c #	-base pay-	Present Rate @ 6-30-21	June '21 Base Wage	Proposed 3.0% Rate or Hours 2080	FY22 Proposed Base Wages 3.0%	Proposed FY22 Budget
5100	Superintendent -Salary- Van Trump Less 1/2 charged to Wastewater	\$ 91,792	\$ 91,792		\$ 94,546 \$ (47,273)	\$ 94,546 \$ (47,273)
	Foreman/Lic. Oper.-BA	\$ 21.89	\$ 45,531	22.55	\$ 46,897	\$ 46,897
	Office Manager-NW	\$ 23.71	\$ 49,317	24.42	\$ 50,796	\$ 50,796
	Water Maint/Eqpt Worker-BL	\$ 21.46	\$ 44,637	22.10	\$ 45,976	\$ 45,976
	Water Maint. Worker-open	\$ 17.76	\$ 36,941	18.29	\$ 38,049	\$ 38,049
	Water Maint. Worker-JA	\$ 19.02	\$ 39,562	19.59	\$ 40,748	\$ 40,748
	Water New Position FY22			19.00	\$ 39,520	\$ 39,520
	Wage Adjustments (for licenses)			3.50	\$ 7,280	\$ 7,280
5105	Total wages-hourly		\$ 215,987		\$ 269,267	\$ 269,267
	Scheduled Overtime-Avg. OT rate (3)	\$ 33.53	\$ 27,231	832	\$ 28,455	\$ 28,455 (16 hrs/wk)
	Unscheduled Overtime-Avg. OT rate (3)	\$ 33.53	\$ 19,965	640	\$ 21,888	\$ 21,888
5110	Total wages-overtime		\$ 47,196		\$ 50,343	\$ 50,343
	Totals - Salaries & Wages		\$ 354,975		\$ 366,883	\$ 366,883
	Actual Unscheduled Overtime Hours - CY 2020			461		
	Actual Unscheduled Overtime Hours - CY 2019			471		
	Actual Unscheduled Overtime Hours - CY 2018			857		
	Actual Unscheduled Overtime Hours - CY 2017			826		654

Volume - 12 Month Roll Forward Volume Numbers
Cubic Feet (000's)

Jun-16		Dec-16		Jun-17		Dec-17		Jun-18		Dec-18		Jun-19		Dec-19		Jun-20		Dec-20	
FY	1	PUC Yr	2	FY	3	PUC Yr	4	FY	5	PUC Yr	6	FY	7	PUC Yr	8	FY	9	PUC Yr	10
Billed Consumption	32,268	33,491	33,829	30,813	32,813	36,931	37,409	34,978	34,368	31,624									
6 Month % Changes		4%	1%	-9%	6%	12.5%	1.3%	-6%	-2%	-8%									
YTD - 4 & 4.5 year % change		68%		67%		75%		72%		69%									
2.7% average increase in annual consumption																			
% Billed vs. Produced																			
Production Water		49,628	45,918	48,853	48,745	46,360													
YTD 4 Year % change																			

Annual Revenue Water - Volume Trends (6 Mo. Intervals)



Company purchased Oct 2001

8/6/2021

Capital Investment (CIP) Since Purchase of water Company

	6/30/2020	6/30/2021	19.75 yrs
	(18.75 yrs)	(est)	Totals

Gross Capital Investment:	\$ 8,921,358	\$ 192,519	\$ 9,113,877
Paid By: Bonding & Const/Grant Contributions	\$ 6,412,874	\$ -	\$ 6,412,874
Internally Generated Cash Used	\$ 2,508,484	\$ 192,519	\$ 2,701,003

70%
30%

Recap of Source & Use of Cash Generated (after operating expenses & debt service)

Source:
(19.75 years activity)

From Sale of Properties: (Main St. & Edgewood St.)	\$ 717,291
From Normal Operations (Metered Rates)	\$ 4,450,000
Net Cash Generated & Available for Capital/Other Uses	\$ 5,167,291

(\$225,000 per year)

Used For:

Capital Purchases	\$ 2,701,003	(\$136,000 per year)
Pay off the Underfunded Pension Plan	\$ 247,773	
For Painting Jackson Lab Tank	\$ 258,208	
Net Cash Used	\$ 3,206,984	

52%

Estimated Net Cash Increase - 19.75 years

\$ 1,960,307

Est Cash on Hand @ 6/30/21

Reserved for: Working Capital (25% of OpEx)

