

Town of Harwich
BOARD OF WATER COMMISSIONER'S MEETING AGENDA*
Friday, May 22, 2020, 8:00am

REMOTE PARTICIPATION ONLY
Public can access meeting at Channel 18 (Broadcasting Live)
OPEN PUBLIC FORUM

Pursuant to Governor Baker's March 12, 2020 Order Suspending Certain Provisions of the Open Meeting Law, G.L. c. 30A, §18, and the Governor's March 15, 2020 Order imposing strict limitation on the number of people that may gather in one place, this meeting of the Town of Harwich Board of Water Commissioners on Friday, May 22, 2020 at 8:00 a.m. will be conducted via remote participation to the greatest extent possible. Specific information and the general guidelines for remote participation by members of the public and/or parties with a right and/or requirement to attend this meeting can be found on the Town of Harwich website, at www.harwich-ma.gov. For this meeting, members of the public who wish to watch the meeting may do so in the following manner on Channel 18 or by watching the simulcast at: <http://harwich18.dyndns.org/cablecast/public/Live.aspx?ChannelID=1> **NO IN-PERSON ATTENDANCE OF MEMBERS OF THE PUBLIC WILL BE PERMITTED**, but every effort will be made to ensure that the public can adequately access the proceedings in real time, via technological means. In the event that we are unable to do so, despite best efforts, we will post on the Town of Harwich's website an audio or video recording, transcript, or other comprehensive record of proceedings as soon as possible after the meeting.

For those members of the public wishing to make comment you may do so by a combination of email and phone by;

1. First, send an email to: dpelletier@harwichwater.com
(Send emails at any time after the meeting agenda has been officially posted)
 - a. In the subject line enter "request to speak Jane Doe"
 - b. Replace Jane Doe with your name - No need to add any more detail to email
2. Please wait until the Chairman has opened this agenda item for Open Public Forum
3. **Dial: 669-224-3412**
4. **Enter Access Code: 878-618-661**
5. Please be patient and eliminate any background noise
6. Callers will be taken in the order the emails are received
7. When your name is called use *6 to unmute yourself

I. **CALL TO ORDER**

II. **CONSENT AGENDA**

- A. Minutes
 1. February 19, 2020- *Executive Session*
 2. February 19, 2020- *Regular Session*
 3. March 6, 2020

III. **ABATEMENTS**

- A. FY20 Q3 Internal Adjustments- *Vote to Approve*
- B. FY20 Q3 Water Department Usage;
- C. 103 Grey Neck Road
- D. 745 Main Street
- E. 12 Union Street

- IV. OLD/UNFINISHED BUSINESS
 - A. Rules & Regulations- *Progress Update*
 - B. Water Rates- *Progress Update*
 - C. FY20 Budget Report
 - D. Nexamp 2/3 Solar- *Update*
- V. NEW BUSINESS
 - A. FY20 Q3 Budget- *Update*
 - B. Billing Update
 - C. Consumption & Revenue- *Update*
 - D. Superintendent's Evaluation
 - E. Reorganize BOWC
- VI. SUPERINTENDENT'S REPORT
 - A. COVID-19- *Update*
 - B. Food Forest Initiative (Eversource ROW) - *Update*
- VII. COMMISSIONER'S REPORT
- VIII. CORRESPONDENCE/ANY OTHER BUSINESS
- IX. NEXT MEETING: TBD
- X. OPEN PUBLIC FORUM
 - A. See dial in instructions above
- XII. ADJOURNMENT

**Per the Attorney General's Office: The Board of Water Commissioners may hold an open session for topics not reasonably anticipated by the Chair 48 hours in advance of the meeting following "New Business." *If you are deaf or hard of hearing or are a person with a disability who requires an accommodation, contact the Water Department Office at 508-432-0304 x.0 or by email at customerservice@harwichwater.com*

Authorized Posting Officer:

Tracey Alves

Tracey Alves, Board Secretary

Posted By:

Town Clerk

Date:

**MINUTES
HARWICH WATER DEPARTMENT
BOARD OF WATER COMMISSIONERS
WEDNESDAY, FEBRUARY 19, 2020
REGULAR SESSION
8:20 A.M.**

WATER COMMISSIONER'S PRESENT: Chair Allin Thompson, Vice Chair Judith Underwood, Clerk Gary Carreiro

OTHERS PRESENT: Superintendent Dan Pelletier, Comptroller Sandra Sieger, Billing Administrator Wellesley Marsh, Board Secretary Tracey Alves

CALL TO ORDER

Chair Thompson called the meeting to order at 8:21 a.m.

EXECUTIVE SESSION

Pursuant to M.G.L. c. 30A, §21(a)(3), to discuss strategy with respect to collective bargaining or litigation if an open meeting may have a detrimental effect on the bargaining or litigating position of the public body and the Chair so declares; Harwich Employees Association Grievance

CONSENT AGENDA

A. Minutes:

1. January 10, 2020- *Sign as Amended*
2. February 5, 2020

Clerk Carreiro motioned to approve the Consent Agenda. Vice Chair Underwood seconded the motion, all in favor; 3-0-0.

ABATEMENTS

A. FY20 Q2 Water Department Usage; \$1,657.52

Vice Chair Underwood moved to approved the FY20 Q2 Water Department Usage in the amount of \$1,657.52. Clerk Carreiro seconded the motion; 3-0-0.

B. FY20 Water Department Account 9729; \$4,072.56

Vice Chair Underwood moved to approved the FY20 Water Department Account 9729 in the amount of \$4,072.56. Clerk Carreiro seconded the motion; 3-0-0.

OLD UNFINISHED BUSINESS

A. Rules & Regulations- *Review Sections 7 & 8*

The Board reviewed sections 7 & 8 of the Rules and Regulations and approved edits as necessary. Sections 9 & 10 will be reviewed at the next meeting to include the topic of Irrigation Policy.

B. Water Rates- *Discussion*

Discussion regarding water rates will be tabled until the next meeting.

C. Cemetery Property

Discussion took place regarding the possibility of the cemetery property being used for the new location of the Water Department in the future.

D. Solar Revenue

The topic of solar revenue was discussed. The Board would like to meet with Liz Argo of CVEC and Selectman Michael MacAskill to renegotiate.

E. Mass DEP Sanitary Survey

The DEP's Sanitary Survey Report on the Water Department is great! This stemmed from their visit to Harwich on December 18, 2019 to perform their sanitary survey on the Water Department's facilities.

NEW BUSINESS

A. FY21 Wastewater Budget- *Discussion*

The Robert B. Our Co. will be finished with their sewer work by late September/early October and done with the Chatham contract prior.

An order to connect will be released in the fall of 2020 ordering homeowners to hook-up within 2 years.

Once Robert B. Our Co. is done with their contract the warranties will start on the pumps, generators, etc. and this could happen as early as October.

Some residents may be eager to hook-up this fall!

The Board of Selectmen need to discuss rates, flow, employees, etc. as well as the difficulties that have risen in East Harwich.

NEXT MEETING

The next Board meeting will be held on Friday, March 6, 2020 at 7:00 a.m.

ADJOURNMENT

Chair Thompson entertained a motion to adjourn at 10:42 a.m. Clerk Carreiro moved the motion with a second by Vice Chair Underwood, all in favor; 3-0-0.

Allin P. Thompson, Chairman

Dan Pelletier, Superintendent

Judith Underwood, Vice Chair

Tracey Alves, Board Secretary

Gary Carreiro, Clerk

**MINUTES
HARWICH WATER DEPARTMENT
BOARD OF WATER COMMISSIONERS
FRIDAY, MARCH 6, 2020
REGULAR SESSION
7:00 A.M.**

WATER COMMISSIONER'S PRESENT: Chair Allin Thompson, Vice Chair Judith Underwood, Clerk Gary Carreiro

OTHERS PRESENT: Superintendent Dan Pelletier, Comptroller Sandra Sieger, Dave Nicholson, Board Secretary Tracey Alves

CALL TO ORDER

Chair Thompson called the meeting to order at 7:13 a.m.

CONSENT AGENDA

- A. Minutes:
 - 1. February 19, 2020- *Executive Session*
 - 2. February 19, 2020- *Regular Session*

The minutes from the February 19, 2020 meeting will be added to the next meeting agenda.

ABATEMENTS

- A. 190 Bank Street

The Board reviewed an abatement request for 190 Bank Street. Vice Chair Underwood moved to deny the abatement with a second by Clerk Carreiro; 3-0-0.

OLD UNFINISHED BUSINESS

- A. Water Rates- *Discussion*

Discussion took place regarding changing the water rates. Superintendent Pelletier will present a few scenarios that the Board is interested in at the next meeting.

- B. Rules & Regulations- *Review Sections 9, 10*

The Board reviewed and approved edits within sections 9 and 10 of the Rules & Regulations.

- C. FY21 Budget- *Review*

The Board reviewed the FY21 Budget.

D. Capped Landfill Solar MOU- *Discussion*

The Board will prepare a list of questions that they would like to ask about the Capped Landfill Solar MOU (Memorandum of Understanding) before a meeting is scheduled with Liz Argo and Michael MacAskill.

Vice Chair Underwood will compile a list of questions. Once received, Superintendent Pelletier, will forward them to Selectman Mike MacAskill so that answers to the questions can be prepared prior to a meeting.

NEXT MEETING

The next Board meeting will be held on Wednesday, March 18, 2020 at 8:00 a.m.

ADJOURNMENT

Chair Thompson entertained a motion to adjourn at 8:58 a.m. Clerk Carreiro moved the motion with a second by Vice Chair Underwood, all in favor; 3-0-0.

Allin P. Thompson, Chairman

Dan Pelletier, Superintendent

Judith Underwood, Vice Chair

Tracey Alves, Board Secretary

Gary Carreiro, Clerk

Water Enterprise Fund
FY20 Q3 INTERNAL A/R ADJUSTMENTS

Total **\$677.58**

Allin Thompson, Chairman

Meeting Date **05/22/20**

Judith Underwood, Vice Chair

Gary Carreiro, Clerk

EFF DATE	ADJTYPE	PER	JOURNAL	SRC	REF1	AMOUNT
01/29/20	1WATER	7	354	1 -1906	12920	16.77
02/03/20	1WATER	8	24	1 -1910	020320	-140.00
02/03/20	3SEASN	8	24	1 -1910	020320	-1,400.00
02/03/20	3STIP	8	24	1 -2001	020320	-17.00
02/03/20	1WATER	8	23	1 -1910	011720	-660.00
02/06/20	1WATER	8	68	1 -1901	2620	260.74
02/07/20	1WATER	8	88	1 -1803	020720	48.54
02/07/20	1WATER	8	84	1 -1810	272020	1,789.25
02/07/20	1WATER	8	82	1 -1904	272020	40.16
02/10/20	1WATER	8	103	1 -1803	21020	-140.00
02/10/20	1WATER	8	102	1 -2001	021020	-50.00
02/11/20	1WATER	8	129	1 -1609	21120	1,043.79
02/12/20	1WATER	8	135	1 -2001	21220	-211.64
02/12/20	1WATER	8	134	1 -1910	21220	-1.29
02/13/20	TRANSF	8	143	MI-11520	021320	-19.84
02/13/20	1WATER	8	140	1 -1910	21320	-2.58
02/19/20	1WATER	8	193	1 -2001	21920	1,501.54
02/20/20	1WATER	8	237	1 -2001	022020	-128.30
02/20/20	1WATER	8	237	1 -2001	022020	114.13
02/20/20	3SEASN	8	237	1 -1910	022020	59.51
02/20/20	3STIP	8	237	1 -2001	022020	-13.04
02/21/20	NSF	8	244	1 -2001	22120	111.11
02/24/20	1WATER	8	262	1 -1509	22420	-47.33
02/25/20	1WATER	8	285	1 -2001	22520	903.38
02/25/20	1WATER	8	279	1 -2001	22520	-3.87
02/27/20	1WATER	8	306	1 -1910	22720	-15.76
03/04/20	1WATER	9	32	1 -1806	030420	-243.87
03/06/20	1WATER	9	58	1 -1806	030620	-102.96
03/06/20	3SEASN	9	58	1 -1910	030620	-27.65
03/06/20	MKOUT	9	58	MI-21920	030620	-11.85
03/09/20	1WATER	9	69	1 -1910		-51.45
03/10/20	1WATER	9	93	1 -1910	31020	-703.56
03/12/20	1WATER	9	127	1 -2001	02934	-28.60
03/12/20	1WATER	9	126	1 -1910	31220	-394.68
03/12/20	1WATER	9	125	1 -1910	31220	-108.05

03/13/20	1WATER	9	131	1 -1709	31320	-137.28
03/18/20	1WATER	9	181	1 -1709	031820	-18.34
03/20/20	EMERG	9	219	MI-31720	032020	-257.40
TOTAL SERVICE ADJUSTEMENTS						952.58
DATE	TYPE	ACCT	BILLNO	ADDRESS		AMOUNT
01/21/20	LFEE PYPLAN	01730	333365	7 CLIFFORD RD		-25.00
01/08/20	LFEE PYPLAN	03954	335581	13 LITTLE LN		-25.00
01/24/20	LFEE 1T	05480	338107	26 EARLE TERRACE		-25.00
01/24/20	LFEE 1T	05480	337107	26 EARLE TERRACE		25.00
01/17/20	LFEE 1T	08200	339811	164 ROUND COVE RD		-25.00
01/22/20	LFEE 1T	08352	339963	108 UNCLE VENIES RD		-25.00
01/23/20	LFEE PYPLAN	09191	340801	6 BASSETT WOODS RD		-25.00
02/11/20	LFEE 1T	01182	332817	25 BAYVIEW RD		-25.00
03/09/20	LFEE 1T	05480	337107	26 EARLE TERRACE		-25.00
03/11/20	LFEE 1T	00133	331771	111 ROUTE 137		-25.00
03/19/20	LFEE 1T	04329	346412	51 MONOMOY RD		-25.00
03/19/20	LFEE 1T	07972	350040	4 POND VIEW DR		-25.00
03/23/20	LFEE 1T	08780		9 BELLS NECK RD		-25.00
TOTAL LATE FEES						-275.00

