

**TOWN OF HARWICH  
BOARD OF WATER & WASTEWATER  
COMMISSIONER'S AGENDA\***  
*Harwich Water Department  
196 Chatham Road, Harwich MA*

*Executive Session 11:00 a.m.- Superintendent's Office  
Regular Session 11:20 a.m.- Conference Room  
Wednesday, October 13, 2021*

I. CALL TO ORDER

II. EXECUTIVE SESSION

A. Executive Session pursuant to M.G.L. Ch. 30A, Sec. 20(a)(6), to consider a purchase, exchange, lease or value of real property if the Chair declares that an open meeting may have a detrimental effect on the negotiating position of the Board. – 0 Spruce Rd.

B. Minutes

1. Executive Session Minutes- September 1, 2021

III. PUBLIC COMMENTS/ANNOUNCEMENTS

IV. CONSENT AGENDA

A. Minutes

1. July 29, 2021
2. August 11, 2021
3. September 1, 2021

V. OLD/UNFINISHED BUSINESS

VI. NEW BUSINESS

- A. Wastewater Welcome Packet
- B. Special Town Meeting Articles
- C. Department Website URL
- D. Department Staffing Plan
- E. Solar Revenue- *Update*
- F. Bottle Filling Station- *Update*
- G. Fall Flushing- *Update*
- H. Billing Update

VII. SUPERINTENDENT'S REPORT

VIII. COMMISSIONER'S REPORT

IX. CORRESPONDENCE/ANY OTHER BUSINESS

X. NEXT MEETING: TBD

XI. 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](mailto:customerservice@harwichwater.com)*

Authorized Posting Officer:

Tracey Alves

Tracey Alves, Board Secretary

Posted By: \_\_\_\_\_

Town Clerk

Date: \_\_\_\_\_

## IV. CONSENT AGENDA

### A. Minutes

1. July 29, 2021
2. August 11, 2021
3. September 1, 2021

**MINUTES  
HARWICH WATER DEPARTMENT  
BOARD OF WATER/WASTEWATER COMMISSIONERS  
THURSDAY, JULY 29, 2021  
11:00 A.M.**

**WATER COMMISSIONER'S PRESENT:** Vice Chair Allin Thompson, Clerk Noreen Donahue, Judith Underwood, John Gough

**OTHERS PRESENT:** Superintendent Dan Pelletier, Comptroller Sandra Sieger, Billing Administrator Wellesley Marsh, Administrative Assistant Tracey Alves

**CALL TO ORDER**

Vice Chair Thompson called the meeting to order 11:00 a.m.

**CONSENT AGENDA**

**A. Minutes**

**1. July 15, 2021**

Commissioner Underwood motioned to accept the Minutes as written. Clerk Donahue seconded the motion. All in favor; 4-0-0.

**ABATEMENTS**

**A. 7 Joshua Jethro Rd**

Commissioner Underwood motioned to reject the abatement request. Commissioner Gough seconded the motion. All in favor; 4-0-0.

**NEW BUSINESS**

**A. Water Department Capital Plan**

Superintendent Pelletier provided the Board with an overview of the Water Department's Capital Plan.

**B. Wastewater Update**

Superintendent Pelletier provided an update on Wastewater.

Superintendent Pelletier has called Barnstable County a couple of times to discuss the Barnstable County Septic Loan Program but has not heard back from them yet. Harwich did appropriate \$100,000 for the purpose of lowering the interest rate from 5% to 2%.

The earliest the sewer "Order to Connect" letters would go out would be the last week in August. Chatham has proposed language change for the IMA amendments. The IMA working

group needs to reconvene to bless those changes before the changes are brought back to the individual Board's of Selectmen.

The training for the Wastewater Pump Stations is taking place this week along with Generator training.

Clerk Donahue hopes that the Town can start talking about Wastewater as the whole project and not just about D.H.Y. (Dennis, Harwich, Yarmouth) agreement.

Superintendent Pelletier has asked GHD to prepare a scope based on what conversations between Superintendent Pelletier and GHD have been, based on what MEPA (Massachusetts Environmental Policy Act) recommends be done, in order to revise what needs to be revised in the CWMP. Right now, the town doesn't have money appropriated to pay GHD for services related to CWMP revisions. Superintendent Pelletier has asked GHD to come to the dedicated Wastewater meeting to discuss CWMP revisions in hopes the BOS will put through an article for fall town meeting to fund that scope of work so those discussions can take place.

The Pleasant Bay Alliance report will touch upon the new modeling results from the breach in Muddy Creek which is going to inform attenuation rates that could suggest change towards the wastewater management plan in East Harwich that could impact how we decide to do D.H.Y. or another phase in Town.

### **C. Pleasant Lake Tank Project**

Contractors are wrapping up a couple punch list items. Our Harwich Water Department crew has also brought the 24" water main pipe all the way over to the woods area where the final connection will be made this fall.

Once the Department receives pricing from the Waterworks Bid on the 10th the Department will be looking to purchase some water main pipe to connect the tank into the Oak Street main down towards Long Pond Drive.

### **D. Chatham Road Land Acquisition**

KP Law recommended to have the Owners Unknown parcels out back on Chatham Road surveyed and plans developed. Once the parcels are surveyed, the next step can be taken.

## **CORRESPONDENCE**

Resident Francis Pugsley submitted a nice Thank You note to the employees of the Water Department.

## **NEXT MEETING**

The next Board meeting will be held on Wednesday, August 11, 2021 at 11:00 a.m.

## **ADJOURNMENT**

Vice Chair Thompson motioned to adjourn at 12:20 p.m. Commissioner Underwood moved the motion with a second by Clerk Donahue. All in favor; 4-0-0.



---

Gary Carreiro, Chairman

---

Dan Pelletier, Superintendent

---

Allin P. Thompson, Vice Chair

---

Tracey Alves, Board Secretary

---

Noreen Donahue, Clerk

---

Judith Underwood

---

John Gough

**MINUTES  
HARWICH WATER DEPARTMENT  
BOARD OF WATER/WASTEWATER COMMISSIONERS  
WEDNESDAY, AUGUST 11, 2021  
11:00 A.M.**

**WATER COMMISSIONER'S PRESENT:** Chair Gary Carreiro, Vice Chair Allin Thompson, Clerk Noreen Donahue, John Gough

**OTHERS PRESENT:** Superintendent Dan Pelletier, Billing Administrator Wellesley Marsh, Administrative Assistant Tracey Alves, Selectman Mike MacAskill

**CALL TO ORDER**

Chair Carreiro called the meeting to order 11:00 a.m.

**CONSENT AGENDA**

**A. Minutes**

**1. July 29, 2021**

The Minutes of July 29, 2021 will be added to the next agenda.

**CONTRACTS**

**A. General Water Works Supplies Bid- *Recommendation to Award***

Three General Water Works Supplies bids were received. Ferguson Waterworks, Stiles Co. and Ti-Sales each submitted a bid.

Superintendent Pelletier recommended to the Board that they award the General Water Works Bid to Ferguson Waterworks whose bid was whole and complete.

Vice Chair Thompson moved to accept the bid as presented. Clerk Donahue seconded the motion, all in favor; 4-0-0.

**NEW BUSINESS**

**A. 1569 Orleans Rd- *Re: Pay Plan***

The Board reviewed the request for a pay plan that was submitted by the owner of 1569 Orleans Rd. Vice Chair Thompson moved to approve a pay plan for 1569 Orleans Rd. Clerk Donahue seconded the motion, all in favor; 4-0-0.

**SUPERINTENDENT'S REPORT**

The well drillers and GZA were out on-site at Well 10 to lay out the locations of the test wells. In September they will do the first round of drilling.

Last week was the kick-off meeting with GHD for the Route 28 water main replacement design.

Union negotiations with IAMAW will begin tomorrow afternoon.

Superintendent Pelletier has heard back from the County regarding the Barnstable County Septic Loan program. Superintendent Pelletier relayed to them that Harwich had appropriated a sum of money to help bring those loans in at a lower interest rate. They relayed that we may not need to since they have requested money from the State for the Clean Water Trust. There should be an update in the next week or so.

#### **COMMISSIONER'S REPORT**

Chair Carreiro read outloud the thank you e-mail that he received from resident Francis Pugsley for work done by Water Department employees at his property.

#### **NEXT MEETING**

The next Board meeting will be held on Wednesday, September 1, 2021 at 11:00 a.m.

#### **ADJOURNMENT**

Chair Carreiro motioned to adjourn at 11:30 a.m. Vice Chair Thompson moved the motion with a second by Clerk Donahue, all in favor; 4-0-0.

\_\_\_\_\_  
Gary Carreiro, Chairman

\_\_\_\_\_  
Dan Pelletier, Superintendent

\_\_\_\_\_  
Allin P. Thompson, Vice Chair

\_\_\_\_\_  
Tracey Alves, Board Secretary

\_\_\_\_\_  
Noreen Donahue, Clerk

\_\_\_\_\_  
Judith Underwood

\_\_\_\_\_  
John Gough

**MINUTES  
HARWICH WATER DEPARTMENT  
BOARD OF WATER/WASTEWATER COMMISSIONERS  
WEDNESDAY, SEPTEMBER 1, 2021  
REGULAR SESSION  
11:20 A.M.**

**WATER COMMISSIONER'S PRESENT:** Chair Gary Carreiro, Vice Chair Allin Thompson, Clerk Noreen Donahue, Judith Underwood, John Gough

**OTHERS PRESENT:** Superintendent Dan Pelletier, Comptroller Sandra Sieger, Billing Administrator Wellesley Marsh, Administrative Assistant Tracey Alves, Selectman Mike MacAskill

**CALL TO ORDER**

Chair Carreiro called the regular session meeting to order 11:20 a.m.

Executive session ran from 11:00 a.m. to 11:18 a.m. Contract negotiations were discussed. No decisions were made. The executive session minutes of February 11, 2021 were approved.

**CONSENT AGENDA**

**A. Minutes**

- 1. July 29, 2021**
- 2. August 11, 2021**

The Minutes of July 29, 2021 and August 11, 2021 will be added to the next agenda.

**OLD/UNFINISHED BUSINESS**

**A. Wastewater Update**

Superintendent Pelletier provided an update on wastewater.

Superintendent Pelletier did the substantial completion walk-through for construction contract #1 with Robert Our Company and everything looked in order. A recommendation to approve the substantial completion will be coming from CDM Smith to the Town within the next couple of weeks with a final completion to follow.

The Board of Health is working on a sewer connection mandate. A public hearing will take place on September 27, 2021. The mandate will make people eligible for the sewer connection tax credit. This is not true for new construction, those who are already under an existing mandate and non-residents.

Barnstable County Septic Loan program relayed that it is highly likely that loans will be offered at 2%. Harwich has appropriated \$100,000 to offset the administrative costs.

Superintendent Pelletier commented on procuring sewer grinder pumps so that sewer customers could purchase them right from the Department.

Clerk Donahue brought up the CWMP revision and the timing of the phases. Superintendent Pelletier relayed that the CWMP did not take into account the Town's debt and that smaller frequent sewer projects make it easier to adapt. The pricing and timing of the phases are part of the scope of work included in the SewerCAD model that GHD is working on.

Superintendent Pelletier discussed attenuation rates with the Board.

Selectman MacAskill confirmed that the Wastewater Investment/Infrastructure Fund (WIIF) is separate from the Wastewater Stabilization Fund.

## **NEW BUSINESS**

### **A. FY22 Free Cash Certification**

Free cash was certified for the water retained earnings in the amount of \$1,603,029 for FY22.

### **B. Upcoming Water Department Projects**

Superintendent Pelletier provided an overview of upcoming Water Department projects.

The Water Department will be looking to finish the 24" water main over at the Pleasant Lake tank and also looking to extend the water main in the other direction from the Pleasant Lake tank to the main on Oak Street going out towards Long Pond Dr.

The water bottle filling stations have been received and will be mounted soon. They will be placed at the locations of Red River Beach, Brooks Park, Chamber of Commerce and across from Pleasant Lake General Store in the area near the bike path.

Water Department crew has several cut and caps to perform.

Water Department crew will also be rebuilding the retaining wall out behind the Water Department.

Superintendent Pelletier would like to have fiber optic run from the Water Department out to the Route 39 tank.

The covert on Lothrop Ave will need to be dug up and repaired.

The backwash lagoons at the water treatment plants, particularly the Bruce Cahoon plant will need to be excavated and the top layer of sand will need to be replaced.

### **C. Drought Status**

The Massachusetts drought task force will meet on September 8<sup>th</sup>, 2021. Superintendent Pelletier will look forward to seeing what is decided after their meeting. It is important that we maintain water restrictions. Chair Carreiro commented that flashing signs may receive better feedback.

**D. FY23 Budget & Capital Project Priorities**

Superintendent Pelletier provided the Board with an overview on the FY23 Budget and Capital Project priorities.

**SUPERINTENDENT'S REPORT**

Superintendent Pelletier updated the Board that GZA well exploration will be out September 20<sup>th</sup> to start drilling exploration. The locations have been cited and are cleared for drilling.

Work has been done to update the Department's Emergency Response plan which is part of America's Water Infrastructure Act of 2018 which is required to be certified by December 31, 2021 of this year.

Superintendent Pelletier started working on generator procurement for 196 Chatham Rd and Station #8.

The Department did not get chosen for the Coastal Resiliency Grant.

Superintendent Pelletier would like to coordinate with the Harbormaster so that we can inspect the hangars and pipes underneath all of the bridge crossings. He would also like to investigate the integrity of the mains that cross under Route 6.

