

**BOARD OF WATER & WASTEWATER COMMISSIONER'S
MEETING AGENDA***
Harwich Water Department, 196 Chatham Road, Harwich MA
Thursday, February 16, 2023
11:30 a.m.

**As required by Open Meeting Law, you are hereby informed that the Town will be video and audio taping as well as broadcasting this public meeting. In addition, anyone in the audience who plans to video or audio tape this meeting must notify the Chairman prior to the start of the meeting.*

- I. CALL TO ORDER
- II. EXECUTIVE SESSION
- III. PUBLIC COMMENTS / ANNOUNCEMENTS
- IV. CONSENT AGENDA
 - A. Minutes
 - 1. January 18, 2023
- V. ABATEMENTS
 - A. FY23 Q2 Water Department Usage; \$2,874.27
 - B. 24 Gorham Rd
- VI. OLD BUSINESS
 - A. Route 28 Watermain Replacement Project Update
 - B. Water Restrictions Bylaw & Special Legislation
- VII. NEW BUSINESS
 - A. FY23 Water Revenue Projections
 - B. Fertilizer Education-Lothrop Tank Site
 - C. FY24 Assistant Wastewater Superintendent Position
 - D. FY23 Q2 Water & Wastewater Budget Updates
 - E. Request from Patrick Otten-Fertilizer Home Rule Petition
- VIII. SUPERINTENDENT'S REPORT
 - A. Procurement Update- Waterworks Supplies Bid
- IX. COMMISSIONER'S REPORT
- X. CORRESPONDENCE / ANY OTHER BUSINESS
- XI. NEXT MEETING: TBD
- XII. ADJOURNMENT

**Per the Attorney General's Office: The Board of Water Commissioners may hold an open session for topics notreasonably 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:

Town Posting Date: _____

Tracey Alves | Board Secretary

_____ | Town Clerk

IV. CONSENT AGENDA

A. Minutes

1. January 18, 2023

V. ABATEMENTS

A. FY23 Q2 Water Department Usage; \$2,874.27

B. 24 Gorham Rd

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: 1/31/2023
ACCOUNT: VARIOUS

To the Board of Water Commissioners:

NAME OF APPLICANT: HARWICH WATER DEPARTMENT hereby applies for abatement.
PROPERTY OWNER: HARWICH WATER DEPARTMENT
PROPERTY LOCATION: VARIOUS
EMAIL ADDRESS: _____
PHONE: () _____ MOBILE: _____
TOTAL BILL AMOUNT: \$2,874.27 WATER BILL #: Q2
AMOUNT REQUESTED: \$2,874.27

REASON FOR ABATEMENT REQUEST (attach additional sheet if necessary)

| Account | Bill | Amount | Account | Bill | Amount |
|---------|--------|----------|---------|--------|----------|
| 00150 | 468065 | \$47.84 | 09730 | 477628 | \$191.86 |
| 00349 | 468263 | \$47.84 | 09731 | 477629 | \$45.00 |
| 02949 | 470860 | \$47.84 | 09732 | 477630 | \$658.80 |
| 08003 | 475903 | \$52.10 | 09733 | 477631 | \$217.10 |
| 08337 | 476237 | \$45.00 | 09734 | 477632 | \$507.36 |
| 09725 | 477623 | \$45.00 | 09735 | 477633 | \$45.00 |
| 09726 | 477624 | \$111.60 | 09740 | 477638 | \$45.00 |
| 09727 | 477625 | \$437.95 | 09981 | 477877 | \$45.00 |
| 09728 | 477626 | \$46.42 | 10204 | 478096 | \$181.20 |
| 09729 | 477627 | \$56.36 | | | |

SIGNATURE OF APPLICANT: [Signature] DATE: 1/31/2023

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

DATE SIGNATURE

NOTES:

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

Abatement Application
24 Gorham Rd

Name of Applicant: _____
Mailing Address: 24 gorham rd
City/Town: harwich
State: Massachusetts
Zip/Postal Code: 02646
Phone Number: _____
Mobile Phone Number: _____
Email Address: _____
Date of Water Use Charge: 9 October 2022
Name of Person Assessed (Owner): _____
Location and Description of Property: 24 gorham rd Harwich ma 02646
Total Amount Assessed: 50.00
Total Amount Requested: 50.00
If request is for a late fee, what is the requested amount?: 50.00
Reason For Abatement Request: payment for this water bill was not paid for reasons of relative was to pay H2O bill .Owner did not realize bill was not paid. Owner is requesting removal of late fees
SUBSCRIBED THIS DAY UNDER PENALTIES OF PERJURY: 9 February 2022
AGREE?: Checked

| Office Use Only | |
|--|------------------------|
| Board of Water & Wastewater Commissioners: | |
| Meeting Date: _____ | |
| Approved / Denied | Approved Amount: _____ |
| Signatures: | |
| x) | x) |
| x) | x) |
| x) | Notes: |



Accounts

Account: 01014

24 GORHAM RD.

2/10/23 ABATEMENT REQUEST RECEIVED. BOWWC WILL REVIEW ON 2/16.

10/16/17 SPOKE TO OWNER. RELAYED THAT WE WOULD PROCESS A **ONE-TIME LATE FEE REMOVAL** SUBMITTED PAPERWORK FOR ADJUSTMENT.

8/26/16 CHANGED METER. 0657240

8/19/16 APPT RESCHEDULED FOR 8/26 PM. WM

8/15/16 SET APPT FOR 8/19 AM. WM

8/11/16 SENT EMAIL FOR METER CHANGE. WM

7/15/16 PHONE NUMBER DISCONNECTED PER VB. REPLACED WITH SECONDARY NUMBER. WM

| DATE | CODE | READING | USAGE | AMOUNT | BALANCE |
|------------|------|---------|-------|--------|---------|
| 05/31/2005 | 1 | | | 50.00- | .00 |
| 04/14/2005 | 10 | 506000 | 3000 | 50.00 | 50.00 |
| 12/15/2004 | 1 | | | 75.00- | .00 |
| 10/14/2004 | 10 | 503000 | 11000 | 50.00 | 75.00 |
| 08/11/2004 | 1 | | | 50.00- | 25.00 |
| 08/03/2004 | -1 | | | 25.00 | 75.00 |
| 04/08/2004 | 10 | 492000 | 1000 | 50.00 | 50.00 |
| 12/05/2003 | 1 | | | 50.00- | .00 |
| 10/22/2003 | 10 | 491000 | 8000 | 50.00 | 50.00 |
| 05/09/2003 | 1 | | | 25.00- | .00 |
| 04/28/2003 | 10 | 483000 | | 25.00 | 25.00 |
| 04/09/2003 | 1 | | | 45.00- | .00 |
| 02/07/2003 | -1 | | | 10.00 | 45.00 |
| 11/01/2002 | 10 | 483000 | 11000 | 25.00 | 35.00 |
| 09/05/2002 | 1 | | | 25.00- | 10.00 |
| 08/21/2002 | -1 | | | 10.00 | 35.00 |
| 06/03/2002 | 10 | 472000 | 1000 | 25.00 | 25.00 |
| 04/04/2002 | 1 | | | 25.00- | .00 |
| 01/29/2002 | 10 | 471000 | 4000 | 25.00 | 25.00 |
| 04/06/2001 | 1 | | | 67.90- | .00 |
| 04/06/2001 | 600 | | | 5.00- | 67.90 |
| 02/13/2001 | 10 | 467000 | 41000 | 72.90 | 72.90 |
| 11/27/2000 | 1 | | | 45.75- | 5.00- |
| 11/02/2000 | 55 | | | 5.00 | 45.75 |
| 08/03/2000 | 10 | 426000 | 24000 | 40.75 | 40.75 |
| 06/07/2000 | 1 | | | 84.30- | .00 |
| 04/21/2000 | 10 | 402000 | 47000 | 84.30 | 84.30 |
| 10/23/1999 | 100 | | | .00 | .00 |