MUST BE FILED WITH THE HARWICH BOARD OF WATER COMMISSIONERS
NO LATER THAN THE DUE DATE WHICH THE WATER CHARGE BECAME A PART

TOWN OF HARWICH
WATER DEPARTMENT
APPLICATION FOR ABATEMENT

RECEIVED: _____
ACCOUNT: Various

To the Board of Water Commissioners:

NAME OF APPLICANT: Harwich Water Department hereby applies for abatement.
PROPERTY OWNER: Town of Harwich
PROPERTY LOCATION: Various
EMAIL ADDRESS: _____
PHONE: 508-432-0304 MOBILE: _____
TOTAL BILL AMOUNT: \$1,250.28 WATER BILL #: See below
AMOUNT REQUESTED: \$1,250.28

REASON FOR ABATEMENT REQUEST (attach additional sheet if necessary)

Department Water Bills - April								
Bill #	Account	Amount	Bill #	Account	Amount	Bill #	Account	Amount
352558	150	\$38.87	362103	9726	\$35.00	362109	9732	\$202.66
352756	349	\$35.00	362104	9727	\$40.16	362110	9733	\$202.66
355348	2949	\$37.58	362105	9728	\$37.58	362111	9734	\$158.67
360385	8003	\$40.16	362106	9729	\$158.67	362112	9735	\$35.00
360717	8337	\$35.00	362107	9730	\$53.27	362117	9740	\$35.00
362102	9725	\$35.00	362108	9731	\$35.00	362357	9981	\$35.00

SIGNATURE OF APPLICANT:  DATE: 5/18/2020

SUBMIT THIS FORM TO THE HARWICH WATER DEPT. 196 CHATHAM ROAD, HARWICH, MA 02645
ATTN: BOARD OF WATER COMMISSIONERS OR FAX TO (888) 774-3557.

BOARD OF WATER COMMISSIONERS

APPROVED DENIED

NOTES:

DATE SIGNATURE

SEE REVERSE SIDE (PAGE 2) FOR RELATED REGULATIONS & APPEAL PROCESS

Abatement Application - 103 Grey Neck Rd

Form Name: Abatement Application

Date of Submission: Mon, 23 Mar 2020 18:40:54 -0400

Your server: www.harwichwater.com

IP address of person using form: 205.145.18.5

URL of page containing form: <http://www.harwichwater.com/customer-service/billing-payments/abatement-application.html>

Name of Applicant: _____

Mailing Address: _____

City/Town: _____

State: Massachusetts

Zip/Postal Code: _____

Phone Number: _____

Mobile Phone Number: _____

Email Address: _____

Date of Water Use Charge: 23 March 2020

Name of Person Assessed (Owner): _____

Location and Description of Property: Property is located at 103 Grey Neck Road West Harwich.

Total Amount Assessed: 1308.69

Total Amount Requested: 654.34

If request is for Water Usage, what is the requested amount?: 654.34

Reason For Abatement Request: My Meter broke in 9/2017. Water depart send me a estimated bill from 2013 to 2017. The cottage was occupied 210 days each year. In 2018 and 2019 the cottage was only occupied 60 days. Willing to pay \$654.34.

SUBSCRIBED THIS DAY UNDER PENALTIES OF PERJURY: 23 March 2020

AGREE?: Checked

RECOMMENDATION: APPROVE DENY

BOARD OF WATER COMMISSIONERS

DATE

SIGNATURE

Accounts

Account: 02092

103 GREY NECK RD. *** METER IN SHED BEHIND HOUSE***

3/24/20 RECEIVED ABATEMENT APPLICATION. WILL SEND RESPONSE TO CUSTOMER THAT WE WILL CONTACT THEM WHEN NEXT BOWC MEETING DATE IS SET.

3/23/20 METER STOPPED REGISTERING SOMETIME IN 2017. OWNER SAID HE STOPPED RENTING THE HOUSE IN 2017 AND THAT ESTIMATIONS ARE TOO HIGH. HE ALSO SAID PROPERTY IS EMPTY FROM OCT-MAY. WE EXPLAINED ABATEMENT PROCESS AND PAYMENTS PLANS. HE WAS ALSO SENT A SEASONAL BROCHURE AND TOLD WE WOULD NOT BE CHANGING THE METER UNTIL IT IS DEEMED SAFE TO DO SO (CORONAVIRUS). HE HAS IRRIGATION TURNED ON/OFF BUT IT IS NOT SERVICED. WM

3/16/20 OWNER CALLED TO CONFIRM RECEIVING OUR MESSAGE AND ALSO CONFIRMED THAT THE HOUSE IS IN USE. HE SAID WE CAN CHANGE THE METER ANYTIME AS IT'S IN A SHED. WE EXPLAINED ESTIMATION PROCESS AND PAYMENT PLAN IF NEEDED. UPDATED PHONE AND EMAIL. WM

2/25/20 LEFT MESSAGE. WM
 1/29/20 STILL ZERO? SENT LETTER. WM
 12/11/19 ZERO USE? SENT EMAIL. WM

4/1/15 WATER BILL PAYMENT WAS SENT TO POB 802, HARWICH. WE SENT AN EMAIL FOR CORRECTION. WM

11/7/14 CHANGED METER AND READER. 78181
 9/3/14 NOT READING. LEFT MESSAGE TO CHECK METER IN PIT. BILL ESTIMATED. WM

1/28/09 MADE SEASONAL ACCOUNT INACTIVE FOR BILLING. WM

12/31/08 CHASE CALLED IN TO SAY THAT THIS CUSTOMER WILL BE STAYING ON THE CAPE THIS WINTER, NO SHUT OFF, WILL KEEP US INFORMED FOR NEXT YEAR
 11/3/08 ASKED TO HOLD OFF ON SEASONAL SHUT OFF UNTIL WE HEAR FROM PLUMBER, seasonal slip in HOLD BOX by my desk KS

11/4/08 PER BC - APPEARS SOMEONE IS TRYING TO GROW GRASS, A LOT OF LANDSCAPING HAS BEEN DONE. SOMEONE IS POSSIBLY GOING BY THERE IN THE A.M. TO TURN ON SPRINKLERS. TWO (2) SPRINKERS ARE GOING. THERE IS NO PUDDLING. BRUCE LEFT MESSAGE WITH OWNER TO CALL OFFICE. SC. METER READ 0062,240. SC.

11/4/08 PER DONNA M. - ASSESSOR'S OFFICE - PER MR/MRS O'DONNELL @ 109 GREY NECK RD: SPRINKLER SYSTEM HAS BEEN RUNNING FOR DAYS. SC.

03/20/08 ON/SEASONAL
 12/13/07 OFF/SEASONAL - READING 0041,350

01/29/07 FROZEN METER REPLACED

DATE	CODE	READING	USAGE	AMOUNT	BALANCE
04/19/2005	1			75.00-	.00
03/16/2005	90			25.00	75.00
03/16/2005	10	135000	1000	50.00	50.00
10/05/2004	1			75.00-	.00
09/24/2004	90			25.00	75.00
09/24/2004	10	134000	5000	50.00	50.00
04/08/2004	1			75.00-	.00
03/09/2004	90			25.00	75.00
03/09/2004	10	129000		50.00	50.00
10/27/2003	1			75.00-	.00
09/26/2003	90			25.00	75.00
09/26/2003	10	129000	9000	50.00	50.00

05/20/2020 14:15
talves

TOWN OF HARWICH - LIVE DATA
UB Consumption History Report

P 1
ubcsnsg

Account Number	Customer # Name	Parcel	Location	Status
Service	Mfr Meter Number	By	Usage Repl Usage Charge Amt Billed Amt	Billed Amt
02092	302071	11/W1-2A-R	103 GREY NECK RD	Active
1WATER- 1 WTR USAGE N	94825951	E 03/30/2020	15,000 0 63.87	63.87
1WATER- 1 WTR USAGE N	94825951	E 01/03/2020	15,000 0 63.87	35.00
1WATER- 1 WTR USAGE N	94825951	E 10/02/2019	50,000 0 219.82	35.00
1WATER- 1 WTR USAGE N	94825951	E 06/21/2019	50,000 0 219.82	35.00
1WATER- 1 WTR USAGE N	94825951	E 04/01/2019	15,000 0 63.87	35.00
1WATER- 1 WTR USAGE N	94825951	E 12/28/2018	15,000 0 63.87	35.00
1WATER- 1 WTR USAGE N	94825951	E 09/28/2018	50,000 0 219.82	35.00
1WATER- 1 WTR USAGE N	94825951	E 06/27/2018	50,000 0 184.82	.00
1WATER- 1 WTR USAGE N	94825951	E 03/05/2018	30,000 0 129.10	70.00
1WATER- 1 WTR USAGE N	94825951	E 09/05/2017	100,000 0 458.70	70.00
1WATER- 1 WTR USAGE N	94825951	A 03/06/2017	249404 261,000 18,000 0 97.30	97.30
1WATER- 1 WTR USAGE N	94825951	A 09/06/2016	238608 243,000 99,000 0 452.98	452.98
1WATER- 1 WTR USAGE N	94825951	A 02/29/2016	227704 144,000 32,000 0 137.00	137.00
1WATER- 1 WTR USAGE N	94825951	A 08/31/2015	217065 112,000 86,000 0 378.62	378.62
1WATER- 1 WTR USAGE N	94825951	E 03/03/2015	206189 26,000 26,000 10,000 143.18	143.18
1WATER- 1 WTR USAGE N	94825951	I 11/07/2014	0 782,000 10,000 0 .00	.00
1WATER- 1 WTR USAGE N	82928246	E 08/25/2014	195546 772,000 122,000 0 550.80	550.80
1WATER- 1 WTR USAGE N	82928246	A 02/26/2014	184931 650,000 32,000 0 128.26	128.26
1WATER- 1 WTR USAGE N	82928246	A 08/23/2013	174372 618,000 96,000 0 410.40	410.40
1WATER- 1 WTR USAGE N	82928246	A 02/25/2013	162730 522,000 20,000 0 94.25	94.25
1WATER- 1 WTR USAGE N	82928246	A 08/24/2012	152209 502,000 147,000 0 653.39	653.39
1WATER- 1 WTR USAGE N	82928246	A 02/27/2012	141652 355,000 15,000 0 81.50	81.50
1WATER- 1 WTR USAGE N	82928246	A 09/01/2011	131227 340,000 72,000 0 258.95	258.95
1WATER- 1 WTR USAGE N	82928246	A 03/01/2011	120599 268,000 11,000 0 72.10	72.10
1WATER- 1 WTR USAGE N	82928246	A 08/24/2010	110272 257,000 82,000 0 302.45	302.45
1WATER- 1 WTR USAGE N	82928246	A 03/02/2010	99942 175,000 28,000 0 86.00	86.00
1WATER- 1 WTR USAGE N	82928246	A 08/25/2009	89777 147,000 83,000 0 272.50	272.50
1WATER- 1 WTR USAGE N	82928246	A 02/24/2009	79648 64,000 7,000 0 60.00	60.00
1WATER- 1 WTR USAGE N	82928246	A 08/26/2008	69654 57,000 16,000 0 62.00	102.00
1WATER- 1 WTR USAGE N	82928246	A 02/27/2008	59853 41,000 7,000 0 50.00	90.00
1WATER- 1 WTR USAGE N	82928246	A 09/07/2007	50006 34,000 34,000 0 87.65	167.65
1WATER- 1 WTR USAGE N	82928246	A 03/01/2007	40229 0 0 0 50.00	50.00
1WATER- 1 WTR USAGE N	82928246	I 01/29/2007	0 21,000 0 0 .00	.00
1WATER- 1 WTR USAGE P	008033867500	A 09/01/2006	30459 21,000 1,000 0 50.00	50.00
1WATER- 1 WTR USAGE P	008033867500	A 02/27/2006	20782 20,000 20,000 2,000 62.25	87.25
1WATER- 1 WTR USAGE A	002092	I 12/16/2005	0 140,000 2,000 0 .00	.00
1WATER- 1 WTR USAGE A	002092	A 09/02/2005	11169 138,000 3,000 0 50.00	75.00
1WATER- 1 WTR USAGE A	002092	A 03/16/2005	2092 135,000 1,000 0 50.00	50.00
1WATER- 1 WTR USAGE A	9020871	A 09/24/2004	9020871 134,000 5,000 0 50.00	50.00
1WATER- 1 WTR USAGE A	9020870	A 03/09/2004	9020870 129,000 0 0 50.00	50.00
1WATER- 1 WTR USAGE A	9020869	A 09/26/2003	9020869 129,000 9,000 0 50.00	50.00
1WATER- 1 WTR USAGE A	9020868	A 03/26/2003	9020868 120,000 0 0 25.00	25.00
1WATER- 1 WTR USAGE A	9020867	A 10/04/2002	9020867 120,000 2,000 0 25.00	25.00
1WATER- 1 WTR USAGE A	9020866	A 05/06/2002	9020866 118,000 2,000 0 25.00	25.00
1WATER- 1 WTR USAGE A	9020865	A 11/28/2001	9020865 116,000 8,000 0 25.00	25.00
1WATER- 1 WTR USAGE A	9020864	A 02/13/2001	9020864 108,000 13,000 0 25.00	25.00
1WATER- 1 WTR USAGE A	9020863	A 08/03/2000	9020863 95,000 0 0 25.00	25.00
1WATER- 1 WTR USAGE A	9020862	A 04/21/2000	9020862 95,000 15,000 0 25.00	25.00