Accounts Payable @ 6/30/2021

CIP Carryover @ 6/30/21

Standpipe Painting Reserve

Available for the deferred CIP projects in FY22

\$ 1,960,000

\$380,000

\$48,000

\$622,000

\$128,000

\$ 1,178,000

\$ 782,000

5 Year Capital Improvement Program

Year By Year Overview

Acct. No.	Account Description	Age	Year One	Year Two	Year Three	Year Four	Year Five	Total
			FY22	FY23	FY24	FY25	FY26	
Vehicles			Funding/Spending	Funding/Spending	Funding/Spending	Funding/Spending	Funding/Spending	
6932	94 Backhoe/Loader	1994		90,000				90,000
6932	GMC Sierra-pickup-2500	2021						
6932	GMC Sierra Util Pickup-2500	2015	7,000	50,000				57,000
6932	GMC Sierra Supt Pickup-2500	2020						
6932	GMC Sierra Pickup-2500	2019			37,000			37,000
6900	Master Plan-Eagle L Outlet Dam Evalutn	Bond-Yr 2			100,000	100,000		300,000
6914	Regrade Jax Lab Tank Driveway							
6916	Standpipe Coating-1936 Steel Tank							
6916	Replace Mt Ave Pump Station	New Bond			400,000			400,000
6904	Equipment							
6904	Portable Gen./Repl. Pipe Locator		12,500					12,500
6906	Turbidity Meter/Dist. Sample Station		12,000					12,000
6906	LeROI Portable Air Compressor	1996			25,000			25,000
6914	Fiber Optic Connection		20,000					20,000
6912	Purchase CO2 Tank		40,000					40,000
	Mains (Rep = replacement)							
6922	Ferry Terminal main to Booster Stat	New Bond		200,000				200,000
6922	Rep Atlantic Ave - 6" CI -1927- 510'	Work Cap						
6922	Rep Des Isle Ave - 2" galv -1937 - 495'	Work Cap						
6922	Rep Hancock St. - 6" - 1898 - 1800'	Work Cap	230,000					230,000
6922	Rep Shannon Road - 1500' -12" from 10"	Work Cap	250,000					250,000
6922	Rep Rodick St. (West to Cottage)-470'	Work Cap	110,000					110,000
6922	Rep Kennebec Place - 350'	Work Cap	70,000					70,000
6922	Rep Livingston Road - 6" - 1912	Work Cap				40,000		40,000
6922	Rep Lower Main St. - 2050'	New Bond						
6922	Rep Cottage St. - 400'	Work Cap						
6922	Rep Glen Mary Road - 1350'	Work Cap	230,000					230,000
6922	Rep Holland Ave - 1450'	Work Cap	190,000					190,000
6922	Rep - Unidentified locations	Work Cap				100,000	100,000	200,000
	<i>Mains - subtotal</i>		660,000 #	620,000		100,000	100,000	1,320,000
6918	Hydrants-							
6928	Services -		10,000	10,000	10,000	10,000	20,000	60,000
6950	CIP Reserve-Unallocated		10,000	10,000	10,000	10,000	20,000	60,000
	Totals		771,500 #	810,000	1,150,000	270,000	260,000	3,261,500

Funded From: Operations/Fund Balance
New Bonds-/Other Grnts

771,500	810,000	300,000	270,000	260,000	2,411,500
771,500	810,000	850,000			850,000
		1,150,000	270,000	260,000	3,261,500

2020 Annual Drinking Water Quality Report

Town of Bar Harbor Water Division

Bar Harbor, Maine
PWSID ME0090120

We are pleased to present to you our Annual Drinking Water Quality Report, also known as the Consumer Confidence Report. This report, a requirement of the 1996 amendments to the Safe Drinking Water Act, is designed to inform you about the quality water and services we deliver to you every day. Our constant goal is to provide you with a safe and dependable supply of drinking water. We want you to understand the efforts we make to continually improve the water treatment process and protect our water resources. We are committed to ensuring the quality of your water.

WATER SOURCE

Bar Harbor's water is drawn from Eagle Lake in Acadia National Park. Our water, which serves a population of 4,625 through 1,850 service connections, is treated with chlorine to protect against potential bacteriological contaminants, fluoride to promote dental health, and lime for pH adjustment for corrosion control. In May 2009, our system added chloramines by means of ammonia for additional treatment in an effort to reduce Disinfection By-Products. Due to the exceptional water quality of our source, our water system has a filtration waiver.

SOURCE WATER ASSESSMENT

The Maine Drinking Water Program (DWP) has evaluated all public water supplies as part of the Source Water Assessment Program (SWAP). The assessments included geology, hydrology, land uses, water testing information, and the extent of land ownership or protection by local ordinance to see how likely our drinking water source is to being contaminated by human activities in the future. Assessment results are available at public water suppliers, town offices, and the DWP. For more information about the SWAP, please contact the DWP at telephone 207-287-2070.

If you have any questions about this report or concerning your water system, please contact Bennett Liscomb at telephone number 207-288-3555 or mailing address 50 Public Works Way, Bar Harbor, ME 04609. We want our valued customers to be informed about their water system. If you want to learn more, please contact us about the time and place of regularly scheduled meetings.

WATER QUALITY

Bar Harbor Water Division routinely monitors for contaminants in your drinking water according to Federal and State laws. The following table shows any detection resulting from our monitoring for the period of January 1st to December 31st, 2020.

In 2020, due to efforts to protect the water supply, our system was granted a 'Synthetic Organics Waiver.' This is a three-year exemption from the monitoring/reporting requirements for the following industrial chemical(s): toxaphene/chlordane/PCB, herbicides, carbamate Pesticides and semivolatle organics. This waiver was granted due to the absence of these potential sources of contamination within a half-mile radius of the water source.

The sources of drinking water include rivers, lakes, ponds and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and radioactive material and can pick up substances resulting from human or animal activity. All sources of drinking water are subject to potential contamination by substances that are naturally occurring or man-made. Contaminants that may be present in source water include:

Microbial contaminants, such as viruses and bacteria, may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.

Inorganic contaminants, such as salts and metals, can be naturally occurring or result from urban storm water runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.

Pesticides and herbicides may come from a variety of sources such as agriculture, urban storm water runoff, and residential uses.

Organic chemical contaminants, including synthetic and volatile organic chemicals, are by-products of industrial processes and petroleum production, and can also come from gas stations, urban storm water runoff, and septic systems.

Radioactive contaminants can be naturally-occurring or be the result of oil and gas production and mining activities.

In order to ensure that tap water is safe to drink, U.S. Environmental Protection Agency (EPA) prescribes regulations

which limit the amount of certain contaminants in water provided by public water systems. U.S. Food and Drug Administration (FDA) regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

The table below lists all of the drinking water contaminants that were detected throughout water quality monitoring and testing. The presence of contaminants in the water does not necessarily indicate that the water poses a health risk.

