
FY17 Water Fund Budget

As Introduced

By The

Finance Director &

Public Works Director

June 21, 2016

Town of Bar Harbor

FY 2017 Water Budget

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Memo

To: Town Councilors; Cornell Knight, Town Manager

From: Stan Harmon, Finance Director

CC: Chip Reeves, Public Works Director; Jeff Van Trump, Superintendent

Date: 5/18/16

Re: Water Budget Message – FY2017 Water Budget

Summary

This FY2017 budget for the Bar Harbor Water Division specifically recommends the following changes from the FY2016 budget:

- **No rate increase**
- **Gross capital expenditures projected at \$248,300, but no bonding**
- **An 8% budgeted increase of operating revenues**
- **A 1.4% budgeted increase of operating expenses**

You will find attached the proposed budget for FY'17. Revenues are projected to increase by approximately 8% from the FY2016 budget due to the assumption of recognizing the second half of the 1/1/16 rate increase reflected in this year's budget. Total operating expenses over the 2016 budget are scheduled to increase by 1.4%, due primarily to increased non-cash depreciation expenses from prior capital investment upgrades. In maintaining a consistent FY2017 policy (no new borrowing) with the General Fund, Capital spending is requested at \$248,300; covered entirely by internally generated funds. The fiscal year just ending (FY16) projects a positive cash flow of approximately \$269,236, primarily from the sale of the Edgewood St. land in August of 2015 and by deferral of a main replacement project.

Statistical Infrastructure & Operational Data of the Water Division

There are 1781 metered customers, of which 70%, or 1249 accounts, are classified as Residential. 25% of these total metered customers as well as 25% of the related volume are seasonal customers, but all customers receive their bills quarterly. There are 86 customers related to non-metered sprinkler and private hydrant fire protection.

Investment in plant and infrastructure totals \$9.7 million, up from \$3.1 million when the Town purchased the Water Company in 2001. The water *mains* in its service areas total 29.6 miles with distribution pipe sized from 1" to 12". Since 2001 the Division has invested in 7.2 miles of new mains while retiring 5.2 miles. The \$2.9 million *pumphouse upgrade* completed in 2013 brought the system into full regulatory compliance. Design capacity is approximately 2400 gallons per minute. 346 million gallons are sent through the trans-

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mission mains annually with about 11% unaccounted for; down from 30% ten years ago. *Employees* at the Water Division numbered 6 in 2001 and stand at 5.5 in this budget. Management/Accounting administrative fees charged by the Town to the Water Division have remained relatively stable since 2001. The 2015 annual filing with the *Public Utilities Commission* provides additional detail operating data and is located on the Town's website.

Current Water Rates & Average Customer Bill

- A minimum quarterly bill currently under this budget allowing 1200 cubic feet through a 5/8" meter was adjusted to \$76.17 per quarter on January 1, 2016. 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 \$46.80 (for a minimum-allowing 600 cuft usage) and \$156.00 (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 page 26 for other water utility rate comparisons.

Volume

This budget assumes a 0% change in volume from the FY 16 budget but a .8% decrease from the current FY 16 actual volume. The trend seems to be stabilizing from the previous downtrends since the 2008 recession started; with the primary volume fluctuations due to the Jackson Lab usage. Page 17 shows the trends of total water sales since 2011 in six month rolling averages.

Revenues

The 2017 budget assumes a 8.0% gross revenue increase. This estimate is due to the projected second half implementation of the increase in rates that became effective on 1/1/2016.

Operating Expenditures

The proposed FY2017 water budget reflects a 1.4% overall increase in operating expenses over the FY '16 budget year and a 0.4% increase over this past year's estimated final expenses. Payroll and benefits are anticipated to reflect a 2% increase above last year's budget. The budgeted COLA wage increase is 1% with an added 1% bump for the increase health insurance costs employees will pay starting in July—from 17.5% to 20% of the premium costs. There is an increase of \$17,000 in depreciation costs that is mostly offset by reductions in all the other cost centers.

Major line item increases of \$1500 or more in projected cash expenses anticipated in FY2017 above last year's budget are as follows:

- Hourly Wages -#5105, \$5,310 due to the projected 2% wage increase

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- Benefits-Health Ins.-#5225, \$2,000 for increase costs of health insurance premiums
- ContServ-Town Mgt Services-#5306, \$2,145 for added allocated costs of General Fund
- Supplies-Clothing, Boots-#5410, \$1,500 by eliminating uniform cleaning rental costs (#5388)
- Rep.& Maint.-Mains-#5628, \$2,000 for higher repair costs; more main breaks
- Rep & Maint.-Services-#5650, \$1,500 for higher repair costs; more service breaks

What Were the Results of Actual FY16 Operating Expenses vs the FY16 Budget?

The Water Division's FY'16 projected actual operating expense results will end up 1% above the 2016 spending budget this year, or \$13,000+/- . The primary reason for this is due to higher depreciation costs (non-cash expenses) from the original budget estimates due to all the new equipment added at Duck Brook Pumphouse.

Some of the major expense line items that were over budget this past year (FY16) include:

- No cash expenditure line items are projected to be overspent of any significance
- Depreciation-#6012, \$16,000 for new depreciation for the Duckbrook facility & equipment

9 Edgewood St. Land

In August of 2015, the Edgewood St. garage was sold to a private buyer and the final sale amount accepted by the Town Council with a net gain being approximately \$138,000. The net cash proceeds of the sale were used to strengthen the Water Division's working capital position. This property is now on the tax rolls for 2016.

Public Fire Protection (Hydrant Revenues)

During the Municipal Budget's hearings this past winter, there were comments and concerns from some Warrant Committee members as to the reasoning, the amount and eventual use of the \$585,602 in funds paid by taxpayers for the purpose of transferring those funds to the Water Division. It was stated 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 on page 22 & 23, which are included in the complete rate case filing that is located on the Town's website.

Public Fire Protection History - Essentially, the State recognized the need for all Water Companies, Districts and Divisions to construct and maintain water main infrastructure to allow adequate fire protection utilizing 6" hydrants with proper flow for fighting fires. Based upon supporting statutes, PUC staff devised a standard allocation formula in 1987 that had been accepted for over 100 years, with a not to exceed cap, so as to provide a consistent funding mechanism to allow charges to a local municipality what is deemed a proper amount to support the maintenance of storage tanks and capital replacements costs for all Water entities to supply public fire protection. 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 \$585,602. This maximum charge of \$585,602 to the Town's taxpayers is shown as an expense in the Town Budget and shown as proposed revenue in this Water budget. These funds

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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 recently 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. The most important municipal service infrastructure is generally within or close to the Town center (fire & police station, Town offices, schools, etc.), which, if not protected by fire hydrants then the entire Town (all taxpayers) would need to pay for replacement of these Town owned buildings. Ensuring a certain percentage of taxpayer revenues funding the utility helps protect the critical infrastructure needing fire protection.

Cost of Service Study

The *cost of service study* (COS) completed four years ago to explore the equitable allocation of rates (minimums, seasonal, fire protection, etc.) by our consultant, *La Capra Associates*, had separate Town Council hearings in the fall of 2012. This study had specifically explored the appropriate levels of the rate steps and the minimums (volume and dollars) for year round and seasonal customers. The study was requested in 2001 by the PUC staff and later by the Town Council. Results from this comprehensive document enabled the Town Council to direct staff to explore developing the most equitable rate structure, based upon that study, and suggest an implementation period.

Further work was halted when *La Capra Associates* ran some test rates and data to analyze the transition issues (such as phased vs. one jump implementation, final costs, minimum customer charges, etc.) to anticipate issues that were likely to transpire in the process. The consultants emphasized to staff that expensive litigation will likely result from a full one-time implementation rather than their recommended phased-in implementation of the rates due to certain classes of customers being hit harder from the original cost of service study. The end goal seemed to be fair, based upon that study, but the transition was anticipated to be painful for some of the classes of ratepayers.

A related issue is that the Maine Legislature instituted certain *de-regulation* rules for consumer owned water utilities (such as Bar Harbor) and we are waiting for the first utilities to fully explore that regulatory process prior to moving ahead with any implementation of this COS study or other changes that could be made easier by the de-regulation process.

Debt Service

As of June 30, 2016, total principal in obligated debt for the water users stands at \$6,737,507, or approximately 36% of all direct debt obligations of the Town. The \$1.7 million borrowed at Town Meeting last year is still on hand and will be paid to the State Contractor for the Rte #3 project as the project progresses further along. In the FY2017 budget, the debt service is projected to be at \$729,000 or approximately 35% 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 4%.

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Future Debt—the 5 year CIP spending plan shows another \$1,600,000 in monies that needs to be borrowed for replacement of aging mains starting in year Four. These are projects postponed when the entire Consolidated Capital Plan was deferred to avoid new bonding for a certain period. The total estimated new annual debt service added at 4% interest towards the end of the next 5 years would likely require a 6% rate increase.

Capital Outlay

The Town has invested \$6,509,312 (71% from bonds) on capital improvements since the purchase of the company in 2001. In fiscal year 2016 the Water division spent or committed \$1,775,500 for necessary capital investments. The proposed FY'17 capital budget requests \$248,300 and is funded either by operating cash flow or from prior working capital fund balance. The Water Division now raises well over \$130,000 per year available from its own cash flow for capital equipment and small project costs.