** END OF REPORT - Generated by Tracey **

05/20/2020 14:16
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TOWN OF HARWICH - LIVE DATA
ACCOUNT SUMMARY

P 1
ubacthst

AR Category: 60

Form Type: A ACCOUNT DETAIL

Account # Location	Customer Name	Date	Bill#	P	Service #	Type	Parcel	Interest Due		Ending Balance	Total Due	
								Curr	Read #	Usage		Amount
02092 103	GREY NECK RD	302071								.00	1337.56	1337.56
		04/17/2020	354494		WH MA 02671	Charge	11/W1-2A-R					
		03/18/2020	344181		1WATER-001	Adj		651000	15000		63.87	28.87
		01/18/2020	344181		1WATER-001	Pmt Pr	BANK XFER				-35.00	
		01/09/2020	344181		1WATER-001	Charge		636000	15000		35.00	184.82
		03/18/2020	333724		1WATER-001	Adj					-35.00	
		10/16/2019	333724		1WATER-001	Pmt Pr	BANK XFER				-35.00	
		10/04/2019	333724		1WATER-001	Charge		621000	50000		35.00	184.82
		03/18/2020	323355		1WATER-001	Adj					-35.00	
		07/11/2019	323355		1WATER-001	Pmt Pr	BANK XFER				-35.00	
		06/28/2019	323355		1WATER-001	Charge		571000	50000		35.00	

** END OF REPORT - Generated by Tracey **

Abatement Application: 745 Main Street

Form Name: Abatement Application

Date of Submission: Sat, 09 May 2020 15:08:18 -0400

Your server: www.harwichwater.com

IP address of person using form: 73.149.106.242

URL of page containing form: <http://www.harwichwater.com/customer-service/billing-payments/abatement-application.html>

Name of Applicant:

Mailing Address:

City/Town:

State: Massachusetts

Zip/Postal Code:

Phone Number:

Email Address:

Date of Water Use Charge: 30 March 2020

Name of Person Assessed (Owner):

Location and Description of Property: Single Family Home

745 Main Street, Harwich, MA

Total Amount Assessed: 10452.90 ~ (1,839,000 gallons)

Total Amount Requested: 10373.52

If request is for Water Usage, what is the requested amount?: 1,820,000

Reason For Abatement Request: There was a water leak. None of this additional water was used. All of the water went back into the watershed. We respectfully request your consideration for this abatement.

SUBSCRIBED THIS DAY UNDER PENALTIES OF PERJURY: 9 May 2020

AGREE?: Checked

RECOMMENDATION: APPROVE DENY

BOARD OF WATER COMMISSIONERS

DATE

SIGNATURE

Accounts

Account: 00363

745 MAIN ST.

5/11/20 ABATEMENT REQUEST RECEIVED. / RELAYED THAT WE WILL EMAIL NEXT BOWC MEETING DATE WHEN IT BECOMES AVAILABLE
 2/19/20 OWNER CALLED TO ASK ABOUT NEXT STEPS FOR PLUMBING WORK. CALL PASSED TO STEVE H. / LEFT MESSAGE FOR OWNER TO DISCUSS METER READING. WM / TALKED WITH OWNER ABOUT HIGH READING SO THAT SHE IS AWARE WHEN WE BILL. SHE MIGHT REACH OUT TO HER INSURANCE COMPANY. WM

2/18/20 TECH DISCOVERED A MAJOR LEAK. CRAWL SPACE WAS FILLED WITH WATER UPON ARRIVAL. AFTER CURB WAS UNEARTHED FROM BEING PAVED IT WAS PUMPED OUT, THE TECH NOTICED THE METER SPINNING FROM A LEAKING PRESSURE REDUCER. CURB STOP HAD TO BE CUT OUT. TECH CHANGED METER AND TURNED MASTER VALVE OFF. 220090 O. OWNER, DANA M. AND STEVE H. WERE ON SITE. READ: 220090.0. METER SAVED IN OFFICE

2/11/20 SET FOR 2/18 PM.
 2/10/20 SENT EMAIL FOR METER. WM

1/9/20 TROUBLE READING
 10/1/19 TROUBLE READING
 6/28/16 CHECK IN THE AMOUNT OF \$335.86 ARRIVED FROM DUBIN & REARDON FOR CLOSING. CHECK IS BACK IN MAIL TO THEM IN HOPES A NEW CHECK CAN BE CUT FOR \$51.29. TA

6/7/16 FINAL READ 014900
 6/1/16 FINAL READ REQUEST. TA
 11/19/13 BALANCE TRANSFERRED TO TAX/LIEN \$160.84

1/4/13 C/O BAD HEAD 0720880
 10/1/12 WE NEED TO CHANGE METER HEAD. LEFT MESSAGE. WM

8/17/11 INSTALLED RADIO 0655

DATE	CODE	READING	USAGE	AMOUNT	BALANCE
05/31/2005	1			81.95-	.00
04/14/2005	10	181000	32000	81.95	81.95
11/29/2004	1			167.45-	.00
10/14/2004	10	149000	62000	167.45	167.45
05/17/2004	1			107.60-	.00
04/08/2004	10	87000	41000	107.60	107.60
11/25/2003	1			42.65-	.00
10/22/2003	65			50.00	42.65
10/22/2003	10	46000	25000	67.50	7.35-
08/26/2003	1			75.00-	74.85-
06/04/2003	1			35.35-	.15
04/28/2003	10	21000	21000	35.50	35.50
12/05/2002	1			25.00-	.00
11/01/2002	10	65000	15000	25.00	25.00
06/14/2002	1			94.30-	.00
06/03/2002	10	50000	52000	94.30	94.30
04/10/2002	1			46.30-	.00
01/29/2002	10	1047000	27000	46.30	46.30
04/03/2001	1			57.70-	.00
02/13/2001	10	1020000	33000	57.70	57.70
09/18/2000	1			208.35-	.00
08/03/2000	10	987000	28000	48.20	208.35
04/21/2000	10	959000	57000	105.05	160.15
10/23/1999	100			55.10	55.10



05/20/2020 14:32
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TOWN OF HARWICH - LIVE DATA
UB Consumption History Report

P 1
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Account Number Service	Customer # Name Mfr Meter Number	Cd	Read Date	Time	Parcel By	Bill #	Curr Read	Location Usage Repl Usage	Charge Amt	Status Billed Amt	
00363	96792				41/S1-2-R			745 MAIN ST		Active	
1WATER-	1 WTR USAGE E 39087899	A	03/30/2020			352769	2,000	2,000	1837,000	10,452.90	10,452.90
1WATER-	1 WTR USAGE I 02/18/2020	I	02/18/2020			0	2200,000	1837,000	0	.00	.00
1WATER-	1 WTR USAGE N 77350880	E	01/09/2020			342456	363,000	19,000	0	79.67	79.67
1WATER-	1 WTR USAGE N 77350880	E	10/04/2019			331999	344,000	30,000	0	123.12	123.12
1WATER-	1 WTR USAGE N 77350880	A	06/21/2019			321630	314,000	8,000	0	45.32	45.32
1WATER-	1 WTR USAGE N 77350880	A	04/01/2019			311104	306,000	15,000	0	63.87	63.87
1WATER-	1 WTR USAGE N 77350880	A	12/28/2018			300764	291,000	11,000	0	53.27	53.27
1WATER-	1 WTR USAGE N 77350880	A	09/28/2018			290276	280,000	31,000	0	127.07	127.07
1WATER-	1 WTR USAGE N 77350880	A	06/27/2018			279991	249,000	23,000	0	60.47	60.47
1WATER-	1 WTR USAGE N 77350880	A	03/05/2018			269329	226,000	25,000	0	115.85	115.85
1WATER-	1 WTR USAGE N 77350880	A	09/05/2017			258543	201,000	31,000	0	133.05	133.05
1WATER-	1 WTR USAGE N 77350880	A	03/06/2017			247677	170,000	7,000	0	79.03	79.03
1WATER-	1 WTR USAGE N 77350880	A	09/06/2016			236881	163,000	14,000	0	88.06	88.06

** END OF REPORT - Generated by Tracey **



05/20/2020 14:33
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TOWN OF HARWICH - LIVE DATA
ACCOUNT SUMMARY

P 1
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AR Category: 60

Form Type: A ACCOUNT DETAIL

Account # Location	Customer Name	Date	Bill#	P	Service #	Type	Parcel	Interest Due Curr Read # Usage	Ending Balance Amount	Total Due
00363 745	MAIN ST	96792								
		04/17/2020	352769		HA MA 02645	Charge	41/S1-2-R		10452.90	10452.90
		02/19/2020	342456		1WATER-001	Pmt Pr	CHECK	2000 1839000	10452.90	
		01/09/2020	342456		1WATER-001	Charge		Chk/Ref # 256921	-79.67	
		11/08/2019	331999		1WATER-001	Pmt Pr	CHECK	363000 19000	79.67	
		10/04/2019	331999		1WATER-001	Charge		Chk/Ref # 255378	-123.12	
		08/05/2019	321630		1WATER-001	Pmt Pr	CHECK	344000 30000	123.12	
		06/28/2019	321630		1WATER-001	Charge		Chk/Ref # 254067	-45.32	
								314000 8000	45.32	

** END OF REPORT - Generated by Tracey **

Abatement Application - 12 Union St

Form Name: Abatement Application

Date of Submission: Mon, 18 May 2020 13:05:37 -0400

Your server: www.harwichwater.com

IP address of person using form: 73.69.20.81

URL of page containing form: <http://www.harwichwater.com/customer-service/billing-payments/abatement-application.html>

Name of Applicant:

Mailing Address:

City/Town:

State: Massachusetts

Zip/Postal Code:

Phone Number: (

Mobile Phone Number: (

Email Address:

Date of Water Use Charge: 18 May 2020

Name of Person Assessed (Owner):

Location and Description of Property: 12 Union St. Harwich Port 02645

Total Amount Assessed: 135.00

Total Amount Requested: 135.00

If request is for another reason, what is the requested amount?: 50.00

Reason For Abatement Request: The lock box was located on my deck, but the Harwich Water employee was unable to retrieve the key because my deck had been removed. I was having work done on my deck and due to the crisis unable to get to my house. When I was made aware that my deck

SUBSCRIBED THIS DAY UNDER PENALTIES OF PERJURY: 18 May 2020

AGREE?: Checked

RECOMMENDATION: APPROVE DENY

BOARD OF WATER COMMISSIONERS

DATE

SIGNATURE

_____	_____
_____	_____
_____	_____

Accounts

Account: 00871

12 UNION ST

5/18/20 ABATEMENT REQUEST RECEIVED FOR REVIEW AT MEETING OF 5/22. TA
5/18/20 ONWER WAS NOT AWARE THAT CONTRACTOR HAD REMOVED LOCK BOX. HE WILL FILE
FOR AN ABATEMENT. WM
4/21/20 on, 0061650
4/16/20 SENT EMAIL TO TRY AND GET UPDATED ACCESS DETAILS SO WE CAN PUT SLIP BACK
IN QUEUE. / OWNER EMAILED BACK. PUT SLIP BACK IN QUEUE. / EMAIL WHEN ON.

4/9/20 Deck has been removed , no lock box anymore / CALLED AND L/M FOR CALL
BACK RE: ACCESS DETAILS. SO-23973 MARKED IN PROGRESS / REMOVE ABOVE NOTE AND
UPDATE ACCESS WHEN THEY CALL BACK

4/8/20 TURN ON REQUEST. TA

12/5/19 Off, 0061650
12/20/18 LEFT ANOTHER MESSAGE & SENT EMAIL. WM
12/11/18 Off at street, can't find a lock box ? / CALLED AND L/M. SO-19951
MARKED IN PROGRESS UNTIL FURTHER DIRECTION IS GIVEN. TA

12/4/18 TURN OFF PER JOHN GOUGH

4/20/18 on 0055640
4/11/18 TURN ON PER JOHN GOUGH. TA

11/27/17 off 0055640
11/16/17 TURN OFF REQUEST PER JOHN GOUGH. TA
4/5/17 Oip:0053000
4/3/17 TURN ON PER JOHN GOUGH. TA

12/1/16 005300 o off
11/28/16 TURN OFF REQUEST PER JOHN GOUGH. TA
4/1/16 OFF. 0017610
3/25/16 TURN ON PER JOHN GOUGH. TA

12/30/15 OFF 0017610
12/3/15 SENT E-MAIL. UPDATED ACCOUNT TO SEASONAL. RETURNING SEASONAL PER
PLUMBER, GIVE TO BILLING. TA
11/25/15 TURN OFF ASAP PER JOHN GOUGH. L/M FOR OWNER TO MAKE SURE ACCESS IS
STILL THE SAME AND RELAY INFO. PERTAINING TO CHARGES. TA

11/18/14 CONFIRMED MAILING ADDRESS. WM
5/7/14 INFORMED OWNER THAT THERE WAS NEVER A TURN OFF REQUEST RECEIVED THIS YEAR
FOR SEASONAL. TA
2/18/14 REMOVED AS SEASONAL. CREDIT WILL BE MADE FOR FALL CHARGE. WM

4/3/13 ON/SEASONAL
4/1/13 SEASONAL ON REQUESTED BYJOHN GOUGH BY 4/15.AB
1/10/13 OFF/SEASONAL 006900 BOX & KEY INSTALLED

1/7/13 RECEIVED KEY & LOCKBOX FORM. CUSTOMER DIDN'T CHOOSE LOCKBOX COMBO.
EMAILED HIM ASKING FOR ONE.AB
1/4/13 SENT FOLLOW UP EMAIL.AB