VI. OLD BUSINESS

A. Route 28 Water Main Replacement Project Update

B. Water Restrictions Bylaw & Special Legislation

To see if the Town will vote to request its representatives in the General Court to introduce special legislation regarding enforcement of water conservation measures, and to authorize the General Court, with the approval of the Board of Selectmen, to make changes of form to the text thereto as may be necessary or advisable in order to accomplish the intent and public purpose of this legislation in order to secure passage, as follows:

AN ACT RELATIVE TO THE WATER AND WASTEWATER COMMISSION OF THE TOWN OF HARWICH

Be it enacted by the Senate and House of Representatives in General Court assembled, and by the authority of the same as follows:

Section 1: Notwithstanding any general or special law to the contrary, the water and wastewater commission of the town of Harwich is hereby authorized to assess a fine in the amount of five hundred dollars for the violation of any water conservation general bylaw or regulation. Such fines may be enforced through the noncriminal disposition procedures of section 21D of chapter forty of the General Laws.

Section 2: The water and wastewater commission may notify a water customer that a violation of a water conservation or regulation has been observed at a location owned, leased, or operated by said customer, and may provide notice of the intent of the commission to assess a fine for said violation or violations within ten days of said notice. The water customer may request a hearing within said ten days before the commission. The commission may delegate the conduct of the hearing to a hearing office, which may be a commission member or its designee. At the conclusion of the hearing, the commission or its designee shall render a decision. If the fine is upheld, the commission may add the amount of the fine or fines to the water bill of a water customer. Any water customer aggrieved by the decision may request that the commission abate the amount of the fine appearing on the water bill. If the abatement request is denied, the commission may impose a lien on the property pursuant to General Laws c. 40, §42A to 42F and §42E.

Section 3: The commission may also enforce any water conservation bylaw or regulation by the assessment of a civil penalty not to exceed \$5,000 for each violation.

Section 4: The commission may, after a public hearing, shut off the water at the meter or curb stop of any water customer found to have repeatedly violated a water conservation bylaw or regulation of the town of Harwich.

Section 5: This act shall take effect upon passage.

Or to take any other action relative thereto.

****DRAFT WATER CONSERVATION BYLAW**

To see if the Town will vote to amend the General Bylaws, Chapter 300, by deleting the current text in its entirety and replacing it with the following:

§ 300 Water Conservation Bylaw.

§300.1: Authority. This bylaw is adopted by the Town under its police powers pursuant to the Home Rule Amendment of the Massachusetts Constitution, Article LXXXIX, to protect public health and welfare and pursuant to its powers under M.G.L. c. 40, §§ 21 et seq. and implements the Town's authority to regulate water use pursuant to M.G.L. c. 41, § 69B. This by-law also implements the Town's authority under M.G.L. c. 40, § 41A, conditioned upon a declaration of water supply emergency issued by the Department of Environmental Protection under G.L. c. 21G, §§ 15-17. This by-law is also intended to implement other water conservation requirements of M.G.L. c. 21G, the "Massachusetts Water Management Act" and its regulations promulgated at 310 CMR 36.00. The Town's Water and Wastewater Commission (hereinafter "the Commission") is hereby authorized to enact regulations to carry out the purposes of this bylaw.

§300.2: Purpose.

The purpose of this bylaw is to protect, preserve and maintain the public health, safety, welfare, and the environment whenever there is in force a "State of Water Supply Conservation", a "State of Drought" or a "State of Water Supply Emergency" by ensuring an adequate supply of water for drinking and fire protection. The purpose of this bylaw is also to protect the quality and quantity of water in local aquatic habitats such as ponds, rivers, and wetlands. These purposes will be accomplished by providing for the imposition and enforcement of any duly implemented restrictions, requirements, provisions, or conditions on water use imposed by the Town in accordance with this by-law and/or by the Department of Environmental Protection under its state law authorities.

§300.3: Applicability.

All Town customers of the public water supply system and private well users shall be subject to this by-law. This by-law shall be in effect year-round, or for such periods of time as the Commission may designate.

§300.4: Definitions.

As used in this article, the following terms shall have the meanings indicated.

- a. "Agriculture" shall mean farming in all its branches as defined at M.G.L. c. 128, § 1A.1.¹

¹ This statutory definition includes cultivation of the soil, dairying and the production, cultivation, growing and harvesting of agricultural, aquacultural, floricultural or

- b. "Automatic irrigation system, including sprinklers" shall mean any system for watering vegetation other than a hand-held hose, a bucket or a drip-irrigation system outside the hours designated by the Commission.
- c. "Nonessential outdoor water use" shall mean those uses that are not required:
 - 1. for health or safety reasons;
 - 2. by regulation;
 - 3. for the production of food and fiber;
 - 4. for the maintenance of livestock; or
 - 5. to meet the core functions of a business.
- d. Nonessential outdoor water uses that are subject to mandatory restrictions include:
 - 1. irrigation of lawns, shrubs or gardens via sprinklers or automatic irrigation systems;
 - 2. washing of vehicles, except in a commercial car wash or as necessary for operator safety or to prevent damage and/or maintain performance of agricultural or construction vehicles or equipment; and
 - 3. washing of exterior building surfaces, parking lots, driveways, or sidewalks, except as necessary to apply paint, preservatives, stucco, pavement, or cement.
- e. Exceptions to nonessential outdoor water uses may include irrigation of lawns, gardens, flowers and ornamental plants by means of a hand-held hose controlled by a nozzle or a drip-irrigation system outside the hours designated by the Commission; and irrigation with harvested and stored storm-water runoff, or such other exceptions as may be determined by the Commission.

horticultural commodities as well as forest harvesting, raising livestock inclusive of bees and fur-bearing animals and forestry, lumbering, preparation for market, delivery to storage or market or to carriers to market incidental to an agricultural operation.