FY 2017 Capital Spending (CIP) Recap

Mains-	\$73,250 —Replace main on Ash Place (unfinished from FY16)
	\$52,250 —Replace part of main on Atlantic Ave
Hydrants-	\$10,000 --Annual hydrants replacement program
Services-	\$10,000 --Normal service renewals related to main replacements
Vehicles-	\$ 5,500 —Add snowplow unit
CIP Reserve-	\$ 5,000 —Unallocated CIP reserve
Equipment-	\$ 5,300 —Turbidity Meter
	\$25,000 —Preventative Maintenance Software
	\$30,000 ---Pipe Fusion machine
Buildings-	\$18,000 —Added A/C unit in the UV room-pumphouse
	\$15,000 —Refinish/Paint walls-pumphouse

Working Capital/Cash Flow

A conservative method for measuring a healthy working capital formula for a utility that bills in advance is to use 3 months or 25% of annual cash expenses, including the annual debt service. This target calculates to a \$448,000 estimated requirement as of June 30, 2016. Since FY2010 the Division is now building up its own cash reserve. The cash balance at the end of this year is anticipated to stand at \$250,000—still short of the goal, but much healthier than in years past. The proposed budget projects a positive net cash flow of \$37,511 in FY2017.

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 July____,2016.

Water Budget Ordinance Amendment

Town of Bar Harbor

#2016-

An Ordinance Amendment to Adopt the Fiscal Year 2017 Water Budget and update the Water rates effective January 1, 2016 as approved by the PUC.

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.

Article III

Water Budget, Rates, Fees and Charges

§ 201-11 Water budget.

- A. Budget ~~introduced~~ adopted. The fiscal year 2016~~7~~ Water Budget, dated June 21, 2016 ~~June 16, 2015~~, is hereby ~~introduced~~ adopted as published and summarized below.
- (1) Cash. Net cash generated is estimated to be \$~~127,043~~ 37,511.
 - (2) Revenues.
 - (a) PUC regulated revenues are estimated to be \$~~1,919,305~~ 2,073,402.
 - (b) Total water revenues are estimated to be \$~~1,930,105~~ 2,084,202.
 - (3) Expenses. The following appropriations are hereby approved:
 - (a) Nonoperating expenses: \$4,600.
 - (b) Salaries and wages: \$~~291,225~~ 297,674.
 - (c) Payroll benefits: \$~~141,700~~ 143,900.
 - (d) Contractual services: \$~~254,766~~ 256,667.
 - (e) Materials and supplies: \$~~107,400~~ 111,500.
 - (f) Utilities and commodities: \$~~62,100~~ 59,400.
 - (g) Repairs and maintenance: \$~~140,800~~ 145,300.
 - (h) Equipment purchases: \$~~21,600~~ 7,150.
 - (i) Other: insurance, travel, advertising and miscellaneous: \$~~43,200~~ 42,984.

- (j) Interest: ~~\$119,736~~ 167,021.
- (k) Depreciation and amortization: ~~\$284,883~~ 301,883.
- (l) Capital spending: ~~\$1,848,750~~ 248,300.

§ 201-12 **Water rates.**

A. Rates adopted. Effective with the approval of the Maine Public Utilities Commission (PUC), the following rates are hereby established, unless otherwise approved by the PUC:

B. Quarterly and monthly rates for water to metered annual consumers:

(1) Quarterly rate:

- (a) For the first 1,200 cubic feet per quarter: ~~\$56.43~~ 76.17 per quarter.
- (b) For the next 10,800 cubic feet per quarter: ~~\$3.28~~ 4.42 per 100 cubic feet.
- (c) For the next 78,000 cubic feet per quarter: ~~\$1.53~~ 2.07 per 100 cubic feet.
- (d) For all in excess of 90,000 cubic feet per quarter: ~~\$1.01~~ 1.35 per 100 cubic feet.

(2) Monthly rate:

- (a) For the first 400 cubic feet per month: ~~\$18.81~~ 25.39 per month.
- (b) For the next 3,600 cubic feet per month: ~~\$3.28~~ 4.42 per 100 cubic feet.
- (c) For the next 26,000 cubic feet per month: ~~\$1.53~~ 2.07 per 100 cubic feet.
- (d) For all in excess of 30,000 cubic feet per month: ~~\$1.01~~ 1.35 per 100 cubic feet.

(3) Minimum charges:

Water Allowance

(cubic feet)

Minimum Charge

Meter Size

(inches)	Quarterly	Monthly	Quarterly	Monthly
5/8	1,200	400	\$56.43 <u>76.17</u>	\$18.81 <u>25.39</u>
3/4	1,800	600	\$76.09 <u>102.69</u>	\$25.36 <u>34.23</u>
1	3,000	1,000	\$115.41 <u>155.73</u>	\$38.47 <u>51.91</u>
1 1/2	6,000	2,000	\$213.72 <u>288.33</u>	\$71.24 <u>96.11</u>
2	9,600	3,200	\$331.69 <u>447.45</u>	\$110.56 <u>149.15</u>
3	18,000	6,000	\$501.90 <u>677.72</u>	\$167.30 <u>225.91</u>

Water Allowance

(cubic feet)

Minimum Charge

Meter Size

(inches)	Quarterly	Monthly	Quarterly	Monthly
4	30,000	10,000	\$685.03 <u>926.13</u>	\$228.34 <u>308.71</u>
6	60,000	20,000	\$1,142.85 <u>1,547.13</u>	\$380.95 <u>515.71</u>

(4) Seasonal rates for metered seasonal consumers:

(a) Seasonal rate:

[1] For the first 1,600 cubic feet per season: ~~\$149.35~~ 201.63 per season.

[2] For the next 10,400 cubic feet per season: ~~\$6.58~~ 8.87 per 100 cubic feet.

[3] For the next 78,000 cubic feet per season: ~~\$3.06~~ 4.13 per 100 cubic feet.

[4] For the next 300,000 cubic feet per season: ~~\$1.53~~ 2.07 per 100 cubic feet.

[5] For all in excess of 390,000 cubic feet per season: ~~\$1.17~~ 1.58 per 100 cubic feet.

(b) Minimum charges:

Meter Size	Water Allowance	Minimum Charge
(inches)	(cubic feet)	
5/8	1,600	\$149.35 <u>201.63</u>
3/4	2,400	\$201.97 <u>272.66</u>
1	4,000	\$307.21 <u>414.73</u>
1 1/2	8,000	\$570.31 <u>769.92</u>
2	12,800	\$857.92 <u>1,158.19</u>
3	24,000	\$1,201.09 <u>1,621.47</u>
4	40,000	\$1,691.32 <u>2,283.28</u>
6	80,000	\$2,916.91 <u>3,937.81</u>

(5) Private fire protection:

(a) Availability. This rate is available to customers using the Town water service for private fire protection. The following rates apply to fire protection only and include no allowance for water for other than for fire-fighting purposes.

(b) Rates.

- [1] Each private hydrant furnished, installed and maintained by the user for private protection shall be charged for per year: ~~\$1,009~~ 1,362.
 - [2] Private fire service rate for automatic sprinklers, standpipes or hose connections to be used only for fire protection inside buildings: a charge per inch of service pipe diameter of ~~\$126.12~~ 170. per year.
- (6) Public fire protection:
- (a) Availability. This rate is available to the Town of Bar Harbor for municipal fire protection.

(b) Rates.

- [1] For the existing 105 hydrants installed as of January 1, ~~2009~~16, a total annual amount of ~~\$410,492~~ 585,602.
- [2] Rates for hydrants installed after the effective date of the PUC order shall be determined in accordance with Chapter 690 of the Public Utilities Commission's Rules and Regulations.

[end of ordinance]

LEGISLATIVE HISTORY:

01-01-2016 Rates adopted by PUC
06-21-2016 Recommended by Treasurer & Town Manager
06-21-2016 Introduced by Council
07-19-2016 Public Hearing
Council Adopted
Sent for Codification

Town of Bar Harbor
FY2017
Water Budget

APY	BTY	ETY	RNY	RNY	RNY	RNY
Actual Last Yr. 6/30/2015 FY15 Actual	Budget This Yr 6/30/2016 FY16 Budget	Estimate This Yr 6/30/2016 FY16 Estimate	Request Next Yr 6/30/2017 FY17 Budget	\$ Change vs. Bgt.'16	% Change vs. Bgt.'16	% Change vs. Est.'16

<i>Net Income Statement -</i>	<i>SUMMARY PAGE</i>
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Volume:	('000's cubic feet)	31,200	32,000	32,268	32,000	0.0%	-0.8%
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Operating Revenues	\$	1,795,274	\$	1,919,305	\$	1,841,725	\$	2,073,402	\$	154,097	8.0%	12.6%
Operating Expenses:												
Payroll & Benefits	\$	448,175	\$	432,925	\$	433,053	\$	441,574	\$	8,649	2.0%	2.0%
Contractual Services	\$	236,443	\$	254,766	\$	255,273	\$	256,667	\$	1,901	0.7%	0.5%
Materials & Supplies	\$	95,585	\$	107,400	\$	110,015	\$	111,500	\$	4,100	3.8%	1.3%
Utilities & Commodities	\$	58,849	\$	62,100	\$	56,600	\$	59,400	\$	(2,700)	-4.3%	4.9%
Repairs & Maintenance	\$	161,613	\$	140,800	\$	142,700	\$	145,300	\$	4,500	3.2%	1.8%
Minor Equipment Purchases	\$	22,508	\$	21,600	\$	22,460	\$	7,150	\$	(14,450)	-66.9%	-68.2%
Other Miscellaneous Expenses	\$	36,138	\$	43,200	\$	40,117	\$	42,984	\$	(216)	-0.5%	7.1%
Depreciation & Amortization	\$	291,746	\$	284,883	\$	300,883	\$	301,883	\$	17,000	6.0%	0.3%
Utility Operating Expenses:	\$	1,351,057	\$	1,347,674	\$	1,361,101	\$	1,366,458	\$	18,784	1.4%	0.4%
Net Utility Operating Income	\$	444,217	\$	571,631	\$	480,624	\$	706,944	\$	135,313	23.7%	47.1%
Interest Income	\$	1,678	\$	800	\$	8,000	\$	800	\$	-		
Non-Utility Income, net of expense	\$	188,783	\$	5,400	\$	142,150	\$	5,400	\$	-		
Interest Costs	\$	126,938	\$	119,736	\$	119,736	\$	167,021	\$	47,285		
NET INCOME	\$	507,740	\$	458,095	\$	511,038	\$	546,123	\$	88,028	19.2%	6.9%