Town of Bar Harbor – Water Division had no violations in 2020

TEST RESULTS					
Unless otherwise noted, testing was done in 2020.					
Contaminant	Level Detected	Unit Measurement	MCLG	MCL	Likely Source of Contamination
Microbiological Contaminants					
Total Coliform Bacteria	0 positive	Highest monthly # of positive samples	0 positive	1 pos/mo or 5% (e. coli)	Naturally present in the environment.
Turbidity+	3.98	ntu	n/a	5	Soil runoff.
+ = Highest monthly reading in 2020					
Inorganic Contaminants					
Barium (2/12/20)	0.002	ppm	2	2	Discharge of drilling wastes. Discharge from metal refineries. Erosion of natural deposits.
Copper* (1/1/18-12/31/20)	0.0571	ppm	1.3	AL=1.3	Corrosion of household plumbing systems.
Fluoride (10/15/20)	0.72	ppm	4	4	Erosion of natural deposits. Water additive that promotes strong teeth. Discharge from fertilizer and aluminum factories.
Lead* (1/1/18-12/31/20)	2.3	ppb	0	AL=15	Corrosion of household plumbing systems.
* = Reported results are the 90 th percentile value (the value that 90% of all samples are less than).					
Disinfection By-Products – Jackson Lab					
HAA5 (2020) [Total Haloacetic Acids]	LRAA = 22.5 (Range 17-29)	ppb	0	60	By-product of drinking water chlorination.
THM (2020) [Total Trihalomethanes]	LRAA = 31.5 (Range 25-40)	ppb	0	80	By-product of drinking water chlorination.
Disinfection By-Products – Paradis True Value					
HAA5 (2020) [Total Haloacetic Acids]	LRAA = 21.8 (Range 14-29)	ppb	0	60	By-product of drinking water chlorination.
THM (2020) [Total Trihalomethanes]	LRAA = 30 (Range 25-37)	ppb	0	80	By-product of drinking water chlorination.

Note: The state allows us to monitor for some contaminants less than once per year because the concentrations of these contaminants do not change frequently. Not all contaminants are tested for every year due to monitoring waivers and therefore we must use the most recent round of sampling. Some of our data is more than one year old, however, is limited to no older than 5 years.

Definitions:

Action Level (AL) - The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

Locational Running Annual Average (LRAA) - A 12 month rolling average of all monthly or quarterly samples at specific sampling locations. Calculation of the RAA may contain data from the previous year.

Maximum Contaminant Level (MCL) - is the highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

Maximum Contaminant Level Goal (MCLG) - is the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

Maximum Residual Disinfection Level (MRDL) - The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

Maximum Residual Disinfection Level Goal (MRDLG) - The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

Not Applicable (N/A) - Does not apply

Running Annual Average (RAA) - A 12 month rolling average of all monthly or quarterly samples at all locations. Calculations of the RAA may contain data from the previous year.

Treatment Technique (TT) - A required process intended to reduce the level of a contaminant in drinking water (e.g. treatment technique for turbidity).

Variations, Exemptions, and Waivers - State or EPA permission not to meet an MCL, a treatment technique or test for a given contaminant under certain conditions.

Units:

ppm = parts per million or milligrams per liter (mg/L) pCi/L = picocuries per liter (a measure of radioactivity). MFL = million fibers per liter
ppb = parts per billion or micrograms per liter (µg/L) pos = positive samples. NTU- Nephelometric Turbidity Units (a measure of water clarity)

Notes:

Arsenic - While your drinking water may meet EPA's standard for Arsenic, if it contains between 5 to 10 ppb you should know that the standard balances the current understanding of arsenic's possible health effects against the costs of removing it from drinking water. EPA continues to research the health effects of low levels of arsenic, which is a mineral known to cause cancer in humans at high concentrations and is linked to other health effects such as skin damage and circulatory problems. Quarterly compliance is based on running annual average.

E. Coli - E. coli are bacteria whose presence indicates that the water may be contaminated with human or animal wastes. Human pathogens in these wastes can cause short-term effects, such as diarrhea, cramps, nausea, headaches, or other symptoms. They may pose a greater health risk for infants, young children, the elderly, and people with severely-compromised immune systems.

Fluoride - For those systems that fluoridate, fluoride levels must be maintained between 0.5 to 1.2 ppm. The optimum level is 0.7 ppm.

Gross Alpha - Action level over 5 pCi/L requires testing for Radium 226 and 228. Action level over 15 pCi/L requires testing for Uranium. Compliance is based on Gross Alpha results minus Uranium results = Net Gross Alpha.

Lead/Copper - Action levels (AL) are measured at consumer's tap. 90% of the tests must be equal to or below the action level.

Nitrate - Nitrate in drinking water at levels above 10 ppm is a health risk for infants of less than six months of age. High nitrate levels in drinking water can cause blue baby syndrome. Nitrate levels may rise quickly for short periods of time because of rainfall or agricultural activity. If you are caring for an infant you should ask advice from your health provider.

Radon - The State of Maine adopted a Maximum Exposure Guideline (MEG) for Radon in drinking water at 4000 pCi/L, effective 1/1/07. If Radon exceeds the MEG in water, treatment is recommended. It is also advisable to test indoor air for Radon.

Total Coliform Bacteria - Reported as the highest monthly number of positive samples, for water systems that take less than 40 samples per month.

TTHM/HAA5 - Total Trihalomethanes and Haloacetic Acids (TTHM and HAA5) are formed as a by-product of drinking water chlorination. This chemical reaction occurs when chlorine combines with naturally occurring organic matter in water. Compliance is based on running annual average.

Turbidity - Turbidity has no health effects. However, turbidity can interfere with disinfection and provide a medium for microbial growth. Turbidity may indicate the presence of disease-causing organisms. These organisms include bacteria, viruses, and parasites that can cause symptoms such as nausea, cramps, diarrhea and associated headaches.

IMPORTANT INFORMATION

Since our system chlorinates its water, we are required to report our annual average for chlorine residual.

Chlorine Residual was found to be **1.54 ppm**, with a range of 0.88 ppm to 2.06 ppm.

As you can see by the table, our system had no violations. We're proud that your drinking water meets all Federal and State requirements.

All drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline at 1-800-426-4791.

For most people, the health benefits of drinking plenty of water outweigh any possible health risk from these contaminants. However, some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/Center of Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbiological contaminants are available from the Safe Drinking Water Hotline (800-426-4791) or at <https://www.epa.gov/ccr/forms/contact-us-about-consumer-confidence-reports>.