**NEXT MEETING**

The next Board meeting will be held on Friday, September 17, 2021 at 11:00 a.m.

**ADJOURNMENT**

Chair Carreiro motioned to adjourn at 12:17 p.m. Vice Chair Thompson moved the motion. All in favor; 5-0-0.

\_\_\_\_\_  
Gary Carreiro, Chairman

\_\_\_\_\_  
Dan Pelletier, Superintendent

\_\_\_\_\_  
Allin P. Thompson, Vice Chair

\_\_\_\_\_  
Tracey Alves, Board Secretary

\_\_\_\_\_  
Noreen Donahue, Clerk

\_\_\_\_\_  
Judith Underwood

\_\_\_\_\_  
John Gough

## VI. NEW BUSINESS

### A. Wastewater Welcome Packet



## Town of Harwich Water & Wastewater Department

196 Chatham Road, Harwich, MA 02645 USA \* [www.harwichwater.com](http://www.harwichwater.com)  
P. 508-432-0304 \* [customerservice@harwichwater.com](mailto:customerservice@harwichwater.com)

October 12, 2021

Mr. & Mrs. Sewer Customer  
732 Main Street  
Harwich, MA 02645

Dear Mr. Customer,

With municipal sewer service now available at your property, the Water & Wastewater Department has prepared this welcome package with information on how to connect, the Do's and Don'ts of sewer, and other information to consider as you plan your connection.

In an effort to familiarize you with the process, we have provided a "Sewer Connection Checklist" located on the back side of this letter. From design drawings to selecting a contractor to perform the work, it is recommended that you obtain multiple quotes. You may also wish to consider requesting quotes jointly with a neighbor as a designer and/or installer may offer more competitive pricing if the work is quoted together.

Your cost to design and install the sewer service connection is the responsibility of the owner, however, there are various programs that you may be eligible for. Massachusetts currently offers a septic system tax credit that is available to owner-occupied primary residences, connecting to a municipal sewer system. A tax professional could further provide you with more information on eligibility. Barnstable County Septic Loan Program is another program that is available to Harwich residents. This program can be used for both design and construction costs and is currently being offered at a very low interest rate repayable over a maximum of a 20-year repayment term.

As stated in the "Order to Connect" letter, property owners will have 2-years from the date of this mailing to design and install their sewer service. Property owners experiencing financial or other hardships may apply for an extension with the Board of Health who will review extension requests on a case-by-case basis.

After the sewer service has been installed, property owners will begin to receive quarterly sewer bills based upon the volume of water that passes through the water meter. Properties having an irrigation system or history of excessive outdoor water use may want to consider installing an irrigation/sewer deduct meter. A deduct meter is intended to separately measure outdoor water usage so it can be deducted when generating the sewer bills. The deduct meter is installed after the domestic water meter on your private plumbing and must be installed by a licensed plumber. The cost of the meter and its installation is the responsibility of the property owner. For further information, please refer to our Irrigation/Sewer Deduct Meter Policy located on the Department's website.

We hope this package will provide you with the information and resources to make your sewer connection easy and efficient, and as always please do not hesitate to contact us should you need any additional assistance.

Thank you,

Dan Pelletier  
Superintendent  
[dpelletier@harwichwater.com](mailto:dpelletier@harwichwater.com)



## Sewer Connection Checklist

<b><u>STEP 1</u> Select a Designer</b>	The first step is to hire an Engineer or Registered Sanitarian licensed in the State of MA, to develop design drawings for your sewer service. To complete the design of your sewer service, the Engineer or Registered Sanitarian will need the location and elevation of your sewer stub.	Attachments: List of Designers (Engineers/Sanitariums) & Sewer Stub Tie Card
<b><u>STEP 2</u> Select a Licensed Utility Installer</b>	Once the design of your sewer service is complete, the next step is to obtain quotes from licensed utility installers to perform the work. Utility Installers are licensed locally through the Harwich Health Department. Property owners are encouraged to obtain multiple quotes for installation and if possible, consider working with your neighbors to obtain quotes together, it is likely you will get more competitive pricing if the contractor can work at multiple homes in a given area.	Attachment: Licensed Utility Installers List
<b><u>STEP 3</u> Submit Sewer Service Application</b>	The Sewer Service Application should be completed by the Licensed Utility Installer, signed by the property owner, and submitted along with design drawings to the Department for approval. Once the application has been approved, the Licensed Utility Installer may install the sewer service and abandon the existing on-site septic system.	Installer/Applicant Sewer Service Application Is on website (link provided below)
<b><u>STEP 4</u> Do's and Don'ts</b>	As a new sewer customer, it is important to familiarize yourself with some of the basics to ensure proper function of your sewer service and prevent downstream issues with the municipal collections system. We have enclosed a guide of DO's and DONT's to help keep your sewer service in working order.	Attachments: Be Sewer Savvy

### LINKS

Welcome Packet Contents	<a href="http://www.harwichwater.com/wastewater/welcome.html">http://www.harwichwater.com/wastewater/welcome.html</a>
Barnstable County Septic Loan Program	<a href="https://www.barnstablecountysepticloan.org/">https://www.barnstablecountysepticloan.org/</a>
Title 5 Credit and Mandated Sewer Connections	<a href="https://www.mass.gov/technical-information-release/tir-99-5-the-title-5-credit-and-federally-mandated-sewer-connections">https://www.mass.gov/technical-information-release/tir-99-5-the-title-5-credit-and-federally-mandated-sewer-connections</a>
Irrigation/Sewer Deduct Meter Information	<a href="http://www.harwichwater.com/wastewater/irrigation-deduction-meter.html">http://www.harwichwater.com/wastewater/irrigation-deduction-meter.html</a>
Sewer Use Regulations	<a href="http://www.harwichwater.com/assets/Sewer_Use_Regs_052621.pdf">http://www.harwichwater.com/assets/Sewer_Use_Regs_052621.pdf</a>
Sewer Rates	<a href="http://www.harwichwater.com/wastewater/proposed-sewer-rates.html">http://www.harwichwater.com/wastewater/proposed-sewer-rates.html</a>
Sewer Bill Estimates	<a href="http://www.harwichwater.com/wastewater/sewer-bill-estimates.html">http://www.harwichwater.com/wastewater/sewer-bill-estimates.html</a>
Sewer Connection Application	<a href="http://www.harwichwater.com/wastewater/sewer-connection-application.html">http://www.harwichwater.com/wastewater/sewer-connection-application.html</a>

Town of Harwich

**ENGINEERS and REGISTERED SANITARIANS**

The *Engineers & Registered Sanitarians* on this list are certified to design and inspect onsite sewage disposal systems

BSC Group 349 Route 28, Unit "D" West Yarmouth, MA 02673 508-778-8919	George Reilly, RS PO Box 1063 Orleans, MA 02653 508-255-8635	Ryder & Wilcox Engineering 3 Giddiah Hill, PO Box 439 South Orleans, MA 02662 508-255-8312
Bass River Engineering PO Box 1163 East Dennis, MA 02641 508-385-3426	J.C. Ellis Design Co. PO Box 81 Eastham, MA 02651 508-240-2220	Schofield Brothers Engineering PO Box 101 Orleans, MA 02653 508-255-2098
Bennett Environmental Associates 1573 Main Street – PO Box 1743 Brewster, MA 02631 508-896-1706	J.M. O'Reilly & Associates PO Box 1773 Brewster, MA 02631 508-896-6601	Dan A. Speakman Construction 15 Speak Way Harwich, MA 02645 508-432-5565
Clark Engineering 156 Crowell Road, Suite B Chatham, MA 02633 508-945-5454 Fax: 508-945-5458	LaBarge Engineering 237 Route 28 W Harwich, MA 02671 508-432-6360 Fax: 508-432-6792	Stephen A. Haas Engineering, Inc 293 Cranview Road Brewster, MA 02631 508-362-8132 Cell: 508-367-1691
Coastal Engineering 260 Cranberry Highway Orleans, MA 02653 508-255-6511	Mary Beth McKenzie, R.S. J. O'Loughlin, Inc. 2 Harold Street Harwich Port, MA 02646 508-432-5700	Sweetser Engineering 203 Setucket Road, South Dennis, MA 02660 508-385-6900
Down Cape Engineering 939 Route 6A Yarmouth Port, MA 02675 508-362-4541	Moran Engineering 941 Route 28, PO Box 183 South Harwich, MA 02661 508-432-2878	Terry Warner Surveying 22 Long Road Harwich, MA 02645 508-432-8309
East Cape Engineering P. O. Box 1525 Orleans, MA 02653 508-255-7120	Douglas A. Grover Septic Design PO Box 240 South Orleans, MA 02662 508-255-4411	Eldredge Surveying & Engineer 1038 Main Street Chatham, MA 02633 508-945-3965
David Coughanowr Eco-Tech Rapid Response 155 George Ryder Road SouthChatham, MA 02633 508-364-0894	Ronald J. Cadillac, PLS, RS, P.C. PO Box 258 West Yarmouth, MA 02673 508-775-9700	Robert M. Perry, P.E. PO Box 1517 East Dennis, MA 02631 508-385-1445
Felco Engineering PO Box 1366 Orleans, MA 02653 508-255-8141	TS Land Surveying, Inc. Thomas M. Stello, PLS, RS PO Box 303 Harwich Port, MA 02646 508-737-8635	

THIS IS NOT AN ENDORSEMENT BUT MERELY A COMPILATION OF COMPANIES IN THE AREA.  
WE SUGGEST THAT YOU CALL AT LEAST TWO OR THREE COMPANIES AND CHECK  
REFERENCES-UPDATED JUNE 2020

Town of Harwich

**LICENSED UTILITY INSTALLERS**

Licensed by the Health Department

<p>Apex Excavating, LLC Bradley Yochum PO Box 1196, Harwich MA 02645 <a href="mailto:apexexcavatingllc@outlook.com">apexexcavatingllc@outlook.com</a> 774-316-5269</p>	<p>Northeast Construction Septic Systems &amp; Excav. Robert S. Tulloch 32 Sara Ann Lane, Brewster PO Box 2350, Brewster MA 02631 <a href="mailto:marymneec@aol.com">marymneec@aol.com</a> 508-896-7713</p>
<p>B &amp; B Excavation Robert Gilfoy 374 Route 130, Sandwich 14 Teaberry Lane, Forestdale MA 02644 <a href="mailto:office@bandbexcavation.net">office@bandbexcavation.net</a> 508-744-0653</p>	<p>Peter McIntire and Sons, LLC 50 Martha Kendrick Drive, Chatham Ken &amp; David McIntire 508 Martha Kendrick Drive, Chatham MA 02633 <a href="mailto:mcintire25@comcast.net">mcintire25@comcast.net</a> 508-962-5047</p>
<p>Borthwick &amp; Summers, Inc. Todd Summers 299B Commerce Park North, S. Chatham PO Box 558, North Chatham MA 02650 <a href="mailto:borthwick@summers@yahoo.com">borthwick@summers@yahoo.com</a> 508-430-1720</p>	<p>Peter J. Govoni Land Services Peter J. Govoni 81 Echo Road, Unit 4, Mashpee PO Box 1323, Forestdale MA 02644 <a href="mailto:peterjgovonilandservices@yahoo.com">peterjgovonilandservices@yahoo.com</a> 508-420-9195</p>
<p>Bortolotti Construction, Inc. Robert J. Bortolotti 45 Industry Road, Marstons Mills PO Box 704, Marstons Mills MA 02648 <a href="mailto:bortolotticonstruction@verizon.net">bortolotticonstruction@verizon.net</a> 508-771-9399</p>	<p>Robert B. Our Co. Inc. 24 Great Western Road, Harwich Christopher Our PO Box 1539, Harwich MA 02645 <a href="mailto:swilliams@robertour.com">swilliams@robertour.com</a> 508-432-0530</p>
<p>GFM Enterprises, Inc. Gregory F. Morris 15 Diamonds Path, South Dennis PO Box 1439, South Dennis MA 02660 <a href="mailto:greg@grmexcavating1@verizon.net">greg@grmexcavating1@verizon.net</a> 508-694-5600</p>	<p>Speakman Excavating, LLC Sam Speakman 15 Speak Way, Harwich MA 02645 <a href="mailto:info@speakmanexcavating.com">info@speakmanexcavating.com</a> 508-432-5565</p>
<p>John Martin, Inc. John Martin 32 Rayber Road, Orleans MA 02653 <a href="mailto:Jdmexcavating1@verizon.net">Jdmexcavating1@verizon.net</a> 508-240-0668</p>	<p>T.W. Nickerson, Inc. Peter Hopple 160 Mill Hill Road, South Chatham MA 02659 <a href="mailto:accounting@twnickerson.com">accounting@twnickerson.com</a> 508-432-1655</p>
<p>JW Dubis &amp; Sons Robert &amp; Eugene Dubis 79 Stony Hill Road, Chatham MA 02633 <a href="mailto:Pam@jwdubis.com">Pam@jwdubis.com</a> 508-945-0283</p>	

THIS LIST IS NOT AN ENDORSEMENT BUT MERELY A COMPIATION OF COMPANIES IN THE ARE. WE SUGGEST THAT YOU CALL AT LEAST TWO OR THREE COMPANIES AND CHECK REFERENCES. UPDATED 092321



# BE SEWER SAVVY

Help to promote a long life for both your personal, as well as the public, wastewater collection system.