12/12/12 CUSTOMER CALLED TO CONFIRM SEASONAL. EMAILED LB FORM TO HIM. HE WILL
SEND BACK WITH KEY.AB
11/30/12 SEASONAL OFF REQUESTED BY JOHN GOUGH. CALLED CUSTOMER . SHE SAID SHE



05/20/2020 14:39
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TOWN OF HARWICH - LIVE DATA
ACCOUNT SUMMARY

P 1
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AR Category: 60

Form Type: A ACCOUNT DETAIL

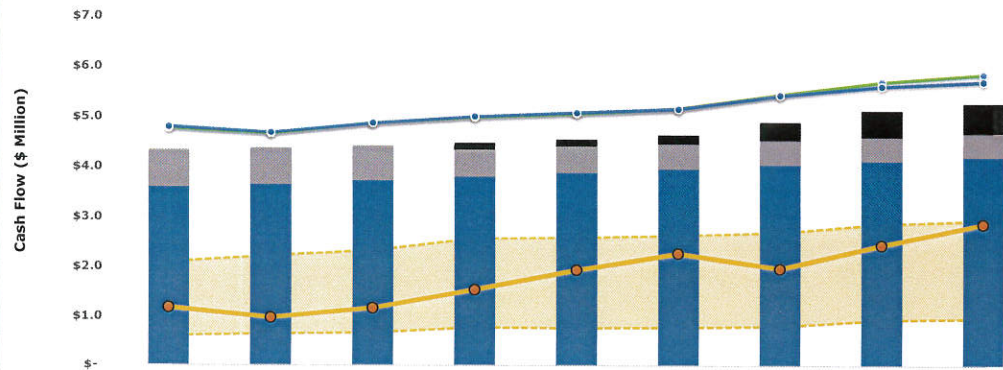
Account # Location	Customer Name	Date	Bill#	P	Service #	Type	Parcel	Interest Due Curr Read #	Usage	Ending Balance Amount	Total Due
00871 12	UNION ST	300864									
		04/27/2020	362547		HP MA 02645	Charge	6B/L101-R			.00	135.00
		04/17/2020	353277		MISAPP-001	Charge				50.00	
		04/17/2020	353277		3SEASN-001	Charge				50.00	
		01/23/2020	342964		1WATER-001	Charge		61000		35.00	
		01/09/2020	342964		1WATER-001	Pmt Pr	BANK XFER			-35.00	
		10/22/2019	332507		1WATER-001	Charge		61000		35.00	
		10/22/2019	332507		3SEASN-001	Pmt Pr	BANK XFER			-50.00	
		10/04/2019	332507		1WATER-001	Pmt Pr	BANK XFER			-38.87	
		10/04/2019	332507		3SEASN-001	Charge				50.00	
		07/16/2019	322138		1WATER-001	Charge		61000	3000	38.87	
		06/28/2019	322138		1WATER-001	Pmt Pr	BANK XFER			-35.00	
					1WATER-001	Charge		58000		35.00	

** END OF REPORT - Generated by Tracey **

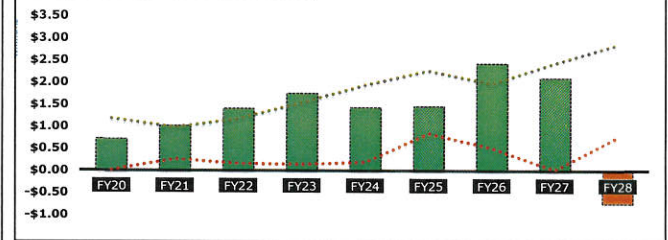
Proposed Rate Structure
Alternative A

REVENUE Alternative A	Actual & Proj		Projection							
	FY19	FY20	FY21	FY22	FY23	FY24	FY25	FY26	FY27	FY28
Base Rate		0.0%	2.5%	2.5%	2.5%	2.5%	3.0%	2.5%	3.0%	3.0%
Tier 1		\$35.00	\$43.00	\$43.00	\$43.00	\$43.00	\$43.00	\$48.00	\$50.00	\$50.00
Tier 2		\$1.32	\$1.35	\$1.38	\$1.42	\$1.45	\$1.49	\$1.53	\$1.57	\$1.62
Tier 3		\$2.70	\$2.77	\$2.84	\$2.91	\$2.98	\$3.06	\$3.13	\$3.23	\$3.33
Tier 4		\$4.03	\$4.13	\$4.23	\$4.34	\$4.45	\$4.56	\$4.67	\$4.81	\$4.96
Tier 4		\$5.83	\$5.98	\$6.13	\$6.28	\$6.44	\$6.60	\$6.77	\$6.97	\$7.18
Rate Revenue	\$3,886,554	\$4,042,843	\$3,940,657	\$4,129,112	\$4,261,146	\$4,335,040	\$4,411,027	\$4,687,140	\$4,863,407	\$4,960,796
Non-Rate Revenue	\$267,077	\$746,933	\$735,273	\$735,273	\$735,273	\$735,273	\$735,273	\$735,273	\$735,273	\$735,273
TOTAL REVENUE Alternative A	\$4,293,626	\$4,789,776	\$4,675,930	\$4,864,385	\$4,996,419	\$5,070,313	\$5,146,300	\$5,422,413	\$5,598,680	\$5,696,069
Delta previous	\$144,029	\$346,289	-\$102,186	\$188,456	\$132,034	\$73,894	\$75,987	\$276,113	\$176,267	\$87,389
Retained Earnings Contribution Goal		\$433,387	\$436,779	\$442,374	\$499,642	\$507,031	\$514,630	\$542,241	\$559,868	\$569,607
REVENUE GOAL		\$4,767,252	\$4,659,564	\$4,866,119	\$4,981,246	\$5,056,129	\$5,155,082	\$5,440,082	\$5,687,756	\$5,840,380
Surplus/Shortfall		\$22,524	\$16,366	-\$1,734	\$15,173	\$14,184	-\$8,782	-\$17,668	-\$89,076	-\$144,311
Net Revenue (Revenue-Expense)	\$220,974	\$205,911	\$308,145	\$440,641	\$514,815	\$521,216	\$505,848	\$524,573	\$470,792	\$425,296
Retained Earning Expenses		\$0	\$250,000.00	\$145,000	\$125,000	\$175,000	\$825,000	\$500,000	\$0	\$750,000
Retained Earnings Balance	\$98,811	\$1,169,744	\$968,833	\$1,159,474	\$1,529,289	\$1,925,505	\$2,256,353	\$1,955,926	\$2,426,718	\$2,852,015
Retained Earnings as Percent of Operating Expenses	29%	33%	27%	31%	40%	50%	57%	49%	59%	68%
Target retained earnings balance	\$768,553	\$768,553	\$758,288	\$768,874	\$793,751	\$923,926	\$954,405	\$905,193	\$821,297	
Operating ratio	1.33	1.33	1.28	1.31	1.32	1.31	1.30	1.35	1.36	
Operating ratio lower boundary	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	
Operating ratio upper boundary	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
Debt Service Coverage Ratio	1.21	1.43	1.63	1.75	1.77	1.73	1.73	1.60	1.46	
Days cash on hand	119	97	114	147	182	209	177	216		
Rate Funded Capital Analysis	FY19	FY20	FY21	FY22	FY23	FY24	FY25	FY26	FY27	FY28
Shifted Retained Earnings (2 years)	\$968,833	\$968,833	\$1,159,474	\$1,529,289	\$1,925,505	\$2,256,353	\$1,955,926	\$2,426,718	\$2,852,015	\$0
Rate Funded Capital (from above)	\$250,000	\$250,000	\$145,000	\$125,000	\$175,000	\$825,000	\$500,000	\$0	\$750,000	\$750,000
Net Funding Available	\$718,833	\$718,833	\$1,014,474	\$1,404,289	\$1,750,505	\$1,431,353	\$1,455,926	\$2,426,718	\$2,102,015	(\$750,000)

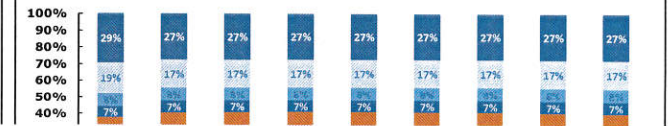
Proforma - Alternative A



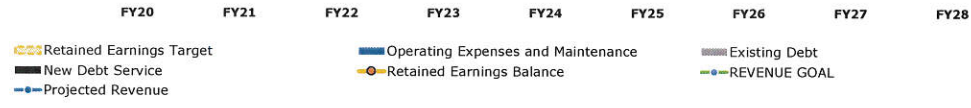
Funding for Rate Funded Capital



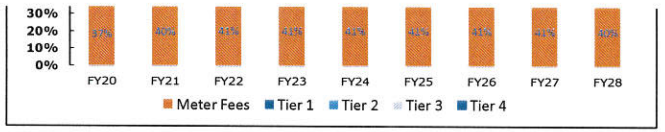
Revenue Distribution



2020 Water Rate Model



Harwich Water Department



Dan Pelletier

From: Liz Argo <largo@cvecinc.org>
Sent: Wednesday, March 11, 2020 9:51 AM
To: Mahoney, Dan; Dan Pelletier
Cc: Ken Vancisin
Subject: Time for the Witness Test for the Nexamp project

Good Morning!

Excellent news. Eversource is ready to turn on Nexamp 2/3! Can you both send me the latest charting of your usage account by account using kWh? Dan M, we'll need this for Sandwich Water and Upper Cape Water too.

It is last minute, I know. Eversource sprang it on us and we don't want to give Eversource any excuse for a delay. So if this is too tall an order for Thursday at the latest, please let me know so we can figure out a work around if needed.

FYI, Ken (copied here) is working on this at CVEC with me.

Thank You,

Liz

Liz Argo
Executive Director



#

Cape & Vineyard Electric Cooperative, Inc.
23H2 White's Path, Suite 2
South Yarmouth, MA 02664
774-722-1812 (cell)

05/20/2020 12:30
scummings

TOWN OF HARWICH - LIVE DATA
FY20 BUDGET REPORT

Q3 O&M BUDGET UPDATE

P 1
glytdbud

FOR 2020 13

ACCOUNTS FOR: 1320 WATER ENTERPRISE FUND	ORIGINAL APPROP	TRANFRS/ ADJSTMTS	REVISED BUDGET	YTD ACTUAL	ENCUMBRANCES	AVAILABLE BUDGET	PCT USED
1320 WATER ENTERPRISE FUND							
1320 596000 OFUS	720,295	0	720,295	720,295.00	.00	.36	100.0%
TOTAL WATER ENTERPRISE FUND	720,295	0	720,295	720,295.00	.00	.36	100.0%
13204501 WATER ENTERP SALARIES & WAGES							
13204501 511100 SALARIES ELECTE	3,000	0	3,000	2,500.02	.00	499.98	83.3%
13204501 511900 SALARIES & WAGE	1,036,100	0	1,036,100	862,328.75	.00	173,771.25	83.2%
13204501 512000 SEASONAL S&W	43,947	0	43,947	18,768.75	.00	25,178.25	42.7%
13204501 512500 COMPENSATORY TI	0	0	0	1,108.46	.00	-1,108.46	100.0%*
13204501 512501 STIPEND	0	0	0	1,076.84	.00	-1,076.84	100.0%*
13204501 513000 OVERTIME	181,226	0	181,226	170,997.10	.00	10,228.90	94.4%
13204501 513060 FLUSHING OT	35,000	0	35,000	.00	.00	35,000.00	.0%
13204501 514000 LONGEVITY	34,700	0	34,700	28,796.36	.00	5,903.64	83.0%
13204501 515000 VACATION SALARI	0	0	0	8,876.38	.00	-8,876.38	100.0%*
13204501 515005 SICK LEAVE BUY-	0	0	0	6,956.85	.00	-6,956.85	100.0%*
13204501 515007 SICK LEAVE BONU	3,500	0	3,500	1,442.80	.00	2,057.20	41.2%
TOTAL WATER ENTERP SALARIES & WAGES	1,337,473	0	1,337,473	1,102,852.31	.00	234,620.69	82.5%
13204502 WATER ENTERPRISE FUND EXP							
13204502 517900 OTHER FRINGE BE	8,250	0	8,250	6,504.64	.00	1,745.36	78.8%
13204502 521100 ELECTRIC UTILIT	336,404	0	336,404	259,910.31	.00	76,493.69	77.3%
13204502 521200 GAS UTILITY	10,011	0	10,011	6,362.98	.00	3,648.02	63.6%
13204502 524140 VEHICLE/EQUIPME	62,500	0	62,500	29,222.88	.00	33,277.12	46.8%
13204502 524160 BUILDING & GROU	45,000	0	45,000	15,279.98	.00	29,720.02	34.0%
13204502 525000 TECHNICAL SUPPO	24,700	0	24,700	23,100.18	.00	1,599.82	93.5%
13204502 526000 BUILDING MAINT	9,650	0	9,650	6,988.85	.00	2,661.15	72.4%
13204502 530800 LABORATORY SERV	22,500	0	22,500	6,285.00	.00	16,215.00	27.9%
13204502 530820 PROFESSIONAL SE	100,000	0	100,000	14,106.21	.00	85,893.79	14.1%
13204502 530875 PRINTING SERVIC	23,000	0	23,000	8,379.49	.00	14,620.51	36.4%
13204502 534100 ADVERTISING	1,500	0	1,500	776.40	.00	723.60	51.8%
13204502 534300 POSTAGE	21,000	0	21,000	16,360.76	.00	4,639.24	77.9%
13204502 534400 TELEPHONE	7,700	0	7,700	5,759.23	.00	1,940.77	74.8%
13204502 534430 COMMUNICATION S	15,000	0	15,000	13,086.49	.00	1,913.51	87.2%

