
FY21 Water Fund Budget

As Introduced

By The

Finance Director &
Public Works Director

September 15, 2020

Town of Bar Harbor

FY 2021 Water Budget

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Memo

To: Town Councilors; Cornell Knight, Town Manager

From: Stan Harmon, Finance Director

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

Date: 9/4/20

Re: Water Budget Message – FY2021 Water Budget

Summary

This FY2021 budget for the Bar Harbor Water Division proposes the following changes from last year's 2020 budget:

- **No rate increase for the 5th year in a row**
- **Gross capital expenditures projected at \$570,000, with no bonding**
- **A 1.3% budgeted decrease of anticipated revenues**
- **A 5.2% budgeted increase of operating expenses**

Revenues in FY21 are projected to be 1.3% lower than the FY20 budget and 4.6% lower than the projected FY20 results. Total operating expenses, including depreciation, over the 2020 budget are scheduled to increase by 5.2%. Capital spending is requested at \$570,000 covered by internally generated funds. The fiscal year just ending (FY20) projects a positive cash flow of approximately \$96,622, primarily because of deferred capital spending. Next year, we are budgeting for \$362,922 in cash drawn down because of increased capital spending.

Major Highlights to the Budget

Besides capital investment, there is one major item that impacts the budget.

The COVID19 pandemic. Because of the short term local negative economic impact on both residents and businesses, there is a recommendation to hold off a recommended increase to cover the day to day operating expenses. This delay of at least a year, however, will not negatively impact the Water Division's operations due to its healthy cash fund balance currently from previously deferred capital investment. Using the PUC rate case formula, shown elsewhere in this budget, that increase would be approximately 7%. There will most assuredly be a decrease in revenue and volume this year due to the delay in certain businesses opening up for the tourist season and a lower number of tourist visits.

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Statistical Infrastructure & Operational Data of the Water Division

There are 1786 metered customers, of which 71%, or 1259 accounts, are classified as Residential. 25% of these total metered customers as well as 22% of the related revenue volume are seasonal customers, but 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 \$8.9 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 9.3 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 15% 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. 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 2019 annual filing with the *Public Utilities Commission* provides additional detail operating data and is located on the State PUC website as well as the Town website under the Water Division of Public Works.

Current Water Rates & Average Customer Bill (no changes from last year)

- 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 below the average rate of \$114.84 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 respective decreases in volume of 1.5% from the FY 20 budget and a 2.5% decrease from the current FY 20 actual 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 impact at this point, but all categories do show an expected decrease from FY20 actuals. Page 15 shows the trends of total annual water sales since 2015 in six month rolling averages which shows 7% more volume compared to 4.5 years ago. Ten years ago the Town billed approximately 55% of the water transmitted from Eagle Lake. However, by

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2019, that percent increased to 72%, a gradual improvement over the years due primarily to its 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 long term water use projections provided to the Town have shown generally level usage for the next few years.

Revenues

The 2021 budget assumes a moderate expected decrease in gross revenue due to the impact of the pandemic, but we have the same rate structure compared to FY2020 estimated and the FY2020 budget, so the minimum in place quarterly and seasonal charges will soften the decrease. A dry or wet season (volume usage) is typically the largest factor in our fluctuation of revenues along with JaxLab mice production fluctuation being another significant factor. We bill in advance, with the excess billed in arrears, so the first indicator of anticipated lesser usage of this Spring due to COV19 through late June will be reflected in the July 1st billing. Since Water revenues are billed in advance, the FY20 positive results were not significantly impacted by COV19. For example, usage/volume of this past 2nd quarter is not billed until the 3rd quarter.

Operating Expenditures

The proposed FY2021 water budget reflects a 4.9% overall increase in operating expenses over the FY '20 budget year and a 1.1% increase over this past year's estimated final expenses. Payroll and benefits, in total, are anticipated to reflect an 6.6% increase above last year's budget due mostly to health insurance costs. The budgeted wage increase is 3.0% (COLA), same as the General Fund employees.

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

- Benefits-All Accts **-\$5200-#5290**, line items higher due to health insurance participation
- ContServ-CO2 Tank Rental **-\$5336**, \$4,500 for fee increase
- ContServ-Software Access **-\$5368**, \$4,500 for Water system model (50% cost to WW)
- Supplies-CO2 **-\$5426**, \$4,800 PH buffering agent, higher usage and pricing
- Supplies-**#5438**, \$1,500 general trends suggests a higher budget
- Rep&Maint-**#5634**, \$2,500 for plant equipment beginning to age
- Equipment-Computers **-\$5700**, \$6,300 for computer and cell phones replacement
- Equipment-Operations **-\$5704**, \$6,000 for battery powered pallet jack
\$2,200 for generator
\$4,000 for backup flometer elec. control panel

What Were the Results of Actual FY20 Operating Expenses vs the FY20 Budget?

The Water Division's FY'20 projected actual operating expense results is projected to end up 3.8% above the target of its 2020 spending budget this year. Three major areas adding to \$54,000+ overspending were depreciation-\$15,000 (non-cash), Benefits-\$14,000 and the balance of \$65,000+ for unanticipated repairs of

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Mains and services. Staff deferred its planned hydrant flow testing for \$9000 because these other expenses were trending higher than budget.

Some of the major expense line items projected to exceed budget this year (FY20) include:

- Benefits-MSRS Pension **-#5210**, \$3,852 due to lower budget estimates
- Benefits-HealthIns **-#5225**, \$8,885 due to higher participation levels
- Benefits-Health R.A. **-#5290**, \$2,590 due to participation levels
- ContrServ-CO2 Tank Rental **-#5336**, \$3,181 due to fee increase
- Supplies-CO2 **-#5426**, \$8,568 is due to pricing/usage
- Supplies-Operatng **-#5438**, \$5,700 due to higher spending trend
- Repairs & Mt-Building **-#5602**, \$2,800
- Reprs of Mains **-#5628**, \$36,540 for line breaks/leaks
- Reprs & Mt-Plant Eqpt **-#5634**, \$7,255 for aging equipment
- Reprs of Services **-#5650**, \$18,873 for service line breaks, leaks
- Reprs of Vehicles **-#5658**, \$2,749 for vehicle higher repairs
- Depreciation **-#6012**, \$14,507 for the added Rte#3 mains

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.

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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 2019. 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.

Debt Service

As of June 30, 2020, total principal in obligated debt for the water users stands at \$4,836,977, or approximately 24% of all direct debt obligations of the Town. In the FY2021 budget, the debt service is projected to be at \$716,000 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%. The Town re-financed a 10 year old issue in April of this year and paid down \$40,000 of principal with most of the bond premium received.

Future Debt—the 5 year CIP spending plan shows \$1.4 million 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 5%. There are projects that were postponed when the entire 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 \$8,921,358 (72% from bonds) on capital improvements since the purchase of the company in 2001. In fiscal year 2019/20 the Water division spent or committed \$270,114 for necessary capital investments. The proposed FY'21 capital budget requests \$570,000 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 FY21 we anticipate drawing down available Fund Balance surplus to pay cash for the identified capital expenditures.

FY 2021 Capital Spending (CIP) Recap

Master Plan-	\$10,000	—Initial engineering evaluation-Eagle Lake outlet dam
Asset Mgt-	\$5,000	—Asset Mgt software conversion
Mains-	\$200,000	—Addition to Ferry Terminal Pump Station
Mains-	\$230,000	--Replacement for Hancock Street
Mains-	\$40,000	---Balance needed for Livingston Road
Hydrants-	\$10,000	---Annual hydrants replacement program
Services-	\$10,000	---Service renewals not related to main replacements
Trucks-	\$37,000	—Replace the 2012 truck

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Fiber Optics \$20,000---Purchase of fiber run to Duck Brook, low est.
Contingency \$8,000---Reserve for unanticipated CIP needs

\$570,000 **Total FY21 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 \$360,000 estimated requirement as of June 30, 2020. 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 capital spending and it is much healthier than in years past. The proposed budget projections show adding a positive net cash flow from FY2020 operations of \$96,622 (of which over half was sourced from refinancing a 10 year old bond) and there will be a drawdown of the cash reserves of \$362,922 in FY2021. In FY22, another drawdown of the higher reserves is anticipated for increased capital investment purposes.