- f. The following outdoor water uses are subject to review and approval by the Town, through its Commission or its designee:
 - 1. irrigation of public parks and recreation fields outside the hours designated by the Commission.
 - 2. irrigation to establish replanted or re-sodded lawn or plantings during the months of May and September;
 - 3. irrigation of newly planted lawns (seeded or sodded) in the current calendar year for homes or businesses newly constructed in the previous twelve months; and
 - 4. filling of privately owned outdoor pools.
- g. "Person" shall mean any individual, corporation, trust, partnership, association, agency or authority, or other entity and any officer, employee, group, or agent of such persons.

"State of Drought" shall mean a Drought Advisory, Watch, Warning or Emergency declared by the Secretary of Energy and Environmental Affairs in consultation with the Massachusetts Drought Management Task Force.
- h. "State of Water Supply Emergency" shall mean a State of Water Supply Emergency declared by the Department of Environmental Protection under M.G.L. c. 21G, §§ 15-17.
- i. "State of Water Supply Conservation" shall mean a State of Water Supply Conservation declared by the Town pursuant to §300.5 of this by-law.
- j. "Water Customers" shall mean all persons using the public water supply regardless of that person's responsibility for payment for use of the water.
- k. "Water Users" shall mean all persons using the public water supply or using privately-owned wells within the Town boundaries, including privately-owned wells used for irrigation.

§ 300.5: Declaration of a State of Water Supply Conservation.

The Town, through its Commission or its designee authorized to act as such:

- a) may declare a State of Water Supply Conservation upon a determination that conservation measures are appropriate to ensure an adequate supply of

- water for drinking and fire protection, to protect the quality and quantity of water in local aquatic habitats such as ponds, rivers, and wetlands; and
- b) shall declare a State of Water Supply Conservation as necessary to ensure compliance with the Water Management Act.

Upon notification to the public that a State of Water Supply Conservation has been declared, no water customer shall violate any provision, restriction, requirement, or condition of the declaration. The Commission may designate the Water Department Superintendent, Town Administrator, or DPW Director to declare a State of Water Supply Conservation at any time that conditions warrant. Public notice of a State of Water Supply Conservation shall be given under §300.9 of this bylaw before it may be enforced. The applicable restrictions, conditions or requirements shall be included in the public notice.

§ 300.6: State of Drought.

Upon notification to the public that a State of Drought has been declared by the Secretary of Energy and Environmental Affairs, no water user shall violate any provision, restriction, requirement, or condition of the Town's water use restrictions. Public notice of a State of Drought shall be given under §300.9 of this bylaw before it may be enforced. The applicable restrictions, conditions, or requirements shall be included in the public notice.

§ 300.7: Declaration of a State of Water Supply Emergency.

Upon notification to the public that a declaration of a State of Water Supply Emergency has been issued by the Department of Environmental Protection, no person shall violate any provision, restriction, requirement, or condition of any order approved or issued by the Department of Environmental Protection for the purpose of bringing about an end to the State of Water Supply Emergency. Public notice of a State of Water Supply Emergency shall be given under §300.9 of this bylaw before it may be enforced. The applicable restrictions, conditions or requirements shall be included in the public notice.

§300.8: Restricted Water Uses.

A declaration of a State of Water Supply Conservation, State of Drought or State of Water Supply Emergency shall include one or more of the following restrictions, conditions or requirements limiting nonessential outdoor water use by water users as necessary to control the volume of water pumped each day, except as provided as an acceptable exemption in §300.4. The applicable restrictions, conditions or requirements shall be included in the public notice required under §300.9.

- a) Nonessential outdoor water use days: Nonessential outdoor water use is permitted only on the days per week specified in the State of Water Supply Conservation, State of Drought or State of Water Supply Emergency and public notice thereof. During a State of Water Supply Conservation, nonessential outdoor water use is restricted as

necessary to ensure compliance with the Water Management Act, or for a Town or Water District without a Water Management Act permit, to two days or fewer per week.

b) Nonessential outdoor water use hours: Nonessential outdoor water use is permitted only during the hourly periods specified in the State of Water Supply Conservation, State of Drought or State of Water Supply Emergency and public notice thereof. At a minimum, nonessential outdoor water use is prohibited during the hours from 9AM to 5PM.

c) Nonessential outdoor water use method restriction: Nonessential outdoor water use is restricted to a bucket or hand-held hose controlled by a nozzle or a drip-irrigation system outside the hours of 9:00 am to 5:00 pm.

d) Nonessential outdoor water use ban: Nonessential outdoor water use is prohibited at all times.

e) Automatic irrigation systems, including sprinklers: The use of automatic irrigation systems is prohibited.

§300.9: Public Notification and Notification of DEP.

a) Public Notification of a State of Water Supply Conservation or a State of Drought – Notice to the public of all provisions, including all restrictions, requirements and conditions imposed by the Town as part of a State of Water Supply Conservation or a State of Drought shall be made as soon as possible, but no later than 48 hours following the declaration of a State Water Supply Conservation or State of Drought by publication in a newspaper of general circulation within the Town and by signage on major roadways or intersections. Notification may also include email, Web sites, public service announcements on local media, reverse 911 calls or other such means reasonably calculated to reach and inform all public and private water users.

b) Public Notification of a State of Water Supply Emergency – Notice to the public of all provisions, including all restrictions, requirements and conditions imposed by a State of Water Supply Emergency declared by the Department of Environmental Protection shall be made as soon as practical after the public water system receives notice of the Department of Environmental Protection's declaration of a State of Water Supply Emergency, by publication in a newspaper of general circulation within the Town and by signage on major roadways or intersections. Notification may also include email, Web sites, public service announcements on local media, reverse 911 calls or other such means reasonably calculated to reach and inform all water users of the State of Water Supply Emergency.

c) Any restriction imposed pursuant to §300.5, §300.6, and §300.7 or in the Department's State of Water Supply Emergency or Order shall not be effective until notification to the public is provided.

d) Notification of DEP: Submittal of MassDEP's form "Notification of Water Use Restriction" shall be provided to the Massachusetts Department of Environmental Protection within 14 days of the effective date of the restrictions, per MassDEP regulations (310 CMR 22.15(8)).

§300.10: Termination of a State of Water Supply Conservation.

Notice of a State of Water Supply Conservation may be terminated by a majority vote of the Commission or by decision of their designee upon a determination by either or both of them that the conditions requiring the State of Water Supply Conservation no longer exist, or in accordance with the Water Management Act permit conditions. Public notification of the termination of a State of Water Supply Conservation shall be given in the same manner as is required in §300.9 for notice of its imposition.

§300.11: Termination of a State of Drought; Notice.

Upon notification to the Town, the Commission or their designee that the State of Drought has been terminated by the Secretary of Energy and Environmental Affairs, the public will be notified of the termination in the same manner as is required in §300.9 for notice of its imposition.

§300.12: Termination of a State of Water Supply Emergency; Notice.

Upon notification to the Town or to the Commission or their designee that the declaration of a State of Water Supply Emergency has been terminated by the Department of Environmental Protection, the public will be notified of the termination in the same manner as is required in §300.9 for notice of its imposition.

§300.12: Fines.