## DO'S AND DON'TS

### WHAT NOT TO FLUSH

Foreign Objects and Debris  
All Grease & Oils  
Food  
Coffee Grounds & Tea  
Cigarettes  
Flammable Substances  
Toxic Chemicals  
Paints  
Pool or Spa Products

Diapers and Baby Wipes  
Sanitary Napkins  
Bath & Body Oils  
Personal Care Products  
Large Amounts of Hair  
Cigarettes  
Cat Litter  
Pharmaceuticals

### STOP THE FOG

**DON'T** pour fats, oils and grease down sinks or toilets  
Fats, oils, and grease (FOG) blocking sewer pipes is a serious maintenance problem for both the Town and sewer system as well as your own plumbing and sewer pipes. When hot grease is disposed of in your sink, it quickly solidifies, which creates a potential blockage in your waste pipe. This could potentially jeopardize public and environmental health. In addition, high levels of FOG may inhibit the proper functioning of low-pressure sewer systems, pump stations and the wastewater treatment facility.

### Town of Harwich

### WATER & WASTEWATER DEPARTMENT

196 Chatham Road, Harwich MA 02645

508-432-0304

[www.harwichwater.com](http://www.harwichwater.com)

Office Hours: M-F, 8:00a-4:30p, except Holidays

WASTEWATER EMERGENCY 24/7 CALL <<888-774-3557>>

WATER EMERGENCY 24/7 CALL 508-432-0304

### IMPORTANT FACT

Just because a products' packaging states that it is "flushable" it is NOT. These, along with baby wipes, sanitary napkins and other non-biodegradable items, over time, turn into a grayish pulp that can wrap around a pump and/or cause a blockage in sewer pipes. This provides a potential for sewer backups and/or sewer overflows.

### SEWER MANHOLE



### STORM DRAIN GRATE



### DIG SAFELY

**DON'T** dig without knowing the location of your sewer system or other utilities. Notify Dig-Safe prior to any digging on your property.

### SEWER PUMP STATIONS RED FLASHING LIGHTS

All of the Town's Pump Stations are equipped with red flashing lights. If the lights are on, this could indicate a problem with the pump system. This condition should be reported ASAP to expedite response and prevent backups and/or overflows.

### PLEASE CALL

508-432-0304

SEWER DEPARTMENT

Application No. ....

Sewer Plan No. ....

Foreman's Information Dated ..... 20.....

Plot No. ....

FOR A CONNECTION TO BE BUILT

For ~~#1392 RT 39~~ .....

at No. ....

Plumber RBO CONST .....

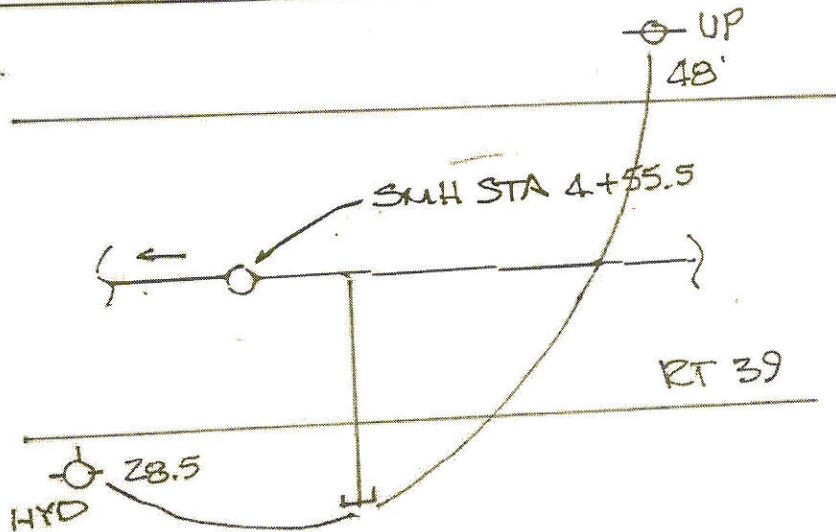
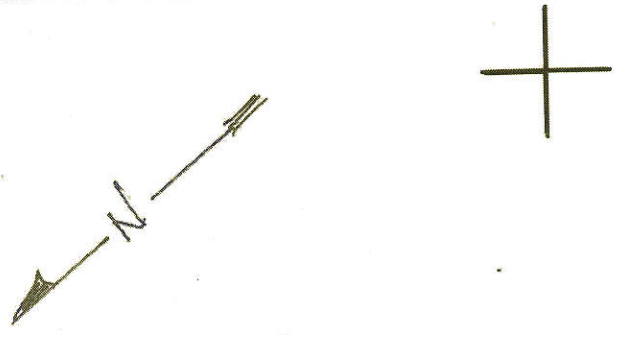
Y is 37 ft, 6" in. N. S. E. W. of manhole at STA 4+55.5 .....

Conn. to enter ..... ft. .... in. from N. S. E. W. corner of building.

Top of pipe to be ..... in. above, below .....

..... Pipe to be laid in same trench.

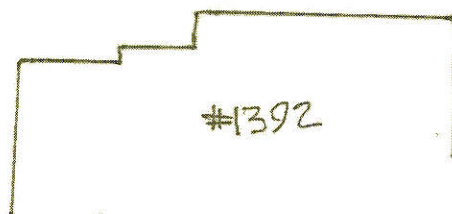
Cut at sewer ..... ft. .... in. to top of pipe.



$L = 23.00'$

$d =$

INVEL. 53.51



## VI. NEW BUSINESS

### B. Special Town Meeting Articles

**SPECIAL TOWN MEETING  
WARRANT  
With  
RECOMMENDATIONS**



**Monday, October 18, 2021  
6:30PM  
Harwich Community Center  
Gymnasium  
100 Oak Street**

**Face coverings - mandatory**

**TABLE OF CONTENTS**

**SPECIAL TOWN MEETING  
MONDAY, OCTOBER 18, 2021**

Procedures.....2  
Motion Chart.....3  
Municipal Finance Terms .....4

**ARTICLES**

1. Fund Costs Related To Updating The Comprehensive Wastewater Management Plan (CWMP).....7  
2. Fund Costs Related To Additional Wastewater Collection System Design .....7  
3. Fund Costs Related To Wastewater Collection System Design On Continental Drive And Whidah Drive.....8  
4. Fund Costs Related To Route 28 Wastewater Collection System Design.....8  
5. Create A Wastewater Special Purpose Stabilization Fund .....9  
6. Create An Affordable Housing Special Purpose Stabilization Fund .....10  
7. Amend Rooms Tax Rate Per M.G.L., Chapter 64g, §3a .....10  
8. Fund Non-Union Personnel Wage Increases .....11  
9. Fund Negotiated Contract – Fire Fighters .....11  
10. Fund Negotiated Contract – Water Department .....12  
11. Transfer Of Surplus Bond Proceeds .....12  
12. Land Taking By Eminent Domain .....13  
13. Purchase and Equip A Fire Department Ambulance .....14  
14. Fund Prior Year’s Unpaid Bills .....14



## VOTING PROCEDURES

- I A quorum, 150 registered voters, must be present in order to conduct business. The only motion in order when no quorum is present is a motion to adjourn.
- II A two-thirds majority of the Town Meeting shall be required for inclusion of any Capital Outlay, unless it was included in the Capital Outlay Plan adopted at the preceding Town Meeting.
- III All motions introduced at the Town Meeting shall be in writing when required by the Moderator.
- IV Voters are limited to two times speaking on any one question; the total time speaking not to exceed 10 minutes.
- V Only registered voters shall occupy the meeting “floor”.
- VI No voter will be allowed to speak until he or she is recognized by the Moderator.
- VII Motion requiring more than a simple majority to pass:
  - A. To reconsider a vote on a motion –  $\frac{3}{4}$  majority (this motion must be made prior to the next adjournment of the meeting).
  - B. To consider articles in an order other than as appears on the warrant –  $\frac{3}{4}$  majority.
  - C. To pay unpaid bills –  $\frac{4}{5}$  majority at the Annual Town Meeting,  $\frac{9}{10}$  majority at a Special Town Meeting.
  - D. To move the previous question (terminate debate) –  $\frac{3}{4}$  majority.
- VIII Quorum cannot be questioned after a motion has been made and seconded.

**MOTION CHART Section 1-211**  
(Application of Rules is indicated by an X)

Motions	Debatable	Non Debatable	Amendable	Non Amendable	Second Required	Second Not Required	Majority Vote	2/3 Vote	3/4 Vote	Ma Re
Adjourn		X		X	X		X			
Adjourn (in a time certain)	X		X		X		X			
Amendment	X		X		X		X			
Adopt a Resolution	X		X		X		X			
Accept & Adopt	X		X		X		X <sup>1</sup>			
Postpone Indefinitely	X			X	X		X			
Previous Question Terminate Debate		X		X	X				X	
Reconsider <sup>2</sup>	X			X	X				X	
Consider Articles Out of Order	X		X		X				X	

3

## MUNICIPAL FINANCE TERMS

APPROPRIATION: An authorization granted by a town meeting, city council or other legislative body to expend money and incur obligations for specific public purposes. An appropriation is usually limited in amount and as to the time period within which it may be expended.

AVAILABLE FUNDS: Balances in the various fund types that represent nonrecurring revenue sources. As a matter of sound practice, they are frequently appropriated for unforeseen expenses, capital expenditures, or other one-time costs. Examples of available funds include free cash, stabilization funds, overlay surplus, water surplus, and retained earnings.

CHERRY SHEET: Named for the cherry-colored paper on which they were originally printed, the Cherry Sheet is the official notification to cities, towns, and regional school districts of the next fiscal year's state aid and assessments. The aid is in the form of distributions, which provide funds based on formulas and reimbursements that provide funds for costs incurred during a prior period for certain programs or services.

FREE CASH: Remaining, unrestricted funds from operations of the previous fiscal year, including unexpended free cash from the previous year, actual receipts in excess of revenue estimated on the tax recapitulation sheet, and unspent amounts in budget line items. Unpaid property taxes and certain deficits reduce the amount that can be certified as free cash.

OVERLAY (Overlay Reserve, or Allowance for Abatements and Exemptions): An account that funds anticipated property tax abatements, exemptions, and uncollected taxes. Additions to the overlay reserve need not be funded by the normal appropriation process but instead raised on the tax rate recapitulation sheet.

RESERVE FUND: An amount (not to exceed 5 percent of the tax levy for the preceding year) set aside annually within a community's budget to provide a funding source for extraordinary or unforeseen expenditures. In a town, the finance committee can authorize transfers from this fund for "extraordinary or unforeseen" expenditures. Other uses of the fund require budgetary transfers by town meeting.

STABILIZATION FUND: A fund designed to accumulate amounts for capital and other future spending purposes, although it may be appropriated for any lawful purpose (MGL c. 40 § 5B). Communities may establish one or more stabilization funds for different purposes and may appropriate any amounts into them. A two-thirds vote of town meeting is required to establish, amend the purpose of, or appropriate money from a stabilization fund. A majority vote of town meeting is required to appropriate money into a stabilization fund.

## **MUNICIPAL FINANCE TERMS RELATED TO CAPITAL IMPROVEMENTS**

**CAPITAL ASSETS:** – Any tangible property used in the operation of government that is not easily converted into cash and that has an initial useful life extending beyond a single financial reporting period. Capital assets include land and land improvements; infrastructure, such as roads, bridges, water and sewer lines; easements; buildings and building improvements; vehicles, machinery and equipment. Communities typically define capital assets in terms of a minimum useful life and minimum initial cost.

**CAPITAL BUDGET:** An appropriation or spending plan that uses borrowing or direct outlay for capital or fixed asset improvements. Among other information, a capital budget should identify the method to finance each recommended expenditure (e.g., tax levy or rates) and identify those items that were not recommended.

**CAPITAL IMPROVEMENTS PROGRAM:** – A blueprint for planning a community's capital expenditures that comprises an annual capital budget and a five-year capital plan. It coordinates community planning, fiscal capacity, and physical development. While all the community's needs should be identified in the program, there is a set of criteria that prioritize the expenditures.

**CAPITAL OUTLAY:** The exchange of one asset (cash) for another (capital asset) with no ultimate effect on net assets. Also known as "pay as you go," it is the appropriation and use of available cash to fund a capital improvement, as opposed to incurring debt to cover the cost.

**FIXED ASSETS:** – Long-lived, tangible assets, such as buildings, equipment and land, obtained or controlled as a result of past transactions or circumstances.

## **MUNICIPAL FINANCE TERMS RELATED TO PROPOSITION 2 ½ TERMS**

Chapter 59, Section 21C of the Massachusetts General Laws commonly referred to as Proposition 2 ½ (Prop. 2 ½) or the Tax Limiting Law for Cities and Towns in Massachusetts.

**CAPITAL OUTLAY EXPENDITURE EXCLUSION:** A temporary increase in the tax levy to fund a capital project or to make a capital acquisition. Such an exclusion requires a two-thirds vote of the selectmen or city council (sometimes with the mayor's approval) and a majority vote in a communitywide referendum. The exclusion is added to the tax levy only during the year in which the project is being funded and may increase the tax levy above the levy ceiling.

**CONTINGENT APPROPRIATION:** An appropriation that authorizes spending for a particular purpose only if subsequently approved in a voter referendum. Under MGL c. 59 § 21C (m), towns may make appropriations from the tax levy, available funds, or borrowing contingent on the subsequent passage of a Proposition 2½ override or exclusion question for the same purpose. If initially approved at an annual town meeting, voter approval of the contingent appropriation must occur by September 15. Otherwise, the referendum vote must occur within 90 days after the town meeting dissolves. The question may be placed before the voters at more than one election, but if the appropriation is not approved by the applicable deadline, it is null and void. If contingent appropriations are funded through

property taxes, DLS cannot approve the tax rate until the related override or exclusion question is resolved or the deadline passes, whichever occurs first.