Conversion to Cash Basis:

Add back: Deprciation & Acqtn. Adjtmnt.	\$	291,746	\$	284,883	\$	300,883	\$	301,883
Less: Principal Debt Retired	\$	(450,084)	\$	(467,185)	\$	(467,185)	\$	(562,195)
Cash Available for C.I.P.	\$	349,402	\$	275,793	\$	344,736	\$	285,811
Less: Capital Expenditures (From Internal Funds)	\$	(138,792)	\$	(148,750)	\$	(75,500)	\$	(248,300)
Net Cash Generation (Drawdown)	\$	210,610	\$	127,043	\$	269,236	\$	37,511

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Water Budget

	APY	BTY	ETY	RNY	RNY	RNY	RNY
	Actual Last Yr.	Budget This Yr.	Estimate This Yr.	Request Next Yr.	\$ Change	% Change	% Change
	6/30/2015	6/30/2016	6/30/2016	6/30/2017	vs. Bgt.'16	vs. Bgt.'16	vs. Est.'16
	FY15 Actual	FY16 Budget	FY16 Estimate	FY17 Budget			

Revenues

4098	Revenues: Misc. Non Operational								
4924	Jobbing Income	\$ 12,113	\$ 10,000	\$ 9,000	\$ 10,000	\$ -			
4700	Investment Interest Income	\$ 1,678	\$ 800	\$ 8,000	\$ 800	\$ -			
4928	Nonutility Income- FA Sales	\$ 172,883	\$ -	\$ 137,750	\$ -	\$ -			
	Other Income Total	\$ 186,674	\$ 10,800	\$ 154,750	\$ 10,800	\$ -	0%	-93.0%	
4098	PUC Regulated Revenues:								
4704	Penalty Interest Income	\$ 2,704	\$ 1,700	\$ 1,700	\$ 1,700	\$ -	0.0%	0.0%	
4900	Metered Residential Sales-Qtrly	\$ 378,566	\$ 419,000	\$ 396,844	\$ 427,000	\$ 8,000	1.9%	7.6%	
4901	Metered Residential Sales-Seas.	\$ 104,201	\$ 108,000	\$ 64,609	\$ 121,000		12.0%	87.3%	
4902	Metered Commercial Sales-Qtrly	\$ 288,115	\$ 304,000	\$ 309,528	\$ 326,000	\$ 22,000	7.2%	5.3%	
4903	Metered Commercial Sales-Seas.	\$ 235,675	\$ 234,000	\$ 204,741	\$ 268,000		14.5%	30.9%	
4904	Metered Indstrl Sales-Jax Lab-Qtrly	\$ 132,360	\$ 144,000	\$ 136,822	\$ 150,000	\$ 6,000	4.2%	9.6%	
4905	Metered Indstrl Sales-Jax Lab-Seas.	\$ 2,433	\$ 2,200	\$ 2,124	\$ 3,000		36.4%	41.2%	
4906	Metered Sales Government-Qtrly	\$ 30,796	\$ 34,500	\$ 34,038	\$ 34,000	\$ (500)	-1.4%	-0.1%	
4907	Metered Sales Government-Seas.	\$ 21,155	\$ 25,500	\$ 24,263	\$ 25,000		-2.0%	3.0%	
4920	Public Fire Protection/Hydrant - 27%	\$ 480,468	\$ 523,510	\$ 533,036	\$ 585,602	\$ 62,092	11.9%	9.9%	
4922	Private Fire Protection	\$ 110,009	\$ 114,895	\$ 126,020	\$ 123,000	\$ 8,105	7.1%	-2.4%	
4938	Misc Water Fees	\$ 8,792	\$ 8,000	\$ 8,000	\$ 9,100	\$ 1,100	13.8%	13.8%	
	Subtotal-PUC Regulated Revenues	\$ 1,795,274	\$ 1,919,305	\$ 1,841,725	\$ 2,073,402	\$ 106,797	8.0%	12.6%	
	Total Water Revenues	\$ 1,981,948	\$ 1,930,105	\$ 1,996,475	\$ 2,084,202	\$ 106,797	8.0%	4.4%	

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Water Budget

	APY	BTY	ETY	RNY			
	Actual Last Yr. 6/30/2015 FY15 Actual	Budget This Yr. 6/30/2016 FY16 Budget	Estimate This Yr. 6/30/2016 FY16 Estimate	Request Next Yr. 6/30/2017 FY17 Budget	RNY \$ Change vs. Bgt.'16	RNY % Change vs. Bgt.'16	RNY % Change vs. Est.'16

Expenses

4098	49 - NON OPERATING EXPENSES:								
	6002 Amortization-Cont In Aid of Construction	\$ (5,054)	\$ (10,000)	\$ (10,000)	\$ (10,000)	\$ -			
	6016 Loss of Disposal of Assets	\$ -	\$ -	\$ -	\$ -	\$ -			
	6018 Misc Nonutil. Rent Exps	\$ -	\$ -	\$ -	\$ -	\$ -			
	6020 Jobbing Supplies & Expenses	\$ 8,841	\$ 5,400	\$ 5,400	\$ 5,400	\$ -			
	Total Non Operating Expenses:	\$ 3,787	\$ (4,600)	\$ (4,600)	\$ (4,600)	\$ -	0.0%	0.0%	
4098-	51 - WAGES:								
	5100 Wages-Salaries	\$ 50,832	\$ 41,080	\$ 41,080	\$ 41,902	\$ 822	2.0%	2.0%	
	5105 Wages-Hourly	\$ 209,473	\$ 213,958	\$ 213,958	\$ 219,289	\$ 5,331	2.5%	2.5%	
	5110 Wages-Overtime	\$ 52,272	\$ 40,515	\$ 40,515	\$ 40,484	\$ (31)	-0.1%	-0.1%	
	5165 Wages-Reclass to CIP	\$ (5,529)	\$ (4,328)	\$ (3,000)	\$ (4,000)	\$ 328	-7.6%	33.3%	
	Total Salaries & Wages-Operations:	\$ 307,048	\$ 291,225	\$ 292,553	\$ 297,674	\$ 6,449	2.2%	1.8%	
4098-	52 - PAYROLL BENEFITS:								
	5160 Benefits-ICMA Wages	\$ 3,163	\$ 3,200	\$ 3,200	\$ 3,300	\$ 100	3.1%	3.1%	
	5162 Benefits-Health Ins Wage Stipend	\$ -	\$ -	\$ -	\$ -	\$ -			
	5200 Benefits-FICA/Medicare	\$ 23,297	\$ 21,500	\$ 21,100	\$ 21,500	\$ -	0.0%	1.9%	
	5210 Benefits-MSRS & Water Pension	\$ 17,162	\$ 18,500	\$ 18,200	\$ 19,000	\$ 500	2.7%	4.4%	
	5215 Benefits-Workers Compensation	\$ 5,504	\$ 7,200	\$ 6,000	\$ 6,400	\$ (800)	-11.1%	6.7%	
	5220 Benefits-Unemployment Compensation	\$ 1,692	\$ 1,700	\$ 1,700	\$ 1,700	\$ -	0.0%	0.0%	
	5225 Benefits-Health Insurance	\$ 79,478	\$ 79,000	\$ 79,500	\$ 81,000	\$ 2,000	2.5%	1.9%	
	5230 Benefits-Health Ins - Opt Out Program	\$ 11,464	\$ 10,700	\$ 10,700	\$ 11,000	\$ 300	2.8%	2.8%	
	5245 Benefits-Retirement Health Savings Plan	\$ 748	\$ 900	\$ 900	\$ 900	\$ -	0.0%	0.0%	
	5270 Benefits-Transf. to Capital Projects	\$ (1,381)	\$ (1,000)	\$ (800)	\$ (900)	\$ 100	-10.0%	12.5%	
	Total PAYROLL BENEFITS:	\$ 141,127	\$ 141,700	\$ 140,500	\$ 143,900	\$ 2,200	1.6%	2.4%	