The Town, through its Commission or its designee including the Water Superintendent, Building Inspector and/or local police, may enforce this by-law. Any person violating this by-law shall be liable to the Town for a fine in the amounts listed below:

- 1) First violation: \$100.00
- 2) Second and subsequent violations: \$300.00

Each day of violation shall constitute a separate offense. Fines shall be recovered by complaint before the District Court, or by non-criminal disposition in accordance with Section 21D of Chapter 40 of the Massachusetts General Laws. For purposes of non-criminal disposition, the enforcing person shall be any police officer of the town or the Water Superintendent or the Superintendent's designee. If a State of Water Supply Emergency has been declared, the Commission may, in accordance with G.L. c. 40, § 41A, shut off the water at the meter or the curb stop.

§300.13 Additional Penalties.

Subject to the approval of a home rule petition by the Massachusetts General Court, violations of this bylaw or any regulations issued by the Commission pursuant to this bylaw may be punishable by the imposition of a fine of \$500 for each violation. Each day of violation shall constitute a separate offense. Fines shall be recovered by complaint before the District Court, or by non-criminal disposition in accordance with Section 21D of Chapter 40 of the Massachusetts General Laws.

As an alternative method for collecting fines, the Commission may notify a Water Customer that a violation has been observed at a location owned, leased, or operated by said customer, and may provide notice of the intent of the Commission to assess a fine for said violation or violations within ten days of said notice. The Water Customer may request a hearing within said ten days before the Commission. The Commission may delegate the conduct of the hearing to a hearing office, which may be a Commission member or a designee. At the conclusion of the public hearing, the Commission or its designee shall render a decision. If the fine is upheld, the Commission may add the amount of the fine or fines to the water bill of a Water Customer. Any Water Customer aggrieved by the decision may request that the Commission abate the amount of the fines appearing on the water bill. If the amount of the fine appearing on the water bill is not abated, the property shall be subject to the imposition of a lien pursuant to General Laws c. 40, §42A to 42F and §42E.

The Town may also enforce this bylaw by the assessment of a civil penalty not to exceed \$5,000 for each violation. The Town may, after a public hearing, shut off the water at the meter or curb stop of any Water User found to have repeatedly violated this bylaw, or has failed and refused to pay any fines or penalties issued by the Commission pursuant to this bylaw.

§300.14: Right of entry.

Agents of the enforcement person may enter by owner permission or by warrant only any property for the purpose of inspecting or investigating any violation of this bylaw or for the purpose of enforcing the same.

§300.14: Severability.

The invalidity of any portion or provision of this by-law shall not invalidate any other portion or provision thereof.

§300.15: Effective Date.

Except for §300.13, this bylaw shall take effect upon approval of the Attorney General and publication of the bylaw in accordance with General Laws c. 40, § 32. The provisions of §300.13 shall take effect upon the approval by the General Court of a home rule petition authorizing the additional penalties set forth therein.

Or to take any other action relative thereto.

DRAFT

VII. NEW BUSINESS

A. FY23 Water Revenue Projections

Water Enterprise Fund REVENUE History FY20-FY23YTD & FY24 Projection



02/15/2023 11:18
ssieger

TOWN OF HARWICH - LIVE DATA
NEXT YEAR BUDGET HISTORICAL COMPARISON

P 1
bgnyrpts

PROJECTION: 20241 FY 2024 OPERATING BUDGETS

FOR PERIOD 99

ACCOUNTS FOR:

| WATER | ENTERPRISE FUND | | FY20 ACTUALS | FY21 ACTUALS | FY22 ACTUALS | FY23 YTD ACTUALS | FY23 REV BUDGET | FY24 PROJ LEVEL 1 | PCT CHANGE |
|-------------------------------------|-----------------|------------|-----------------|-----------------|-----------------|---------------------|--------------------|----------------------|---------------|
| 13204504 WATER REVENUE ENTERP FUND | | | | | | | | | |
| 414600 LIENS COLLECTED | | | | | | | | | |
| <u>13204504</u> | <u>414600</u> | WATER LIEN | -11,400.12 | -26,326.43 | -14,538.99 | -8,513.01 | -20,915.00 | -17,422.00 | -16.7% |
| 417008 PEN & INT LIENS | | | | | | | | | |
| <u>13204504</u> | <u>417008</u> | P&I WATER | -2,615.58 | -3,114.94 | -1,641.16 | -1,195.53 | -3,116.00 | -2,457.00 | -21.1% |
| 421100 RATES & SERVICES | | | | | | | | | |
| <u>13204504</u> | <u>421100</u> | WATER R&S | -3,672,392.20 | -4,356,298.43 | -4,298,717.56 | -2,914,498.16 | -4,420,975.00 | -4,419,575.00 | .0% |
| 421200 METERS & SUPPLIES | | | | | | | | | |
| <u>13204504</u> | <u>421200</u> | METERS | -6,565.09 | -5,324.98 | -15,564.13 | -6,174.40 | -7,252.00 | -9,151.00 | 26.2% |
| 421300 ADMINISTRATIVE FEES | | | | | | | | | |
| <u>13204504</u> | <u>421300</u> | SVCAPPL | -2,060.00 | -700.00 | -1,235.98 | -13,896.04 | -1,645.00 | -1,332.00 | -19.0% |
| 421400 SERVICE INSTALLATIONS | | | | | | | | | |
| <u>13204504</u> | <u>421400</u> | SVINSTALL | -139,067.37 | -238,409.87 | -173,600.76 | -149,071.60 | -190,659.00 | -183,693.00 | -3.7% |
| 421450 MARKOUT SERVICES | | | | | | | | | |
| <u>13204504</u> | <u>421450</u> | MKOUTSVC | -6,877.58 | -26,627.42 | -13,734.35 | -3,810.37 | -16,753.00 | -20,181.00 | 20.5% |
| 421550 PROPERTY TRANSFER SERVICES | | | | | | | | | |
| <u>13204504</u> | <u>421550</u> | PROPTRAN | -22,770.00 | -24,592.86 | -20,922.08 | -10,663.63 | -23,681.00 | -22,757.00 | -3.9% |
| 421600 WIRELESS COMMUNICATION LEASE | | | | | | | | | |
| <u>13204504</u> | <u>421600</u> | WIRELESS | -126,373.22 | -130,164.41 | -135,483.28 | -51,458.08 | -143,903.00 | -148,220.00 | 3.0% |
| 421650 SOLAR REVENUE WATER | | | | | | | | | |
| <u>13204504</u> | <u>421650</u> | SOLREV | -104,081.26 | -94,451.44 | -169,592.44 | -202,751.13 | -70,562.00 | -132,022.00 | 87.1% |