DEBT EXCLUSION: An action taken by a community through a referendum vote to raise the funds necessary to pay debt service costs for a particular project from the property tax levy but outside of the limits under Proposition 2<sup>1/2</sup>. By approving a debt exclusion, a community calculates its annual levy limit under Proposition 2<sup>1/2</sup>, then adds the excluded debt service cost. The amount is added to the levy limit for the life of the debt only and may increase the levy above the levy ceiling.

LEVY: The amount a community raises through the property tax. The levy can be any amount up to the levy limit, which is reestablished every year in accordance with Proposition 2<sup>1/2</sup> provisions.

LEVY CEILING: – A levy ceiling is one of two types of levy (tax) restrictions imposed by MGL c. 59 § 21C (Proposition 2<sup>1/2</sup>). It states that, in any year, the real and personal property taxes imposed may not exceed 2<sup>1/2</sup> percent of the total full and fair cash value of all taxable property. Property taxes levied may exceed this limit only if the community passes a capital exclusion, debt exclusion, or special exclusion.

LEVY LIMIT: A levy limit is one of two types of levy (tax) restrictions imposed by MGL c. 59 § 21C (Proposition 2<sup>1/2</sup>). It states that the real and personal property taxes imposed by a city or town may only grow each year by 2<sup>1/2</sup> percent of the prior year's levy

NEW GROWTH: The additional tax revenue generated by new construction, renovations and other increases in the property tax base during a calendar year. It does not include value increases caused by normal market forces or revaluations.

OVERRIDE: A vote by a community at an election to permanently increase the levy limit. An override vote may increase the levy limit no higher than the levy ceiling. The override question on the election ballot must state a purpose for the override and the dollar amount.

OVERRIDE CAPACITY: The difference between a community's levy ceiling and its levy limit. It is the maximum amount by which a community may override its levy limit.

Note: The glossary definitions found on pages 4, 5 and 6 of this Warrant were derived from the *Municipal Glossary* published the Division of Local Services (January 2020).

The entire glossary can be found at:

<https://www.mass.gov/info-details/municipal-governance-training-and-resources>

**COMMONWEALTH OF MASSACHUSETTS  
TOWN OF HARWICH  
SPECIAL TOWN MEETING WARRANT  
OCTOBER 18, 2021**

BARNSTABLE, SS:

To either of the Constables of the Town of Harwich in said County,

Greetings:

In the name of the Commonwealth of Massachusetts you are hereby directed to notify and warn the inhabitants of said Town qualified to vote in elections and Town affairs to meet in the Community Center Gymnasium, 100 Oak Street in said Town on Monday, October 18, 2021 at 6:30 P.M., then and there to act on the following articles:

FUND COSTS RELATED TO UPDATING THE COMPREHENSIVE WASTEWATER  
MANAGEMENT PLAN (CWMP)

ARTICLE 1: To see if the Town will vote to raise and appropriate or transfer from available funds a sufficient sum of money to obtain engineering services needed to update the Comprehensive Wastewater Management Plan (CMWP), including all costs incidental and related thereto; and to act fully thereon. By request of the Board of Selectmen. Estimated cost: \$250,000.

Funding Source: Free Cash

**FINANCE COMMITTEE RECOMMENDS ADOPTION**

**ROLL CALL VOTES:**

**Finance Committee:**

To accept and adopt:

Yeas: Seven (7): Ameres, Chorey, Doucette, Kennedy, LaMantia, Tworek, Weiner

Nays: Zero (0)

**Board of Selectmen:**

To accept and adopt:

Yeas: Four (4): Anderson, Howell, Ballantine, And MacAskill

Nays: Zero (0)

FUND COSTS RELATED TO ADDITIONAL WASTEWATER COLLECTION SYSTEM  
DESIGN

ARTICLE 2: To see if the Town will vote to raise and appropriate or transfer from available funds a sufficient sum of money to obtain engineering services for additional wastewater collection system in the East Harwich area, including permitting and design, including all costs incidental and related thereto; and to act fully thereon. By request of the Board of Selectmen. Estimated cost: \$2,100,000.

Funding Source: Free Cash

**FINANCE COMMITTEE RECOMMENDS ADOPTION**

**ROLL CALL VOTES:**

**Finance Committee:**

To accept and adopt:

Yeas: Seven (7): Ameres, Chorey, Doucette, Kennedy, LaMantia, Tworek, Weiner

Nays: Zero (0)

**Board of Selectmen:**

To accept and adopt:

Yeas: Four (4): Anderson, Howell, Ballantine, And MacAskill

Nays: Zero (0)

**FUND COSTS RELATED TO WASTEWATER COLLECTION SYSTEM DESIGN ON  
CONTINENTAL DRIVE AND WHIDAH DRIVE**

**ARTICLE 3:** To see if the Town will vote to raise and appropriate or transfer from available funds a sufficient sum of money to obtain engineering services for wastewater collection system of approximately 5,500 linear feet of gravity sewer main on Continental Drive and Whidah Drive, including permitting and design, including all costs incidental and related thereto; and to act fully thereon. By request of the Board of Selectmen. Estimated cost: \$400,000.

Funding Source: Free Cash

**FINANCE COMMITTEE RECOMMENDS ADOPTION**

**ROLL CALL VOTES:**

**Finance Committee:**

To accept and adopt:

Yeas: Seven (7): Ameres, Chorey, Doucette, Kennedy, LaMantia, Tworek, Weiner

Nays: Zero (0)

**Board of Selectmen:**

To accept and adopt:

Yeas: Three (3): Anderson, Ballantine, And MacAskill

Nays: One (1): Howell

**FUND COSTS RELATED TO ROUTE 28 WASTEWATER COLLECTION SYSTEM  
DESIGN**

**ARTICLE 4:** To see if the Town will vote to raise and appropriate or transfer from available funds a sufficient sum of money to obtain engineering services for Route 28 wastewater collection system, including design and permitting, and all costs incidental and related thereto; and to act fully thereon. By request of the Board of Selectmen. Estimated cost: \$200,000.

Funding Source: Free Cash

**FINANCE COMMITTEE RECOMMENDS ADOPTION**

**ROLL CALL VOTES:**

**Finance Committee:**

To accept and adopt:

Yeas: Seven (7): Ameres, Chorey, Doucette, Kennedy, LaMantia, Tworek, Weiner

Nays: Zero (0)

**Board of Selectmen:**

To accept and adopt:

Yeas: Four (4): Anderson, Howell, Ballantine, And MacAskill

Nays: Zero (0)

**CREATE A WASTEWATER SPECIAL PURPOSE STABILIZATION FUND**

ARTICLE 5: To see if the Town will vote to accept M. G. L. Chapter 40, Section 5B, Paragraph 4, thereby creating a Wastewater Special Purpose Stabilization Fund, with monies in said Fund to be used, subject to appropriation, to implement the Town's Comprehensive Wastewater Management Plan, including the development of wastewater infrastructure; provided that twenty-five (25) percent of the rooms excise tax collected by the Town in accordance with M.G.L., Chapter 64G, §3A, be dedicated to the Wastewater Special Purpose Stabilization Fund, without further appropriation, to take effect in the fiscal year beginning on July 1, 2022; and to act fully thereon. By request of the Board of Selectmen.

**Two-Thirds Vote Required.**

**FINANCE COMMITTEE RECOMMENDS ADOPTION**

**ROLL CALL VOTES:**

**Finance Committee:**

To accept and adopt:

Yeas: Seven (7): Ameres, Chorey, Doucette, Kennedy, LaMantia, Tworek, Weiner

Nays: Zero (0)

**Board of Selectmen:**

To accept and adopt:

Yeas: Four (4): Anderson, Howell, Ballantine, And MacAskill

Nays: Zero (0)



CREATE AN AFFORDABLE HOUSING SPECIAL PURPOSE STABILIZATION FUND

ARTICLE 6: To see if the Town will vote to accept M. G. L. Chapter 40, Section 5B, Paragraph 4, thereby creating an Affordable Housing Special Purpose Stabilization Fund, with monies in said Fund to be used, subject to appropriation, for the acquisition, creation, preservation, and support of affordable housing available for occupancy by low and moderate households earning less than 100% of area wide median income as most recently determined by the United States Department of Housing and Urban Development, adjusted for household size.”; provided that twenty-five (25) percent of the rooms excise tax collected by the Town in accordance with M.G.L., Chapter 64G, §3A, be dedicated to the Affordable Housing Special Purpose Stabilization Fund, without further appropriation, to take effect on July 1, 2022; and to act fully thereon. By request of the Board of Selectmen.

**Two-Thirds Vote Required.**

**FINANCE COMMITTEE RECOMMENDS ADOPTION**

**ROLL CALL VOTES:**

**Finance Committee:**

To accept and adopt:

Yeas: Seven (7): Ameres, Chorey, Doucette, Kennedy, LaMantia, Tworek, Weiner

Nays: Zero (0)

**Board of Selectmen:**

To accept and adopt:

Yeas: Four (4): Anderson, Howell, Ballantine, And MacAskill

Nays: Zero (0)

AMEND ROOMS TAX RATE PER M.G.L., CHAPTER 64G, §3A

ARTICLE 7: To see if the Town will vote to accept the provisions of M.G.L., Chapter 64G, §3A to amend the local excise rate from 4% to 6% to take effect on January 1, 2023; and to act fully thereon. By request of the Board of Selectmen.

**FINANCE COMMITTEE RECOMMENDS ADOPTION**

**ROLL CALL VOTES:**

**Finance Committee:**

To accept and adopt:

Yeas: Seven (7): Ameres, Chorey, Doucette, Kennedy, LaMantia, Tworek, Weiner

Nays: Zero (0)

**Board of Selectmen:**

To accept and adopt:

Yeas: Four (4): Anderson, Howell, Ballantine, And MacAskill

Nays: Zero (0)

FUND NON-UNION PERSONNEL WAGE INCREASES

ARTICLE 8: To see if the Town will vote to raise and appropriate or transfer from available funds a sufficient sum of money to be added to the FY 2022 budget to fund cost-of-living adjustments (COLA) for non-union personnel covered under personal service contracts and/or the Personnel Bylaws; and to act fully thereon. By request of the Board of Selectmen.  
Estimated cost: \$53,401

Funding Source: Free Cash

**FINANCE COMMITTEE RECOMMENDS ADOPTION**

**ROLL CALL VOTES:**

**Finance Committee:**

To accept and adopt:

Yeas: Seven (7): Ameres, Chorey, Doucette, Kennedy, LaMantia, Tworek, Weiner

Nays: Zero (0)

**Board of Selectmen:**

To accept and adopt:

Yeas: Four (4): Anderson, Howell, Ballantine, And MacAskill

Nays: Zero (0)

FUND NEGOTIATED CONTRACT – FIRE FIGHTERS

ARTICLE 9: To see if the Town will vote to raise and appropriate or transfer from available funds a sufficient sum of money to be added to the FY 2022 Fire Department budget to implement the new contractual agreement between Harwich Permanent Fire Fighters, Local 2124, International Association of Fire Fighters and the Town of Harwich; and to act fully thereon. By request of the Board of Selectmen. Estimated cost: \$86,957

Funding Source: Free Cash

**FINANCE COMMITTEE RECOMMENDS ADOPTION**

**ROLL CALL VOTES:**

**Finance Committee:**

To accept and adopt:

Yeas: Seven (7): Ameres, Chorey, Doucette, Kennedy, LaMantia, Tworek, Weiner

Nays: Zero (0)

**Board of Selectmen:**

To accept and adopt:

Yeas: Four (4): Anderson, Howell, Ballantine, And MacAskill

Nays: Zero (0)

FUND NEGOTIATED CONTRACT – WATER DEPARTMENT

ARTICLE 10: To see if the Town will vote to raise and appropriate or transfer from available funds a sufficient sum of money to be added to the FY 2022 Water Department budget to implement the new contractual agreement between the International Association of Machinists and Aerospace Workers, Local Lodge 264 of District 38, A.F.L.-C.I.O. and the Town of Harwich, and to act fully thereon. By request of the Board of Selectmen. Estimated cost: \$38,245

Funding Source: Water Enterprise Retained Earnings

**FINANCE COMMITTEE RECOMMENDS ADOPTION**

**ROLL CALL VOTES:**

**Finance Committee:**

To accept and adopt:

Yeas: Seven (7): Ameres, Chorey, Doucette, Kennedy, LaMantia, Tworek, Weiner

Nays: Zero (0)

**Board of Selectmen:**

To accept and adopt:

Yeas: Four (4): Anderson, Howell, Ballantine, And MacAskill

Nays: Zero (0)

TRANSFER OF SURPLUS BOND PROCEEDS

ARTICLE 11: To see if the Town will vote to appropriate \$217,894.56 to pay costs of acquiring a fire quint apparatus, and to determine whether this amount shall be transferred from surplus bond proceeds, or otherwise provided; or take any other action relative thereto. By request of the Finance Director.