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. We are responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for thirty (30) seconds to two (2) minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at <http://www.epa.gov/safewater/lead>.

We, at Bar Harbor Water Division, work hard to provide top quality water to every tap. We ask that all our customers help us protect and preserve our drinking water resources, which are the heart of our community, our way of life, and our children's future. Please contact us with any questions. Thank you for working together for safe drinking water.

TOWN OF BAR HARBOR, MAINE
Operating Data
For the Calendar Year Ended December 31, 2020

Water Division

<u>Largest Water Customers</u>	<u>Type of Use</u>	<u>CY2020 Revenues</u>	<u>% of Total</u>
Town of Bar Harbor	Parks, Bldgs, Schools & Hydrants	\$653,614	30.8%
Jackson Laboratory	Genetic Research & Mice Prod	223,168	10.5%
The Witham Family, LLC	Hotels (7)	95,518	4.5%
College of the Atlantic	College	30,126	1.4%
Kebo Valley Club	Golf Course	28,596	1.3%
Golden Anchor, LC	Hotel	19,001	0.9%
Mount Desert Island Hospital	Hospital	18,948	0.9%
Lafayette Bar Harbor, LLC	Hotel	18,728	0.9%
Bar Harbor Housing Authority	Low Income/Elderly Housing	15,468	0.7%
BHTC 111, LLC	Tennis/Swim Club	14,718	<u>0.7%</u>
			52.6%

<u>Number of Water System Customers</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>
Residential	1,248	1,253	1,263	1,262	1,251
Commercial	516	516	517	520	499
Industrial (Jax Lab)	47	43	42	42	42
Governmental	57	60	59	59	59
Total	1868	1872	1,881	1,883	1,851

<u>Water Sales (per 1,000 gallons)</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>
Residential	58,242	55,574	66,745	55,633	61,274
Commercial	121,831	107,157	128,798	114,587	97,312
Industrial (Jax Lab)	57,027	54,702	65,155	73,590	66,962
Public Authorities	13,419	13,050	15,548	17,821	19,915
Total Water Sales	250,519	230,483	276,246	261,631	245,463

<u>Water Sales (Revenue)</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>
Residential	\$565,386	\$553,026	\$593,948	\$572,003	\$601,167
Commercial	656,301	609,028	640,968	613,263	527,107
Industrial (Jax Lab)	156,378	159,184	164,825	209,097	174,290
Public Authorities	71,267	72,899	72,587	77,502	82,126
Public Fire Protection	585,604	585,604	585,604	585,604	585,604
Private Fire Protection	126,445	129,278	131,376	134,208	137,297
Total Water Sales	\$2,161,381	\$2,109,019	\$2,189,308	\$2,191,677	\$2,107,591

Calculation of Estimated Rate Increase

Total Operating Expenses:

	Base- Budget	Adjustments	Pro-Forma
Payroll & Benefits	\$ 546,983		\$ 546,983
Contractual Services	\$ 301,783		\$ 301,783
Materials & Supplies	\$ 125,100		\$ 125,100
Utilities & Commodities	\$ 64,200		\$ 64,200
Repairs & Maintenance	\$ 168,900		\$ 168,900
Minor Equipment Purchases	\$ 39,600		\$ 39,600
Other Miscellaneous Expenses	\$ 47,700		\$ 47,700
subtotal-cash expenses			\$ 1,294,266
Depreciation & Amortization	\$ 316,891	\$ (70,124)	\$ 246,767

*** a/c#6000

Utility Operating Expenses:

	\$ 1,611,157	\$ (70,124)	\$ 1,541,033
--	--------------	-------------	--------------

**Debt Service: Interest
Principal**

	\$ 107,717		\$ 107,717
	\$ 600,600	\$ -	\$ 600,600

Total Base Expenses for Rates

	\$ 2,319,474	\$ (70,124)	\$ 2,249,350
--	--------------	-------------	--------------

Contingency Allowance: 5%

		5%	\$ 112,467
--	--	----	------------

Total Gross Revenue Required:

	\$		\$ 2,361,817
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Revenues @ current rates:

	\$		\$ 2,171,404
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Estimated Increase in Annual Revenues Required:

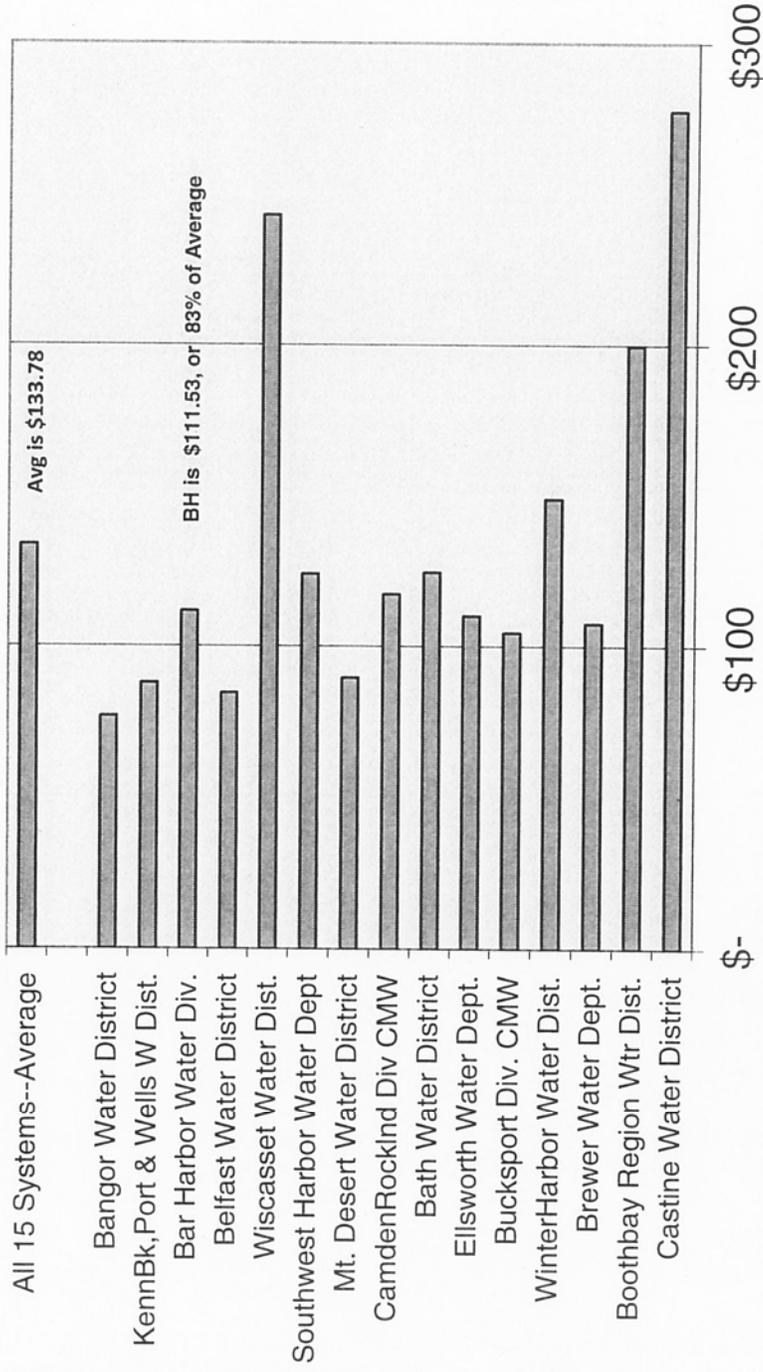
	\$		\$ 190,413
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Estimated % Increase of rates required