05/20/2020 12:30
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TOWN OF HARWICH - LIVE DATA
FY20 BUDGET REPORT

Q3 O&M BUDGET UPDATE

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glytdbud

FOR 2020 13

ACCOUNTS FOR: 1320 WATER ENTERPRISE FUND	ORIGINAL APPROP	TRANFRS/ ADJSTMTS	REVISED BUDGET	YTD ACTUAL	ENCUMBRANCES	AVAILABLE BUDGET	PCT USED
13204502 541100 PROPANE UTILITY	18,944	0	18,944	13,704.60	.00	5,239.40	72.3%
13204502 542000 OFFICE SUPPLIES	5,900	0	5,900	4,159.68	.00	1,740.32	70.5%
13204502 542013 HARDWARE/SOFTWA	25,924	0	25,924	23,058.78	.00	2,865.22	88.9%
13204502 548100 BULK FUEL	22,702	0	22,702	17,510.60	.00	5,191.40	77.1%
13204502 548200 TREATMENT SUPPL	25,000	0	25,000	17,659.81	.00	7,340.19	70.6%
13204502 548250 TREATMENT CHEMI	145,000	0	145,000	102,797.67	23,351.28	18,851.05	87.0%
13204502 553000 PUBLIC WORKS SU	26,250	0	26,250	9,108.76	.00	17,141.24	34.7%
13204502 553100 METERS/READ DEV	180,000	0	180,000	135,108.55	56,640.45	-11,749.00	106.5%*
13204502 553200 SERVICE INSTALL	43,000	0	43,000	30,970.61	9,422.43	2,606.96	93.9%
13204502 553300 PIPES, VALVES &	90,000	0	90,000	76,178.78	14,531.84	-710.62	100.8%*
13204502 553350 WATER MAIN REPL	35,000	0	35,000	500.00	.00	34,500.00	1.4%
13204502 553500 POLICE DETAILS	57,560	0	57,560	36,647.31	.00	20,912.69	63.7%
13204502 553600 ROAD REPAIRS	33,000	0	33,000	27,766.87	.00	5,233.13	84.1%
13204502 553900 MECHANICAL TANK	10,000	0	10,000	3,990.00	.00	6,010.00	39.9%
13204502 554200 GENERATOR MAINT	8,000	0	8,000	9,658.37	.00	-1,658.37	120.7%*
13204502 554300 WELL REHAB	45,000	0	45,000	3,173.00	.00	41,827.00	7.1%
13204502 558100 UNIFORMS AND SA	5,000	0	5,000	4,132.39	.00	867.61	82.6%
13204502 573000 DUES/SUBSCRIPTI	14,000	0	14,000	13,921.58	.00	78.42	99.4%
13204502 573200 WATER MGMT PERM	7,500	0	7,500	5,943.25	.00	1,556.75	79.2%
13204502 575070 OPEB	50,000	0	50,000	50,000.00	.00	.00	100.0%
13204502 591000 MATURE PRINCIPA	551,039	0	551,039	550,912.57	.00	126.43	100.0%
13204502 591500 INTEREST ON LON	187,595	0	187,595	187,543.68	.00	51.32	100.0%
13204502 591550 ADMIN FEE LT DE	2,468	0	2,468	1,232.06	.00	1,235.94	49.9%
TOTAL WATER ENTERPRISE FUND EXP	2,276,097	0	2,276,097	1,737,802.32	103,946.00	434,348.68	80.9%
13204504 WATER REVENUE ENTERP FUND							
13204504 414600 WATER LIENS COL	-18,644	0	-18,644	-10,412.39	.00	-8,231.61	55.8%*
13204504 417008 PEN & INT WATER	-1,515	0	-1,515	-2,521.02	.00	1,006.02	166.4%
13204504 421100 WATER RATES & S	-4,385,239	0	-4,385,239	-3,415,694.22	.00	-969,544.78	77.9%*
13204504 421200 METERS	-11,052	0	-11,052	-6,357.89	.00	-4,694.11	57.5%*
13204504 421300 SERVICE APPLICA	-2,405	0	-2,405	-1,360.00	.00	-1,045.00	56.5%*
13204504 421400 SERVICE INSTALL	-165,712	0	-165,712	-120,626.78	.00	-45,085.22	72.8%*
13204504 421450 MARKOUT SERVICE	-12,160	0	-12,160	-4,875.00	.00	-7,285.00	40.1%*
13204504 421550 PROPERTY TRANSF	-23,700	0	-23,700	-20,169.06	.00	-3,530.94	85.1%*
13204504 421600 WIRELESS COMMUN	-128,341	0	-128,341	-126,373.22	.00	-1,967.78	98.5%*
13204504 421650 SOLAR REVENUE W	-70,562	0	-70,562	-83,632.54	.00	13,070.54	118.5%
13204504 431100 WATER SERVICE T	-72,488	0	-72,488	-68,139.35	.00	-4,348.65	94.0%*
13204504 433007 LATE FEE	-49,250	0	-49,250	-35,231.05	.00	-14,018.95	71.5%*
13204504 441100 ELECTRICAL SERV	0	0	0	-4,124.28	.00	4,124.28	100.0%
13204504 451100 BACKFLOW INSPEC	-20,440	0	-20,440	-8,547.74	.00	-11,892.26	41.8%*

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TOWN OF HARWICH - LIVE DATA
FY20 BUDGET REPORT

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Q3 O&M BUDGET UPDATE

FOR 2020 13

ACCOUNTS FOR: 1320 WATER ENTERPRISE FUND	ORIGINAL APPROP	TRANFRS/ ADJSTMTS	REVISED BUDGET	YTD ACTUAL	ENCUMBRANCES	AVAILABLE BUDGET	PCT USED
<u>13204504 482001 INVESTMENT REVE</u>	-21,200	0	-21,200	-21,561.62	.00	361.62	101.7%
<u>13204504 484099 WATER MISCELLAN</u>	-54,331	0	-54,331	-36,720.24	.00	-17,610.76	67.6%*
TOTAL WATER REVENUE ENTERP FUND	-5,037,039	0	-5,037,039	-3,966,346.40	.00	-1,070,692.60	78.7%
<u>132045A2 WATER ENTERPRISE ARTICLES EXP</u>							
<u>132045A2 616022 ATM16#22 LOTHRO</u>	0	7,747	7,747	7,746.73	.00	.00	100.0%
<u>132045A2 619015 ATM 19 #15 JOHN</u>	0	64,000	64,000	36,953.00	.00	27,047.00	57.7%
<u>132045A2 619016 ATM 19 #16 PLEA</u>	0	300,000	300,000	.00	.00	300,000.00	.0%
<u>132045A2 619017 ATM 19 #17 T1 M</u>	0	65,000	65,000	.00	.00	65,000.00	.0%
<u>132045A2 619018 ATM 19 #18 2019</u>	0	76,551	76,551	.00	.00	76,551.00	.0%
TOTAL WATER ENTERPRISE ARTICLES EXP	0	513,298	513,298	44,699.73	.00	468,598.00	8.7%
TOTAL WATER ENTERPRISE FUND	-703,174	513,298	-189,876	-360,697.04	103,946.00	66,875.13	135.2%
TOTAL REVENUES	-5,037,039	0	-5,037,039	-3,966,346.40	.00	-1,070,692.60	
TOTAL EXPENSES	4,333,865	513,298	4,847,163	3,605,649.36	103,946.00	1,137,567.73	
PRIOR FUND BALANCE				963,832.70			
CHANGE IN FUND BALANCE - NET OF REVENUES/EXPENSES				360,697.04			
REVISED FUND BALANCE				1,324,529.74			

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TOWN OF HARWICH - LIVE DATA
FY20 BUDGET REPORT

P 1
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Q3 WATER ARTICLES

FOR 2020 13

ACCOUNTS FOR:	1320	WATER	ENTERPRISE FUND	ORIGINAL APPROP	TRANFRS/ ADJSTMTS	REVISED BUDGET	YTD EXPENDED	ENCUMBRANCES	AVAILABLE BUDGET	PCT USED	
132045A2 WATER ENTERPRISE ARTICLES EXP											
		132045A2 616022	ATM16#22	LOTHRO	0	7,747	7,747	7,746.73	.00	.00	100.0%
		132045A2 619015	ATM 19 #15	JOHN	0	64,000	64,000	36,953.00	.00	27,047.00	57.7%
		132045A2 619016	ATM 19 #16	PLEA	0	300,000	300,000	.00	.00	300,000.00	.0%
		132045A2 619017	ATM 19 #17	T1 M	0	65,000	65,000	.00	.00	65,000.00	.0%
		132045A2 619018	ATM 19 #18	2019	0	76,551	76,551	.00	.00	76,551.00	.0%
		TOTAL WATER ENTERPRISE ARTICLES EXP			0	513,298	513,298	44,699.73	.00	468,598.00	8.7%
		TOTAL WATER ENTERPRISE FUND			0	513,298	513,298	44,699.73	.00	468,598.00	8.7%
		TOTAL EXPENSES			0	513,298	513,298	44,699.73	.00	468,598.00	

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TOWN OF HARWICH - LIVE DATA
FY20 BUDGET REPORT
Q3 CAPITAL WATER ARTICLES

P 1
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FOR 2020 13

ACCOUNTS FOR: 0470 WATER CAPITAL PROJECTS	ORIGINAL APPROP	TRANFRS/ ADJSTMTS	REVISED BUDGET	YTD ACTUAL	ENCUMBRANCES	AVAILABLE BUDGET	PCT USED
<hr/>							
0470 WATER CAPITAL PROJECTS							
<u>0470 617024 1724 ATM 17 # 24 WAT</u>	0	400,000	400,000	233,545.60	110,543.00	55,911.40	86.0%
<u>0470 618017 1817 ATM 18 #17 LOWE</u>	0	71,290	71,290	.00	.00	71,289.58	.0%
<u>0470 618018 1818 ATM 18 # 18 ACC</u>	0	18,277	18,277	.00	.00	18,276.53	.0%
TOTAL WATER CAPITAL PROJECTS	0	489,566	489,566	233,545.60	110,543.00	145,477.51	70.3%
TOTAL WATER CAPITAL PROJECTS	0	489,566	489,566	233,545.60	110,543.00	145,477.51	70.3%
TOTAL EXPENSES	0	489,566	489,566	233,545.60	110,543.00	145,477.51	
PRIOR FUND BALANCE				491,008.11			
CHANGE IN FUND BALANCE - NET OF REVENUES/EXPENSES				-233,545.60			
REVISED FUND BALANCE				257,462.51			

Water Enterprise Fund
Q3 BILLING & REVENUE COMPARISON

Q3 BILLING COMPARISON				
	FY19	FY20		
	<u>04/06/19</u>	<u>04/17/20</u>	<u>Delta</u>	
1WATER	503,820.54	487,546.01	-16,274.53	-3.23%
3SEASN	25,500.00	23,350.00	-2,150.00	-8.43%
3STIP	18,836.00	21,233.00	2,397.00	12.73%
1FSPRK	6,370.00	6,370.00		
2RESFR	1,080.00	1,080.00		
Q3 BILLED	555,606.54	539,579.01		
Q3 REVENUE COLLECTION				
	<u>05/07/19</u>	<u>05/07/20</u>		
UNPAID (AGING)	220,918.26	408,542.69		
PAID	334,688.28	131,036.32		
% PAID	60.24%	24.28%		
		<u>05/08/20</u>		
UNPAID (AGING)		381,044.09		
PAID		-381,044.09		
% PAID		-70.62%		
		<u>05/12/20</u>		
UNPAID (AGING)		341,967.28		
PAID		197,611.73		
% PAID		36.62%		
		<u>05/14/20</u>		
UNPAID (AGING)		311,719.03		
PAID		227,859.98		
% PAID		42.23%		
		<u>05/20/20</u>		
UNPAID (AGING)		267,907.97		
PAID		271,671.04		
% PAID		50.35%		

Dan Pelletier

From: patrick otton <p_otton@yahoo.com>
Sent: Thursday, May 14, 2020 8:31 PM
To: Dan Pelletier; Dan Pelletier
Subject: Row Planting

May 14, 2020

Board of Water Commissioners
Harwich Water Department
196 Chatham Road
Harwich, MA 02645

cc: Dan Pelletier, Superintendent

Dear Commissioners,

On Friday, May 8, 2020, coordinated by Paul Sellers, Supervisor, Vegetation Management, 250 plants of 18 different species, purchased by Eversource, were delivered to the Eversource ROW on Harwich Water Department land, Bay Road. This was the culmination of 12 weeks of prior preparatory work done by volunteers coordinated by the core group, Food Forest Initiative (FFI).

This is a demonstrable event, a multiple win-win-win-win:

- A win for Harwich Water Dept, gaining another 300' buffer of passive vegetation management at their public water well heads,
- A win for Eversource in community engagement and support,
- A win for Harwich residents, gaining a productive public walking garden,
- A win for Nature's flora and fauna, with enough to share for all.

Plants included: apple, pear, blueberry, paw paw, chinquapin, hazelnut, nanny berry, beach plum, bush cherry, elderberry, nanking cherry, mulberry, apios, and so on, in an effort to create a sustainable self-maintaining productive garden.