Future FY2022 Budget

There is a preliminary discussion to recommend 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. In addition, the age of the water system requires more 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, a living document so to speak, 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 in December of 2019 by *Olver Associates* and was partially funded by a \$15,000 grant.

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 was completed in May of this year, and while priorities were recommended in the report, specific main improvements projects will require coordination with other department needs, such as Wastewater and

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Highway; and an inter-department project prioritization plan developed. This consolidated coordination allows funds from each department to be used wisely.

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 October ____,2020.

Water Budget Ordinance Amendment

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#2020-xx

An Ordinance Amendment to Adopt the Fiscal Year 2021 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 2020~~21~~ Water Budget, dated ~~July 16, 2019~~September 15, 2020, is hereby adopted as published and summarized below.

- (1) Cash. Net cash generated is estimated to be ~~\$38,632~~<362,922>.
- (2) Revenues.
 - (a) PUC regulated revenues are estimated to be ~~\$2,127,302~~2,099,804.
 - (b) Total water revenues are estimated to be ~~\$2,151,302~~2,124,804.
- (3) Expenses. The following appropriations are hereby approved:
 - (a) Nonoperating expenses: ~~\$<4,400>~~.
 - (b) Salaries and wages: ~~\$301,594~~316,461.
 - (c) Payroll benefits: ~~\$151,200~~166,350.
 - (d) Contractual services: ~~\$283,662~~295,283.
 - (e) Materials and supplies: ~~\$119,300~~123,700.
 - (f) Utilities and commodities: ~~\$64,100~~64,000.
 - (g) Repairs and maintenance: ~~\$156,400~~164,000.
 - (h) Equipment purchases: ~~\$7,400~~18,500.
 - (i) Other: insurance, travel, advertising and miscellaneous: ~~\$46,800~~47,500.
 - (j) Interest: ~~\$132,736~~123,460.
 - (k) Depreciation and amortization: ~~\$315,647~~324,687.
 - (l) Capital spending: ~~\$302,676~~570,000.

[end of ordinance]

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APY	BTY	ETY	RNY		RNY	RNY	RNY
Actual Last Yr. 6/30/2019 FY19 Actual	Budget This Yr 6/30/2020 FY20 Budget	Estimate This Yr 6/30/2020 FY20 Estimate	Request Next Yr 6/30/2021 FY21 Budget		\$ Change vs. Bgt.'20	% Change vs. Bgt.'20	% Change vs. Est.'20

<i>Net Income Statement -</i>	<i>SUMMARY PAGE</i>
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Volume: ('000's cubic feet)		37,409	34,000	34,368	33,500		-1.5%	-2.5%
Operating Revenues	\$ 2,235,434	\$ 2,127,302	\$ 2,201,801	\$ 2,099,804	\$ (27,498)		-1.3%	-4.6%
Operating Expenses:								
Payroll & Benefits	\$ 414,082	\$ 452,794	\$ 460,485	\$ 482,811	\$ 30,017		6.6%	4.8%
Contractual Services	\$ 263,468	\$ 283,662	\$ 270,980	\$ 295,283	\$ 11,621		4.1%	9.0%
Materials & Supplies	\$ 102,373	\$ 119,300	\$ 109,031	\$ 123,700	\$ 4,400		3.7%	13.5%
Utilities & Commodities	\$ 61,437	\$ 64,100	\$ 56,118	\$ 64,000	\$ (100)		-0.2%	14.0%
Repairs & Maintenance	\$ 152,284	\$ 156,400	\$ 221,547	\$ 164,000	\$ 7,600		4.9%	-26.0%
Minor Equipment Purchases	\$ 12,672	\$ 7,400	\$ 10,263	\$ 18,500	\$ 11,100		150.0%	80.3%
Other Miscellaneous Expenses	\$ 37,094	\$ 46,800	\$ 41,652	\$ 47,500	\$ 700		1.5%	14.0%
Depreciation & Amortization	\$ 318,863	\$ 305,847	\$ 320,354	\$ 314,887	\$ 9,040		3.0%	-1.7%
Utility Operating Expenses:	\$ 1,362,273	\$ 1,436,303	\$ 1,490,430	\$ 1,510,681	\$ 74,378		5.2%	1.4%
Net Utility Operating Income	\$ 873,161	\$ 690,999	\$ 711,371	\$ 589,123	\$ (101,876)		-14.7%	-17.2%
Interest Income	\$ 28,114	\$ 15,000	\$ 28,000	\$ 17,000	\$ 2,000			
Non-Utility Income, net of expense	\$ 26,087	\$ 3,600	\$ (6,900)	\$ 2,600	\$ (1,000)			
Bond Refinancing Proceeds	\$ -	\$ -	\$ 53,492	\$ -	\$ -			
Interest Costs	\$ 142,482	\$ 132,736	\$ 132,736	\$ 123,460	\$ (9,276)			
NET INCOME	\$ 784,880	\$ 576,863	\$ 653,227	\$ 485,263	\$ (91,600)		-15.9%	-25.7%
Conversion to Cash Basis:								
Add back: Deprciation & Acqtn. Adjtmnt.	\$ 294,552	\$ 305,847	\$ 320,354	\$ 314,887	\$ -			
Less: Principal Debt Retired	\$ (562,195)	\$ (582,078)	\$ (621,845)	\$ (593,072)	\$ -			
Cash Available for C.I.P.	\$ 517,237	\$ 300,632	\$ 351,736	\$ 207,078	\$ -			
Less: Capital Expenditures (From Internal Funds)	\$ (203,967)	\$ (262,000)	\$ (255,114)	\$ (570,000)	\$ -			
Net Cash Generation (Drawdown)	\$ 313,270	\$ 38,632	\$ 96,622	\$ (362,922)	\$ -			

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	APY	BTY	ETY	RNY			
	Actual Last Yr. 6/30/2019 FY19 Actual	Budget This Yr. 6/30/2020 FY20 Budget	Estimate This Yr. 6/30/2020 FY20 Estimate	Request Next Yr. 6/30/2021 FY21 Budget	RNY \$ Change vs. Bgt.'20	RNY % Change vs. Bgt.'20	RNY % Change vs. Est.'20

Revenues

4098	Revenues: Misc. Non Operational								
	4600 Bond Refinancing Proceeds	\$ -	\$ -	\$ 53,492	\$ -				
	4924 Jobbing Income	\$ 19,205	\$ 9,000	\$ 8,000	\$ 8,000	\$ (1,000)			
	4700 Investment Interest Income	\$ 28,114	\$ 15,000	\$ 28,000	\$ 17,000	\$ 2,000			
	4928 Nonutility Income- FA Sales	\$ 13,106	\$ -	\$ 4,500	\$ -	\$ -			
	4930 Nonutility Inc-CSO Grant	\$ -	\$ -	\$ -	\$ -	\$ -			
	Other Income Total	\$ 60,425	\$ 24,000	\$ 93,992	\$ 25,000	\$ 1,000	4%	-73.4%	
4098	PUC Regulated Revenues:								
	4704 Penalty Interest Income	\$ 2,844	\$ 1,700	\$ 2,414	\$ 2,200	\$ 500	29.4%	-8.9%	
	4900 Metered Residential Sales-Qtrly	\$ 450,038	\$ 434,000	\$ 446,831	\$ 432,000	\$ (2,000)	-0.5%	-3.3%	
	4901 Metered Residential Sales-Seas.	\$ 139,162	\$ 130,000	\$ 131,433	\$ 129,000	\$ (1,000)	-0.8%	-1.9%	
	4902 Metered Commercial Sales-Qtrly	\$ 361,248	\$ 357,000	\$ 359,972	\$ 341,000	\$ (16,000)	-4.5%	-5.3%	
	4903 Metered Commercial Sales-Seas.	\$ 259,763	\$ 245,000	\$ 272,608	\$ 234,000	\$ (11,500)	-4.5%	-14.2%	
	4904 Metered Indstrl Sales-Jax Lab-Qtrly	\$ 208,536	\$ 155,000	\$ 177,697	\$ 155,000	\$ (11,500)	0.0%	-12.8%	
	4905 Metered Indstrl Sales-Jax Lab-Seas.	\$ 5,977	\$ 5,000	\$ 3,035	\$ 3,000	\$ (2,000)	-40.0%	-1.2%	
	4906 Metered Sales Government-Qtrly	\$ 43,168	\$ 40,000	\$ 43,735	\$ 42,000	\$ 2,000	5.0%	-4.0%	
	4907 Metered Sales Government-Seas.	\$ 33,636	\$ 31,000	\$ 35,222	\$ 33,000	\$ 2,000	6.5%	-6.3%	
	4920 Public Fire Protection/Hydrant -	\$ 585,604	\$ 585,602	\$ 585,604	\$ 585,604	\$ 2	0.0%	0.0%	
	4922 Private Fire Protection	\$ 134,718	\$ 133,000	\$ 133,135	\$ 133,000	\$ -	0.0%	-0.1%	
	4938 Misc Water Fees	\$ 10,740	\$ 10,000	\$ 10,115	\$ 10,000	\$ -	0.0%	-1.1%	
	Subtotal-PUC Regulated Revenues	\$ 2,235,434	\$ 2,127,302	\$ 2,201,801	\$ 2,099,804	\$ (39,498)	-1.3%	-4.6%	
	Total Water Revenues	\$ 2,295,859	\$ 2,151,302	\$ 2,295,793	\$ 2,124,804	\$ (38,498)	-1.2%	-7.4%	