			8.8%
--	--	--	-------------

***eliminate purchase cost of Water Company amortization per PUC order

Water Rate Comparisons - Family Usage @ 2000 CF



Water Rate Comparisons

(USDA std)

Utility Name	Qtr Minimum 1200 CuFt	Qtr - Family 2000 CuFt	Rates Effective
Unfiltered Systems:			
Brewer Water Dept.	\$ 79.55	\$ 107.57	2018
Mt. Desert Water District	\$ -	\$ 89.50	2003 (by fixtures/ann'l)
ME Water Co.-Camden	\$ -	\$ 117.16	2014
Bar Harbor Water Div.	\$ 76.17	\$ 111.53	2016
Bangor Water District	\$ -	\$ 76.77	2019

Average Billing

\$ 100.51

BH Rate as a % of Avg. Rate

111%

Filtered Systems:

Castine Water District	\$ -	\$ 277.20	2017
Boothbay Region Wtr Dist.	\$ -	\$ 199.70	2019
WinterHarbor Water Dist.	\$ -	\$ 149.00	2019
ME Water Co-Bucksport	\$ -	\$ 104.45	2013
Ellsworth Water Dept.	\$ -	\$ 110.00	2008
Bath Water District	\$ -	\$ 124.69	2015
Southwest Harbor Water Dept	\$ -	\$ 124.12	2017
Wiscasset Water Dist.	\$ -	\$ 242.76	2018
Belfast Water District	\$ -	\$ 84.48	2015
KennBk,Port & Wells W Dist.	\$ -	\$ 87.73	2018