**FINANCE COMMITTEE RECOMMENDS ADOPTION**

**ROLL CALL VOTES:**

**Finance Committee:**

To accept and adopt:

Yeas: Seven (7): Ameres, Chorey, Doucette, Kennedy, LaMantia, Tworek, Weiner

Nays: Zero (0)

**Board of Selectmen:**

To accept and adopt:

Yeas: Four (4): Anderson, Howell, Ballantine, And MacAskill

Nays: Zero (0)

## LAND TAKING BY EMINENT DOMAIN

**ARTICLE 12:** To see if the Town will vote to authorize the Board of Selectmen to acquire by purchase, gift, eminent domain, or otherwise, a parcel of land consisting of 2 acres, more or less, located off Pleasant Lake Avenue, Route 124, identified as Assessor's Map 82, Parcel R5, for affordable housing purposes; and to raise and appropriate or transfer from available funds a sufficient sum of money for said acquisition, including all costs incidental and related thereto, provided that upon acquisition of said parcel by the Town, said parcel be transferred to the Harwich Affordable Housing Trust to be held for affordable housing purposes; and to authorize the Board of Selectmen to enter into all agreements and take any and all actions as may be necessary or convenient to accomplish the foregoing purposes; and to act fully thereon. By request of the Board of Selectmen. Estimated Cost: \$25,000

Funding Source: Free Cash

**Two-thirds vote required.**

### **FINANCE COMMITTEE RECOMMENDS ADOPTION**

#### **ROLL CALL VOTES:**

##### **Finance Committee:**

To accept and adopt:

Yeas: Seven (7): Ameres, Chorey, Doucette, Kennedy, LaMantia, Tworek, Weiner

Nays: Zero (0)

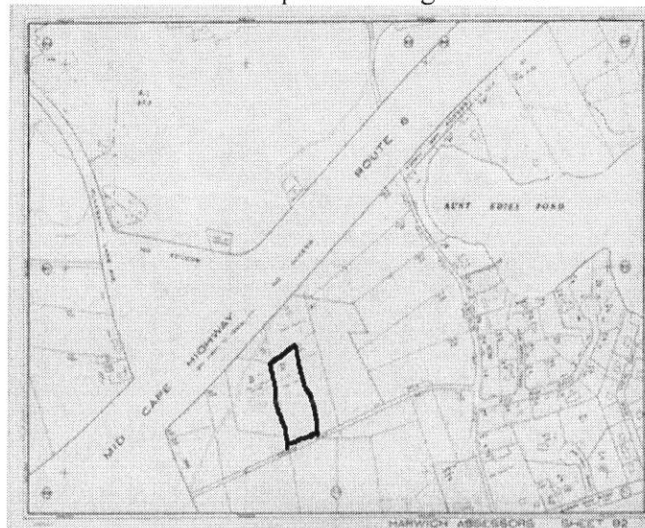
##### **Board of Selectmen:**

To accept and adopt:

Yeas: Four (4): Anderson, Howell, Ballantine, And MacAskill

Nays: Zero (0)

Assessor's Map 82 Showing Parcel R5



PURCHASE AND EQUIP A FIRE DEPARTMENT AMBULANCE

ARTICLE 13: To see if the Town will vote to raise and appropriate, transfer from available funds or borrow a sufficient sum of money as may be required to purchase and equip one ambulance for the Fire Department; and to act fully thereon. By request of the Fire Chief. Estimated cost: \$378,676.00.

Funding Source: Free Cash

**FINANCE COMMITTEE RECOMMENDS ADOPTION**

**ROLL CALL VOTES:**

**Finance Committee:**

To accept and adopt:

Yeas: Seven (7): Ameres, Chorey, Doucette, Kennedy, LaMantia, Tworek, Weiner

Nays: Zero (0)

**Board of Selectmen:**

To accept and adopt:

Yeas: Four (4): Anderson, Howell, Ballantine, And MacAskill

Nays: Zero (0)

FUND PRIOR YEAR'S UNPAID BILLS

ARTICLE 14: To see if the Town will vote to raise and appropriate or transfer from available funds a sufficient sum of money to pay unpaid bills of prior years as provided for in M.G.L. Ch. 44, Section 64, and to act fully thereon. By request of the Finance Director. Estimated cost: \$10,405.33

<b>Invoice/Debt</b>	<b>Description</b>	<b>Amount</b>	<b>Source</b>
112	Rock Harbor Respite	300.00	Free Cash
308832	Baskin's Ace Hardware	8.98	Free Cash
50221	Horsley Whitten Group	6,865.13	Water Retained Earnings
5518-17680	National Grid	470.20	Free Cash
8773 10 273 0122241	Comcast	114.77	Free Cash
16992	Guardian Info. Technologies	326.25	Free Cash
2020-15793	Structures North	1,360.00	CPC ATM 19 #41
2021-15931	Structures North	320.00	CPC ATM 19 #41
2021-16014	Structures North	640.00	CPC ATM 19 #41
	<b>Total:</b>	<b>\$10,405.33</b>	

**Nine-tenths vote required.**

**FINANCE COMMITTEE RECOMMENDS ADOPTION**

**ROLL CALL VOTES:**

**Finance Committee:**

To accept and adopt:

Yeas: Seven (7): Ameres, Chorey, Doucette, Kennedy, LaMantia, Tworek, Weiner

Nays: Zero (0)

**Board of Selectmen:**

To accept and adopt:

Yeas: Four (4): Anderson, Howell, Ballantine, And MacAskill

Nays: Zero (0)

Hereof fail not to make return of the Warrant with your doings thereon at the time and place of said meeting.

Given under our hands this 20th day of September, 2021.

\_\_\_\_\_  
Michael D. MacAskill, Chair

\_\_\_\_\_  
Mary E. Anderson, Clerk

\_\_\_\_\_  
Larry G. Ballantine

\_\_\_\_\_  
Donald F. Howell

BOARD OF SELECTMEN

A true copy Attest:

\_\_\_\_\_  
Constable

## VI. NEW BUSINESS

C. Department Website URL



## Sandra Sieger

---

**From:** Sandra Sieger  
**Sent:** Tuesday, July 20, 2021 11:41 AM  
**To:** 'Dan Pelletier (dpelletier@harwichwater.com)'  
**Subject:** Domain Name & Options

Hi Dan,

I just did a little surfing to see what is out there for water and sewer websites. Most of the domain names are tied to the town.gov domain with a forward slash. All of the following, of course, are available:

harwichwaterandsewer.com  
harwichwaterwastewater.com  
harwichpublicutilities.com  
harwichutilities.com

Using "utilities" in the domain may result in typos with all the "i"'s.

The document with links to various options can be found here → [X:\Wastewater\Website\Water & Sewer Websites.docx](#).

Just let me know what domain we want to use and I will reach out to Shelli.

Thank you,

Sandy

Sandra Cummings Sieger | Comptroller  
[Harwich Water Department](#) | 508.432.0304 x103  
[Town of Harwich, Massachusetts](#)

# VI. NEW BUSINESS

## D. Department Staffing Plan

					REVISED	ORIGINAL	DELTA	
SALARIES ELECTED OFFICIALS								
	#MEMB	SALARY	TOTAL					
Board of Water Commissioners	5 MEMBERS	5	1,000.00	5,000				
TOTAL SALARIES ELECTED OFFICIALS					5,000	3,000	-2,000	
	52.2	2,088						
	RATE	HRS	OT_RATE	TOTAL	WWTR			
Water Laborer	20.81	624	31.22	12,985		12,985		
Water Laborer (Regrade DMO1)	22.89	1,464	34.34	33,511		33,511		
Administrative Assistant	28.56	2,088	42.84	59,633	2,982	56,652		
Electrician Journeyman	31.99	2,088	47.99	66,795		66,795		
Distribution Operations Foreman	35.11	2,088	52.67	73,310		73,310		
Assistant Superintendent	40.18	2,088	60.27	83,896		83,896		
Sec Distribution Operator D2	23.93	944	35.90	22,590		22,590		
Sec Distribution Operator D2	24.87	1,144	37.31	28,451	1,423	27,029		
Distribution Mechanic/Operator II	27.57	2,088	41.36	57,566		57,566		
Executive Assistant	31.48	2,088	47.22	65,730	3,287	62,444		
Secondary Distribution Operator D3	30.69	1,044	46.04	32,040		32,040		
Treatment Operator T2 RECLASS	33.06	1,044	49.59	34,515		34,515		
Treatment Operator T2 JULY-DEC 2021	33.55	1,044	50.33	35,026		35,026		
VACANCY JAN-JUNE 2022	0.00	0	0.00	0		0		
Treatment Operator T2	32.41	632	48.62	20,483		20,483		
Treatment Operator T2	33.55	1,456	50.33	48,849		48,849		
Superintendent 2-STEP	2,545.69	52		132,885	66,443	66,443		
Primary Disribution JULY 2021-JAN 2022	31.99	1,204	47.99	38,516		38,516		
VACANCY FEB-JUNE 2022		0	0.00	0		0		
Distribution Mechanic/Operator III	29.13	2,088	43.70	60,823		60,823		
Water Comptroller	36.44	2,088	54.66	76,087	3,804	72,282		
NEW HIRE_1 JAN-JUNE 2022	23.93	1,044	35.90	24,983		24,983		
NEW HIRE_2 JAN-JUNE 2022	23.93	1,044	35.90	24,983		24,983		
NEW HIRE_1 NOV-DEC 2021 (9 WEEKS)	23.93	360	35.90	8,615		8,615		
NEW HIRE_2 NOV-DEC 2021 (9 WEEKS)	23.93	360	35.90	8,615		8,615		
TOTAL S&W REVISED				1,050,888	77,938	972,950	965,185	-7,765
TOTAL RETIREMENT PAYOUT					23,404	0	-23,404	
SEASONAL S&W								
	RATE	HRS	#_WKS	TOTAL				
Seasonal Laborer x 3 positions REMOVED COLA	17.50	120	16.00	33,946				
TOTAL SEASONAL S&W					0	33,946	33,946	
OVERTIME					1,460.0			
Distribution Standby OT		HRS	OT_RATE	TOTAL				
Distribution Operations Foreman		486.7	52.67	25,630				
Distribution Mechanic/Operator II		486.7	41.36	20,126				
Secondary Distribution Operator D3		486.7	46.04	22,404				
Subtotal Distribution Standby		1,460.0		68,160				
Treatment Standby OT		1,924.0						
Treatment Operator T2		641.33	50.33	32,275				
Treatment Operator T2		641.33	50.33	32,275				
Primary Disribution Operator		641.33	47.99	30,774				
Subtotal Treatment Standby		1,924.00		95,325				
Emergency & Unplanned OT		HRS	AVG OT					
FY20 OT Hours less Standby & Flushing		860.5	44.94	38,669				
Subtotal Emergency & Unplanned OT								

					REVISED	ORIGINAL	DELTA
<b>TOTAL OVERTIME</b>					202,153	202,276	123
FLUSHING OT	ALCULATIC	HRS	OT_RATE	TOTAL			
Water Laborer		84.0	34.34	2,884			
Distribution Operations Foreman	48	84.0	52.67	4,424			
Assistant Superintendent	20	84.0	60.27	5,063			
Distribution Mechanic/Operator II	960	84.0	41.36	3,474			
Secondary Distribution Operator D3	2	84.0	46.04	3,867			
Sec Distribution Operator D2	1920	84.0	37.31	3,134			
Primary Disribution Operator	35%	84.0	47.99	4,031			
Distribution Mechanic/Operator III	672	84.0	43.70	3,670			
<b>TOTAL FLUSHING OT</b>					30,546	30,618	72
LONGEVITY	%_AMT	SALARY	TOTAL				
<b>TOTAL LONGEVITY</b>					25,140	32,379	7,239
	EST	IAMAW	EST	TOTAL			
	3	325	5	2,675			
<b>TOTAL SICK LEAVE BONUS PER CONTRACT</b>					2,675	3,325	650
<b>TOTAL SALARY &amp; WAGES</b>					1,261,869	1,270,729	8,860

## VI. NEW BUSINESS

### E. Solar Revenue

**Solar Revenue History**

All Sources

Fiscal Year	57% / 43%	100%
	Town / Water	Lothrop Tank
FY16	121,346.51	
FY17	143,338.06	
FY18	104,230.37	
FY19	145,634.95	
FY20	104,081.26	
FY21	88,216.89	6,234.55
FY22 YTD	<u>50,724.78</u>	<u>8,074.71</u>
<b>Total</b>	<b>757,572.82</b>	<b>14,309.26</b>

Notes: Lothrop Tank Revenue Period = 11 Months; July 22 2020 - June 21 2021

**Solar Revenue**  
Lothrop Tank Detail

Total Revenue        14,309.26    as of 9/21/21

PERIOD	FY	AMOUNT	kWh Share	CK Date	CK NO	CK AMT	PERIOD / COMMENTS
08/20/20	2021	693.42	32,041.53	09/30/20	4718	693.42	Jul 22 - Aug 20 2020
09/21/20	2021	759.71	35,486.04	10/28/20	4781	759.71	Aug 20 - Sep 21 2020
10/21/20	2021	1,181.77	55,125.04	12/16/20	4870	1,181.77	Sep 21 - Oct 21 2020
11/20/20	2021	1,013.92	47,314.72		4906	1,013.92	Oct 21 - Nov 20 2020
12/22/20	2021	662.41	30,958.31	12/22/20	5022	662.41	Nov 20 - Dec 22 2020
01/22/21	2021	967.22	40,042.06	03/24/21	5058	0.00	Dec 22 2020 - Jan 22 2021
02/22/21	2021	956.10	37,834.79	03/31/21	5088	1,923.32	Jan 22 2021 - Feb 22 2021
03/22/21	2022	1,788.95	70,689.09	06/23/21	5250	1,788.95	Feb 22 - Mar 22 2021
04/22/21	2022	1,801.84	67,293.30	09/10/21	5331*	1,801.84	Mar 22 - Apr 22 2021
05/21/21	2022	2,073.57	75,726.19	09/10/21	5331*	2,073.57	Apr 22 - May 21 2021
06/21/21	2022	2,410.35	88,007.64	09/21/21	5331*	2,410.35	May 21 - June 21 2021