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	APY	BTY	ETY	RNY			
	Actual Last Yr.	Budget This Yr.	Estimate This Yr.	Request Next Yr.	RNY	RNY	RNY
	6/30/2019	6/30/2020	6/30/2020	6/30/2021	\$ Change	% Change	% Change
	FY19 Actual	FY20 Budget	FY20 Estimate	FY21 Budget	vs. Bgt.'20	vs. Bgt.'20	vs. Est.'20

<i>Expenses</i>

4098	49 - NON OPERATING EXPENSES:								
	6002 Amortization-Cont In Aid of Construction	\$ (9,803)	\$ (9,800)	\$ (9,844)	\$ (9,800)	\$ -			
	6016 Loss of Disposal of Assets	\$ -	\$ -	\$ 15,899	\$ -	\$ -			
	6018 L.T. Pension Liab Exp (PUC exp)	\$ -	\$ -	\$ -	\$ -	\$ -			
	6020 Jobbing Supplies & Expenses	\$ 16,027	\$ 5,400	\$ 3,501	\$ 5,400	\$ -			
	Total Non Operating Expenses:	\$ 6,224	\$ (4,400)	\$ 9,556	\$ (4,400)	\$ -		0.0%	-146.0%
4098-	51 - WAGES:								
	5100 Wages-Salaries	\$ 43,898	\$ 44,559	\$ 45,730	\$ 45,896	\$ 1,337		3.0%	0.4%
	5105 Wages-Hourly	\$ 197,447	\$ 208,917	\$ 209,003	\$ 221,423	\$ 12,506		6.0%	5.9%
	5110 Wages-Overtime	\$ 42,785	\$ 48,118	\$ 40,651	\$ 49,142	\$ 1,024		2.1%	20.9%
	5165 Wages-Reclass to CIP	\$ -	\$ -	\$ -	\$ -	\$ -			
	5175 Wages-Vacation Accruals	\$ -	\$ -	\$ -	\$ -	\$ -			
	Total Salaries & Wages-Operations:	\$ 284,130	\$ 301,594	\$ 295,384	\$ 316,461	\$ 14,867		4.9%	7.1%
4098-	52 - PAYROLL BENEFITS:								
	5160 Benefits-ICMA Wages	\$ 2,857	\$ 3,400	\$ 4,414	\$ 3,400	\$ -		0.0%	-23.0%
	5162 Benefits-Health Ins Wage Stipend	\$ -	\$ -	\$ -	\$ -	\$ -			
	5200 Benefits-FICA/Medicare	\$ 18,457	\$ 23,000	\$ 23,205	\$ 24,750	\$ 1,750		7.6%	6.7%
	5210 Benefits-MSRS Pension	\$ 17,503	\$ 21,000	\$ 24,852	\$ 24,500	\$ 3,500		16.7%	-1.4%
	5215 Benefits-Workers Compensation	\$ 5,891	\$ 7,200	\$ 5,528	\$ 7,500	\$ 300		4.2%	35.7%
	5220 Benefits-Unemployment Compensation	\$ 1,109	\$ 1,700	\$ 990	\$ 1,800	\$ 100		5.9%	81.8%
	5225 Benefits-Health Insurance	\$ 58,626	\$ 67,000	\$ 75,885	\$ 75,000	\$ 8,000		11.9%	-1.2%
	5230 Benefits-Health Ins - Opt Out Program	\$ 16,567	\$ 17,000	\$ 17,637	\$ 17,000	\$ -		0.0%	-3.6%
	5245 Benefits-Retirement Health Savings Plan	\$ 334	\$ 900	\$ -	\$ 900	\$ -		0.0%	#DIV/0!
	5290 Benefits-Health Reimb. Account	\$ 8,608	\$ 10,000	\$ 12,590	\$ 11,500	\$ 1,500		15.0%	-8.7%
	Total PAYROLL BENEFITS:	\$ 129,952	\$ 151,200	\$ 165,101	\$ 166,350	\$ 15,150		10.0%	0.8%