Water Enterprise Fund REVENUE History FY20-FY23YTD & FY24 Projection



02/15/2023 11:18
ssieger

TOWN OF HARWICH - LIVE DATA
NEXT YEAR BUDGET HISTORICAL COMPARISON

P 2
bgnyrpts

PROJECTION: 20241 FY 2024 OPERATING BUDGETS

FOR PERIOD 99

ACCOUNTS FOR:

| WATER ENTERPRISE FUND | FY20 ACTUALS | FY21 ACTUALS | FY22 ACTUALS | FY23 YTD ACTUALS | FY23 BUDGET | FY24 PROJ LEVEL 1 | PCT CHANGE |
|--|-----------------|-----------------|-----------------|---------------------|----------------|----------------------|---------------|
| <u>431100 WATER SERVICE TIGHT PLAN</u> | | | | | | | |
| 13204504 431100 SVC TIGHT | -76,900.13 | -88,015.38 | -91,727.73 | -57,561.58 | -96,016.00 | -98,056.00 | 2.1% |
| <u>433007 LATE FEE</u> | | | | | | | |
| 13204504 433007 LATE FEE | -39,443.60 | -52,982.05 | -57,019.39 | -22,088.64 | -47,065.00 | -49,815.00 | 5.8% |
| <u>451100 BACKFLOW INSPECTIONS</u> | | | | | | | |
| 13204504 451100 BACKFLOW | -8,578.71 | -19,471.51 | -37,464.04 | -2,360.85 | -20,366.00 | -21,838.00 | 7.2% |
| <u>482001 INVESTMENT REVENUE</u> | | | | | | | |
| 13204504 482001 INVEST REV | -25,086.18 | -9,144.11 | -797.21 | -159.71 | -21,200.00 | -11,676.00 | -44.9% |
| <u>484099 MISCELLANEOUS REVENUE</u> | | | | | | | |
| 13204504 484099 WATER MISC | -41,739.78 | -60,923.15 | -55,437.10 | -51,989.24 | -54,331.00 | -52,700.00 | -3.0% |
| TOTAL WATER REVENUE ENTERP F | -4,285,950.82 | -5,136,546.98 | -5,087,476.20 | -3,496,191.97 | -5,138,439.00 | -5,190,895.00 | 1.0% |
| TOTAL WATER ENTERPRISE FUND | -4,285,950.82 | -5,136,546.98 | -5,087,476.20 | -3,496,191.97 | -5,138,439.00 | -5,190,895.00 | 1.0% |
| GRAND TOTAL | -4,285,950.82 | -5,136,546.98 | -5,087,476.20 | -3,496,191.97 | -5,138,439.00 | -5,190,895.00 | 1.0% |

** END OF REPORT - Generated by Sandra Sieger **

VII. NEW BUSINESS

B. Fertilizer Education- Lothrop Tank Site



**Town of Harwich
Board of Health**

732 Main Street Harwich, MA 02645
508-430-7509 – Fax 508-430-7531
E-mail: health@town.harwich.ma.us

DATE: February 1, 2023

TO: Board of Selectmen

CC: Joe Powers, Town Administrator; Amy Usowski, Conservation Administrator; Dan Pelletier, Superintendent of Water & Wastewater; Shawn Fernandez, Golf Superintendent

FROM: Katie O'Neill, Health Director

RE: Update on Fertilizer Education

The Board of Health has an existing Town of Harwich Fertilizer Policy & Guidelines for Nutrient Control. This is posted on the Board of Health & Health Department websites, and is available in paper form in the Health Department.

The Conservation Administrator, the Golf Superintendent, the Superintendent of Water & Wastewater, and myself have all been meeting to discuss an educational plan moving forward. The group has developed the following plan of action:

- Develop a series of educational short videos, and advertise the series at Board of Health meetings, Conservation Commission meetings, Wastewater meetings, golf meetings, Board of Selectmen meetings, & Town Meeting.
- Hold public informational and educational sessions with the Barnstable County Cooperative Extension.
- Conduct golf course educational turf tours, and potentially offer off-season visits to individual homes by the Golf Superintendent.
- Create educational materials for residents on fertilizer use, what to look for when hiring a professional, how to choose specific lawn care products, alternatives to traditional plant materials, and what questions to ask.

We hope to have a flyer available in the next few weeks. Please let me know if you have any questions.

VII. NEW BUSINESS

C. FY24 Assistant Water Superintendent Position



Town of Harwich

Water & Wastewater Department
196 Chatham Road
Harwich, MA 02645
508-432-0304

Position Title: Assistant Wastewater Superintendent

Department: Wastewater

Pay Grade: Grade 12 (\$32.88-\$40.98)

Statement of Duties

The Assistant Wastewater Superintendent performs administrative, supervisory, and physical work in the planning, directing, and managing of all wastewater facilities and personnel involved in the wastewater Department. Performs all other related work as required and as directed by the Superintendent.

Essential Functions

The essential functions or duties listed below are intended only as illustration of the various types of work that may be performed. The omission of specific statements of duties does not exclude them from the position if work is similar, related, or a logical assignment to the position.

1. Responsible for the development & implementation of the wastewater department asset management plan.
2. Develop & maintain Standard Operating Procedures (SOPs) for recurring collections system maintenance activities.
3. Provide technical review of plans & specifications for proposed sewer system extensions.
4. Coordinate & oversee collections system maintenance activities including but not limited to, sewer system jetting, wet well cleaning, grease trap inspections, and camera inspections.
5. Coordinate & oversee pump station maintenance including pump/motor service, emergency standby generators, instrumentation, and SCADA equipment.
6. Prepares & maintains pumping reports for determining/validating flow variable expenses relating to Harwich-Chatham Inter Municipal Agreement.
7. Meets with property owners to assist in determine sewer service location.
8. Assist Superintendent in the preparation of bid documents and procurement of department services & supplies.
9. Inspects installations to ensure all work is done in accordance with the department's rules & regulations.
10. Review sewer system as-built diagrams for completeness
11. Plans and schedules maintenance of buildings and grounds to ensure that facilities are cleaned and kept in good repair.
12. Regularly checks & maintains an inventory of sewer system repair materials & supplies. Advises Superintendent when materials must be reordered and coordinates the receipt of inventory received against packing lists.
13. Processes applications from other utility companies (gas, telephone and electric) for permits to excavate. Creates & assigns work orders to locate and mark-out sewer system pipes and appurtenances.
14. Responds to customer inquiries and complaints.
15. Assist Superintendent with state mandated reporting.
16. Maintain up-to-date knowledge of the methods, techniques and safety requirements relating to wastewater collections systems and pertinent EPA/DEP rules and regulations.
17. Assists the Superintendent in preparing and submitting information and reports regarding departmental plans and operations to federal and state agencies and local Boards and Commissions and Committees as required.
18. In conjunction with the Superintendent serves as town representative for wastewater capital improvement projects.



Town of Harwich

Water & Wastewater Department
196 Chatham Road
Harwich, MA 02645
508-432-0304

19. Keeps abreast of regulatory changes/developments to ensure compliance with all applicable State & Federal rules and regulations.
20. Assist the Superintendent with the planning & implementation of the Town's Comprehensive Wastewater Implementation Plan.
21. Assists the Superintendent in the preparation of in-house publications including informational newsletters on Wastewater Department activities, consumer education and other required regulatory consumer information.
22. Respond to wastewater emergencies occurring during or after regularly scheduled work shift.
23. Assist the Superintendent in coordinating bid processes to ensure compliance with all laws, rules and regulations. Assists the Superintendent in reviewing proposals and monitoring and evaluating contractor performance.