\* Payment delayed due to meter read issue, now resolved / check date 9/10/21



**Solar Revenue**

Town; Water Department Detail

**Total Revenue thru 9/21/21                    757,572.82**

YEAR	EFF DATE	AMOUNT
2016	10/31/2015	66,800.00
2016	12/15/2015	8,850.00
2016	02/24/2016	12,990.49
2016	03/31/2016	3,184.46
2016	04/30/2016	7,236.69
2016	05/24/2016	12,010.87
2016	06/20/2016	10,274.00
2017	08/31/2016	14,676.64
2017	08/31/2016	17,595.95
2017	08/31/2016	17,874.27
2017	10/31/2016	13,817.16
2017	12/28/2016	13,351.16
2017	12/31/2016	8,098.10
2017	12/31/2016	10,380.59
2017	04/10/2017	4,670.94
2017	04/10/2017	5,557.48
2017	04/19/2017	5,792.99
2017	05/22/2017	8,912.33
2017	06/16/2017	22,610.45
2018	08/03/2017	27,564.64
2018	10/23/2017	10,148.67
2018	11/28/2017	12,924.60
2018	12/05/2017	10,144.88
2018	01/03/2018	7,955.78
2018	02/21/2018	5,675.16
2018	02/26/2018	4,519.71
2018	04/02/2018	6,276.88
2018	04/27/2018	7,269.90
2018	05/16/2018	11,750.15
2019	07/10/2018	17,074.45
2019	07/25/2018	16,694.94
2019	08/15/2018	18,729.23
2019	09/04/2018	14,683.47
2019	10/18/2018	13,873.58
2019	11/21/2018	9,897.88
2019	12/18/2018	7,218.31
2019	01/16/2019	7,043.95
2019	03/18/2019	6,514.42
2019	03/29/2019	5,568.29
2019	04/24/2019	8,384.80
2019	05/15/2019	11,037.52

YEAR	EFF DATE	AMOUNT
2019	06/21/2019	8,914.11
2020	07/24/2019	12,171.74
2020	08/12/2019	16,536.18
2020	09/23/2019	8,709.58
2020	10/31/2019	7,929.10
2020	12/02/2019	6,519.50
2020	12/23/2019	7,448.33
2020	02/07/2020	5,580.78
2020	02/14/2020	4,042.29
2020	04/10/2020	6,641.29
2020	05/06/2020	8,053.75
2020	05/22/2020	11,453.05
2020	06/12/2020	8,995.67
2021	07/08/2020	12,180.45
2021	07/30/2020	11,144.00
2021	10/16/2020	12,618.30
2021	11/25/2020	7,915.26
2021	01/06/2021	7,311.67
2021	01/26/2021	2,978.23
2021	03/03/2021	3,848.96
2021	05/04/2021	15,578.21
2021	05/18/2021	14,641.81
2022	07/07/2021	16,888.33
2022	07/20/2021	18,286.04
2022	08/18/2021	15,550.41



# VI. NEW BUSINESS

H. Billing Update



10/01/2021 11:56  
wmarsh

TOWN OF HARWICH - LIVE DATA  
UB Charge Proof/Register

P 1  
ubproof

Run: 1 Commitment: 092021 Summary  
Charge Code: To: ZZZZZZ  
Group Code: To: ZZZZ Sequence by ACCOUNT/CHARGE CODE

Begin: 06/25/2021 End: 09/28/2021  
Bill: 10/01/2021 Due: 11/08/2021  
Int/Penalty: 11/08/2021

	Cat	Base/Flat	Usage\$/Usage	Demand/Usage	KVAR/Usage	Rate Adj	Subject To	Net Total	Count
<b>Summary by CHARGE CODE</b>									
1FSPRK FIRE SPRINKLER	60	6760.00	.00	.00	.00	.00		6760.00	104
1TOWNS TOWN USAGE	60	.00	.00	.0000	.0000	.00		.00	1
1WATER WATER USAGE	60	452385.00	480,000 1473550.40	.0000	.0000	.00		1925935.40	10072
2RESFR RESIDENTIAL FIRE S	60	1040.00	356,766,000 .00	.0000	.0000	.00		1040.00	26
3SEASN SEASONAL	60	20350.00	.00	.0000	.0000	.00		20350.00	407
3STIP SERVICE TIGHT RENEW	60	23766.00	0 .00	.0000	.0000	.00		23766.00	1398
Summary Totals ----->		504301.00	1473550.40 357,246,000	.00 .0000	.00 .0000	.00	.00	1977851.40	12008
<b>Summary by DISTRICT</b>									
1 CYCLE 1	60	504301.00	1473550.40 357,246,000	.00 .0000	.00 .0000	.00		1977851.40	12008
Summary Totals ----->		504301.00	1473550.40 357,246,000	.00 .0000	.00 .0000	.00	.00	1977851.40	12008
<b>Summary by GROUP</b>									
10	60	12487.00	68124.50	.00	.00	.00		80611.50	294
100	60	12816.00	14,230,000 44808.98	.0000	.0000	.00		57624.98	301
105	60	11689.00	10,015,000 21204.79	.0000	.0000	.00		32893.79	279
110	60	11556.00	5,639,000 34675.59	.0000	.0000	.00		46231.59	281
115	60	6806.00	8,308,000 11109.83	.0000	.0000	.00		17915.83	156
120	60	10842.00	2,944,000 28415.84	.0000	.0000	.00		39257.84	256
130	60	8985.00	6,960,000 57851.55	.0000	.0000	.00		66836.55	208
135	60	13019.00	11,850,000 67837.73	.0000	.0000	.00		80856.73	305
140	60	8530.00	14,773,000 33289.95	.0000	.0000	.00		41819.95	207
145	60	5541.00	7,637,000 10093.32	.0000	.0000	.00		15634.32	131
150	60	18023.00	2,901,000 39573.75	.0000	.0000	.00		57596.75	439
155	60	6604.00	10,433,000 21832.48	.0000	.0000	.00		28436.48	160
157	60	9654.00	5,195,000 25903.83	.0000	.0000	.00		35557.83	234
160	60	18301.00	6,552,000 48189.09	.0000	.0000	.00		66490.09	441
170	60	10369.00	12,018,000 27636.87	.0000	.0000	.00		38005.87	249

10/01/2021 11:56  
wmarsh

**TOWN OF HARWICH - LIVE DATA**  
UB Charge Proof/Register

P 2  
ubproof

Run: 1 Commitment: 092021 Summary  
Charge Code: To: ZZZZZZ  
Group Code: To: ZZZZ Sequence by ACCOUNT/CHARGE CODE

Begin: 06/25/2021 End: 09/28/2021  
Bill: 10/01/2021 Due: 11/08/2021  
Int/Penalty: 11/08/2021

	Cat	Base/Flat	Usage\$/ Usage	Demand/ Usage	KVAR/ Usage	Rate Adj	Subject To	Net Total	Count
<b>Summary by GROUP</b>									
172	60	9839.00	6,862,000 26072.85	.0000 .00	.0000 .00	.00		35911.85	223
175	60	12855.00	6,337,000 36395.66	.0000 .00	.0000 .00	.00		49250.66	301
176	60	8948.00	9,342,000 26036.57	.0000 .00	.0000 .00	.00		34984.57	210
180	60	7092.00	6,459,000 21295.14	.0000 .00	.0000 .00	.00		28387.14	171
182	60	22718.00	4,983,000 54703.00	.0000 .00	.0000 .00	.00		77421.00	553
184	60	14596.00	13,977,000 44138.49	.0000 .00	.0000 .00	.00		58734.49	364
187	60	23292.00	10,889,000 56993.07	.0000 .00	.0000 .00	.00		80285.07	564
189	60	6679.00	14,951,000 15317.17	.0000 .00	.0000 .00	.00		21996.17	165
190	60	25764.00	4,096,000 77373.23	.0000 .00	.0000 .00	.00		103137.23	624
194	60	17400.00	18,754,000 48536.16	.0000 .00	.0000 .00	.00		65936.16	427
198	60	15463.00	12,703,000 29343.03	.0000 .00	.0000 .00	.00		44806.03	380
20	60	12262.00	8,173,000 29325.15	.0000 .00	.0000 .00	.00		41587.15	283
200	60	12674.00	7,591,000 45207.76	.0000 .00	.0000 .00	.00		57881.76	307
205	60	9216.00	10,352,000 24273.51	.0000 .00	.0000 .00	.00		33489.51	216
210	60	14267.00	6,185,000 32810.29	.0000 .00	.0000 .00	.00		47077.29	351
30	60	11809.00	8,672,000 35381.95	.0000 .00	.0000 .00	.00		47190.95	284
35	60	8570.00	8,572,000 3456.01	.0000 .00	.0000 .00	.00		12026.01	190
365	60	12055.00	1,669,000 33452.94	.0000 .00	.0000 .00	.00		45507.94	294
40	60	8824.00	8,427,000 17641.16	.0000 .00	.0000 .00	.00		26465.16	215
45	60	6172.00	4,597,000 15631.54	.0000 .00	.0000 .00	.00		21803.54	152
50	60	10500.00	4,061,000 51627.52	.0000 .00	.0000 .00	.00		62127.52	248
55	60	5949.00	11,345,000 22325.31	.0000 .00	.0000 .00	.00		28274.31	139
60	60	7525.00	5,271,000 34836.27	.0000 .00	.0000 .00	.00		42361.27	182
65	60	6551.00	7,840,000 16583.89	.0000 .00	.0000 .00	.00		23134.89	155
70	60	8976.00	4,199,000 19934.65	.0000 .00	.0000 .00	.00		28910.65	207
75	60	9332.00	4,970,000 38308.68	.0000 .00	.0000 .00	.00		47640.68	222
80	60	12810.00	8,693,000 44628.04	.0000 .00	.0000 .00	.00		57438.04	302
			10,399,000	.0000	.0000				





10/01/2021 11:56  
wmarsh

TOWN OF HARWICH - LIVE DATA  
UB Charge Proof/Register

P 3  
|ubbproof

Run: 1 Commitment: 092021 Summary Begin: 06/25/2021 End: 09/28/2021  
Charge Code: To: ZZZZZZ Bill: 10/01/2021 Due: 11/08/2021  
Group Code: To: ZZZZ Int/Penalty: 11/08/2021

Sequence by ACCOUNT/CHARGE CODE

	Cat	Base/Flat	Usage\$/Usage	Demand/Usage	KVAR/Usage	Rate Adj	Subject To	Net Total	Count
<b>Summary by GROUP</b>									
8001	60	3380.00	.00	.00	.00	.00		3380.00	52
			0	.0000	.0000				
8002	60	3315.00	.00	.00	.00	.00		3315.00	51
			0	.0000	.0000				
90	60	10181.00	31373.26	.00	.00	.00		41554.26	234
			7,422,000	.0000	.0000				
9000	60	65.00	.00	.00	.00	.00		65.00	1
			0	.0000	.0000				
Summary Totals ----->		504301.00	1473550.40	.00	.00	.00	.00	1977851.40	12008
			357,246,000	.0000	.0000				

<b>Summary by CHARGE TYPE/CODE</b>									
Service 1FSPRK FIRE SPRIN	60	6760.00	.00	.00	.00	.00		6760.00	104
			0	.0000	.0000				
Service 1TOWNS TOWN USAGE	60	.00	.00	.00	.00	.00		.00	1
			480,000	.0000	.0000				
Service 1WATER WATER USAG	60	452385.00	1473550.40	.00	.00	.00		1925935.40	10072
			356,766,000	.0000	.0000				
Service 2RESFR RESIDENTIA	60	1040.00	.00	.00	.00	.00		1040.00	26
			0	.0000	.0000				
Service 3SEASN SEASONAL	60	20350.00	.00	.00	.00	.00		20350.00	407
			0	.0000	.0000				
Service 3STIP SERVICE TIG	60	23766.00	.00	.00	.00	.00		23766.00	1398
			0	.0000	.0000				
Summary Totals ----->		504301.00	1473550.40	.00	.00	.00	.00	1977851.40	12008
			357,246,000	.0000	.0000				

Total Active Accounts: 10184

\*\* END OF REPORT - Generated by Wellesley Marsh \*\*

BOARD OF WATER/WASTEWATER COMMISSIONERS, CHAIRMAN

Signature	DocuSigned by:	Date
X	Gary Carneiro	10/1/2021   11:17:49 AM PDT
	F1BD7C72A049438...	