I wish to personally thank you, Harwich Water Department and specifically, Dan Pelletier, for your support of this project without which this project would never had happened. It is a pleasure to work with Dan, congenial and dedicated. And, thank you for the water connection needed until the plants become established. From the 28 volunteers who have physically worked and contributed to the initial success of this project – Thank you! The season is just beginning, I will send you updates as we, the plants, and the season(s) progress. Again, Thank you.

Sincerely,

Patrick Otton

49 Kendrick Rd
Harwich, MA 02645
617-244-2761
p_otton@yahoo.com

Patrick Otton
617-244-2761
p_otton@yahoo.com

From: Paul Sellers <paul.sellers@eversource.com>, Don Fehmel <df@randforfood.com>, Jarry McCarty <jarrym@randforfood.com>

Subject: RE: Rand for Food Forest Initiative project

land,

Here's what EVERSOURCE can supply through our nursery vendors:

Plant stock	Requested quantity	EVERSOURCE Providing	size	cost each	total cost	Notes
Apple rootstock.	10	10	7gal	67	\$670.00	sylvan does have several apple trees in stock - reference their online retail catalog
Pear rootstock.	7	0	7gal	125	\$0.00	sylvan does have several pear trees in stock - reference their online retail catalog
Hazelnut hybrids.	100	100	1gal	11	\$1,100.00	70 in stock, 30 more mid summer
Nanking cherry.	13	0			\$0.00	unavailable
Chinquapin	45	0			\$0.00	unavailable
Prunus maritima	27	27	3gal	19	\$513.00	Beach plum.
Aronia melanocarpa.	27	29	3gal	23.25	\$674.25	Viking
Ceanothus americanus.	27	27	2gal	20	\$540.00	available late spring
Half high blueberry.	130	130	2gal	24.75	\$3,217.50	10 Duke, 15 Bluejay, 10 Bluecrop, 50 Chippewa, 30 Patriot, 50 Northblue
Apios Americana.	30	0			\$0.00	Potato Bean
Paw paw trees.	8	8	3gal	40.5	\$324.00	Asimina Triloba
Nanny berry viburnum.	23	23	2gal	16	\$368.00	viburnum lentago
Plum hybrid.	23	0			\$0.00	
Bush cherries.	20	0			\$0.00	unavailable
Elderberry. 58 propagated by FFI)	58	0			\$0.00	
Dwarf mulberry 'Issai'. 13 propagated by FFI)	13	0			\$0.00	Morus nigra

Please take a look at the online catalog sylvan has to see if the fruiting tree stock would work. <http://sylvannurseries.com/files/2020/01/Retail-2020tsp.pdf> Once we finalize this list I can place an order. We can work on deliver once the plants are in. I'll work on the other wood chip deliver as well.

Thanks,

Paul

From: Rand Burkert <randburkert@gmail.com>
 Sent: Wednesday, March 4, 2020 8:02 PM
 To: Sellers, Paul <paul.sellers@eversource.com>
 Subject: Rand for Food Forest Initiative project

EVERSOURCE IT NOTICE – EXTERNAL EMAIL SENDER ***** Don't be quick to click! *****

Do not click on links or attachments if sender is unknown or if the email is unexpected from someone you know, and never provide a user ID or password. Report suspicious emails by selecting 'Report Phish' or forwarding to SPAMFEEDBACK@EVERSOURCE.COM

From: Rand Burkert <randburkert@gmail.com>
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To: Sellers, Paul <paul.sellers@eversource.com>
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Hi Paul,

Have you had any trouble with plant ordering from our list? Would you need any help from us with that? I am particularly concerned about hazelnuts from Forest Ag, Mark Shepard's nursery; I may have direct connections for those if needed.

Thanks for the wood chips! We are beginning to shape planting beds. It's tough work and there's a lot of it before April. We have public work days on Saturdays, 12:30-5:30 scheduled for March 14 and 28, just for shaping the beds for planting. April public workdays there are the 11th and 25th. Core group members will be there on the other Saturdays and in-between we'll be there as individuals, plugging away with shovels/pickaxes!

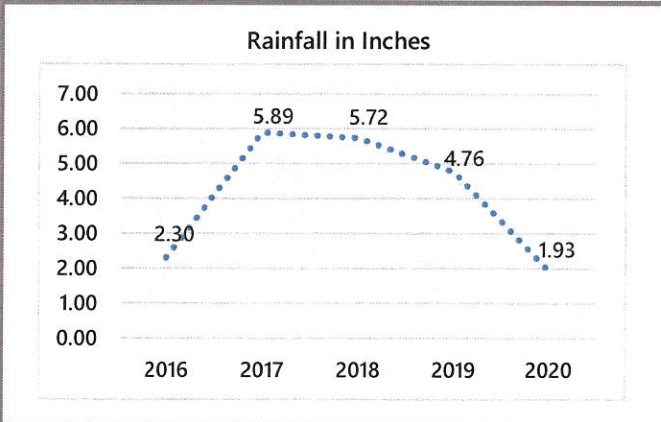
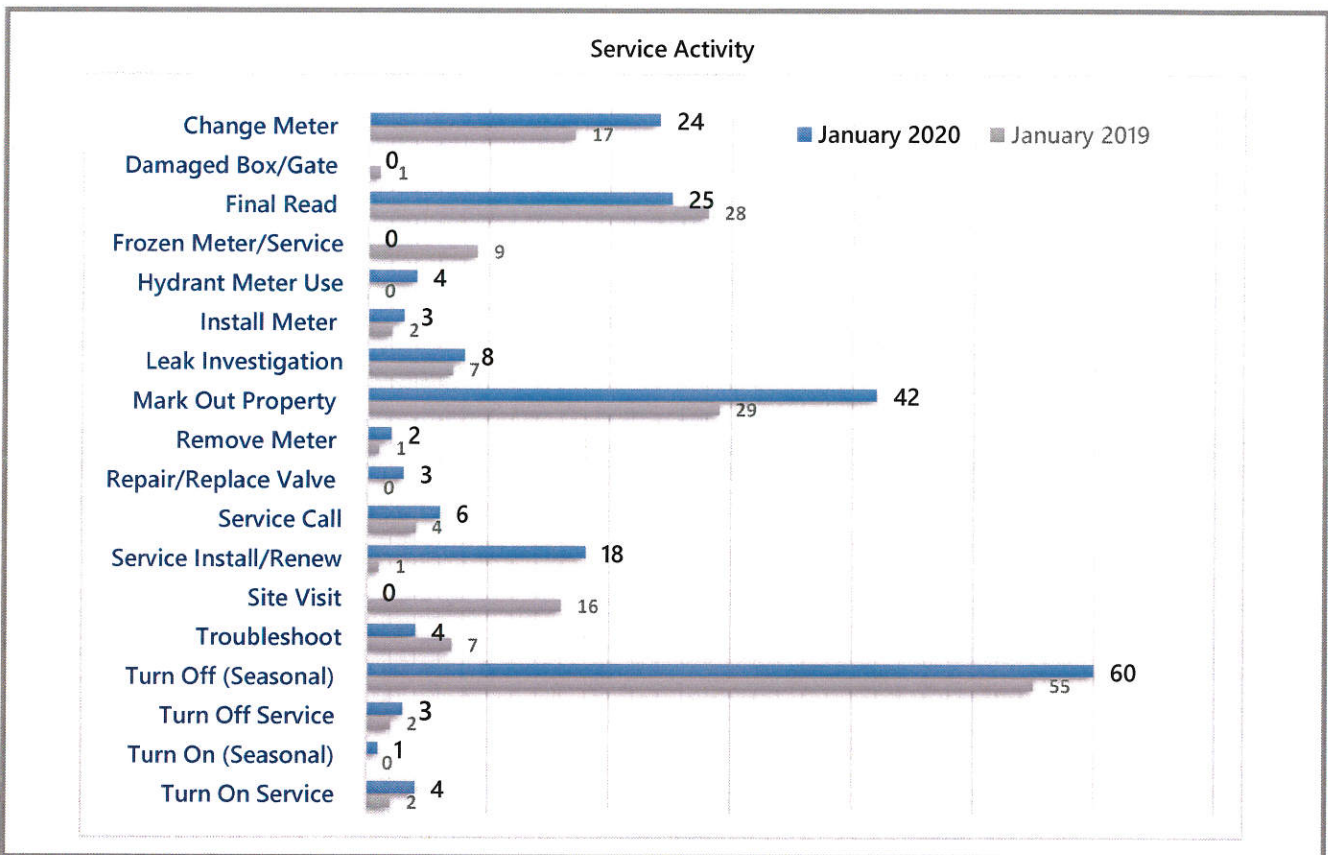
An additional query for wood chips: Nauset High School's teaching garden, restarted last season by FFI in collaboration with Orleans Farmers Market needs two big loads of wood chips to start a forest garden area within its fence this year. Is there any chance of directing a truck or two from your Outer Cape contractors toward the High School in Eastham? Robert B. Our Landscaping Company is already donating a second whole truck of compost, so I hesitate to go to them for wood chips, too. I am going to be there this Saturday morning, March 7 at 8:00-11:00 AM to receive the compost.

If wood chip drop offs would be possible through Eversource, the garden is a fenced area behind the school with a main gate -- a truck can back in, and I could flag the drop-off area.

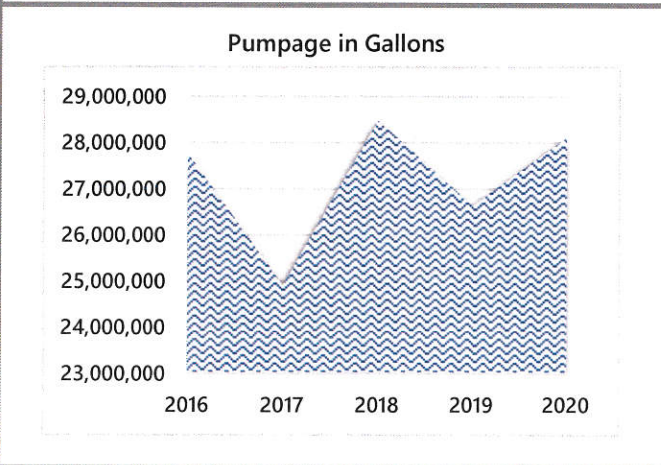
Thanks for all your help!

Rand

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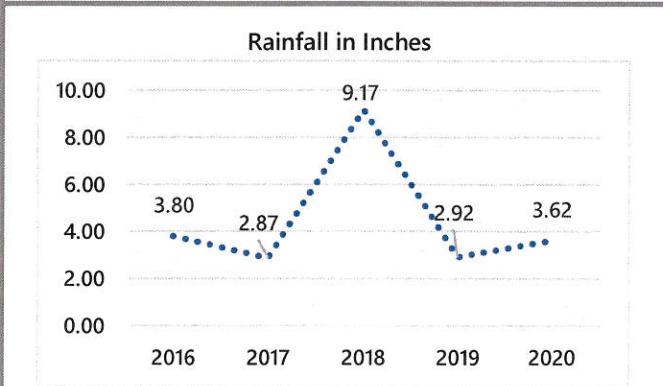
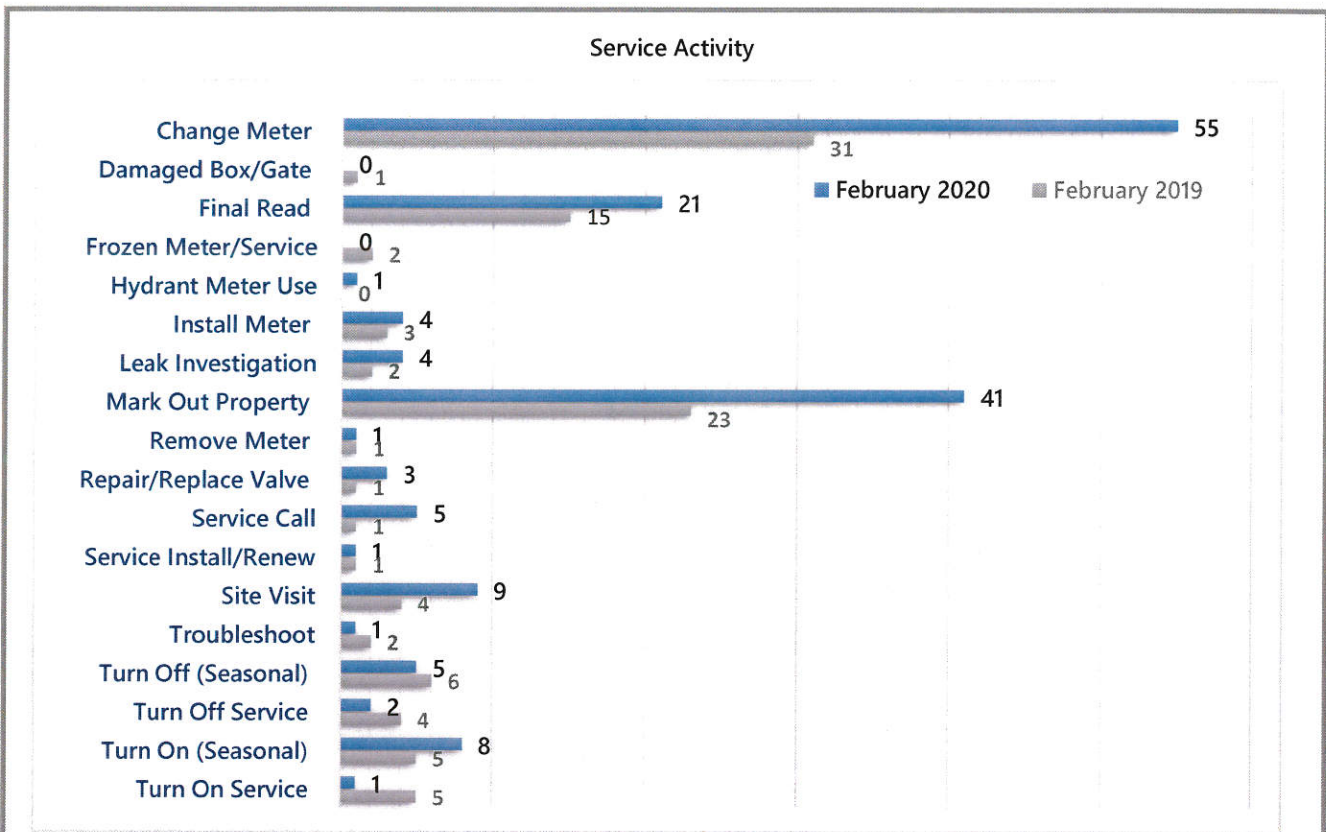
- ### Calendar Activity
- New Year's Day & MLK Holiday's; 1/1 & 1/20
 - WW DHY Meeting; 1/2
 - Stop & Shop WW Coord. Mtg; 1/7
 - WW Funding Mtg; 1/7
 - SW Gate Subd Mtg w/Atty Singer; 1/8
 - WW Harwich/Chatham Coord Mtg; 1/8, 1/28
 - BOWC Meetings; 1/10, 1/21
 - Deposition Prep McKenzie v. Harwich; 1/10
 - WW Weekly Mtg; 1/14, 1/23, 1/28
 - Revenue/Rates Mtg DP/SS; 1/14
 - Court/McKenzie v. Harwich; 1/16
 - Real Estate & Open Space Mtg; 1/17
 - Department Head Mtg; 1/21
 - MVP Grant Pre-Wkshp Mtg; 1/21
 - WW Customer Appts (3)
 - 40B/Chris Wise Mtg; 1/23
 - MMA Annual Mtg; 1/24
 - RTCR Sampling Review; 1/27
 - WW P2 C1 Mtg w/RBO; 1/28
 - WW P2 C1 Progress & C/O Mtgs; 1/28
 - Conference Call W&S & Harwich; 1/29
 - WW Peer Review Workshop; 1/30