Town of Bar Harbor
FY 2021
Water Budget

	APY	BTY	ETY	RNY	RNY	RNY	RNY	
	Actual Last Yr.	Budget This Yr.	Estimate This Yr.	Request Next Yr.	\$ Change	% Change	% Change	
	6/30/2019	6/30/2020	6/30/2020	6/30/2021	vs. Bgt.'20	vs. Bgt.'20	vs. Est.'20	
	FY19 Actual	FY20 Budget	FY20 Estimate	FY21 Budget				
4098-	53 - CONTRACTUAL SERVICES:							
5304	Cont Srv-Auditing/Accounting	\$ 2,400	\$ 2,500	\$ 2,500	\$ 2,600	\$ 100	4%	4%
5306	Cont Srv-BH Town Mgt Services	\$ 81,612	\$ 81,774	\$ 81,774	\$ 83,183	\$ 1,409	2%	2%
5312	Cont Srv-Duckbrook Septic Pumping	\$ 1,408	\$ 2,000	\$ 1,638	\$ 2,000	\$ -	0%	22%
5314	Cont Srv-Copier/Postage Equipment	\$ 2,041	\$ 1,900	\$ 1,915	\$ 1,900	\$ -	0%	-1%
5315	Cont Srv-Courier Services- Wtr Samples	\$ 7,200	\$ 7,500	\$ 8,010	\$ 7,800	\$ 300	4%	-3%
5326	Cont Srv-Engineering & Surveying	\$ 2,080	\$ 6,838	\$ 4,271	\$ 7,000	\$ 162	2%	64%
5332	Cont Srv-Generator Maintenance	\$ 1,463	\$ 1,000	\$ 647	\$ 1,100	\$ 100	10%	70%
5334	Cont Srv-Gen Prof. Fees	\$ 2,375	\$ 1,600	\$ 2,095	\$ 1,600	\$ -	0%	-24%
5336	Cont Srv-Water Treatmnt C02 Tank	\$ 16,528	\$ 14,000	\$ 17,188	\$ 18,500	\$ 4,500	32%	8%
5340	Cont Srv-Legal Fees	\$ -	\$ 1,000	\$ -	\$ 1,000	\$ -	0%	#DIV/0!
5348	Cont Srv-Mowing	\$ 1,690	\$ 1,450	\$ 932	\$ 1,500	\$ 50	3%	61%
5360	Cont Srv-Printing of Reports	\$ -	\$ 700	\$ -	\$ 700	\$ -	0%	#DIV/0!
5362	Cont Srv-Hydrant Flow Testing	\$ -	\$ 9,000	\$ -	\$ 9,000	\$ -		
5364	Cont Srv-Lease 1/3 PWrks Bldg	\$ 79,000	\$ 79,200	\$ 79,023	\$ 79,200	\$ -	0%	0%
5368	Cont Srv-Comp Lic & Suppt	\$ 15,380	\$ 17,500	\$ 17,681	\$ 22,000	\$ 4,500	0%	24%
5372	Cont Srv-Standpipe/Intake Clean/Inspect's	\$ 16,332	\$ 17,000	\$ 18,480	\$ 17,500	\$ 500	0%	-5%
5374	Cont Srv-Tank Paint Maint. Amort. (PUC exp)	\$ 27,000	\$ 27,000	\$ 27,000	\$ 27,000	\$ -	26%	0%
5378	Cont Srv-Test/Maint. of Equipment	\$ 422	\$ 2,700	\$ 479	\$ 2,700	\$ -	0%	464%
5384	Cont Srv-Testing Water Samples	\$ 6,537	\$ 9,000	\$ 7,347	\$ 9,000	\$ -	0%	22%
	Total CONTRACTUAL SERVICES	\$ 263,468	\$ 283,662	\$ 270,980	\$ 295,283	\$ 11,621	4%	9.0%
4098	54 - MATERIALS & SUPPLIES:							
5410	Supplies-Clothing, Uniforms, Boots	\$ 3,943	\$ 4,000	\$ 3,858	\$ 4,200	\$ 200	5%	9%
5412	Supplies-Copier & Computers	\$ 2,262	\$ 1,900	\$ 642	\$ 1,900	\$ -	0%	196%
5418	Supplies-Forms, Checks & Misc	\$ 491	\$ 1,000	\$ 512	\$ 1,000	\$ -	0%	95%
5423	Supplies-Ammonia	\$ 3,707	\$ 5,600	\$ 3,220	\$ 5,600	\$ -	0%	74%
5424	Supplies-Sod. Hypochlorite	\$ 24,143	\$ 34,800	\$ 19,650	\$ 33,000	\$ (1,800)	-5%	68%
5425	Supplies-Flouride	\$ 6,625	\$ 8,000	\$ 4,365	\$ 8,000	\$ -	0%	83%
5426	Supplies-CO2	\$ 20,107	\$ 18,200	\$ 26,768	\$ 23,000	\$ 4,800	26%	-14%
5427	Supplies-Lime	\$ 7,813	\$ 11,000	\$ 7,689	\$ 10,000	\$ (1,000)	-9%	30%
5428	Supplies-Water Treatment	\$ 12,262	\$ 13,000	\$ 16,133	\$ 13,500	\$ 500	4%	-16%
5436	Supplies-Office	\$ 1,671	\$ 2,400	\$ 1,395	\$ 2,300	\$ (100)	-4%	65%
5438	Supplies-Operating	\$ 10,765	\$ 12,000	\$ 17,700	\$ 13,500	\$ 1,500	13%	-24%
5444	Supplies-Safety Supplies	\$ 1,389	\$ 2,800	\$ 991	\$ 2,600	\$ (200)	-7%	162%
5458	Supplies-Vehicle	\$ 7,195	\$ 4,600	\$ 6,108	\$ 5,100	\$ 500	11%	-17%
	Total MATERIAL & SUPPLIES:	\$ 102,373	\$ 119,300	\$ 109,031	\$ 123,700	\$ 4,400	4%	13%

Town of Bar Harbor
FY 2021
Water Budget

		APY	BTY	ETY	RNY	RNY	RNY	RNY
		Actual Last Yr.	Budget This Yr	Estimate This Yr	Request Next Yr	\$ Change	% Change	% Change
		6/30/2019	6/30/2020	6/30/2020	6/30/2021	vs. Bgt.'20	vs. Bgt.'20	vs. Est.'20
		FY19 Actual	FY20 Budget	FY20 Estimate	FY21 Budget			
4098	55 - UTILITIES & COMMODITIES:							
5504	Utility-Electricity	\$ 35,847	\$ 34,000	\$ 31,295	\$ 34,900	\$ 900	3%	12%
5506	Utility-Electricity Pumping	\$ 2,255	\$ 3,100	\$ 1,865	\$ 3,000	\$ (100)	-3%	61%
5514	Utility-Motor Fuel-Diesel	\$ 96	\$ 1,500	\$ 33	\$ 500	\$ (1,000)	-67%	1415%
5516	Utility-Motor Fuel-Gasoline	\$ 12,892	\$ 12,000	\$ 9,943	\$ 11,500	\$ (500)	-4%	16%
5520	Utility-Propane	\$ 5,960	\$ 8,500	\$ 6,496	\$ 8,500	\$ -	0%	31%
5528	Utility-Telephone & Cellular	\$ 4,018	\$ 4,400	\$ 6,262	\$ 5,000	\$ 600	14%	-20%
5530	Utility-Water	\$ 369	\$ 600	\$ 224	\$ 600	\$ -	0%	168%
	Total UTILITIES & COMMODITIES	\$ 61,437	\$ 64,100	\$ 56,118	\$ 64,000	\$ (100)	0%	14%
4098	56 -REPAIRS & MAINTENANCE							
5602	Rep & Mt-Buildings	\$ 925	\$ 2,000	\$ 4,758	\$ 2,400	\$ 400	20%	-50%
5618	Rep & Mt-Equipment, Gen'l	\$ 1,622	\$ 2,500	\$ 1,983	\$ 2,500	\$ -	0%	26%
5626	Rep & Mt-Hydrants	\$ 11,193	\$ 7,500	\$ 7,456	\$ 7,500	\$ -	0%	1%
5628	Rep & Mt-Mains	\$ 29,390	\$ 42,000	\$ 78,540	\$ 43,200	\$ 1,200	3%	-45%
5630	Rep & Mt-Meters	\$ 70,406	\$ 63,000	\$ 63,296	\$ 64,000	\$ 1,000	2%	1%
5634	Rep & Mt-Plant & Wtr Treatmnt Equipmnt	\$ 10,225	\$ 12,000	\$ 19,225	\$ 14,500	\$ 2,500	21%	-25%
5642	Rep & Mt-Pumping Equipment	\$ 211	\$ 3,600	\$ 855	\$ 3,600	\$ -	0%	321%
5650	Rep & Mt-Services	\$ 18,669	\$ 18,000	\$ 36,873	\$ 19,500	\$ 1,500	8%	-47%
5652	Rep & Mt-Standpipes	\$ 663	\$ 800	\$ 812	\$ 800	\$ -	0%	-1%
5658	Rep & Mt-Vehicles	\$ 8,980	\$ 5,000	\$ 7,749	\$ 6,000	\$ 1,000	20%	-23%
	Total REPAIRS & MAINTENANCE	\$ 152,284	\$ 156,400	\$ 221,547	\$ 164,000	\$ 7,600	5%	-26%
4098	57 -EQUIPMENT PURCHASES							
5700	Equip Purch-Computers & Printers	\$ 6,455	\$ 1,600	\$ 2,541	\$ 6,300	\$ 4,700	294%	148%
5702	Equip Purch-Office Furniture	\$ 875	\$ -	\$ -	\$ -	\$ -		
5704	Equip Purch-Operating Equipment	\$ 5,342	\$ 5,800	\$ 7,722	\$ 12,200	\$ 6,400	110%	58%
	Total EQUIPMENT PURCHASES	\$ 12,672	\$ 7,400	\$ 10,263	\$ 18,500	\$ 11,100	150%	80%