Town of Bar Harbor
FY 2017
Water Budget

	APY	BTY	ETY	RNY	RNY	RNY	RNY	
	Actual Last Yr.	Budget This Yr.	Estimate This Yr.	Request Next Yr.	\$ Change	% Change	% Change	
	6/30/2015	6/30/2016	6/30/2016	6/30/2017	vs. Bgt.'16	vs. Bgt.'16	vs. Est.'16	
	FY15 Actual	FY16 Budget	FY16 Estimate	FY17 Budget				
4098-	53 - CONTRACTUAL SERVICES:							
5304	Cont Srv-Auditing/Accounting	\$ 1,950	\$ 2,000	\$ 2,000	\$ 2,100	\$ 100	5%	5%
5306	Cont Srv-BH Town Mgt Services	\$ 80,622	\$ 76,976	\$ 76,976	\$ 79,121	\$ 2,145	3%	3%
5308	Cont Srv-Billing Processing	\$ 824	\$ 1,100	\$ 1,100	\$ 1,100	\$ -	0%	0%
5312	Cont Srv-Duckbrook Septic Pumping	\$ 1,752	\$ 2,000	\$ 2,000	\$ 2,000	\$ -	0%	0%
5314	Cont Srv-Copier Equipment	\$ 509	\$ 520	\$ 676	\$ 676	\$ 156	30%	0%
5315	Cont Srv-Courier Services- Wtr Samples	\$ 5,760	\$ 7,300	\$ 7,300	\$ 7,300	\$ -	0%	0%
5326	Cont Srv-Engineering & Surveying	\$ 698	\$ 3,500	\$ 3,500	\$ 3,500	\$ -	0%	0%
5332	Cont Srv-Generator Maintenance	\$ 650	\$ 640	\$ 640	\$ 640	\$ -	0%	0%
5334	Cont Srv-Gen Prof. Fees	\$ 3,914	\$ 1,500	\$ 1,500	\$ 1,500	\$ -	0%	0%
5336	Cont Srv-Water Treatmnt C02 Tank	\$ 9,874	\$ 9,000	\$ 9,000	\$ 9,600	\$ 600	7%	7%
5340	Cont Srv-Legal Fees	\$ 908	\$ 1,000	\$ 1,000	\$ 1,000	\$ -	0%	0%
5348	Cont Srv-Duckbrook Mowing	\$ 1,065	\$ 1,000	\$ 1,000	\$ 1,000	\$ -	0%	0%
5360	Cont Srv-Printing of Reports	\$ 376	\$ 700	\$ 700	\$ 700	\$ -	0%	0%
5364	Cont Srv-Lease 1/3 PWrks Bldg	\$ 53,925	\$ 78,980	\$ 78,980	\$ 78,980	\$ -	0%	0%
5368	Cont Srv-Comp Lic & Suppt	\$ 18,049	\$ 14,500	\$ 14,800	\$ 14,600	\$ 100	0%	-1%
5372	Cont Srv-Standpipe/Intake Clean/Inspect's	\$ 15,464	\$ 15,200	\$ 15,200	\$ 15,500	\$ 300	0%	2%
5374	Cont Srv-Tank Paint Maint. Amort.	\$ 27,000	\$ 27,000	\$ 27,000	\$ 27,000	\$ -	1%	0%
5376	Cont Srv-Temporary Help	\$ -	\$ -	\$ -	\$ -	\$ -	2%	#DIV/0!
5378	Cont Srv-Test/Maint. of Equipment	\$ 1,405	\$ 1,250	\$ 1,301	\$ 1,350	\$ 100	0%	4%
5384	Cont Srv-Testing Water Samples	\$ 10,137	\$ 9,000	\$ 9,000	\$ 9,000	\$ -	0%	0%
5388	Cont Srv-Uniform Cleaning/Rental	\$ 1,561	\$ 1,600	\$ 1,600	\$ -	\$ (1,600)	-100%	-100%
	Total CONTRACTUAL SERVICES	\$ 236,443	\$ 254,766	\$ 255,273	\$ 256,667	\$ 1,901	1%	0.5%
4098	54 - MATERIALS & SUPPLIES:							
5410	Supplies-Clothing, Uniforms, Boots	\$ 3,098	\$ 2,300	\$ 2,300	\$ 3,800	\$ 1,500	65%	65%
5412	Supplies-Copier & Computers	\$ 1,106	\$ 700	\$ 1,915	\$ 1,300	\$ 600	86%	-32%
5418	Supplies-Forms, Checks & Misc	\$ 307	\$ 1,000	\$ 1,000	\$ 1,000	\$ -	0%	0%
5423	Supplies-Ammonia	\$ 3,565	\$ 4,100	\$ 4,100	\$ 4,100	\$ -	0%	0%
5424	Supplies-Sod. Hypochlorite	\$ 23,265	\$ 36,000	\$ 36,000	\$ 36,000	\$ -	0%	0%
5425	Supplies-Flouride	\$ 4,108	\$ 7,500	\$ 7,500	\$ 7,500	\$ -	0%	0%
5426	Supplies-CO2	\$ 17,455	\$ 14,000	\$ 14,000	\$ 15,000	\$ 1,000	7%	7%
5427	Supplies-Lime	\$ 12,485	\$ 12,000	\$ 12,200	\$ 12,400	\$ 400	3%	2%
5428	Supplies-Water Treatment	\$ 13,614	\$ 12,000	\$ 12,000	\$ 12,000	\$ -	0%	0%
5436	Supplies-Office	\$ 2,497	\$ 2,400	\$ 2,400	\$ 2,400	\$ -	0%	0%
5438	Supplies-Operating	\$ 8,205	\$ 8,600	\$ 9,800	\$ 9,200	\$ 600	7%	-6%
5444	Supplies-Safety Supplies	\$ 1,214	\$ 2,800	\$ 2,800	\$ 2,800	\$ -	0%	0%
5458	Supplies-Vehicle	\$ 4,666	\$ 4,000	\$ 4,000	\$ 4,000	\$ -	0%	0%
	Total MATERIAL & SUPPLIES:	\$ 95,585	\$ 107,400	\$ 110,015	\$ 111,500	\$ 4,100	4%	1%

Town of Bar Harbor
FY 2017
Water Budget

		APY	BTY	ETY	RNY	RNY	RNY	RNY
		Actual Last Yr.	Budget This Yr	Estimate This Yr	Request Next Yr	\$ Change	% Change	% Change
		6/30/2015	6/30/2016	6/30/2016	6/30/2017	vs. Bgt.'16	vs. Bgt.'16	vs. Est.'16
		FY15 Actual	FY16 Budget	FY16 Estimate	FY17 Budget			
4098	55 - UTILITIES & COMMODITIES:							
5504	Utility-Electricity	\$ 32,797	\$ 31,000	\$ 30,000	\$ 31,000	\$ -	0%	3%
5506	Utility-Electricity Pumping	\$ 2,557	\$ 3,300	\$ 3,100	\$ 3,300	\$ -	0%	6%
5514	Utility-Motor Fuel-Diesel	\$ 2,123	\$ 1,700	\$ 1,400	\$ 1,500	\$ (200)	-12%	7%
5516	Utility-Motor Fuel-Gasoline	\$ 11,526	\$ 13,000	\$ 9,500	\$ 10,500	\$ (2,500)	-19%	11%
5520	Utility-Propane	\$ 5,636	\$ 8,500	\$ 8,000	\$ 8,500	\$ -	0%	6%
5528	Utility-Telephone & Cellular	\$ 3,738	\$ 4,000	\$ 4,000	\$ 4,000	\$ -	0%	0%
5530	Utility-Water	\$ 472	\$ 600	\$ 600	\$ 600	\$ -	0%	0%
	Total UTILITIES & COMMODITIES	\$ 58,849	\$ 62,100	\$ 56,600	\$ 59,400	\$ (2,700)	-4%	5%
4098	56 -REPAIRS & MAINTENANCE							
5602	Rep & Mt-Buildings	\$ 3,476	\$ 2,000	\$ 2,000	\$ 2,000	\$ -	0%	0%
5618	Rep & Mt-Equipment, Gen'l	\$ 2,549	\$ 2,500	\$ 2,500	\$ 2,500	\$ -	0%	0%
5626	Rep & Mt-Hydrants	\$ 5,597	\$ 7,500	\$ 7,500	\$ 7,500	\$ -	0%	0%
5628	Rep & Mt-Mains	\$ 61,794	\$ 38,000	\$ 38,000	\$ 40,000	\$ 2,000	5%	5%
5630	Rep & Mt-Meters	\$ 32,400	\$ 63,000	\$ 63,000	\$ 63,000	\$ -	0%	0%
5634	Rep & Mt-Plant & Wtr Treatmnt Equipmnt	\$ 6,443	\$ 6,000	\$ 7,900	\$ 7,000	\$ 1,000	17%	-11%
5642	Rep & Mt-Pumping Equipment	\$ 3,112	\$ 3,300	\$ 3,300	\$ 3,300	\$ -	0%	0%
5650	Rep & Mt-Services	\$ 41,414	\$ 13,500	\$ 13,500	\$ 15,000	\$ 1,500	11%	11%
5652	Rep & Mt-Standpipes	\$ 462	\$ 500	\$ 500	\$ 500	\$ -	0%	0%
5658	Rep & Mt-Vehicles	\$ 4,366	\$ 4,500	\$ 4,500	\$ 4,500	\$ -	0%	0%
	Total REPAIRS & MAINTENANCE	\$ 161,613	\$ 140,800	\$ 142,700	\$ 145,300	\$ 4,500	3%	2%
4098	57 -EQUIPMENT PURCHASES							
5700	Equip Purch-Computers & Printers	\$ 7,886	\$ 2,600	\$ 3,460	\$ 3,400	\$ 800	31%	-2%
5702	Equip Purch-Office Furniture	\$ 1,980	\$ -	\$ -	\$ 1,000	\$ 1,000		
5704	Equip Purch-Operating Equipment	\$ 12,642	\$ 19,000	\$ 19,000	\$ 2,750	\$ (16,250)	-86%	-86%
	Total EQUIPMENT PURCHASES	\$ 22,508	\$ 21,600	\$ 22,460	\$ 7,150	\$ (14,450)	-67%	-68%