Supported partially by tax

Average Billing

\$ 150.41

BH Rate as a % of Avg. Rate

74%

All Systems-Average

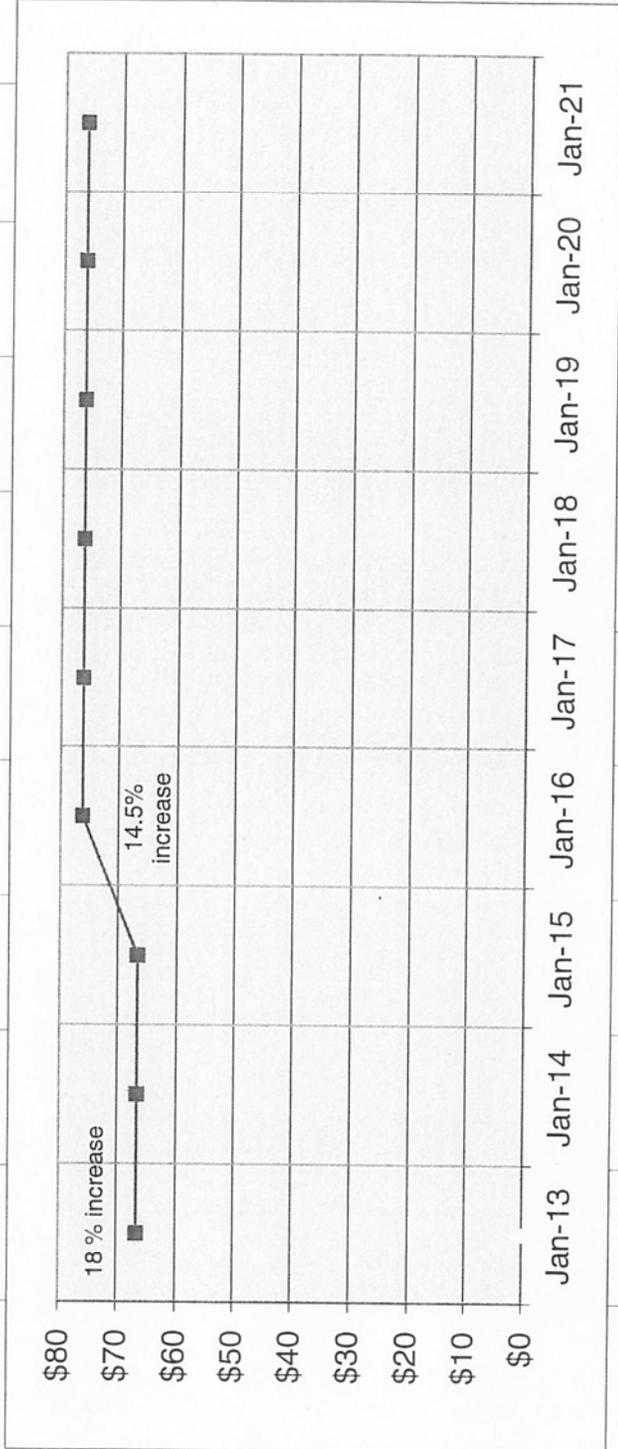
\$ 133.78

BH Rate as a % of Avg. Rate

83%

Town of Star Harbor
2022 Water Budget

Rate Increases by Town (on residential users) Effective Dates		History of Quarterly Minimum Water Charges									
		1/1/13	1/1/14	1/1/15	1/1/16	1/1/17	1/1/18	1/1/19	1/1/20	1/1/21	
	18%				14.5%						
		1/1/13	1/1/14	1/1/15	1/1/16	1/1/17	1/1/18	1/1/19	1/1/20	1/1/21	
		<i>Duckbrook Plant</i>									
Water Minimum Charge	\$	66.55	66.55	66.55	76.17	76.17	76.17	76.17	76.17	76.17	
Minimum Allowance		1200	1200	1200	1200	1200	1200	1200	1200	1200	
<p><i>an average of 1.4% increase per year over the last eight years</i></p>											



TOWN OF BAR HARBOR WATER DIVISION
 BAR HARBOR, MAINE 04609

Sheet #1
 SIXTH Revision

SCHEDULE OF METERED RATES FOR ANNUAL CUSTOMERS

Quarterly Billing

First 1,200 Cubic Feet or less per Quarter	76.17
For the next 10,800 Cubic Feet per Quarter	4.42 per 100 cu. ft.
For the next 78,000 Cubic Feet per Quarter	2.07 per 100 cu. ft.
Over 90,000 Cubic Feet per Quarter	1.35 per 100 cu. ft.

Monthly Billing

First 400 Cubic Feet or less per Month	25.39
For the next 3,600 Cubic Feet per Month	4.42 per 100 cu. ft.
For the next 26,000 Cubic Feet per Month	2.07 per 100 cu. ft.
Over 30,000 Cubic Feet per Month	1.35 per 100 cu. ft.

Minimum Charge

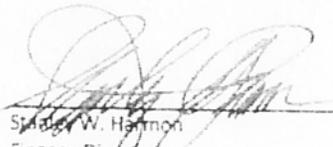
SIZE OF METER	Quarterly		Monthly	
	Allowance	Charge	Allowance	Charge
5/8"	1,200	76.17	400	25.39
3/4"	1,800	102.69	600	34.23
1"	3,000	155.73	1,000	51.91
1 1/2"	6,000	288.33	2,000	96.11
2"	9,600	447.45	3,200	149.15
3"	18,000	677.72	6,000	225.91
4"	30,000	926.13	10,000	308.71
6"	60,000	1,547.13	20,000	515.71

Terms of Payment

The minimum charge for different sizes of meters will be billed monthly or quarterly in accordance with the water division's billing procedure.

Charges under these rates will be subject to the Maine Sales Tax where applicable and are due and payable when issued. Unpaid balances of accounts thirty (30) days or more past due will be charged interest at the rate set annually by the Public Utilities Commission of the State of Maine.

Issued: October 15, 2015
 Proposed Effective: January 1, 2016
 Effective:
 Docket No: 2015-00317


 Stanley W. Harmon
 Finance Director
 Bar Harbor Water Division

TOWN OF BAR HARBOR WATER DIVISION
 BAR HARBOR, MAINE 04609

Sheet #2
 SIXTH Revision

SCHEDULE OF METERED RATES FOR SEASONAL CUSTOMERS

Quarterly Billing

First 1,600 Cubic Feet or less per Quarter	201.63
For the next 10,400 Cubic Feet per Quarter	8.87 per 100 cu. ft.
For the next 78,000 Cubic Feet per Quarter	4.13 per 100 cu. ft.
For the next 300,000 Cubic Feet per Quarter	2.07 per 100 cu. ft.
Over 390,000 Cubic Feet per Quarter	1.58 per 100 cu. ft.

Minimum Charge

SIZE OF METER	Seasonal	
	Allowance	Charge
5/8"	1,600	201.63
3/4"	2,400	272.65
1"	4,000	414.73
1 1/2"	8,000	769.92
2"	12,800	1,158.19
3"	24,000	1,621.47
4"	40,000	2,283.28
6"	80,000	3,937.81

Terms of Payment

The minimum charge for different sizes of meters will be billed monthly or quarterly in accordance with the water division's billing procedure.

Charges under these rates will be subject to the Maine Sales Tax where applicable and are due and payable when issued. Unpaid balances of accounts thirty (30) days or more past due will be charged interest at the rate set annually by the Public Utilities Commission of the State of Maine.

Issued: October 15, 2015
 Proposed Effective: January 1, 2016
 Effective:
 Docket No: 2015-00317


 Stanley W. Harmon
 Finance Director
 Town of Bar Harbor Water Division

TOWN OF BAR HARBOR WATER DIVISION
BAR HARBOR, MAINE 04609

SHEET #3
SIXTH Revision

PUBLIC FIRE PROTECTION

AVAILABLE:

To the Town of Bar Harbor for Municipal Fire Protection

RATE:

The rate for existing hydrants as installed on the system at January 1, 2016,
shall have an annual charge of

\$585,602 Annually
\$146,401 Quarterly

Rate for hydrants installed after January 1, 2016, shall be determined
in accordance with the Public Utilities Commission Rules and Regulations
Chapter 69.

The hydrant rental charge shall not be reduced, should a Town order
one or more hydrants discontinued.

Issued: October 15, 2015
Proposed Effective: January 1, 2016
Effective:
Docket No. 2015 - 00317


Stanley W. Harmon
Finance Director
Town of Bar Harbor Water Division

PRIVATE FIRE PROTECTION

AVAILABLE

To customers using the Division's service for private fire protection the following rates apply to fire protection only and include no allowance of water for other than fire fighting purposes.