Town of Bar Harbor
FY 2021
Water Budget

		APY	BTY	ETY	RNY	RNY	RNY	RNY
		Actual Last Yr.	Budget This Yr	Estimate This Yr	Request Next Yr	\$ Change	% Change	% Change
		6/30/2019	6/30/2020	6/30/2020	6/30/2021	vs. Bgt.'20	vs. Bgt.'20	vs. Est.'20
		FY19 Actual	FY20 Budget	FY20 Estimate	FY21 Budget			
4098	58 - OTHER-INS, TRVL, ADV, MISC:							
	5800 Advertising	\$ 1,181	\$ 2,500	\$ 1,114	\$ 2,400	\$ (100)	-4%	115%
	5802 Uncollectible Customer Accts	\$ -	\$ 900	\$ -	\$ 500	\$ (400)	-44%	#DIV/0!
	5808 Dues-Licenses & Other	\$ 4,378	\$ 4,300	\$ 4,435	\$ 4,500	\$ 200	5%	1%
	5822 Insurance-General & Pub Off. Liab.	\$ 5,186	\$ 5,397	\$ 5,397	\$ 5,400	\$ 3	0%	0%
	5824 Insurance-Property & Casualty	\$ 6,158	\$ 6,006	\$ 6,006	\$ 6,250	\$ 244	4%	4%
	5826 Insurance-Vehicle Coll./Liab.	\$ 5,167	\$ 5,060	\$ 5,060	\$ 5,250	\$ 190	4%	4%
	5832 Permits & Fees	\$ 177	\$ 600	\$ 817	\$ 600	\$ -		-27%
	5836 Postage & Shipping Costs	\$ 1,295	\$ 2,600	\$ 3,551	\$ 3,200	\$ 600	23%	-10%
	5840 Regulatory Assessments	\$ 10,800	\$ 11,000	\$ 13,148	\$ 11,000	\$ -	0%	-16%
	5844 Training, Workshops, Etc.	\$ 2,546	\$ 2,500	\$ 1,530	\$ 2,500	\$ -	0%	63%
	5846 Travel, Rooms, Miles & Meals	\$ 206	\$ 2,437	\$ 594	\$ 2,400	\$ (37)	-2%	304%
	6008 Rate Case Amortization	\$ -	\$ 3,500	\$ -	\$ 3,500	\$ -	0%	#DIV/0!
	Total OTHER-INS, TRAVL, ADV, MISC	\$ 37,094	\$ 46,800	\$ 41,652	\$ 47,500	\$ 700	1%	14%
4098	59 - UNCLASSIFIED							
	5910 Debt Service-Interest	\$ 142,482	\$ 132,736	\$ 131,340	\$ 123,460	\$ (9,276)		
	Total DEBT SERVICE-INTEREST	\$ 142,482	\$ 132,736	\$ 131,340	\$ 123,460	\$ (9,276)	-7%	-6%
4098	60 - DEPRECIATION & AMORT.:							
	6000 Amortization-Acquisition Adjustment	\$ 70,124	\$ 70,124	\$ 70,124	\$ 70,124	\$ -		
	6006 Amortization-Debt Expenses	\$ 723	\$ 723	\$ 723	\$ 723	\$ -		
	6012 Depreciation-	\$ 238,213	\$ 235,000	\$ 249,507	\$ 244,000	\$ 9,000		
	6014 Depreciation-Cont In Aid of Construction	\$ 9,803	\$ 9,800	\$ 9,844	\$ 9,840	\$ 40		
	Total DEPRECIATION & AMORTIZATION EXPS:	\$ 318,863	\$ 315,647	\$ 330,198	\$ 324,687	\$ 9,040	3%	-2%

Town of Bar Harbor
FY 2021
Water Budget

	APY	BTY	ETY	RYN			
	Actual Last Yr.	Budget This Yr.	Estimate This Yr.	Request Next Yr.	RYN	RYN	RYN
	6/30/2019	6/30/2020	6/30/2020	6/30/2021	\$ Change	% Change	% Change
	FY19 Actual	FY20 Budget	FY20 Estimate	FY21 Budget	vs. Bgt.'20	vs. Bgt.'20	vs. Est.'20
Capital Expenditures							
4098-	CAPITAL SPENDING						
6900	Update Master Plan	\$ 19,426	\$ 15,000	\$ 17,765	\$ -		
6900	Master Plan-Evaluate Eagle L Outlet Dam	\$ -	\$ -	\$ -	\$ 10,000		
6908	Citizen Self Service/Asset Mgt software	\$ 4,310	\$ 5,000	\$ -	\$ 5,000		
6912	New CO2 Flow Meter	\$ 5,413	\$ -	\$ -	\$ -		
6914	Regrade Lab Tank Driveway	\$ -	\$ 12,000	\$ -	\$ -		
6916	Demo Dreamwood Hill Tank	\$ 3,896	\$ -	\$ 8,500	\$ -		
6912	Fiber Optic purchase	\$ -	\$ -	\$ -	\$ 20,000		
6916	Pumphouse-Paving lot	\$ 4,370	\$ -	\$ 3,400	\$ -		
6918	Hydrants Replacements	\$ -	\$ 5,000	\$ 23,949	\$ 10,000		
6918	Main Replacements-Ash Place	\$ -	\$ -	\$ 7,381	\$ -		
6922	Mains- Route #3 /FY21-Hancock St	\$ 308,227	\$ -	\$ -	\$ 230,000		
6922	Main - Livingston Rd	\$ -	\$ -	\$ -	\$ 40,000		
6922	Main Replacements-Devon/Ash	\$ 3,225	\$ 198,000	\$ 152,974	\$ -		
6922	Main - Ferry Term to Booster Sta	\$ -	\$ -	\$ -	\$ 200,000		
6928	Service Replacements	\$ 731	\$ 5,000	\$ 16,652	\$ 10,000		
6928	Service Replacements - Rte#3	\$ -	\$ -	\$ -	\$ -		
6932	Vehicles-Pick up truck	\$ 3,221	\$ 37,000	\$ 39,493	\$ 37,000		
6950	CIP Reserve-	\$ -	\$ -	\$ -	\$ 8,000		
	Totals-Gross Capital Spending	\$ 352,819	\$ 277,000	\$ 270,114	\$ 570,000	106%	111%
	Less: CIAC-Serv	\$ (4,904)	\$ -	\$ -	\$ -		
	Less: CSO Grant	\$ -	\$ (15,000)	\$ (15,000)	\$ -		
	Less: Rte#3 bond monies	\$ (143,948)	\$ -	\$ -	\$ -		
	Net Capital Spending (internal funds)	\$ 203,967	\$ 262,000	\$ 255,114	\$ 570,000	118%	123%