Town of Bar Harbor
FY 2017
Water Budget

		APY	BTY	ETY	RNY	RNY	RNY	RNY
		Actual Last Yr.	Budget This Yr	Estimate This Yr	Request Next Yr	\$ Change	% Change	% Change
		6/30/2015	6/30/2016	6/30/2016	6/30/2017	vs. Bgt.'16	vs. Bgt.'16	vs. Est.'16
		FY15 Actual	FY16 Budget	FY16 Estimate	FY17 Budget			
4098	58 - OTHER-INS, TRVL, ADV, MISC:							
	5800 Advertising	\$ 1,829	\$ 2,100	\$ 2,100	\$ 2,100	\$ -	0%	0%
	5802 Uncollectible Customer Accts	\$ 500	\$ 1,000	\$ 1,000	\$ 1,000	\$ -	0%	0%
	5808 Dues-Licenses & Other	\$ 2,897	\$ 3,900	\$ 3,900	\$ 3,900	\$ -	0%	0%
	5822 Insurance-General & Pub Off. Liab.	\$ 5,439	\$ 5,500	\$ 5,631	\$ 5,800	\$ 300	5%	3%
	5824 Insurance-Property & Casualty	\$ 5,922	\$ 6,400	\$ 6,074	\$ 6,400	\$ -	0%	5%
	5826 Insurance-Vehicle Coll./Liab.	\$ 1,863	\$ 2,200	\$ 1,570	\$ 2,000	\$ (200)	-9%	27%
	5832 Permits & Fees	\$ 582	\$ 600	\$ 600	\$ 600	\$ -	0%	0%
	5836 Postage & Shipping Costs	\$ 1,352	\$ 2,600	\$ 2,600	\$ 2,600	\$ -	0%	0%
	5840 Regulatory Assessments	\$ 10,497	\$ 9,300	\$ 10,000	\$ 10,000	\$ 700	8%	0%
	5844 Training, Workshops, Etc.	\$ 2,295	\$ 2,100	\$ 2,100	\$ 2,100	\$ -	0%	0%
	5846 Travel, Rooms, Miles & Meals	\$ 512	\$ 2,600	\$ 2,600	\$ 2,600	\$ -	0%	0%
	6008 Rate Case Amortization	\$ 2,450	\$ 4,900	\$ 1,942	\$ 3,884	\$ (1,016)	-21%	100%
	Total OTHER-INS, TRAVL, ADV, MISC	\$ 36,138	\$ 43,200	\$ 40,117	\$ 42,984	\$ (216)	-1%	7%
4098	59 - UNCLASSIFIED							
	5910 Debt Service-Interest	\$ 126,938	\$ 119,736	\$ 119,736	\$ 167,021	\$ 47,285		
	Total Debt Service-Interest	\$ 126,938	\$ 119,736	\$ 119,736	\$ 167,021	\$ 47,285	39%	39%
4098	60 - DEPRECIATION & AMORT.:							
	6000 Amortization-Acquisition Adjustment	\$ 70,124	\$ 70,124	\$ 70,124	\$ 70,124	\$ -		
	6006 Amortization-Debt Expenses	\$ 759	\$ 759	\$ 759	\$ 759	\$ -		
	4610 Old Account	\$ -	\$ -	\$ -	\$ -	\$ -		
	6009 Old Account	\$ -	\$ -	\$ -	\$ -	\$ -		
	6012 Depreciation-	\$ 210,642	\$ 204,000	\$ 220,000	\$ 221,000	\$ 17,000		
	6014 Depreciation-Cont In Aid of Construction	\$ 10,221	\$ 10,000	\$ 10,000	\$ 10,000	\$ -		
	Total Depreciation & Amortization Exps:	\$ 291,746	\$ 284,883	\$ 300,883	\$ 301,883	\$ 17,000	6%	0%

Town of Bar Harbor
FY 2017
Water Budget

	APY	BTY	ETY	RNY			
	Actual Last Yr.	Budget This Yr.	Estimate This Yr.	Request Next Yr.	RNY	RNY	RNY
	6/30/2015	6/30/2016	6/30/2016	6/30/2017	\$ Change	% Change	% Change
	FY15 Actual	FY16 Budget	FY16 Estimate	FY17 Budget	vs. Bgt.'16	vs. Bgt.'16	vs. Est.'16
Capital Expenditures							
4098-							
6906	Lakehse PLC Upgrade/Turbidity Meter	\$ -	\$ 6,000	\$ 6,000	\$ 5,300		
6908	Asset Management System	\$ -	\$ -	\$ -	\$ 25,000		
6910	Utility Billing Software	\$ 15,710	\$ -	\$ -	\$ -		
6914	Pipe Fusion Machine	\$ -	\$ -	\$ -	\$ 30,000		
6912	Backup Lime Pump	\$ -	\$ 7,500	\$ 7,500	\$ -		
6916	Pumphouse-refinish/paint walls	\$ -	\$ -	\$ -	\$ 15,000		
6918	Hydrants Replacements	\$ 14,931	\$ 10,000	\$ 10,000	\$ 10,000		
6922	Main Replacements	\$ 335,884	\$ 1,773,250	\$ 1,700,000	\$ 124,500		
6924	Added A/C unit in the UV room	\$ -	\$ -	\$ -	\$ 18,000		
6928	Service Replacements	\$ 73,342	\$ 10,000	\$ 10,000	\$ 10,000		
6932	Vehicles - New Vacuum Trailer - FY15	\$ 96,636	\$ -	\$ -	\$ -		
6932	Vehicles-Snow plow unit (FY17)	\$ -	\$ 37,000	\$ 37,000	\$ 5,500		
6950	CIP Reserve-Mains	\$ -	\$ 5,000	\$ 5,000	\$ 5,000		
	Totals-Gross Capital Spending	\$ 536,503	\$ 1,848,750	\$ 1,775,500	\$ 248,300	-87%	-86%
	Less: CIAC	\$ (3,891)	\$ -	\$ -	\$ -		
	Less: Bonding (mains)	\$ (393,820)	\$ (1,700,000)	\$ (1,700,000)	\$ -		
	Net Capital Spending (internal funds)	\$ 138,792	\$ 148,750	\$ 75,500	\$ 248,300	67%	229%

Town of Bar Harbor
FY 2017
Water Budget

List of Positions - Authorized Wages

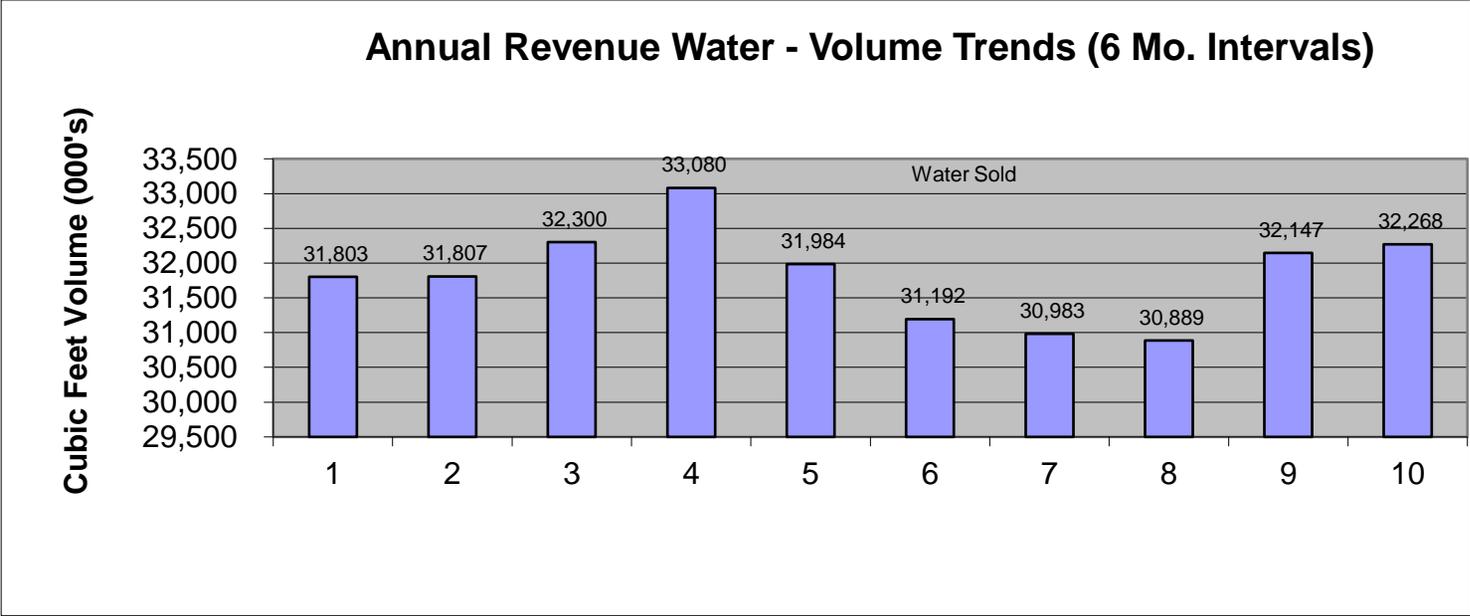
A/c #	-base pay-	Present Rate @ 6-30-16	June '16 Base Wage	Proposed 2.0% Rate or Hours 2080	FY17 Proposed Base Wages 2.0%	Proposed FY17 Budget
5100	Superintendent -Salary- Van Trump Less 1/2 charged to Wastewater	\$ 82,160	\$ 82,160		\$ 83,803 \$ (41,902)	\$ 83,803 \$ (41,902)
	Foreman/Lic.Oper.-Vacant	\$ 24.00	\$ 49,920	\$ 24.48	\$ 50,918	\$ 50,918
	Office Manager	\$ 20.53	\$ 42,702	\$ 20.94	\$ 43,556	\$ 43,556
	Water Maint. Worker	\$ 20.79	\$ 43,243	\$ 21.21	\$ 44,108	\$ 44,108
	Plant Operator	\$ 19.92	\$ 41,434	\$ 20.32	\$ 42,262	\$ 42,262
	Water Maint. Worker	\$ 18.12	\$ 37,690	\$ 18.48	\$ 38,443	\$ 38,443
				\$ -	\$ -	\$ -
5105	Total wages-hourly		\$ 214,989		\$ 219,289	\$ 219,289
	Scheduled Overtime-Avg. OT rate (3)	\$ 32.86	\$ 23,242	832	\$ 27,340	\$ 27,340
	Unscheduled Overtime-Avg. OT rate (3)	\$ 32.86	\$ 15,000	400	\$ 13,144	\$ 13,144
			\$ -		\$ -	\$ -
5110	Total wages-overtime		\$ 38,242		\$ 40,484	\$ 40,484
	Totals - Salaries & Wages		\$ 335,391		\$ 301,674	\$ 301,674
	Actual Unscheduled Overtime Hours - CY 2015			741		
	Actual Unscheduled Overtime Hours - CY 2014			836		
	Actual Unscheduled Overtime Hours - CY 2013			358		
	Actual Unscheduled Overtime Hours - CY 2012			332		