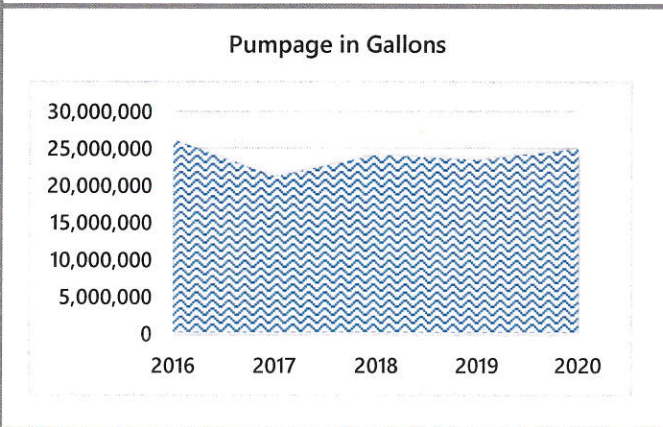
Monthly Pumping Change
-9.47%

YTD Pumping Change
5.58%

Water Samples Taken
36

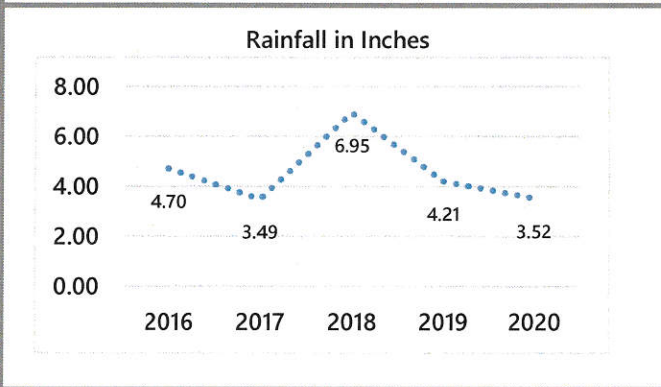
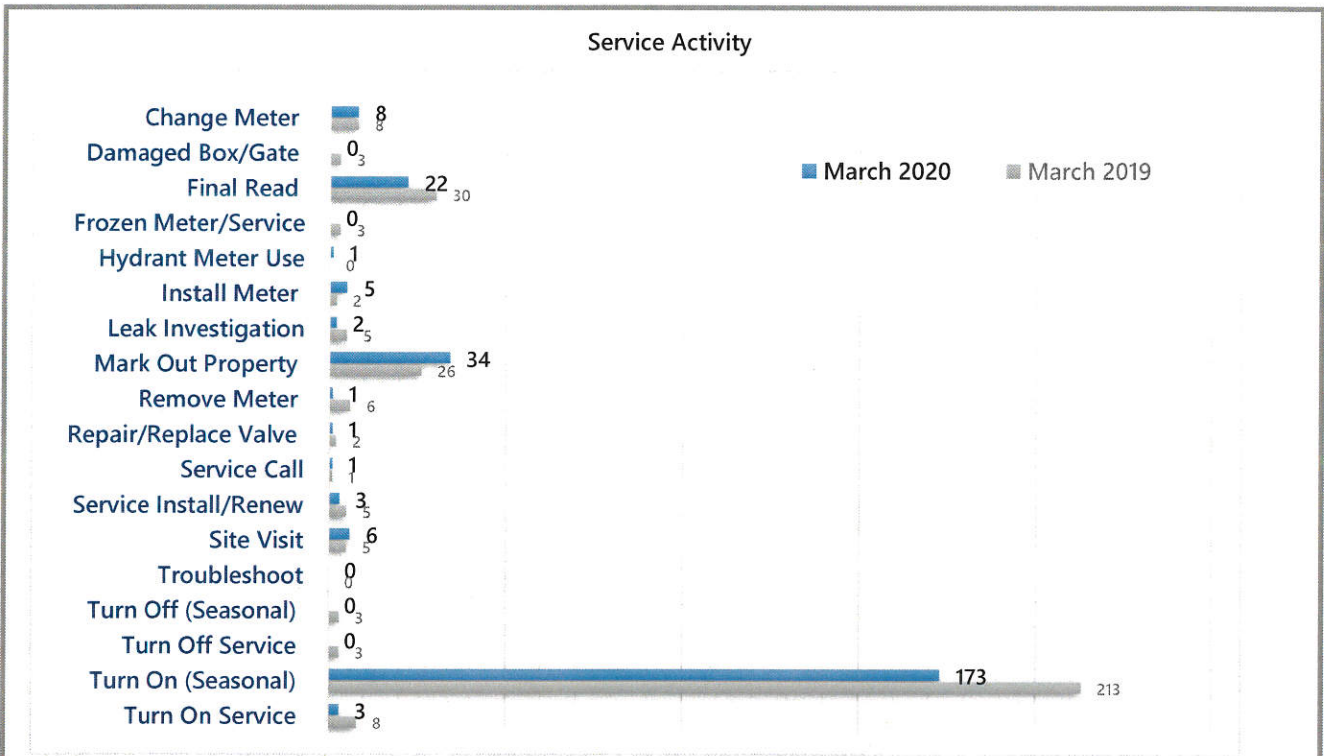


- ### Calendar Activity
- WW Mtg RE Tetra Tech Letter; 2/3
 - BOWC Meetings; 2/5, 2/19
 - WW Customer Appts (3)
 - WW Weekly Meeting; 2/4, 2/11, 2/19, 2/26, 2/27
 - WW Budget Mtg/Duncanson; 2/5
 - WW Budget Mtg/Coppola; 2/6
 - Staff Meeting; 2/13
 - WW DHY Meeting; 2/14, 2/24
 - President's Day; 2/17
 - WW SCADA Meeting; 2/19
 - HWD Women's Group Tour; 2/20
 - Hydra Stop Insertion Valve Presentation; 2/20
 - Department Head Mtg; 2/25
 - Know Your Town; 2/25
 - WW Rephasing Mtg; 2/27
 - Tier II Annual Report; 2/27

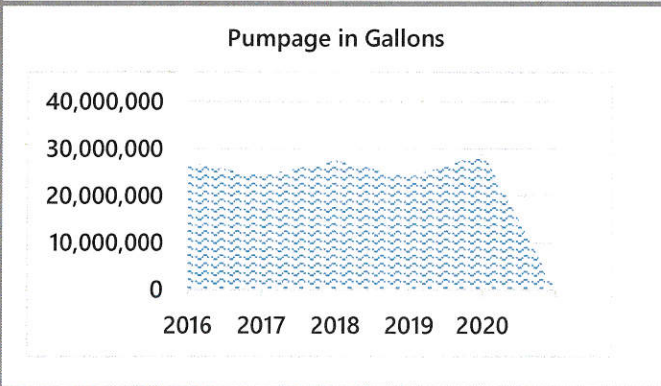


Monthly Pumping Change	YTD Pumping Change
-12.77%	6.01%

Water Samples Taken
70



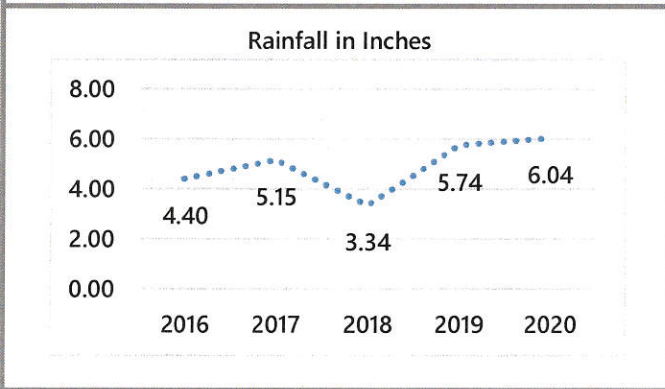
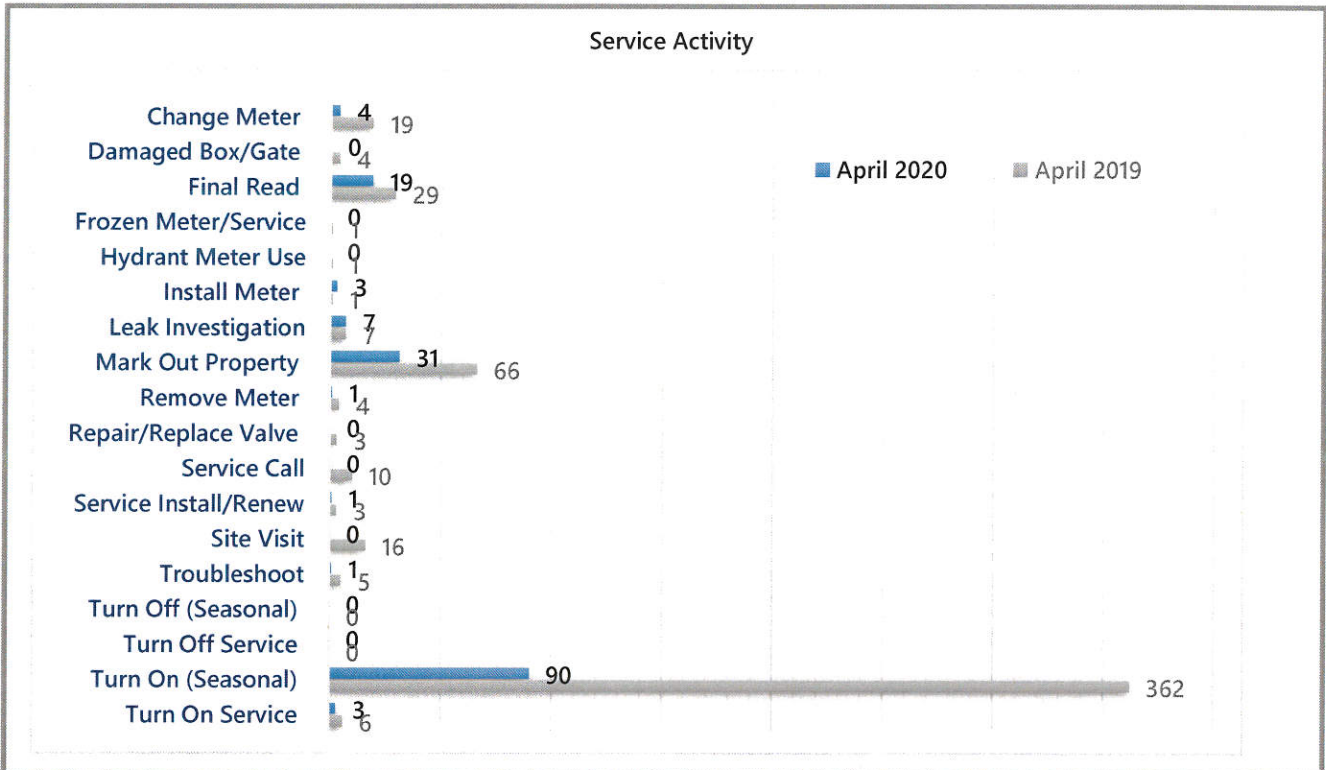
- ### Calendar Activity
- WW Rt 137 Merchant/RBO Mtgs
 - WW Weekly Meetings
 - WW Rt 137 Traffic/RBO Mtg; 3/4
 - BOWC Meetings; 3/6
 - BOS/FinCom Budget Mtg; 3/7
 - WW Proj Coord Mtg/CDM 3/16
 - WW Chat/Har Mtg 3/11
 - WW Peer Review Mtg/CDM 3/12
 - WW Customer Appts (1)
 - COVID/Dept Head Mtg 3/13
 - COVID/Cape Water Suppliers 3/13
 - COVID/MassDEP 3/17
 - COVID/Check In-Out Dept Head Mtgs 3/17-3/31
 - COVID/Remote/Essential Work 3/24-3/31
 - Meter Reading 3/30, 3/31