Supervision

Works under the direct supervision of the Superintendent and responsible for the day-to-day oversight of contract operations and wastewater collections system

Recommended Minimum Qualifications

Education and Experience

Bachelors of Science in civil, environmental, mechanical, or chemical engineering, or related field. A minimum of five (5) years of experience in the field relating to the construction, repair and maintenance of wastewater collection systems and treatment facilities including the operation of related maintenance and mechanical equipment, or any equivalent combination of education and experience.

Licensing and Certification

Valid Class D Motor Vehicle Operator's License. Grade 4 (four) Collection System Certification

Knowledge, Skills and Abilities

A candidate for this position should have:

- The ability to read diagrams, as-built plans and other detailed schematic drawings;
- Highly skilled and knowledgeable in all facets of water department operations;
- Technical knowledge with regard to construction techniques and procedures;
- Working knowledge of office practices and procedures;
- Written and verbal communication skills; and the
- Ability to deal courteously with the public.

Tool and Equipment Used

All facility equipment, hand tools, snow plow, laboratory equipment. Testing equipment, SCADA computer system, calculators, and general office equipment.



Town of Harwich

Water & Wastewater Department
196 Chatham Road
Harwich, MA 02645
508-432-0304

Physical Demands

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

While performing the duties of the job, the employee is frequently required to stand; walk; sit; use hands to finger, handle or feel; reach with hands and arms; climb and balance; stoop, kneel, crouch or crawl; talk, see, smell or hear. The employee must frequently lift and/or move up to 75 pounds.

Work Environment

The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

While performing the duties of this job, the employee is frequently exposed to small confined spaces, extreme heat, wet and/or humid conditions, moving mechanical parts, sharp blades, instruments and other sharp objects, vibrations, fumes, gases or airborne particles, blood borne pathogens or other diseases, toxic or caustic chemicals; outside weather conditions; and risk of electrical shock, burns and explosion. The noise level in the work environment is very loud. Regularly works with hazardous materials.

External and Internal applicants, as well as position incumbents who become disabled as defined under the American With Disabilities Act, must be able to perform the essential job functions (as listed) either unaided or with the assistance of a reasonable accommodation to be determined by management on a case by case basis.

VII. NEW BUSINESS

D. FY23 Q2 Water & Wastewater Budget Updates

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TOWN OF HARWICH - LIVE DATA
YEAR-TO-DATE BUDGET REPORT
FY23 WATER ENTERPRISE FUND

P 1
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FOR 2023 13

| ACCOUNTS FOR: | WATER | ENTERPRISE FUND | ORIGINAL APPROP | TRANFRS/ ADJSTMTS | REVISED BUDGET | YTD ACTUAL | ENC/REQ | AVAILABLE BUDGET | PCT USED |
|--|--------|-----------------|--------------------|----------------------|-------------------|--------------|---------|---------------------|-------------|
| 1320 WATER ENTERPRISE FUND | | | | | | | | | |
| 1320 | 596000 | OFUS | 759,278 | 300,000 | 1,059,278 | 1,059,278.00 | .00 | .00 | 100.0% |
| TOTAL WATER ENTERPRISE FUND | | | 759,278 | 300,000 | 1,059,278 | 1,059,278.00 | .00 | .00 | 100.0% |
| 13204501 WATER ENTERP SALARIES & WAGES | | | | | | | | | |
| 13204501 | 511100 | SALARIES ELECTE | 5,000 | 0 | 5,000 | 2,916.75 | .00 | 2,083.25 | 58.3% |
| 13204501 | 511900 | SALARIES & WAGE | 983,861 | 10,853 | 994,714 | 607,603.72 | .00 | 387,110.05 | 61.1% |
| 13204501 | 512000 | SEASONAL S&W | 33,946 | 679 | 34,625 | .00 | .00 | 34,624.92 | .0% |
| 13204501 | 512500 | COMPENSATORY TI | 0 | 0 | 0 | 2,251.20 | .00 | -2,251.20 | 100.0%* |
| 13204501 | 513000 | OVERTIME | 198,131 | 3,963 | 202,094 | 123,492.49 | .00 | 78,601.13 | 61.1% |
| 13204501 | 513060 | FLUSHING OT | 31,030 | 621 | 31,651 | .00 | .00 | 31,650.60 | .0% |
| 13204501 | 514000 | LONGEVITY | 25,608 | 398 | 26,006 | 20,133.26 | .00 | 5,872.59 | 77.4% |
| 13204501 | 515007 | SICK LEAVE BONU | 3,325 | 0 | 3,325 | 1,350.00 | .00 | 1,975.00 | 40.6% |
| TOTAL WATER ENTERP SALARIES & WAGES | | | 1,280,901 | 16,513 | 1,297,414 | 757,747.42 | .00 | 539,666.34 | 58.4% |
| 13204502 WATER ENTERPRISE FUND EXP | | | | | | | | | |
| 13204502 | 517900 | OTHER FRINGE BE | 8,800 | 0 | 8,800 | 9,251.13 | .00 | -451.13 | 105.1%* |
| 13204502 | 521100 | ELECTRIC UTILIT | 366,427 | 0 | 366,427 | 205,185.94 | .00 | 161,241.06 | 56.0% |
| 13204502 | 521200 | GAS UTILITY | 8,000 | 0 | 8,000 | 3,622.70 | .00 | 4,377.30 | 45.3% |
| 13204502 | 524140 | VEHICLE/EQUIPME | 71,000 | 0 | 71,000 | 37,418.41 | .00 | 33,581.59 | 52.7% |
| 13204502 | 524160 | BUILDING & GROU | 130,983 | 0 | 130,983 | 14,159.79 | .00 | 116,823.21 | 10.8% |
| 13204502 | 525000 | TECHNICAL SUPPO | 43,540 | 0 | 43,540 | 23,768.56 | .00 | 19,771.44 | 54.6% |
| 13204502 | 526000 | BUILDING MAINT | 22,750 | 0 | 22,750 | 11,527.99 | .00 | 11,222.01 | 50.7% |
| 13204502 | 530800 | LABORATORY SERV | 35,314 | 100 | 35,414 | 9,576.00 | .00 | 25,838.00 | 27.0% |
| 13204502 | 530820 | PROFESSIONAL SE | 60,000 | 0 | 60,000 | 43,985.97 | .00 | 16,014.03 | 73.3% |
| 13204502 | 530875 | PRINTING SERVIC | 10,000 | 0 | 10,000 | 5,221.88 | .00 | 4,778.12 | 52.2% |
| 13204502 | 534100 | ADVERTISING | 1,500 | 0 | 1,500 | 1,017.70 | .00 | 482.30 | 67.8% |
| 13204502 | 534300 | POSTAGE | 17,500 | 0 | 17,500 | 11,343.57 | .00 | 6,156.43 | 64.8% |
| 13204502 | 534400 | TELEPHONE | 7,700 | 0 | 7,700 | 4,352.10 | .00 | 3,347.90 | 56.5% |
| 13204502 | 534430 | COMMUNICATION S | 19,000 | 0 | 19,000 | 14,141.48 | .00 | 4,858.52 | 74.4% |
| 13204502 | 541100 | PROPANE UTILITY | 18,944 | 0 | 18,944 | 18,369.69 | .00 | 574.31 | 97.0% |
| 13204502 | 542000 | OFFICE SUPPLIES | 6,300 | 0 | 6,300 | 4,192.77 | .00 | 2,107.23 | 66.6% |
| 13204502 | 542013 | HARDWARE/SOFTWA | 25,924 | 0 | 25,924 | 1,216.11 | .00 | 24,707.89 | 4.7% |