Town of Bar Harbor
2017 Water Budget

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

6 Month Increments

	Dec-11 PUC Yr 1	Jun-12 FY 2	Dec-12 PUC Yr 3	Jun-13 FY 4	Dec-13 PUC Yr 5	Jun-14 FY 6	Dec-14 PUC Yr 7	Jun-15 FY 8	Dec-15 PUC Yr 9	Jun-16 FY 10
Billed Consumption	31,803	31,807	32,300	33,080	31,984	31,192	30,983	30,889	32,147	32,268
6 Month % Changes		0%	2%	2%	-3%	-2%	-0.7%	-0.3%	4%	0%
YTD -(4.5) year % change										-1%
1% average decrease in annual consumption										
Production Water	50,337		51,000		46,350		45,959		46,267	
YTD 4 Year % change									-8.1%	



Town of Bar Harbor
2017 Water Budget

Capital Investment (CIP) Since Purchase of water Company

Company purchased Oct 2001

	6/30/2015 (13.75 yrs)	6/30/2016 (est)	14.75 yrs Totals	
Gross Capital Investment:	\$ 6,360,562	\$ 148,750	\$ 6,509,312	**
Paid By:				
Bonding & Constr. Contributions	\$ 4,621,226	\$ -	\$ 4,621,226	71%
Internally Generated Cash Used	\$ 1,739,336	\$ 148,750	\$ 1,888,086	29%

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

Source:		
From Sale of Properties: (Main St. & edgewood St.)		\$ 717,291
From Normal Operations (Rates)		\$ 1,933,733 <i>(\$131,000 per year)</i>
Net Cash Available		\$ 2,651,024
Used For:		
Capital		\$ 1,888,086
Paying off the Underfunded Pension Plan		\$ 247,773
For Painting Jackson Lab Tank		\$ 258,208
Net Cash Used		\$ 2,394,067
Estimated Net Working Capital Increase - 14.75 years		\$ 256,957

** (excludes \$1.7 million bond for future Rte #3 DOT project not yet completed)

FY 2017 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
			FY17	FY18	FY19	FY20	FY21	Five Year
			Funding/Spending	Funding/Spending	Funding/Spending	Funding/Spending	Funding/Spending	Spending
Vehicles								
6932	94 Backhoe/Loader	1994						-
6932	14' Starcraft boat	1998						-
6932	GMC Sierra-2500	2012					37,000	37,000
6932	GMC Sierra Util Pickup-2500	2015						-
6932	GMC Sierra Supt Pickup-2500	2011				37,000		37,000
6932	GMC Sierra Pickup-2500	2016						-
6932	Snowplow unit	new	5,500					5,500
Facilities								
6916	Pumphouse-Paint basement walls		15,000					15,000
	Standpipe Coating-1936 Steel Tank				-	-	-	-
	Demo Dreamwood Hill Tank		-	50,000				50,000
Equipment								
6908	Asset Management System	new	25,000	-				25,000
6914	Pipe Fusion Machine (Crissy)	new	30,000	-				30,000
6906	Lakehouse Turbidity Meter	new	5,300					5,300
6924	added A/C unit in UV room	new	18,000					18,000
	LeRoi Portable Air Compressor	1996		-				-
			-	-				-
Mains (Rep = replacement)								
6922								-
6922				-	-			-
6922	Rep Ash Place-500' - 1 1/2"	Work Cap	73,250	-				73,250
6922	Rep Atlantic Ave - 6" CI -1927- 250'	Work Cap	51,250					51,250
6922	Rep Atlantic Ave - 6" CI -1927- 510'	New Bond			93,050			93,050
6922	Rte #3 Project-Coordinate with DOT	New Bond						-
6922	Rep Des Isle Ave - 2" galv -1937 - 495'	New Bond				81,275		81,275
6922	Rep Hancock St. - 6" - 1898 - 1800'	New Bond					281,150	281,150
6922	Rep Devon Road	Work Cap		72,286				72,286
6922	Rep Shannon Road - 1500'	New Bond					246,400	246,400
6922	Rep Highbrook Rd.-850' extension	New Bond						-
6922	Rep Rodick St. (West to Cottage)-470'	New Bond						-
6922	Rep Derby Lane - 430'	New Bond				95,950		95,950
6922	Rep Livingston Road - 6" - 1912	New Bond				72,450		72,450
6922	Rep Lower Main St. - 2050'	New Bond				182,075		182,075
6922	Rep Cottage St. - 400'	New Bond					343,950	343,950
6922	Rep Glen Mary Road - 1350'	New Bond				63,308		63,308
6922	Rep Pleasant St.	New Bond					225,450	225,450
6922	Rep Holland Ave - 1450'	New Bond					191,050	191,050

FY 2017 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
			FY17	FY18	FY19	FY20	FY21	Five Year
			Funding/Spending	Funding/Spending	Funding/Spending	Funding/Spending	Funding/Spending	Spending
			-			-	-	-
						-		-
	<i>Mains - subtotal</i>		124,500	72,286	93,050	495,058	1,288,000	2,072,894
6918	Hydrants-from road construction		10,000	10,000	10,000	10,000	10,000	50,000
6950	CIP Reserve-Unallocated		5,000	35,000	20,000	25,000	30,000	115,000
6928	Services - Rebuild from road const		10,000	10,000	10,000	10,000	10,000	50,000
								-
Totals			248,300	177,286	133,050	577,058	1,375,000	2,510,694

Funded From:	Operations/Fund Balance	248,300	177,286	133,050	177,058	175,000	910,694
	Other adjustments/Reserves						-
	20 Year Bonding-new bonds	-	-	-	400,000	1,200,000	1,600,000
	20 Year Bonding-existing	-	-	-	-	-	-
		248,300	177,286	133,050	577,058	1,375,000	2,510,694

20 Yr Bonding- added annual debt service on \$1,600,000
 @4.0% = \$120,000 per year or 6% est. rate impact

TOWN OF BAR HARBOR WATER DIVISION
 BAR HARBOR, MAINE

APPLICATION OF CHAPTER 6910, DETERMINATION OF FIRE
 PROTECTION REVENUE (PUC DOCKET 87-5) AUG 10, 1987

Population is: 8,247 X = 8.247

1,020 * √ X times 1-(0.01√X) =GPM

1,020 * √2.900 X 1-(0.01 * √2.900)

1,020 * 2.871759 X 1-(0.01* 2.87175904)

2929.194 X 0.971282410 = GALLONS PER MINUTE 2845 GPM

PEAK FLOW

AVERAGE DAILY FLOW EQUALS $\frac{\text{GALLONS PER YEAR}}{365 \text{ DAYS X } 24 \text{ HRS X } 60 \text{ MIN.}}$ X 2-1/2

TOTAL FOR TOWN $\frac{343,773,000}{525,600}$ = 654.06 X 2 1/2 = 1635.1500 GPM

RATIO $\frac{1,635.1500}{2,845}$ = 0.574745167 TO BE APPLIED TO CHART = 28%

TOTAL PERCENTAGE CHARGE LIMITED TO 28% PER CHAPTER 690.