cc: Treasurer  
Finance Director  
BOWWC Packet

## IX. CORRESPONDENCE/ANY OTHER BUSINESS

Month/Year August 2021

PWS No. 4126000

## Monthly Pumpage Report Harwich Water Department

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	191,290	171,175	151,104	321,994	228,255	285,917	458,753	419,254	442,031	420,453	433,452	462,378	509,639	454,964
2	169,859	151,328	130,928	287,161	201,723	254,350	397,295	362,521	382,625	363,146	380,392	405,960	435,131	399,244
3	161,884	144,328	126,199	268,728	190,701	238,821	382,534	350,320	369,376	350,709	388,921	416,532	435,115	417,276
4	167,843	149,440	131,480	276,327	197,485	246,312	399,536	365,399	385,433	366,109	361,721	382,807	438,761	350,809
5	119,485	106,744	94,332	195,782	140,317	174,342	285,670	262,211	276,226	262,402	275,260	292,449	314,648	288,207
6	150,185	133,959	116,723	251,470	177,904	222,799	352,654	323,002	340,348	323,313	339,790	361,264	386,810	355,678
7	144,444	128,250	112,231	240,980	170,587	213,531	339,933	311,212	328,211	311,826	327,058	347,941	375,199	342,629
8	166,610	145,572	128,641	271,441	193,596	241,283	389,535	357,119	376,638	356,854	405,790	434,152	423,947	434,914
9	175,170	158,065	138,630	293,976	209,441	261,434	421,712	384,405	405,760	385,574	372,320	394,253	466,510	381,510
10	137,664	122,953	108,535	226,218	162,062	201,633	328,295	300,861	317,262	301,321	316,351	336,623	361,538	331,225
11	151,500	135,363	116,795	255,669	180,200	226,609	354,598	323,821	341,742	324,315	343,871	369,908	388,867	351,061
12	163,347	146,277	127,567	271,376	193,040	241,592	386,349	354,375	373,464	354,796	377,264	401,169	425,238	395,514
13	195,333	175,491	152,316	325,972	231,540	290,578	463,009	423,112	446,349	423,849	433,630	459,821	507,998	449,033
14	189,255	168,501	147,625	306,634	220,477	274,452	447,291	409,954	432,043	409,921	460,634	489,604	486,006	479,447
15	190,203	173,326	151,614	316,925	227,194	283,334	459,768	420,128	442,995	421,083	410,351	437,774	510,831	430,843
16	188,072	169,067	145,172	315,036	222,546	280,201	438,998	404,161	425,980	404,828	422,484	450,794	482,912	443,426
17	187,039	165,396	144,445	306,747	218,480	273,695	437,969	400,570	422,290	400,483	428,550	456,113	474,650	449,128
18	156,050	165,223	128,311	307,644	218,087	274,132	434,637	394,602	416,153	395,527	455,748	482,833	529,664	408,802
19	141,327	131,571	114,904	243,999	173,649	217,549	348,449	318,363	335,904	318,834	339,411	364,520	382,161	366,983
20	174,296	160,826	139,281	302,488	213,675	268,979	423,034	386,598	407,754	387,173	399,424	422,537	464,349	415,937
21	168,552	151,987	132,356	283,910	201,431	253,043	401,294	367,650	387,858	367,661	416,763	446,305	296,482	439,984
22	152,863	139,537	123,038	255,721	183,852	228,837	372,909	341,008	359,625	342,219	327,166	344,903	410,933	333,329
23	149,911	134,284	117,953	247,709	177,443	221,494	358,039	326,719	344,637	327,264	340,847	295,102	392,524	359,842
24	133,847	119,666	106,160	218,826	157,579	195,744	320,424	293,807	309,737	293,886	308,675	328,544	352,584	323,074
25	173,527	154,724	134,112	291,123	205,848	258,828	406,255	371,499	391,988	371,855	356,678	380,611	408,033	379,321
26	158,022	142,023	123,571	266,223	188,888	237,563	375,410	342,598	361,308	343,783	360,527	386,997	386,005	398,648
27	194,903	176,843	154,677	327,983	233,689	293,244	469,286	428,484	452,210	429,210	421,621	447,469	514,946	432,388
28	182,190	162,508	144,026	295,983	213,773	266,123	437,000	399,689	421,311	400,474	419,575	446,765	479,828	439,506
29	178,130	158,885	139,817	290,873	208,892	261,022	423,716	387,359	408,315	387,552	406,119	432,923	464,930	426,219
30	170,844	152,247	131,732	286,665	202,442	255,536	399,653	364,463	384,529	365,193	382,306	408,173	437,893	401,363
31	149,498	131,553	116,084	241,717	173,499	216,135	350,334	321,657	338,877	321,331	340,347	361,770	378,072	362,421
<b>Pumps :</b>	<b>5,133,145</b>	<b>4,627,113</b>	<b>4,030,360</b>	<b>8,593,302</b>	<b>6,118,294</b>	<b>7,659,114</b>	<b>12,264,340</b>	<b>11,216,923</b>	<b>11,828,978</b>	<b>11,232,946</b>	<b>11,753,046</b>	<b>12,448,994</b>	<b>13,322,204</b>	<b>12,242,725</b>
<b>MIN :</b>	<b>119,485</b>	<b>106,744</b>	<b>94,332</b>	<b>195,782</b>	<b>140,317</b>	<b>174,342</b>	<b>285,670</b>	<b>262,211</b>	<b>276,226</b>	<b>262,402</b>	<b>275,260</b>	<b>292,449</b>	<b>296,482</b>	<b>288,207</b>
<b>MAX :</b>	<b>195,333</b>	<b>176,843</b>	<b>154,677</b>	<b>327,983</b>	<b>233,689</b>	<b>293,244</b>	<b>469,286</b>	<b>428,484</b>	<b>452,210</b>	<b>429,210</b>	<b>460,634</b>	<b>489,604</b>	<b>529,664</b>	<b>479,447</b>
<b>STATIONS :</b>	<b>48,425,667</b>							<b>34,278,847</b>			<b>24,202,040</b>		<b>13,322,204</b>	<b>12,242,725</b>
<b>TOTAL :</b>	<b>132,471,483</b>													

Month/Year August 2020

PWS No. 4126000

## Monthly Pumpage Report Harwich Water Department

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	225,122	225,166	163,130	392,694	262,837	320,667	493,924	451,748	476,549	452,170	473,824	488,479	542,465	497,025				
2	249,870	249,933	181,121	431,393	289,929	353,031	548,953	501,563	529,355	502,308	526,260	542,521	601,945	552,049				
3	248,450	246,669	178,341	431,093	287,894	354,881	540,907	494,254	521,526	494,437	549,721	570,049	589,069	583,939				
4	222,748	224,406	162,779	389,389	261,207	319,668	493,846	438,181	462,001	439,632	442,055	452,620	545,974	457,430				
5	240,303	240,005	173,735	415,686	279,219	342,969	527,286	482,044	508,684	482,675	505,602	523,169	578,797	530,823				
6	224,917	224,890	163,092	385,186	259,454	314,616	494,081	451,864	476,750	452,380	473,528	488,262	542,394	497,172				
7	247,144	245,410	177,539	428,813	286,952	352,674	538,188	491,915	519,245	491,978	537,920	555,928	586,370	564,370				
8	231,834	234,430	169,436	406,484	272,457	333,334	513,616	469,746	495,541	470,860	470,178	484,789	568,231	493,797				
9	252,592	251,111	181,877	433,858	291,720	356,815	551,753	504,205	532,179	504,410	547,631	565,608	600,680	575,045				
10	252,448	252,322	182,806	434,143	291,730	357,720	554,023	506,446	534,376	507,160	543,035	563,468	608,026	577,027				
11	250,791	252,491	183,355	429,118	289,667	350,983	554,919	507,237	535,304	508,282	501,489	514,393	613,339	518,702				
12	257,025	256,073	186,251	438,286	295,938	361,337	563,756	514,424	542,577	514,937	538,103	555,714	614,449	567,481				
13	224,822	224,811	163,035	385,210	259,289	314,957	493,924	451,930	476,881	452,746	471,720	486,152	546,663	497,252				
14	245,781	244,371	176,625	426,962	285,440	352,166	535,389	489,275	516,333	489,412	544,785	564,782	583,176	578,220				
15	232,434	234,390	169,619	402,869	271,390	331,268	514,377	470,482	496,314	471,780	462,296	473,505	568,842	478,199				
16	186,131	185,830	134,643	318,914	215,812	262,533	408,846	373,361	393,973	373,785	391,663	403,929	448,243	410,801				
17	175,572	175,418	127,211	302,840	203,971	248,162	385,322	351,801	218,736	352,087	373,972	385,660	422,621	399,181				
18	163,253	163,574	118,740	279,357	188,363	226,010	357,149	328,346	346,025	328,869	354,360	360,267	431,746	371,577				
19	198,478	199,043	144,344	341,652	229,998	281,180	434,107	402,453	424,411	402,826	408,958	418,601	483,222	421,559				
20	197,530	197,486	143,234	336,525	227,183	273,747	432,584	387,620	408,858	388,030	406,809	415,264	465,221	438,898				
21	238,668	238,677	172,824	413,618	277,747	340,811	523,688	478,737	505,168	479,356	502,165	517,312	574,534	526,750				
22	215,871	216,036	156,475	375,262	251,958	308,602	474,598	434,045	458,023	434,581	455,312	468,504	521,035	477,635				
23	228,129	227,743	165,689	392,736	264,468	323,148	501,102	458,267	483,510	458,768	480,594	495,042	549,884	503,951				
24	235,125	234,779	170,182	408,219	273,948	337,443	515,692	471,428	497,436	471,945	494,518	510,131	562,841	516,523				
25	203,753	203,308	147,533	352,388	236,560	289,772	446,793	407,097	428,068	408,147	429,043	440,762	490,982	450,047				
26	218,390	218,133	158,092	357,299	252,892	308,651	479,089	438,577	462,698	439,173	459,916	473,375	526,531	482,633				
27	163,333	163,088	118,447	279,129	188,556	228,115	358,667	327,835	345,749	328,100	341,129	350,579	393,417	360,624				
28	181,511	181,505	131,799	308,932	208,679	251,042	398,231	364,734	384,875	364,987	382,973	390,142	437,908	401,300				
29	171,374	171,476	124,387	295,155	198,536	239,710	375,695	344,297	363,218	344,751	361,502	368,150	413,283	378,810				
30	176,535	176,503	127,892	304,979	205,150	248,972	387,495	354,032	373,534	354,668	387,484	399,068	424,841	413,587				
31	213,325	212,515	154,931	360,957	245,261	297,853	468,776	428,828	452,426	429,303	434,030	444,458	514,640	449,123				
Pumps :	6,773,260	6,771,594	4,909,161	11,859,141	7,854,205	9,582,834	14,866,774	13,576,771	14,170,322	13,594,541	14,252,575	14,670,683	16,351,369	14,971,530				
MIN :	163,253	163,088	118,447	279,129	188,363	226,010	357,149	327,835	218,736	328,100	341,129	350,579	393,417	360,624				
MAX :	257,025	256,073	186,251	438,286	295,938	361,337	563,756	514,424	542,577	514,937	549,721	570,049	614,449	583,939				
STATIONS:	62,416,969								41,341,633				28,923,258		16,351,369		14,971,530	
TOTAL:	164,004,759																	

Date August 2021  
 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		0.00	75	58	67		
2		0.00	77	64	70		
3		0.09	73	60	66		
4		0.47	70	66	68		
5		0.18	74	67	71		
6		0.00	72	65	69		
7		0.00	73	64	69		
8		0.00	74	66	70		
9		0.00	73	67	70		
10		0.00	75	70	73		
11		0.00	79	73	76		
12		0.00	83	75	79		
13		0.00	86	74	80		
14		0.00	85	75	80		
15		0.00	82	64	73		
16		0.00	76	62	69		
17		0.00	79	61	70		
18		0.00	80	70	75		
19		0.00	77	73	75		
20		0.00	85	73	79		
21		0.00	83	70	77		
22		0.00	77	72	74		
23		0.00	79	70	74		
24		0.00	78	71	75		
25		0.00	86	71	78		
26		0.00	86	71	78		
27		0.00	87	74	80		
28		0.00	75	65	70		
29		0.00	72	66	69		
30		0.00	81	69	75		
31		0.00	84	70	77		
<b>Total</b>		<b>0.74</b>					
<b>Average</b>		<b>0.02</b>	<b>78.5</b>	<b>68.2</b>			
<b>Max</b>		<b>0.47</b>	<b>86.6</b>	<b>74.7</b>			
<b>Min</b>		<b>0.0</b>	<b>70.3</b>	<b>58.3</b>			



Date August 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		0.00	87	67	77		
2		0.00	81	74	78		
3		0.00	88	75	82		
4		0.00	81	72	77		
5		0.00	83	75	79		
6		0.00	82	69	76		
7		0.00	76	66	71		
8		0.00	75	69	72		
9		0.00	82	67	74		
10		0.00	84	74	79		
11		0.00	85	76	81		
12		0.00	84	77	81		
13		0.00	85	74	80		
14		0.00	86	71	78		
15		0.00	75	69	72		
16		0.44	70	63	66		
17		0.32	70	60	65		
18		0.10	78	60	69		
19		0.00	77	63	70		
20		0.00	76	61	69		
21		0.00	78	63	71		
22		0.00	82	68	75		
23		0.00	81	66	73		
24		0.00	81	74	77		
25		0.00	85	74	80		
26		0.02	74	64	69		
27		0.35	72	63	67		
28		0.00	77	63	70		
29		0.00	76	67	71		
30		0.00	80	63	71		
31		0.00	72	57	65		
<b>Total</b>		<b>1.23</b>					
<b>Average</b>		<b>0.04</b>	<b>79.5</b>	<b>67.9</b>			
<b>Max</b>		<b>0.44</b>	<b>88.0</b>	<b>77.4</b>			
<b>Min</b>		<b>0.0</b>	<b>69.6</b>	<b>57.2</b>			