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TOWN OF HARWICH - LIVE DATA
YEAR-TO-DATE BUDGET REPORT
FY23 WATER ENTERPRISE FUND

P 2
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FOR 2023 13

| ACCOUNTS FOR: 1320 WATER ENTERPRISE FUND | ORIGINAL APPROP | TRANFRS/ ADJSTMTS | REVISED BUDGET | YTD ACTUAL | ENC/REQ | AVAILABLE BUDGET | PCT USED |
|---|--------------------|----------------------|-------------------|---------------|------------|---------------------|-------------|
| 13204502 548100 BULK FUEL | 24,165 | 0 | 24,165 | 17,368.52 | .00 | 6,796.48 | 71.9% |
| 13204502 548200 TREATMENT SUPPL | 27,500 | 0 | 27,500 | 12,991.04 | .00 | 14,508.96 | 47.2% |
| 13204502 548250 TREATMENT CHEMI | 165,000 | 0 | 165,000 | 125,156.63 | .00 | 39,843.37 | 75.9% |
| 13204502 553000 PUBLIC WORKS SU | 27,800 | 0 | 27,800 | 15,507.88 | .00 | 12,292.12 | 55.8% |
| 13204502 553100 METERS/READ DEV | 180,000 | 0 | 180,000 | 67,838.77 | 100,458.48 | 11,702.75 | 93.5% |
| 13204502 553200 SERVICE INSTALL | 48,700 | 0 | 48,700 | 22,452.94 | 20,000.00 | 6,247.06 | 87.2% |
| 13204502 553300 PIPES, VALVES & | 90,000 | 0 | 90,000 | 34,465.29 | 22,027.42 | 33,507.29 | 62.8% |
| 13204502 553350 WATER MAIN REPL | 35,000 | 2,792 | 37,792 | 4,892.07 | 31,526.85 | 1,373.15 | 96.4% |
| 13204502 553500 POLICE DETAILS | 35,000 | 0 | 35,000 | 11,689.85 | .00 | 23,310.15 | 33.4% |
| 13204502 553600 ROAD REPAIRS | 34,500 | 7,710 | 42,210 | 14,876.21 | .00 | 27,333.55 | 35.2% |
| 13204502 553900 MECHANICAL TANK | 10,000 | 0 | 10,000 | 21,320.00 | .00 | -11,320.00 | 213.2%* |
| 13204502 554200 GENERATOR MAINT | 14,000 | 0 | 14,000 | 18,984.46 | .00 | -4,984.46 | 135.6%* |
| 13204502 554300 WELL REHAB | 45,000 | 20,000 | 65,000 | 34,594.50 | 56,918.00 | -26,512.50 | 140.8%* |
| 13204502 558100 UNIFORMS AND SA | 17,280 | 1,459 | 18,739 | 5,000.22 | 855.64 | 12,883.06 | 31.2% |
| 13204502 573000 DUES/SUBSCRIPTI | 13,000 | 0 | 13,000 | 3,880.34 | .00 | 9,119.66 | 29.8% |
| 13204502 573200 WATER MGMT PERM | 8,500 | 0 | 8,500 | 8,647.77 | .00 | -147.77 | 101.7%* |
| 13204502 575070 OPEB | 50,000 | 0 | 50,000 | 50,000.00 | .00 | .00 | 100.0% |
| 13204502 591000 MATURE PRINCIPA | 396,438 | 0 | 396,438 | 341,371.11 | .00 | 55,066.89 | 86.1% |
| 13204502 591500 INTEREST ON LON | 138,115 | 0 | 138,115 | 70,553.84 | .00 | 67,561.16 | 51.1% |
| 13204502 591550 ADMIN FEE LT DE | 2,095 | 0 | 2,095 | 2,092.04 | .00 | 2.96 | 99.9% |
| TOTAL WATER ENTERPRISE FUND EXP | 2,215,775 | 32,061 | 2,247,836 | 1,302,035.27 | 231,786.39 | 714,014.09 | 68.2% |
| 13204504 WATER REVENUE ENTERP FUND | | | | | | | |
| 13204504 414600 WATER LIENS COL | -20,915 | 0 | -20,915 | -8,513.01 | .00 | -12,401.99 | 40.7%* |
| 13204504 417008 PEN & INT WATER | -3,116 | 0 | -3,116 | -1,195.53 | .00 | -1,920.47 | 38.4%* |
| 13204504 421100 WATER RATES & S | -4,420,975 | 0 | -4,420,975 | -2,914,498.16 | .00 | -1,506,476.84 | 65.9%* |
| 13204504 421200 METERS | -7,252 | 0 | -7,252 | -6,174.40 | .00 | -1,077.60 | 85.1%* |
| 13204504 421300 SERVICE APPLICA | -1,645 | 0 | -1,645 | -13,896.04 | .00 | 12,251.04 | 844.7% |
| 13204504 421400 SERVICE INSTALL | -190,659 | 0 | -190,659 | -149,071.60 | .00 | -41,587.40 | 78.2%* |
| 13204504 421450 MARKOUT SERVICE | -16,753 | 0 | -16,753 | -3,810.37 | .00 | -12,942.63 | 22.7%* |
| 13204504 421550 PROPERTY TRANSF | -23,681 | 0 | -23,681 | -10,663.63 | .00 | -13,017.37 | 45.0%* |
| 13204504 421600 WIRELESS COMMUN | -143,903 | 0 | -143,903 | -51,458.08 | .00 | -92,444.92 | 35.8%* |
| 13204504 421650 SOLAR REVENUE W | -70,562 | 0 | -70,562 | -202,751.13 | .00 | 132,189.13 | 287.3% |
| 13204504 431100 WATER SERVICE T | -96,016 | 0 | -96,016 | -57,561.58 | .00 | -38,454.42 | 59.9%* |
| 13204504 433007 LATE FEE | -47,065 | 0 | -47,065 | -22,088.64 | .00 | -24,976.36 | 46.9%* |
| 13204504 441100 ELECTRICAL SERV | 0 | 0 | 0 | -1,400.00 | .00 | 1,400.00 | 100.0% |
| 13204504 451100 BACKFLOW INSPEC | -20,366 | 0 | -20,366 | -2,360.85 | .00 | -18,005.15 | 11.6%* |
| 13204504 482001 INVESTMENT REVE | -21,200 | 0 | -21,200 | -159.71 | .00 | -21,040.29 | .8%* |
| 13204504 484099 WATER MISCELLAN | -54,331 | 0 | -54,331 | -51,989.24 | .00 | -2,341.76 | 95.7%* |
| TOTAL WATER REVENUE ENTERP FUND | -5,138,439 | 0 | -5,138,439 | -3,497,591.97 | .00 | -1,640,847.03 | 68.1% |