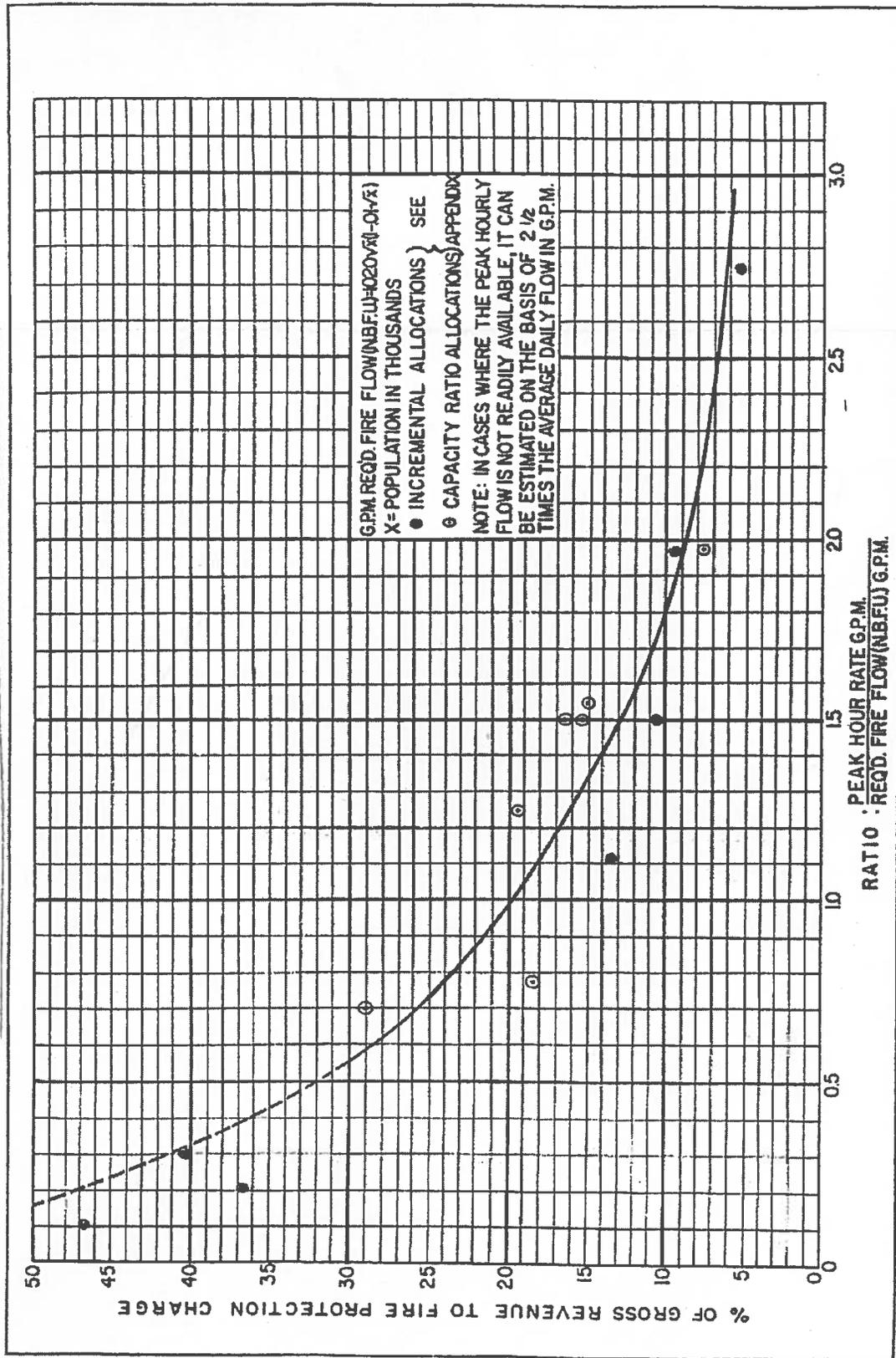


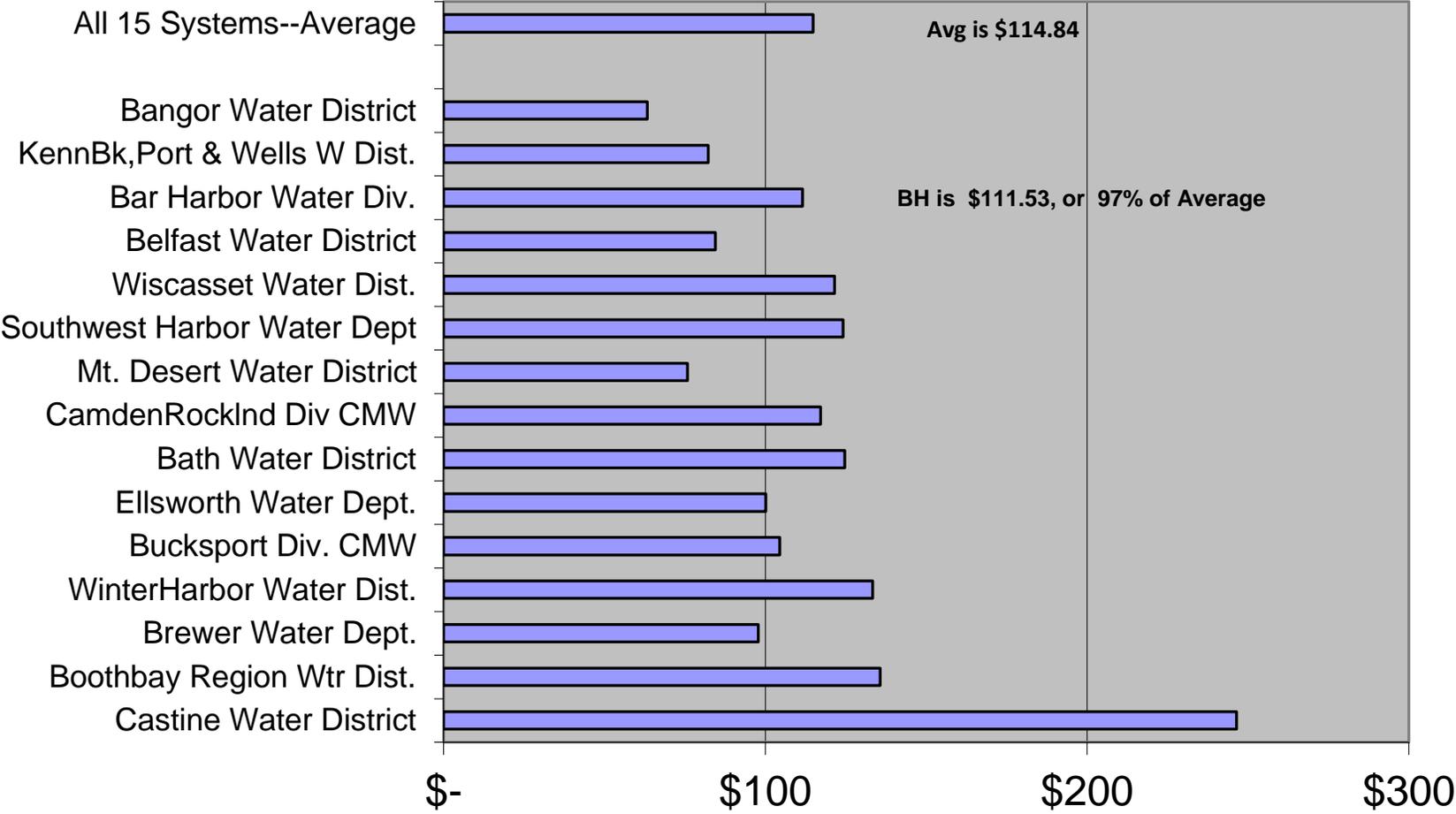
FIG. 1 DETERMINATION OF PERCENTAGE OF GROSS REVENUE FOR PUBLIC FIRE PROTECTION CHARGE

Town of Bar Harbor
FY 2017
Water Budget

Calculation of Estimated Rate Increase	Base- Budget	Adjustments	Pro-Forma
Total Operating Expenses:			
Payroll & Benefits	\$ 441,574		\$ 441,574
Contractual Services	\$ 256,667		\$ 256,667
Materials & Supplies	\$ 111,500		\$ 111,500
Utilities & Commodities	\$ 59,400		\$ 59,400
Repairs & Maintenance	\$ 145,300		\$ 145,300
Minor Equipment Purchases	\$ 7,150		\$ 7,150
Other Miscellaneous Expenses	\$ 42,984		\$ 42,984
subtotal-cash expenses			\$ 1,064,575
Depreciation & Amortization	\$ 301,883	\$ (70,124)	\$ 231,759
			*** a/c#6000
Utility Operating Expenses:	\$ 1,366,458	\$ (70,124)	\$ 1,296,334
Debt Service: Interest	\$ 167,021		\$ 167,021
Principal	\$ 562,195	\$ -	\$ 562,195
Total Base Expenses for Rates	\$ 2,095,674	\$ (70,124)	\$ 2,025,550
Contingency Allowance: 5%		5%	\$ 101,277
Total Gross Revenue Required:			\$ 2,126,827
Revenues @ current rates:			\$ 2,079,602
Estimated Increase in Annual Revenues Required:			\$ 47,225
Estimated % Increase of rates needed			2.3%