RATES

Private fire service rates for automatic sprinklers, standpipes or hose connections to be used only for fire protection inside of buildings.

Annual service charge per inch of service pipe diameter

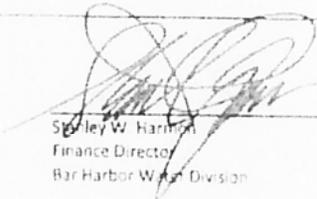
\$ 170

Annual service charge for each private hydrant with service connection furnished, installed and maintained by user for private fire protection.

\$ 1,362

Private protection is billable on April 1st.

Issued October 15, 2015
Proposed Effective January 1, 2016
Effective
Docket No 2015-00117



Stanley W. Harmon
Finance Director
Bar Harbor Water Division

FY22 Budget

Debt Service

Bond Issue B

UNDERGROUND WATER TANK PURCHASE

#40-2760

Original Principal = \$750,000

Issued February 15, 2002

Effective Interest Rate = 2.673%

Payment Dates: April 1 (interest only) October 1 (principal and interest)

Although these are general obligation bonds, all payments will be made from Water Fund revenues.

Lender: Maine Bond Bank/State Revolving Fund - DHS

Paying agent fee: None

Cannot be refinanced.

FY	Date	Effective Intrest.Rate	Principal Payment	Interest Payment	Payment Total	Water Fund FY Total
22	10/1/21	2.67%	47,184.05	2,881.88	50,065.93	50,065.93

Bond Issue F

PUBLIC WORKS PROJECTS: FY10

#2184-6510

Original Principal = \$4,300,000 *

*Original Authorization = \$5,140,947, but reduced when CSO postponed.

Orig. Issued: 5/1/10

Interest Rate = 5.0%

Payment Split: CIP Fund = 86% Water Fund = 14%

Payment Dates: May 1 (principal and interest) & November 1 (interest only)

Lender: Bank of New York Mellon

Paying Agent: Bank of New York Mellon

Agent Fee: None

Refinancing: Done in May, 2020

Bond Issue F - Public Works Projects: FY10

#40-2765

**** WATER FUND SHARE ****

FY	Date	Interest Rate	Principal Payment	Interest Payment	Payment Total	Water Fund FY Total	FY
22	11/1/21	5.00%	0.00	5,860.48	5,860.48		
	5/1/22	5.00%	25,813.95	5,860.48	31,674.43	37,534.91	22
23	11/1/22	5.00%	0.00	5,215.13	5,215.13		
	5/1/23	5.00%	25,813.95	5,215.13	31,029.08	36,244.21	23
24	11/1/23	5.00%	0.00	4,569.78	4,569.78		
	5/1/24	5.00%	25,813.95	4,569.78	30,383.73	34,953.51	24
25	11/1/24	5.00%	0.00	3,924.43	3,924.43		
	5/1/25	5.00%	25,813.95	3,924.43	29,738.38	33,662.81	25
26	11/1/25	5.00%	0.00	3,279.08	3,279.08		
	5/1/26	5.00%	27,906.98	3,279.08	31,186.06	34,465.14	26
27	11/1/26	5.00%	0.00	2,581.40	2,581.40		
	5/1/27	5.00%	25,813.95	2,581.40	28,395.35	30,976.75	27
28	11/1/27	5.00%	0.00	1,936.05	1,936.05		
	5/1/28	5.00%	25,813.95	1,936.05	27,750.00	29,686.05	28
29	11/1/28	5.00%	0.00	1,290.70	1,290.70		
	5/1/29	5.00%	25,813.95	1,290.70	27,104.65	28,395.35	29
30	11/1/29	5.00%	0.00	645.35	645.35		
	5/1/30	5.00%	25,813.95	645.35	26,459.30	27,104.65	30
Total Water Fund Share			234,418.58	58,604.80	293,023.38	293,023.38	

FY22 Budget

Bond Issue H
WATER SYSTEM IMPROVEMENTS: 2011

#40-2768

Original Principal:	Lender:
1,224,000 Approved by Voters June 2011 for Duck Brook Pump Station Upgrade and Watermain Replacement	Morgan Stanley & Co
2,515,000 Approved by Council to Refinance 2001 Bond issued for purchase of Water Company	
<u>3,739,000</u> Total	

Date of Issue: 9/15/11	Paying agent: Bank of New York/ Mellon Trust
Interest Rate = 2.0% - 3.50% (Avg. - 2.29%)	Refinance: After Dec. 2021
Payment Dates: December 1 (principal and interest) & June 1 (interest only)	

FY	Date	Interest Rate	Principal Payment	Interest Payment	Payment Total	Fiscal Year Total
22	12/01/21	3.00%	311,642.00	15,994.54	327,636.54	
	06/01/22			11,319.91	11,319.91	338,956.45
23	12/01/22	3.00%	59,339.00	11,319.91	70,658.91	
	06/01/23			10,429.83	10,429.83	81,088.74
24	12/01/23	3.00%	62,036.00	10,429.83	72,465.83	
	06/01/24			9,499.29	9,499.29	81,965.12
25	12/01/24	3.00%	64,733.00	9,499.29	74,232.29	
	06/01/25			8,528.29	8,528.29	82,760.58
26	12/01/25	3.00%	67,431.00	8,528.29	75,959.29	
	06/01/26			7,516.83	7,516.83	83,476.12
27	12/01/26	3.00%	70,128.00	7,516.83	77,644.83	
	06/01/27			6,464.91	6,464.91	84,109.74
28	12/01/27	3.125%	72,825.00	6,464.91	79,289.91	
	06/01/28			5,327.02	5,327.02	84,616.93
29	12/01/28	3.25%	75,522.00	5,327.02	80,849.02	
	06/01/29			4,099.78	4,099.78	84,948.80
30	12/01/29	3.25%	78,219.00	4,099.78	82,318.78	
	06/01/30			2,828.72	2,828.72	85,147.50
31	12/01/30	3.375%	80,917.00	2,828.72	83,745.72	
	06/01/31			1,463.25	1,463.25	85,208.97
32	12/01/31	3.50%	83,614.00	1,463.25	85,077.25	
	06/01/32					85,077.25
Totals			1,026,406.00	150,950.20	1,177,356.20	1,177,356.20

~ ~ Debt Service Continued on Next Page ~ ~

Bond Issue I

WATER SYSTEM IMPROVEMENTS: 2012 - SRF

#40-2755

Duck Brook Water Pumping Station renovations, water treatment system improvements and main replacements. Financed by the Maine Drinking Water Program's State Revolving Loan Fund (SRF), using General Obligation (GO) notes, but is being repaid by the Water Fund from user fees.