Month/Year September 2021

PWS No. 4126000

## Monthly Pumpage Report Harwich Water Department

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	146,243	132,243	115,431	245,376	175,082	219,716	351,504	320,626	337,828	320,813	327,876	349,901	391,427	325,460
2	110,718	98,480	87,440	178,968	129,506	160,781	265,215	243,275	256,249	243,818	255,105	272,047	292,305	267,821
3	117,420	102,665	89,931	190,423	135,724	170,047	271,895	249,456	263,001	249,107	293,189	315,110	297,896	317,044
4	161,968	144,453	125,438	270,477	191,648	241,064	380,291	348,068	366,936	348,666	356,649	377,070	413,454	364,000
5	141,224	126,300	110,308	235,657	167,449	210,860	334,786	305,292	322,301	306,344	329,159	354,015	373,387	355,411
6	145,025	129,430	114,173	238,215	170,982	213,542	346,114	317,924	334,961	315,135	333,044	354,855	375,030	342,887
7	123,715	111,040	98,962	202,915	146,376	182,225	299,730	274,469	289,397	274,811	284,227	299,749	329,785	294,694
8	142,577	130,382	115,869	238,906	172,278	214,996	352,267	321,353	338,809	322,640	310,392	331,296	392,252	306,379
9	110,946	99,744	88,774	183,129	132,136	164,711	268,521	245,992	259,187	246,112	258,348	276,661	295,267	278,987
10	107,699	96,682	84,986	180,446	128,526	160,989	257,335	224,079	232,531	218,445	262,911	281,578	283,753	277,409
11	115,531	103,973	92,119	191,901	137,445	171,955	278,128	255,507	268,906	255,924	252,670	266,282	307,270	255,226
12	131,015	117,197	103,848	217,854	155,986	195,186	314,093	287,859	303,609	288,426	301,955	322,215	345,704	316,828
13	136,102	122,029	107,706	227,399	162,956	204,266	326,789	298,326	314,502	298,756	312,801	334,497	358,544	328,478
14	127,558	113,770	100,920	209,797	151,072	188,871	306,932	251,440	264,643	251,775	314,530	335,619	302,693	329,784
15	140,495	125,164	111,151	232,818	167,122	209,387	337,691	308,520	325,290	308,830	323,869	345,748	338,272	319,925
16	117,302	104,822	93,254	194,200	139,473	174,500	280,867	258,709	271,890	259,288	271,388	288,655	311,165	284,732
17	100,649	89,667	78,913	169,124	120,379	151,472	239,175	218,863	230,869	219,334	244,103	263,383	312,600	265,955
18	117,657	105,293	93,872	194,748	140,170	174,957	283,621	260,969	274,798	261,328	259,513	273,488	313,764	262,383
19	122,479	109,533	97,760	202,863	145,904	182,296	295,510	270,942	285,660	271,288	284,151	303,679	325,398	298,339
20	127,070	113,325	100,077	212,981	151,615	191,095	303,512	277,335	292,361	277,960	290,994	311,010	333,249	305,317
21	138,879	123,601	109,893	232,353	165,514	208,549	331,592	304,080	320,397	304,123	319,262	340,168	205,445	334,449
22	123,140	109,645	96,163	207,421	147,405	186,013	292,055	266,740	281,470	267,644	279,913	299,395	325,177	274,573
23	130,709	114,125	102,203	212,379	152,705	191,344	308,727	287,634	302,820	287,671	313,499	334,094	334,484	329,056
24	121,104	109,774	97,549	206,437	147,746	185,893	296,244	270,480	285,362	271,588	268,042	286,072	331,245	281,357
25	106,154	94,477	84,142	176,231	126,265	158,331	253,599	233,913	246,316	234,602	245,177	261,454	281,178	257,177
26	96,620	85,842	76,451	161,092	115,207	144,845	230,129	211,647	222,974	212,080	222,359	237,386	18,567	233,144
27	108,064	95,945	85,227	180,001	128,653	162,028	257,853	236,791	249,601	237,145	248,166	267,024	232,724	269,730
28	106,270	94,537	84,925	174,962	125,860	157,202	255,998	235,946	248,319	236,353	247,539	262,495	308,815	250,755
29	89,990	77,932	69,663	145,314	104,049	130,526	209,883	193,160	203,458	193,163	233,906	252,464	141,866	255,139
30	105,382	94,427	84,753	174,692	125,685	157,455	256,419	235,457	247,972	235,898	220,287	231,806	278,476	220,787
31														
<b>Pumps :</b>	<b>3,669,703</b>	<b>3,276,497</b>	<b>2,901,903</b>	<b>6,089,080</b>	<b>4,360,921</b>	<b>5,465,100</b>	<b>8,786,474</b>	<b>8,014,851</b>	<b>8,442,418</b>	<b>8,019,070</b>	<b>8,465,024</b>	<b>9,029,216</b>	<b>9,151,192</b>	<b>8,803,226</b>
<b>MIN :</b>	<b>89,990</b>	<b>77,932</b>	<b>69,663</b>	<b>145,314</b>	<b>104,049</b>	<b>130,526</b>	<b>209,883</b>	<b>193,160</b>	<b>203,458</b>	<b>193,163</b>	<b>220,287</b>	<b>231,806</b>	<b>18,567</b>	<b>220,787</b>
<b>MAX :</b>	<b>161,968</b>	<b>144,453</b>	<b>125,438</b>	<b>270,477</b>	<b>191,648</b>	<b>241,064</b>	<b>380,291</b>	<b>348,068</b>	<b>366,936</b>	<b>348,666</b>	<b>356,649</b>	<b>377,070</b>	<b>413,454</b>	<b>364,000</b>
<b>STATIONS :</b>	<b>34,549,677</b>							<b>24,476,339</b>			<b>17,494,240</b>		<b>9,151,192</b>	<b>8,803,226</b>
<b>TOTAL:</b>	<b>94,474,674</b>													

Month/Year September 2020

PWS No. 4126000

### Monthly Pumpage Report Harwich Water Department

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	205,178	204,149	149,150	345,216	234,580	281,400	449,460	412,382	434,720	413,022	433,221	442,289	495,162	452,744
2	185,905	185,354	134,706	320,220	215,732	264,501	407,540	372,246	392,830	372,632	390,749	402,192	446,969	409,923
3	147,426	147,280	106,859	249,340	168,931	201,935	322,784	296,175	312,268	296,456	311,317	315,436	355,489	326,007
4	157,575	154,938	112,526	262,932	178,525	213,342	340,546	312,127	329,253	312,060	358,880	368,400	370,413	379,027
5	199,544	200,180	146,625	329,212	226,285	268,437	442,110	405,588	427,487	406,505	394,150	398,504	491,553	411,012
6	198,565	198,191	144,332	337,622	228,471	274,360	435,978	398,875	420,871	399,277	418,703	428,991	478,848	439,166
7	224,168	223,590	162,714	385,882	260,537	318,027	492,441	450,243	474,969	450,451	472,035	486,525	540,657	495,646
8	162,084	161,725	117,532	277,579	187,619	226,450	356,159	325,545	343,529	326,046	341,309	350,558	390,675	358,921
9	194,585	193,951	141,323	330,569	223,875	270,673	427,287	390,913	412,203	391,332	410,150	420,646	469,682	429,540
10	164,085	162,720	118,154	275,455	186,703	223,286	356,622	326,872	344,655	326,860	346,328	351,445	388,060	362,694
11	144,468	145,589	105,772	251,427	169,528	205,295	320,265	292,874	308,782	293,708	304,050	312,320	355,769	322,568
12	176,645	174,155	126,751	294,189	199,720	238,730	382,562	351,202	370,109	351,305	377,021	383,376	417,473	391,884
13	165,067	164,384	119,841	277,698	188,785	226,453	362,034	331,745	349,956	332,257	371,374	381,667	398,453	396,534
14	197,827	199,024	145,030	340,384	230,326	279,012	439,129	401,037	423,159	402,014	389,872	398,521	485,570	401,338
15	174,403	172,026	124,996	294,326	198,926	239,765	377,716	346,028	364,815	345,888	373,979	380,736	451,939	392,044
16	170,488	172,284	125,107	295,339	199,663	243,138	379,675	346,940	366,011	347,914	353,579	363,626	420,615	370,450
17	167,218	164,231	119,789	275,071	187,470	223,782	361,039	331,939	349,820	331,839	379,142	388,322	394,370	404,904
18	153,677	155,405	112,768	266,565	179,900	216,736	341,885	312,499	329,696	313,477	314,584	321,430	379,881	330,431
19	151,136	151,369	109,757	257,569	174,017	208,715	331,182	304,722	321,042	305,288	302,014	304,816	366,040	309,412
20	175,954	173,504	126,434	294,642	199,548	238,890	381,210	350,066	368,960	350,121	377,172	383,635	415,743	395,404
21	170,925	172,229	125,401	293,554	199,067	240,853	380,491	347,721	366,836	348,432	354,634	365,185	421,616	372,402
22	157,982	154,729	113,484	256,609	175,956	208,985	342,335	314,490	331,559	314,473	355,411	361,284	373,653	393,394
23	179,882	181,420	132,012	311,171	210,188	253,923	400,005	365,473	385,426	366,465	357,966	368,315	459,850	375,422
24	164,535	164,043	119,647	278,699	188,973	226,308	360,542	331,396	349,358	331,874	356,664	364,103	397,864	397,142
25	194,156	193,212	140,856	331,714	224,287	271,463	426,095	365,797	385,379	366,158	401,378	409,084	468,206	413,130
26	174,437	173,033	127,016	288,377	197,579	235,469	383,321	351,770	370,735	352,237	369,249	375,404	422,703	387,518
27	172,401	170,864	125,506	285,958	195,663	233,217	378,390	346,780	365,667	347,257	380,800	389,627	416,337	406,799
28	161,825	161,167	117,736	275,605	186,666	224,837	355,593	325,766	343,355	326,137	325,222	330,107	391,091	333,346
29	113,405	112,849	82,618	189,835	128,993	153,826	247,548	228,886	241,019	229,358	240,270	242,672	274,821	251,909
30	125,340	124,532	91,070	209,052	142,430	169,388	274,166	253,123	266,523	253,407	265,477	269,023	304,107	278,564
31														
Pumps :	5,130,886	5,112,126	3,725,513	8,681,808	5,888,945	7,081,195	11,256,111	10,291,220	10,850,991	10,304,249	10,826,700	11,058,239	12,443,409	11,389,275
MIN :	113,405	112,849	82,618	189,835	128,993	153,826	247,548	228,886	241,019	229,358	240,270	242,672	274,821	251,909
MAX :	224,168	223,590	162,714	385,882	260,537	318,027	492,441	450,243	474,969	450,451	472,035	486,525	540,657	495,646
STATIONS	46,876,584				31,446,460				21,884,939				12,443,409	11,389,275
TOTAL:	124,040,667													

Date September 2021  
 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		0.32	74	67	70		
2		1.15	74	62	68		
3		0.00	70	59	65		
4		0.00	76	58	67		
5		0.00	74	62	68		
6		0.49	76	67	71		
7		0.00	76	59	68		
8		0.00	79	64	71		
9		4.57	73	68	70		
10		0.14	73	63	68		
11		0.00	73	57	65		
12		0.00	77	68	73		
13		0.00	76	64	70		
14		0.00	73	61	67		
15		0.00	79	66	72		
16		1.16	74	67	70		
17		0.00	75	67	71		
18		0.00	75	67	71		
19		0.00	71	56	64		
20		0.00	69	54	62		
21		0.00	70	55	63		
22		0.00	74	65	69		
23		0.00	74	66	70		
24		0.43	73	67	70		
25		0.24	73	67	70		
26		1.16	72	59	65		
27		0.00	71	54	63		
28		0.29	76	65	70		
29		0.00	66	55	60		
30		0.00	62	54	58		
31							
<b>Total</b>		<b>9.95</b>					
<b>Average</b>		<b>0.33</b>	<b>73.3</b>	<b>62.1</b>			
<b>Max</b>		<b>4.57</b>	<b>79.2</b>	<b>68.2</b>			
<b>Min</b>		<b>0.0</b>	<b>62.3</b>	<b>53.9</b>			

RAINFALL  
September 2020

Date      September      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		0.00	71	61	66		
2		0.36	71	65	68		
3		0.65	74	69	71		
4		0.02	82	69	75		
5		0.00	75	64	69		
6		0.00	77	60	69		
7		0.00	74	62	68		
8		0.00	75	60	67		
9		0.00	74	69	71		
10		0.00	74	69	71		
11		0.00	73	61	67		
12		0.00	68	56	62		
13		0.00	69	56	63		
14		0.00	73	62	68		
15		0.00	65	51	58		
16		0.00	69	50	59		
17		0.00	73	64	69		
18		0.25	68	57	63		
19		0.00	62	46	54		
20		0.00	60	46	53		
21		0.00	62	49	56		
22		0.00	64	48	56		
23		0.00	74	57	65		
24		0.00	75	57	66		
25		0.00	73	61	67		
26		0.00	68	61	64		
27		0.00	74	61	68		
28		0.22	72	67	70		
29		0.00	71	67	69		
30		0.00	72	64	68		
31							
<b>Total</b>		<b>1.50</b>					
<b>Average</b>		<b>0.05</b>	<b>71.1</b>	<b>59.6</b>			
<b>Max</b>		<b>0.65</b>	<b>81.8</b>	<b>69.1</b>			
<b>Min</b>		<b>0.0</b>	<b>59.8</b>	<b>45.6</b>			