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

Water Rate Comparisons - Family Usage @ 2000 CF



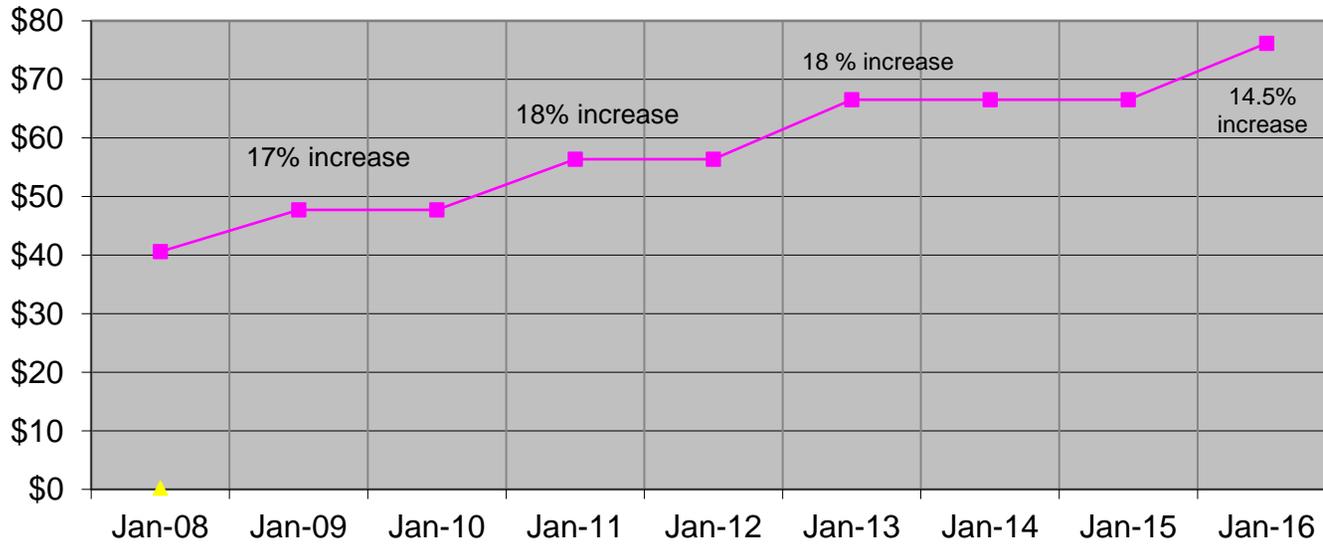
Water Rate Comparisons

(USDA std)

<i>Utility Name</i>	<i>Qtr Minimum 1200 CuFt</i>	<i>Qtr - Family 2000 CuFt</i>	<i>Rates Effective</i>	<i>New Est</i>
Unfiltered Systems:				
Brewer Water Dept.	\$ 72.33	\$ 97.77		2008
Mt. Desert Water District	\$ -	\$ 75.80		2003
ME Water Co,-Camden	\$ -	\$ 117.16		2014
Bar Harbor Water Div.	\$ 76.17	\$ 111.53		2016
Bangor Water District		\$ 63.29		2015
Average Billing		\$ 93.11		
BH Rate as a % of Avg. Rate		120%		
Filtered Systems:				
Castine Water District	\$ -	\$ 246.40		2011
Boothbay Region Wtr Dist.	\$ -	\$ 135.65		2014
WinterHarbor Water Dist.	\$ -	\$ 133.33		2012
ME Water Co-Bucksport	\$ -	\$ 104.45		2013
Ellsworth Water Dept.	\$ -	\$ 100.10		2008
Bath Water District	\$ -	\$ 124.69		2015
Southwest Harbor Water Dept	\$ -	\$ 124.12		2014
Wiscasset Water Dist.	\$ -	\$ 121.52		2014
Belfast Water District	\$ -	\$ 84.48		2015
KennBk,Port & Wells W Dist.	\$ -	\$ 82.29		2015
Average Billing	\$ -	\$ 125.70		
BH Rate as a % of Avg. Rate		89%		
All Systems-Average		\$ 114.84		
BH Rate as a % of Avg. Rate		97%		

Town Of Bar Harbor
2017 Water Budget

History of Quarterly Minimum Water Charges									
Rate Increases by Town (on residential users)	19%		17%		18%		18%		14.5%
Effective Dates	1/1/08	1/1/09	1/1/10	1/1/11	1/1/12	1/1/13	1/1/14	1/1/15	1/1/16
Water Minimum Charge	\$ 40.59	\$ 47.70	\$ 47.70	\$ 56.39	\$ 56.39	\$ 66.55	\$ 66.55	\$ 66.55	\$ 76.17
Minimum Allowance	1200	1200	1200	1200	1200	1200	1200	1200	1200
<i>an average of 11% 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


 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

<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. 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:

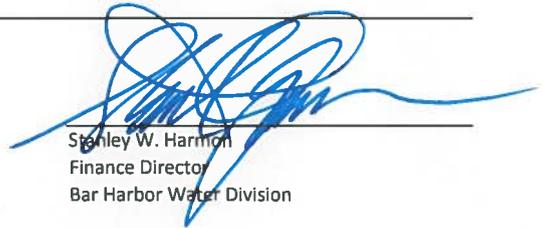
Private fire service rates for automatic sprinklers, standpipes or hose connections to be used only for fire protection inside of buildings.

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 - 00317



Stanley W. Harmon
Finance Director
Bar Harbor Water Division

Debt Service

A Responsibility of the Finance Department

Bond Issue F

PUBLIC WORKS PROJECTS: FY10

Original Principal = \$4,300,000 *

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

Issued: 5/1/10

Interest Rate = 2.0% - 4.0% (Avg.-3.42%)

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

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

Lender: Hutchinson, Shockey, Erly & Co.

Paying Agent: Bank of New York Mellon

Agent Fee: None

Refinancing: Only after February 2021

Bond Issue F - Public Works Projects: FY10

****** WATER FUND SHARE ******

FY	Date	Interest Rate	Principal Payment	Interest Payment	Payment Total	Water Fund FY Total	FY
17	11/1/16	2.50%	0.00	7,237.50	7,237.50		
	5/1/17	2.75%	30,000.00	7,237.50	37,237.50	44,475.00	17
18	11/1/17	2.75%	0.00	6,825.00	6,825.00		
	5/1/18	3.00%	30,000.00	6,825.00	36,825.00	43,650.00	18
19	11/1/18	3.00%	0.00	6,375.00	6,375.00		
	5/1/19	3.00%	30,000.00	6,375.00	36,375.00	42,750.00	19
20	11/1/19	3.00%	0.00	5,925.00	5,925.00		
	5/1/20	3.00%	30,000.00	5,925.00	35,925.00	41,850.00	20
21	11/1/20	3.00%	0.00	5,475.00	5,475.00		
	5/1/21	3.00%	30,000.00	5,475.00	35,475.00	40,950.00	21
22	11/1/21	3.00%	0.00	5,025.00	5,025.00		
	5/1/22	3.20%	30,000.00	5,025.00	35,025.00	40,050.00	22
23	11/1/22	3.20%	0.00	4,545.00	4,545.00		
	5/1/23	3.30%	30,000.00	4,545.00	34,545.00	39,090.00	23
24	11/1/23	3.30%	0.00	4,050.00	4,050.00		
	5/1/24	3.50%	30,000.00	4,050.00	34,050.00	38,100.00	24
25	11/1/24	3.50%	0.00	3,525.00	3,525.00		
	5/1/25	3.50%	30,000.00	3,525.00	33,525.00	37,050.00	25
26	11/1/25	3.50%	0.00	3,000.00	3,000.00		
	5/1/26	4.00%	30,000.00	3,000.00	33,000.00	36,000.00	26
27	11/1/26	4.00%	0.00	2,400.00	2,400.00		
	5/1/27	4.00%	30,000.00	2,400.00	32,400.00	34,800.00	27
28	11/1/27	4.00%	0.00	1,800.00	1,800.00		
	5/1/28	4.00%	30,000.00	1,800.00	31,800.00	33,600.00	28
29	11/1/28	4.00%	0.00	1,200.00	1,200.00		
	5/1/29	4.00%	30,000.00	1,200.00	31,200.00	32,400.00	29
30	11/1/29	4.00%	0.00	600.00	600.00		
	5/1/30	4.00%	30,000.00	600.00	30,600.00	31,200.00	30
Total Water Fund Share			420,000.00	115,965.00	535,965.00	535,965.00	14

Summary of Bond Issue F:

CIP Fund Share	2,590,000	86.0%
Water Fund Share	420,000	14.0%
Grand Total	\$3,010,000	100.0%

Debt Service

A Responsibility of the Finance Department

Bond Issue H WATER SYSTEM IMPROVEMENTS: 2011

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
17	12/01/16	2.00%	281,247.00	31,254.42	312,501.42	
	06/01/17			28,441.95	28,441.95	340,943.37
18	12/01/17	2.00%	281,247.00	28,441.95	309,688.95	
	06/01/18			25,629.48	25,629.48	335,318.43
19	12/01/18	2.00%	286,247.00	25,629.48	311,876.48	
	06/01/19			22,767.01	22,767.01	334,643.49
20	12/01/19	2.00%	293,944.00	22,767.01	316,711.01	
	06/01/20			19,827.57	19,827.57	336,538.58
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			2,475,733.00	391,531.18	2,867,264.18	2,867,264.18

Debt Service

A Responsibility of the Finance Department

-- Debt Service Continued on Next Page --

Bond Issue I

WATER SYSTEM IMPROVEMENTS: 2012 - SRF

Duck Brook Water Pumping Station renovations, water treatment system improvements and watermain 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

Agent fee: None

<i>Fiscal Year</i>	<i>Date</i>	<i>Principal Payment</i>	<i>Interest Payment</i>	<i>Payment Total</i>	<i>Fiscal Year Total</i>
17	10/01/16	124,604.00	18,286.86	142,890.86	
	04/01/17	0.00	11,402.49	11,402.49	154,293.35
18	10/01/17	125,850.00	17,694.99	143,544.99	
	04/01/18	0.00	10,741.77	10,741.77	154,286.76
19	10/01/18	127,108.00	17,097.17	144,205.17	
	04/01/19	0.00	10,074.46	10,074.46	154,279.63
20	10/01/19	128,379.00	16,493.41	144,872.41	
	04/01/20	0.00	9,400.46	9,400.46	154,272.87
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		2,296,500.00	325,543.84	2,622,043.84	2,622,043.84

-- Debt Service Continued on Next Page --