Monthly Pumping Change
13.96%

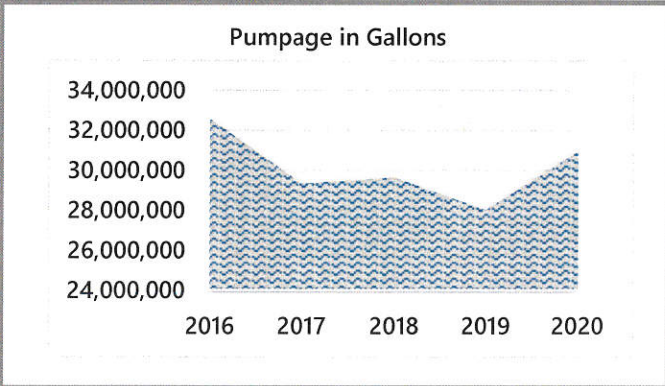
YTD Pumping Change
10.84%

Water Samples Taken
60



Calendar Activity

- COVID/Remote/Essential Work 4/1-4/24
- COVID/Check In-Out Dept Head Mtgs 4/1-4/30
- COVID/Alt Remote/All Work 4/27-4/30
- Patriot's Day Holiday 4/20
- Meter Reading 4/1-4/3
- WW Customer Appts (1)
- Team/Cold Brook Attenuation Mtg 4/15
- BOS/BOWC/Zoom 4/16
- Pleasant Bay Watershed Group Mtg 4/23
- Q3 Billing 4/21
- Consumer Confidence Report Completion



Miscellaneous

- 2019 Consumer Confidence Report
- www.harwichwater.com/ccr

Monthly Pumping Change
6.25%

YTD Pumping Change
10.73%

Water Samples Taken
70

Month/Year April 2020

Monthly Pumpage Report Harwich Water Department

PWS No. 4126000

Date	T1				T2				T3			T10	T11	
	Main 1	Main 2	Main 3	Well 1	Well 2	Well 3	Well 4	Well 5	Well 6	Well 7	Well 8	Well 9	Pump 10	Pump 11
1	83,051	83,641	59,891	149,161	99,880	124,486	182,540	0	0	0	0	0	200,342	0
2	0	0	0	0	0	0	0	144,794	152,662	144,901	151,577	157,142	38,983	159,337
3	80,875	80,806	58,489	144,874	96,824	120,811	177,583	0	0	0	0	0	195,134	0
4	0	0	0	0	0	0	0	149,197	157,478	149,348	156,537	162,098	0	164,477
5	96,947	97,221	70,237	173,435	115,940	141,485	212,422	40,361	42,540	40,554	42,342	43,894	233,891	44,965
6	3,954	4,060	2,928	6,783	4,490	5,478	8,404	115,429	121,636	115,459	120,965	124,397	0	127,103
7	83,929	84,049	60,645	149,874	100,381	124,091	184,426	0	0	0	0	0	202,359	0
8	0	0	0	0	0	0	0	154,103	162,599	154,142	161,576	167,166	0	169,640
9	74,740	75,091	54,162	134,199	89,521	109,468	163,938	16,373	17,163	16,535	17,286	17,836	180,118	18,345
10	0	0	0	0	0	0	0	150,431	158,761	150,600	158,226	163,137	0	165,630
11	120,907	121,317	88,090	214,583	144,315	174,123	265,690	0	0	0	0	0	292,212	0
12	0	0	0	0	0	0	0	110,844	116,905	110,926	116,357	120,231	0	122,100
13	85,319	85,641	61,720	151,973	101,997	123,291	187,234	0	0	0	0	0	205,451	0
14	7,983	8,135	5,915	14,066	9,384	11,320	17,278	142,252	149,821	142,426	149,050	153,403	34,200	125,117
15	83,276	83,416	60,376	147,895	99,479	120,143	182,908	0	0	0	0	0	200,681	0
16	0	0	0	0	0	0	0	155,311	163,898	155,377	163,003	168,569	28,140	170,842
17	57,638	57,517	41,748	102,970	68,684	83,948	126,507	106,451	112,162	106,556	111,377	114,614	139,234	117,202
18	0	0	0	0	0	0	0	119,747	126,270	119,807	125,612	129,913	0	131,707
19	53,023	53,040	38,496	94,932	63,378	80,000	116,069	65,544	69,039	65,495	68,763	71,232	127,820	72,381
20	46,486	46,267	33,553	83,219	55,188	68,470	101,754	89,458	94,278	89,349	93,772	96,494	112,214	98,546
21	73,609	73,746	53,471	132,437	88,287	111,303	161,987	23,496	24,692	23,480	24,669	25,622	177,692	25,903
22	0	0	0	0	0	0	0	155,727	164,352	155,914	163,254	168,971	0	171,381
23	54,935	55,006	39,720	98,384	65,733	81,582	120,913	81,952	86,211	82,056	85,964	87,958	133,135	90,254
24	27,704	27,783	20,157	49,637	33,027	40,854	60,638	168,711	177,717	168,906	176,602	181,886	67,463	185,657
25	64,328	64,285	46,447	114,731	76,767	95,349	141,131	0	0	0	0	0	153,302	0
26	46,508	46,426	33,652	83,138	55,287	67,607	102,082	96,012	101,260	96,138	96,926	99,862	112,471	105,703
27	88,148	88,143	63,897	158,220	105,952	130,707	193,604	0	0	0	0	0	212,367	0
28	87,080	86,999	62,928	155,821	104,193	128,397	191,073	0	0	0	0	1	209,754	0
29	11,001	11,072	8,075	19,535	13,055	15,930	23,935	210,095	221,254	210,194	220,786	227,324	27,447	231,447
30	62,815	62,817	45,539	111,537	74,764	91,700	138,091	0	0	0	0	0	151,847	0
31														
Pumps :	1,394,256	1,396,476	1,010,135	2,491,401	1,666,525	2,050,541	3,060,207	2,296,285	2,420,699	2,298,164	2,404,644	2,481,750	3,436,257	2,497,737
MIN :	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MAX :	120,907	121,317	88,090	214,583	144,315	174,123	265,690	210,095	221,254	210,194	220,786	227,324	292,212	231,447
STATIONS :	13,069,541							7,015,148			4,886,394		3,436,257	2,497,737
TOTAL :	30,905,077													

Date April 2020
 PWS No. 4126000

Monthly Weather Report
 Harwich Water Department

Day	Snow Fall (in.) (Gallons)	Rain Fall (in.)	Temperature High (°F)	Temperature Low (°F)	Temperature AVG (°F)	Weather Comments	Operator
1		0.04	43	34	38		
2		0.69	44	40	42		
3		0.97	45	43	44		
4		0.03	45	34	39		
5		0.00	48	33	41		
6		0.02	55	40	48		
7		0.00	59	41	50		
8		0.00	51	37	44		
9		0.23	49	37	43		
10		0.00	52	39	46		
11		0.00	55	38	46		
12		0.00	54	33	43		
13		0.25	57	50	53		
14		0.00	57	47	52		
15		0.25	49	38	44		
16		0.00	49	33	41		
17		0.00	51	35	43		
18		0.88	44	36	40		
19		0.00	54	34	44		
20		0.00	52	35	43		
21		0.00	51	31	41		
22		0.00	49	35	42		
23		0.00	51	33	42		
24		1.16	47	44	45		
25		0.00	55	39	47		
26		1.30	51	42	46		
27		0.20	46	39	43		
28		0.02	45	38	42		
29		0.00	54	38	46		
30		0.00	49	44	47		
31							
Total		6.04					
Average		0.20	50.4	38.0			
Max		1.30	59.1	50.1			
Min		0.0	42.8	31.3			

Month/Year April 2019

Monthly Pumpage Report Harwich Water Department

PWS No. 4126000

Date	T1				T2				T3			T10	T11		
	Main 1	Main 2	Main 3	Well 1	Well 2	Well 3	Well 4	Well 5	Well 6	Well 7	Well 8	Well 9	Pump 10	Pump 11	
1	0	0	0	0	0	0	0	87,584	92,373	87,637	91,607	92,847	105,165	96,465	
2	63,467	63,410	45,642	124,759	75,751	109,187	0	44,087	46,426	44,185	46,267	46,848	148,250	48,623	
3	33,403	33,334	24,018	59,672	39,631	52,007	0	27,219	28,584	26,848	59,322	60,342	30,972	65,766	
4	75,741	75,597	54,410	135,986	90,448	119,353	0	44,018	46,449	44,462	15,176	14,554	237,415	12,546	
5	0	0	0	0	0	0	0	106,257	112,099	106,286	111,244	113,052	0	117,143	
6	75,587	75,626	54,175	135,808	89,974	120,508	0	0	0	0	0	0	182,382	0	
7	0	0	0	0	7,059	0	0	139,884	147,598	140,066	147,101	149,248	0	153,967	
8	69,616	69,520	50,118	124,600	82,494	110,969	0	0	0	0	0	0	167,867	0	
9	112,272	111,045	79,852	205,526	145,028	182,714	0	13,803	14,433	13,867	14,548	14,794	268,392	0	
10	24,228	25,212	18,087	45,569	30,089	40,478	0	29,205	0	29,323	209,696	214,251	289,477	220,089	
11	0	0	0	0	0	0	0	134,882	0	135,018	101,198	102,594	116,054	106,322	
12	91,578	91,909	65,952	164,091	109,252	146,331	0	0	0	0	18,870	19,272	0	0	
13	0	0	0	0	0	0	0	152,142	0	152,214	159,458	162,485	182,726	167,620	
14	90,394	90,253	64,810	162,012	107,668	144,131	0	0	0	0	159,458	162,485	0	0	
15	77,225	77,059	55,275	138,596	91,787	122,908	0	112,526	0	112,505	117,823	119,765	135,127	123,860	
16	109,745	109,281	78,557	197,101	130,633	175,018	0	0	0	0	0	0	0	0	
17	0	0	0	0	0	0	0	105,233	0	106,671	113,111	114,635	130,694	119,879	
18	83,874	82,697	59,512	148,312	98,600	131,830	0	103,972	0	104,094	108,835	110,205	124,781	129,633	
19	28,052	28,998	20,870	62,666	41,605	55,892	0	76,341	68,988	76,602	68,986	70,005	80,634	74,017	
20	80,565	80,549	58,015	144,510	96,110	128,256	0	56,846	59,644	56,870	59,633	60,354	262,360	62,556	
21	8,949	9,013	6,422	15,680	10,346	13,910	0	141,108	148,427	140,929	147,560	150,692	22,069	155,143	
22	70,131	70,078	50,519	125,520	83,505	112,156	0	0	0	282	0	0	168,965	0	
23	34,369	34,584	25,025	61,435	40,743	54,480	0	175,926	185,085	175,622	193,845	196,443	65,621	203,400	
24	69,995	69,740	50,414	125,244	83,249	111,288	0	8,863	9,326	9,350	0	0	215,231	0	
25	4,815	4,891	3,514	8,388	5,392	7,270	0	189,406	199,547	188,839	229,155	233,701	12,070	244,129	
26	85,333	85,340	61,578	153,286	101,779	136,480	0	60,450	63,328	60,860	14,702	13,997	205,659	19,646	
27	0	0	0	0	0	0	0	123,449	130,152	123,588	129,279	131,493	0	135,969	
28	70,129	69,152	49,862	123,427	81,983	109,383	0	39,143	41,247	39,326	41,078	41,952	165,279	43,323	
29	162,718	163,308	117,820	285,520	195,189	253,767	0	0	0	0	0	0	396,867	0	
30	0	0	0	0	0	0	0	116,099	122,170	116,373	117,924	119,637	3,450	119,247	
31															
Pumps :	1,522,186	1,520,596	1,094,446	2,747,706	1,838,314	2,438,315	0	2,088,443	1,515,877	2,091,817	2,475,876	2,515,651	3,717,507	2,419,343	
MIN :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
MAX :	162,718	163,308	117,820	285,520	195,189	253,767	0	189,406	199,547	188,839	229,155	233,701	396,867	244,129	
STATIONS :	11,161,563								5,696,137			4,991,527		3,717,507	2,419,343
TOTAL :	27,986,076														

Date April 2019
 PWS No. 4126000

Monthly Weather Report
Harwich Water Department

Day	Snow Fall (in.) (Gallons)	Rain Fall (in.)	Temperature High (°F)	Temperature Low (°F)	Temperature AVG (°F)	Weather Comments	Operator
1		0.02	51	32	42		
2		0.00	48	26	37		
3		1.17	52	40	46		
4		0.00	55	39	47		
5		0.00	45	36	40		
6		0.18	56	38	47		
7		0.00	54	36	45		
8		0.33	51	41	46		
9		0.12	46	40	43		
10		0.00	47	39	43		
11		0.00	49	35	42		
12		0.00	49	40	45		
13		0.11	53	49	51		
14		0.00	64	49	56		
15		0.74	60	47	53		
16		0.00	58	42	50		
17		0.00	58	42	50		
18		0.00	53	38	46		
19		0.00	65	53	59		
20		0.48	63	55	59		
21		0.28	58	51	54		
22		1.11	57	51	54		
23		0.02	51	46	48		
24		0.00	63	46	54		
25		0.00	58	44	51		
26		0.63	52	45	49		
27		0.08	58	46	52		
28		0.29	55	42	49		
29		0.00	57	39	48		
30		0.18	50	42	46		
31							
Total		5.74					
Average		0.19	54.5	42.3			
Max		1.17	64.5	55.1			
Min		0.0	45.1	25.6			