Original Principal = \$2,662,957

Date of Issue: 10/1/2012

Average Interest Rate = 1.5%

Payment Dates: October 1 (principal and interest) & April 1 (interest only)

Lender: Maine Municipal Bond Bank
Cannont Refinance

<i>Fiscal Year</i>	<i>Date</i>	<i>Principal Payment</i>	<i>Interest Payment</i>	<i>Payment Total</i>	<i>Fiscal Year Total</i>
22	10/01/21	130,960.00	15,267.73	146,227.73	
	04/01/22	0.00	8,032.19	8,032.19	154,259.92
23	10/01/22	132,269.00	14,645.64	146,914.64	
	04/01/23	0.00	7,337.77	7,337.77	154,252.41
24	10/01/23	133,592.00	14,017.37	147,609.37	
	04/01/24	0.00	6,636.41	6,636.41	154,245.78
25	10/01/24	134,928.00	13,382.81	148,310.81	
	04/01/25	0.00	5,928.04	5,928.04	154,238.85
26	10/01/25	136,277.00	12,741.89	149,018.89	
	04/01/26	0.00	5,212.58	5,212.58	154,231.47
27	10/01/26	137,640.00	12,094.58	149,734.58	
	04/01/27	0.00	4,489.97	4,489.97	154,224.55
28	10/01/27	139,016.00	11,440.77	150,456.77	
	04/01/28	0.00	3,760.13	3,760.13	154,216.90
29	10/01/28	140,406.00	10,780.43	151,186.43	
	04/01/29	0.00	3,023.00	3,023.00	154,209.43
30	10/01/29	141,811.00	10,113.55	151,924.55	
	04/01/30	0.00	2,278.49	2,278.49	154,203.04
31	10/01/30	143,229.00	9,439.94	152,668.94	
	04/01/31	0.00	1,526.53	1,526.53	154,195.47
32	10/01/31	144,660.00	8,759.53	153,419.53	
	04/01/32	0.00	767.07	767.07	154,186.60
33	10/01/32	146,108.00	8,072.47	154,180.47	
					154,180.47
Totals		1,660,896.00	189,748.89	1,850,644.89	1,850,644.89

-- Debt Service Continued on Next Page --

FY22 Budget

Bond Issue L
ROUTE #3 WATER MAINS: FY16

#40-2740

Authorized by Town Meeting Vote @ 6/2/2015 , dated 9/10/2015
 Repaid by Water Rates

Principal = \$ 1,700,000 Lender: Roosevelt & Cross, Inc. & Assoc.
 Interest Rate = 3.30% Avg. TIC: 2.49% after bond premium
 Term in Years = 20 Refinance only after October 2025
 Paying Agent: US Bank St. Paul

<i>Fiscal Year</i>	<i>Due Date</i>	<i>Principal Payment</i>	<i>Interest Payment</i>	<i>Payment Total</i>	<i>Fiscal Year Total</i>	
22	10/15/21	85,000.00	21,887.50	106,887.50		
	04/15/22		20,612.50	20,612.50	127,500.00	3.0%
23	10/15/22	85,000.00	20,612.50	105,612.50		4.0%
	04/15/23		18,912.50	18,912.50	124,525.00	
24	10/15/23	85,000.00	18,912.50	103,912.50		4.0%
	04/15/24		17,212.50	17,212.50	121,125.00	
25	10/15/24	85,000.00	17,212.50	102,212.50		4.0%
	04/15/25		15,512.50	15,512.50	117,725.00	
26	10/15/25	85,000.00	15,512.50	100,512.50		5.0%
	04/15/26		13,387.50	13,387.50	113,900.00	
27	10/15/26	85,000.00	13,387.50	98,387.50		5.0%
	04/15/27		11,262.50	11,262.50	109,650.00	
28	10/15/27	85,000.00	11,262.50	96,262.50		2.5%
	04/15/28		10,200.00	10,200.00	106,462.50	
29	10/15/28	85,000.00	10,200.00	95,200.00		3.0%
	04/15/29		8,925.00	8,925.00	104,125.00	
30	10/15/29	85,000.00	8,925.00	93,925.00		3.0%
	04/15/30		7,650.00	7,650.00	101,575.00	
31	10/15/30	85,000.00	7,650.00	92,650.00		3.0%
	04/15/31		6,375.00	6,375.00	99,025.00	
32	10/15/31	85,000.00	6,375.00	91,375.00		3.0%
	04/15/32		5,100.00	5,100.00	96,475.00	
33	10/15/32	85,000.00	5,100.00	90,100.00		3.0%
	04/15/33		3,825.00	3,825.00	93,925.00	
34	10/15/33	85,000.00	3,825.00	88,825.00		3.0%
	04/15/34		2,550.00	2,550.00	91,375.00	
35	10/15/34	85,000.00	2,550.00	87,550.00		3.0%
	04/15/35		1,275.00	1,275.00	88,825.00	
36	10/15/35	85,000.00	1,275.00	86,275.00		3.0%
				86,275.00		
		1,275,000.00	307,487.50	1,582,487.50	1,582,487.50	