Town of Bar Harbor
FY 2021
Water Budget

List of Positions - Authorized Wages

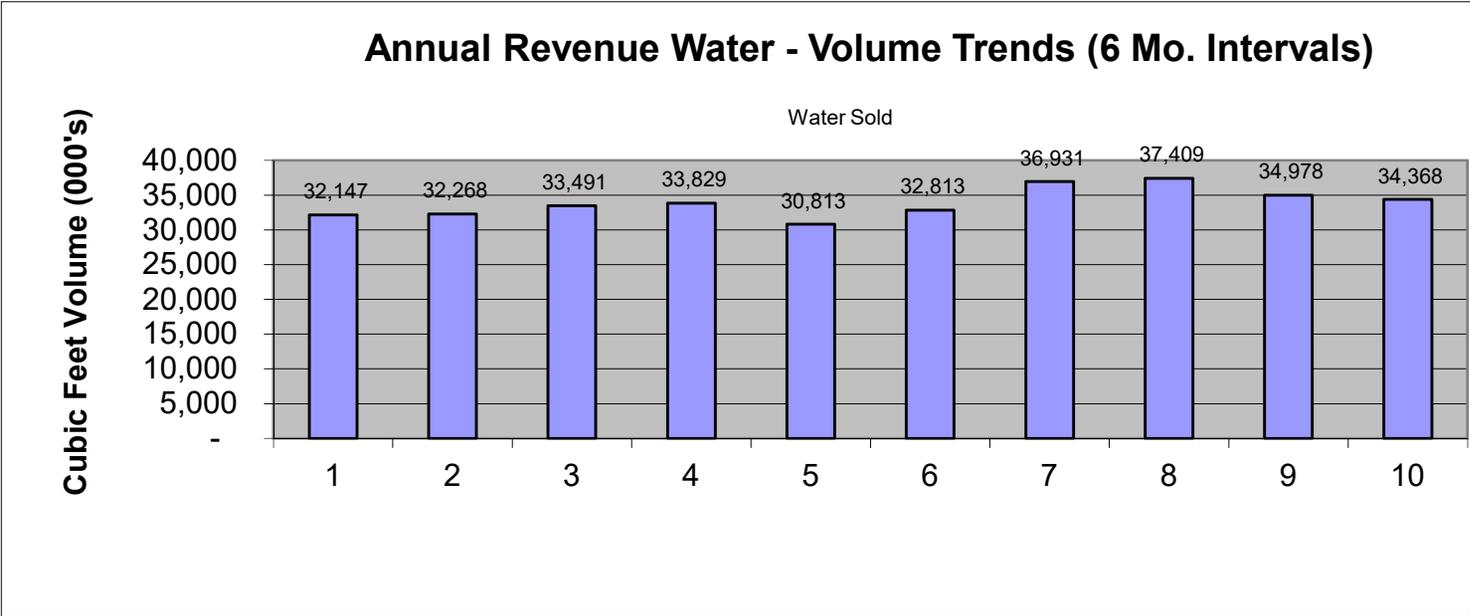
A/c #	-base pay-	Present Rate @ 6-30-20	June '20 Base Wage	Proposed 3.0% Rate or Hours 2080	FY20 Proposed Base Wages 3.0%	Proposed FY21 Budget
5100	Superintendent -Salary- Van Trump <i>Less 1/2 charged to Wastewater</i>	\$ 89,118	\$ 89,118		\$ 91,792 \$ (45,896)	\$ 91,792 \$ (45,896)
	Foreman/Lic.Oper.-AL	\$ 22.33	\$ 46,446	\$ 23.00	\$ 47,840	\$ 47,840
	Office Manager-NW	\$ 23.02	\$ 47,882	\$ 23.71	\$ 49,318	\$ 49,318
	Water Maint/Eqpt Worker-BL	\$ 20.11	\$ 41,829	\$ 20.71	\$ 43,084	\$ 43,084
	Water Maint. Worker-MA	\$ 17.24	\$ 35,859	\$ 17.76	\$ 36,935	\$ 36,935
	Water Maint. Worker-JA	\$ 17.74	\$ 36,899	\$ 18.27	\$ 38,006	\$ 38,006
	Water New Position FY21 - cut			\$ -		\$ -
	Wage Adjustments (for licenses)			\$ 3.00	\$ 6,240	\$ 6,240
				\$ -		
5105	Total wages-hourly		\$ 208,915		\$ 221,423	\$ 221,423
	Scheduled Overtime-Avg. OT rate (3)	\$ 32.73	\$ 27,231	832	\$ 27,776	\$ 27,776 <i>(16 hrs/wk)</i>
	Unscheduled Overtime-Avg. OT rate (3)	\$ 32.73	\$ 19,965	640	\$ 21,366	\$ 21,366
5110	Total wages-overtime		\$ 47,196		\$ 49,142	\$ 49,142
	Totals - Salaries & Wages		\$ 345,229		\$ 316,461	\$ 316,461
	Actual Unscheduled Overtime Hours - CY 2019			471		
	Actual Unscheduled Overtime Hours - CY 2018			857		
	Actual Unscheduled Overtime Hours - CY 2017			826		
	Actual Unscheduled Overtime Hours - CY 2016			726	720	

Town of Bar Harbor
2021 Water Budget

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

6 Month Increments

	Dec-15 PUC Yr 1	Jun-16 FY 2	Dec-16 PUC Yr 3	Jun-17 FY 4	Dec-17 PUC Yr 5	Jun-18 FY 6	Dec-18 PUC Yr 7	Jun-19 FY 8	Dec-19 PUC Yr 9	Jun-20 FY 10
Billed Consumption	32,147	32,268	33,491	33,829	30,813	32,813	36,931	37,409	34,978	34,368
6 Month % Changes		0%	4%	1%	-9%	6.5%	12.5%	1%	-6%	-2%
YTD - 4 & 4.5 year % change								9%	7%	
<i>2.7% average increase in annual consumption</i>										
% Billed vs. Produced	70%		68%		67%		75%		72%	
Production Water	46,267		49,628		45,918		48,853		48,745	
YTD 4 Year % change								5.3%		



FY 2021 Water Budget

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 Five Year Spending
			FY21	FY22	FY23	FY24	FY25	
			Funding/Spending	Funding/Spending	Funding/Spending	Funding/Spending	Funding/Spending	
Vehicles								
6932	94 Backhoe/Loader	1994						-
6932	GMC Sierra-pickup-2500	2012	37,000					37,000
6932	GMC Sierra Util Pickup-2500	2015			50,000			50,000
6932	GMC Sierra Supt Pickup-2500	2020						-
6932	GMC Sierra Pickup-2500	2019				37,000		37,000
6900	Master Plan-Eagle L Outlet Dam Evaluatn	Bond-Yr 2	10,000	-	300,000	100,000	100,000	510,000
6914	Regrade Jax Lab Tank Driveway							-
6916	Standpipe Coating-1936 Steel Tank				-	-	-	-
6916	Replace Mt Ave Pump Station	New Bond	-			400,000		400,000
Equipment								
6908	Citizen's Self Serve/Asset Mgt software		5,000					5,000
	Fiber Optic Connection		20,000	-	30,000			50,000
6906	LeRoi Portable Air Compressor	1996				25,000		25,000
6912	Purchase CO2 Tank		-	40,000				40,000
Mains (Rep = replacement)								
6922	Ferry Terminal main to Booster Stat	Bond-Yr 2	200,000	550,000				750,000
6922	Rep Atlantic Ave - 6" CI -1927- 510	Work Cap					-	-
6922	Rep Des Isle Ave - 2" galv -1937 - 495	New Bond					-	-
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						-
6922	Rep Derby Lane - 430'	New Bond						-
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'	New Bond						-
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 Ash St.	Work Cap			157,000	100,000	195,000	452,000
	<i>Mains - subtotal</i>		<i>470,000</i>	<i>1,220,000</i>	<i>157,000</i>	<i>100,000</i>	<i>195,000</i>	<i>1,392,000</i>
6918	Hydrants-		10,000	-	10,000	10,000	20,000	50,000
6928	Services -		10,000	-	10,000	10,000	20,000	50,000
6950	CIP Reserve-Unallocated		8,000	-	23,000	13,000	15,000	59,000
Totals			570,000	1,260,000	580,000	695,000	350,000	3,455,000

Funded From:	Operations/Fund Balance	570,000	260,000	580,000	295,000	350,000	2,055,000
	New Bonds-/Other Grnts	-	1,000,000	-	400,000	-	1,400,000
		570,000	1,260,000	580,000	695,000	350,000	3,455,000

2019 Annual Drinking Water Quality Report

Town of Bar Harbor Water Division

Bar Harbor, Maine
PWSID ME0090120

We're 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 Jeff Van Trump 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, 2019.

In 2017, due to efforts to protect the water supply, our system was granted a partial 'Synthetic Organics Waiver.' This is a three-year exemption from the monitoring/reporting requirements for the following industrial chemical(s): toxaphene/chlordane/PCB and semivolatile 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 2019

TEST RESULTS					
Unless otherwise noted, testing was done in 2019.					
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+	4.08	ntu	n/a	5	Soil runoff.
+ = Highest monthly reading in 2019					
Inorganic Contaminants					
Barium (3/12/19)	0.0018	ppm	2	2	Discharge of drilling wastes. Discharge from metal refineries. Erosion of natural deposits.
Copper* (1/1/17-12/31/19)	0.075	ppm	1.3	AL=1.3	Corrosion of household plumbing systems.
Fluoride (7/9/19)	0.75	ppm	4	4	Erosion of natural deposits. Water additive that promotes strong teeth. Discharge from fertilizer and aluminum factories.
Lead* (1/1/17-12/31/19)	10	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 (2019) [Total Haloacetic Acids]	LRAA = 27 (24-29)	ppb	0	60	By-product of drinking water chlorination.
TTHM (2019) [Total Trihalomethanes]	LRAA = 35 (33-38)	ppb	0	80	By-product of drinking water chlorination.
Disinfection By-Products – Paradis True Value					
HAA5 (2019) [Total Haloacetic Acids]	LRAA = 24 (22-25)	ppb	0	60	By-product of drinking water chlorination.
TTHM (2019) [Total Trihalomethanes]	LRAA = 34 (30-35)	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 **1.48 ppm**, with a range of 1.13 ppm to 2.11 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, 2019

Water Division

<u>Largest Water Customers</u>	<u>Type of Use</u>	<u>CY2019 Revenues</u>	<u>% of Total</u>
Town of Bar Harbor	Parks, Bldgs, Schools & Hydrants	\$647,413	29.5%
Jackson Laboratory	Genetic Research & Mice Prod	235,170	10.7%
Witham Family LTD Part	Hotels (7)	127,989	5.8%
College of the Atlantic	College	30,035	1.3%
Golden Anchor, LC	Hotel	21,695	1.0%
Lafayette Bar Harbor, LLC	Hotel	20,983	1.0%
Kebo Valley Club	Golf Course	20,695	1.0%
Mount Desert Island Hospital	Hospital	19,344	0.9%
Bar Harbor Housing Authority	Low Income/Elderly Housing	15,807	0.7%
Eden Street Trust	Hotel	13,924	<u>0.6%</u>
			50.5%

<u>Number of Water System Customers</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>
Residential	1,250	1,248	1,253	1,263	1,262
Commercial	515	516	516	517	520
Industrial (Jax Lab)	47	47	43	42	42
Governmental	56	57	60	59	59
Total	1868	1868	1,872	1,881	1,883

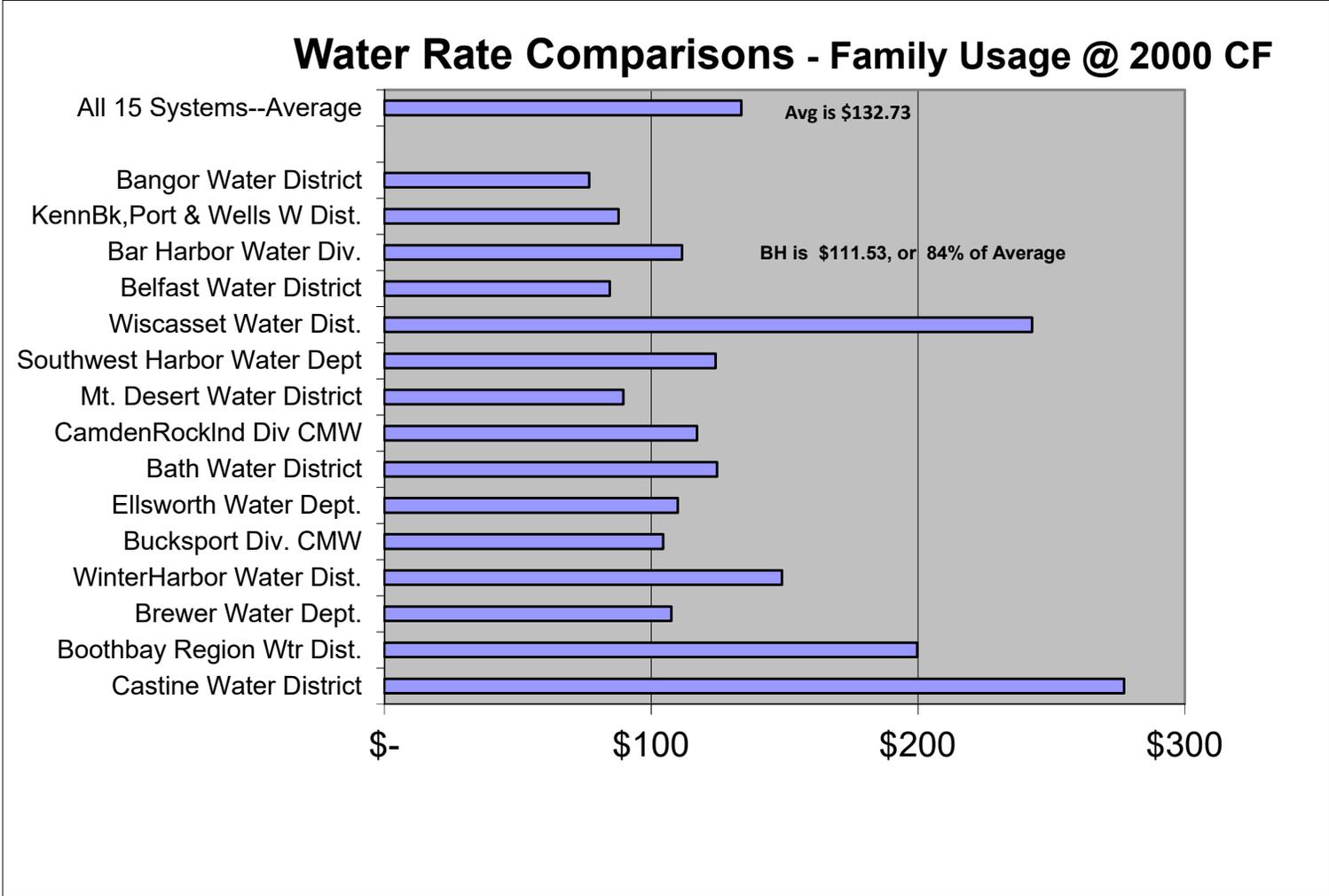
<u>Water Sales (per 1,000 gallons)</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>
Residential	55,761	58,242	55,574	66,745	55,633
Commercial	111,619	121,831	107,157	128,798	114,587
Industrial (Jax Lab)	60,628	57,027	54,702	65,155	73,590
Public Authorities	12,450	13,419	13,050	15,548	17,821
Total Water Sales	240,458	250,519	230,483	276,246	261,631

<u>Water Sales (Revenue)</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>
Residential	\$469,232	\$565,386	\$553,026	\$593,948	\$572,003
Commercial	500,570	656,301	609,028	640,968	613,263
Industrial (Jax Lab)	139,336	156,378	159,184	164,825	209,097
Public Authorities	59,099	71,267	72,899	72,587	77,502
Public Fire Protection	480,468	585,604	585,604	585,604	585,604
Private Fire Protection	109,711	126,445	129,278	131,376	134,208
Total Water Sales	\$1,758,416	\$2,161,381	\$2,109,019	\$2,189,308	\$2,191,677

Town of Bar Harbor
FY 2021
Water Budget

Calculation of Estimated Rate Increase	Base- Budget	Adjustments	Pro-Forma
Total Operating Expenses:			
Payroll & Benefits	\$ 482,811		\$ 482,811
Contractual Services	\$ 295,283		\$ 295,283
Materials & Supplies	\$ 123,700		\$ 123,700
Utilities & Commodities	\$ 64,000		\$ 64,000
Repairs & Maintenance	\$ 164,000		\$ 164,000
Minor Equipment Purchases	\$ 18,500		\$ 18,500
Other Miscellaneous Expenses	\$ 47,500		\$ 47,500
subtotal-cash expenses			\$ 1,195,794
Depreciation & Amortization	\$ 314,887	\$ (70,124)	\$ 244,763
Utility Operating Expenses:	\$ 1,510,681	\$ (70,124)	\$ 1,440,557
Debt Service: Interest	\$ 123,460		\$ 123,460
Principal	\$ 593,072	\$ -	\$ 593,072
Total Base Expenses for Rates	\$ 2,227,213	\$ (70,124)	\$ 2,157,089
Contingency Allowance: 5%		5%	\$ 107,854
Total Gross Revenue Required:			\$ 2,264,943
Revenues @ current rates:			\$ 2,119,404
Estimated Increase in Annual Revenues Required:			\$ 145,539
Estimated % Increase of rates required			6.9%

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



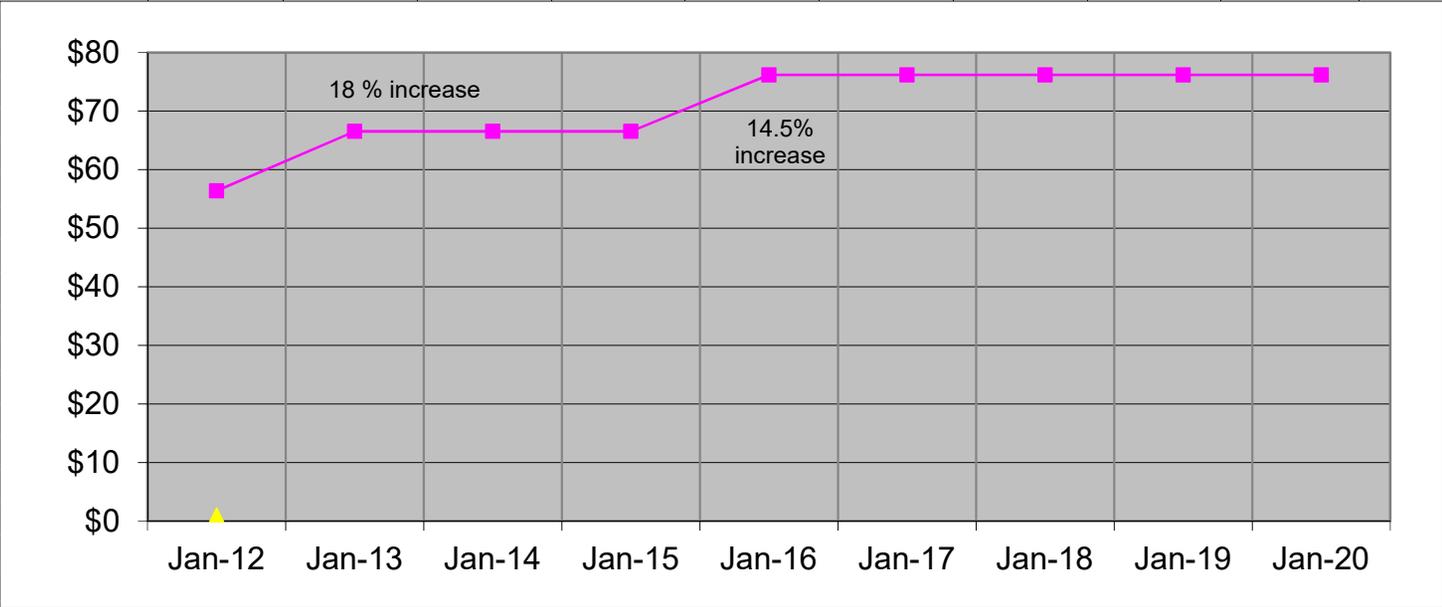
Water Rate Comparisons

(USDA std)

<i>Utility Name</i>	<i>Qtr Minimum 1200 CuFt</i>	<i>Qtr - Family 2000 CuFt</i>	<i>Rates Effective</i>	
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	Supported partially by taxes
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	
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 Bar Harbor
2021 Water Budget

		History of Quarterly Minimum Water Charges							
Rate Increases by Town (on residential users)		18%			14.5%				
Effective Dates	1/1/12	1/1/13	1/1/14	1/1/15	1/1/16	1/1/17	1/1/18	1/1/19	1/1/20
		<i>Duckbrook Plant</i>			<i>Rte #3 project</i>				
Water Minimum Charge	\$ 56.39	\$ 66.55	\$ 66.55	\$ 66.55	\$ 76.17	\$ 76.17	\$ 76.17	\$ 76.17	\$ 76.17
Minimum Allowance	1200	1200	1200	1200	1200	1200	1200	1200	1200
<i>an average of 1.8% increase per year over the last eight years</i>									



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

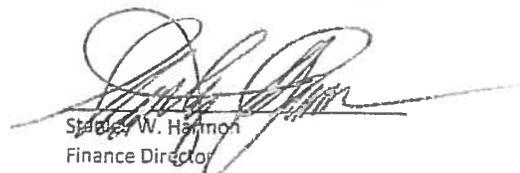
SIZE OF METER	Quarterly		Monthly	
	Allowance	Charge	Allowance	Charge
5/8"	1,200	76.17	400	25.39
3/4"	1,800	102.69	600	34.23
1"	3,000	155.73	1,000	51.91
1-1/2"	6,000	288.33	2,000	96.11
2"	9,600	447.45	3,200	149.15
3"	18,000	677.72	6,000	225.91
4"	30,000	926.13	10,000	308.71
6"	60,000	1,547.13	20,000	515.71

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


 Stephen W. Hammon
 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

<u>SIZE OF METER</u>	<u>Seasonal</u>	
	<u>Allowance</u>	<u>Charge</u>
5/8"	1,600	201.63
3/4"	2,400	272.66
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. Harrison
Finance Director
Town of Bar Harbor Water Division

TOWN OF BAR HARBOR WATER DIVISION
BAR HARBOR, MAINE 04609

SHEET # 4
SIXTH Revision

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.

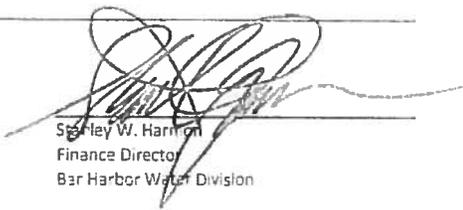
\$ 170

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 - 00317



Stanley W. Harrison
Finance Director
Bar Harbor Water Division

Debt Service

A Responsibility of the Finance Department

Bond Issue B

UNDERGROUND WATER TANK PURCHASE

#40-2760

Original Principal = \$750,000 Lender: Maine Bond Bank/State Revolving Fund - DHS
 Issued February 15, 2002 Paying agent fee: None
 Effective Interest Rate = 2.67% Cannot be refinanced.
 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.

FY	Date	Effective Intrest.Rate	Principal Payment	Interest Payment	Payment Total	Water Fund FY Total
21	10/1/20	2.67%	45,953.33	3,329.40	49,282.73	
	4/1/21	2.67%		522.68	522.68	49,805.41
22	10/1/21	2.67%	47,184.05	2,881.88	50,065.93	50,065.93
Totals			93,137.38	6,733.96	99,871.34	99,871.34

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
21	11/1/20	5.00%	0.00	7,626.27	7,626.27		
	5/1/21	5.00%	25,813.95	6,505.83	32,319.78	39,946.05	21
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%		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			260,232.53	72,736.90	332,969.43	332,969.43	10

Summary of Bond Issue F:

CIP Fund Share	1,604,767	86.0%
Water Fund Share	260,233	14.0%
Grand Total	\$1,865,000	100.0%

~~ Debt Service Continued on Next Page ~~

Debt Service

A Responsibility of the Finance Department

Bond Issue H

WATER SYSTEM IMPROVEMENTS: 2011

#40-2768

Original Principal:	Lender:	Morgan Stanley & Co
1,224,000 Approved by Voters June 2011 for Duck Brook Pump Station Upgrade and Watermain Replacement		
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
21	12/01/20	2.50%	306,642.00	19,827.57	326,469.57	
	06/01/21			15,994.54	15,994.54	342,464.11
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			1,333,048.00	186,772.31	1,519,820.31	1,519,820.31

~~ Debt Service Continued on Next Page ~~

Debt Service

A Responsibility of the Finance Department

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>
21	10/01/20	129,663.00	15,883.61	145,546.61	
	04/01/21	0.00	8,719.73	8,719.73	154,266.34
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		1,790,559.00	214,352.23	2,004,911.23	2,004,911.23

~~ Debt Service Continued on Next Page ~~

FY21 Budget

Debt Service

A Responsibility of the Finance Department

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>	
21	10/15/20	85,000.00	23,162.50	108,162.50		3.0%
	04/15/21		21,887.50	21,887.50	130,050.00	
22	10/15/21	85,000.00	21,887.50	106,887.50		3.0%
	04/15/22		20,612.50	20,612.50	127,500.00	
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	
		1,360,000.00	352,537.50	1,712,537.50	1,712,537.50	

Summary of Bond Issue L:

CIP Fund Share 320,000
Water Fund Share 1,360,000

Grand Total 1,680,000