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TOWN OF HARWICH - LIVE DATA
 YEAR-TO-DATE BUDGET REPORT
 FY23 WATER ENTERPRISE FUND

P 3
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FOR 2023 13

| ACCOUNTS FOR: 1320 | WATER | ENTERPRISE FUND | ORIGINAL APPROP | TRANFRS/ ADJSTMTS | REVISED BUDGET | YTD ACTUAL | ENC/REQ | AVAILABLE BUDGET | PCT USED |
|---|---------------|------------------------|--------------------|----------------------|-------------------|---------------|------------|---------------------|-------------|
| 132045A2 WATER ENTERPRISE ARTICLES EXP | | | | | | | | | |
| <u>132045A2</u> | <u>619017</u> | <u>ATM 19 #17 T1 M</u> | 0 | 65,000 | 65,000 | .00 | .00 | 65,000.00 | .0% |
| <u>132045A2</u> | <u>622023</u> | <u>ATM 22 #23 2 WA</u> | 0 | 90,000 | 90,000 | .00 | .00 | 90,000.00 | .0% |
| TOTAL WATER ENTERPRISE ARTICLES EXP | | | 0 | 155,000 | 155,000 | .00 | .00 | 155,000.00 | .0% |
| TOTAL WATER ENTERPRISE FUND | | | -882,485 | 503,574 | -378,911 | -378,531.28 | 231,786.39 | -232,166.60 | 38.7% |
| TOTAL REVENUES | | | -5,138,439 | 0 | -5,138,439 | -3,497,591.97 | .00 | -1,640,847.03 | |
| TOTAL EXPENSES | | | 4,255,954 | 503,574 | 4,759,528 | 3,119,060.69 | 231,786.39 | 1,408,680.43 | |
| PRIOR FUND BALANCE | | | | | | 2,231,441.17 | | | |
| CHANGE IN FUND BALANCE - NET OF REVENUES/EXPENSES | | | | | | 378,531.28 | | | |
| REVISED FUND BALANCE | | | | | | 2,609,972.45 | | | |

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TOWN OF HARWICH - LIVE DATA
YEAR-TO-DATE BUDGET REPORT
FY23 SEWER ENTERPRISE FUND

P 1
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FOR 2023 13

| ACCOUNTS FOR: 1330 WASTEWATER ENTERPRISE | ORIGINAL APPROP | TRANFRS/ ADJSTMTS | REVISED BUDGET | YTD ACTUAL | ENC/REQ | AVAILABLE BUDGET | PCT USED |
|---|--------------------|----------------------|-------------------|---------------|-----------|---------------------|-------------|
| 1330 WASTEWATER FUND | | | | | | | |
| 1330 497000 INTERFUND TRANSFER | -1,819,824 | -337,195 | -2,157,019 | -2,157,018.00 | .00 | -.53 | 100.0%* |
| 1330 596000 OFUS | 31,687 | 0 | 31,687 | 31,687.00 | .00 | .00 | 100.0% |
| TOTAL WASTEWATER FUND | -1,788,137 | -337,195 | -2,125,332 | -2,125,331.00 | .00 | -.53 | 100.0% |
| 13304401 SEWER SALARIES & WAGES | | | | | | | |
| 13304401 511900 SALARIES & WAGE | 80,848 | 1,355 | 82,203 | 18,065.92 | .00 | 64,137.01 | 22.0% |
| TOTAL SEWER SALARIES & WAGES | 80,848 | 1,355 | 82,203 | 18,065.92 | .00 | 64,137.01 | 22.0% |
| 13304402 WASTEWATER EXPENSES | | | | | | | |
| 13304402 521100 ELECTRIC UTILIT | 20,000 | 0 | 20,000 | 3,844.95 | .00 | 16,155.05 | 19.2% |
| 13304402 521200 GAS UTILITY | 600 | 0 | 600 | 581.73 | .00 | 18.27 | 97.0% |
| 13304402 530820 PROFESSIONAL SE | 0 | 0 | 0 | 40,590.74 | .00 | -40,590.74 | 100.0%* |
| 13304402 530825 PROF/ARCHITECT/ | 381,160 | 60,000 | 441,160 | 33,251.57 | 27,053.00 | 380,855.43 | 13.7% |
| 13304402 530875 PRINTING SERVIC | 650 | 0 | 650 | 161.56 | .00 | 488.44 | 24.9% |
| 13304402 554200 GENERATOR MAINT | 2,250 | 0 | 2,250 | 497.99 | .00 | 1,752.01 | 22.1% |
| 13304402 554210 COLLECTION MAIN | 20,000 | 0 | 20,000 | .00 | .00 | 20,000.00 | .0% |
| 13304402 591000 MATURE PRINCIPA | 1,423,802 | 0 | 1,423,802 | .00 | .00 | 1,423,801.75 | .0% |
| 13304402 591500 INTEREST ON LON | 254,219 | 0 | 254,219 | 123,105.39 | .00 | 131,113.60 | 48.4% |
| 13304402 591550 ADMIN FEE LT DE | 141,803 | 0 | 141,803 | .00 | .00 | 141,802.79 | .0% |
| TOTAL WASTEWATER EXPENSES | 2,244,484 | 60,000 | 2,304,484 | 202,033.93 | 27,053.00 | 2,075,396.60 | 9.9% |
| 13304404 WASTEWATER REVENUE | | | | | | | |
| 13304404 422200 WASTEWATER USER | 0 | 0 | 0 | -10,308.83 | .00 | 10,308.83 | 100.0% |
| 13304404 482001 INVESTMENT REVE | 0 | 0 | 0 | -143.64 | .00 | 143.64 | 100.0% |
| TOTAL WASTEWATER REVENUE | 0 | 0 | 0 | -10,452.47 | .00 | 10,452.47 | 100.0% |
| TOTAL WASTEWATER ENTERPRISE | 537,195 | -275,840 | 261,355 | -1,915,683.62 | 27,053.00 | 2,149,985.55 | -722.6% |
| TOTAL REVENUES | -1,819,824 | -337,195 | -2,157,019 | -2,167,470.47 | .00 | 10,451.94 | |
| TOTAL EXPENSES | 2,357,019 | 61,355 | 2,418,373 | 251,786.85 | 27,053.00 | 2,139,533.61 | |

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TOWN OF HARWICH - LIVE DATA
 YEAR-TO-DATE BUDGET REPORT
 FY23 SEWER ENTERPRISE FUND

P 2
 glytdbud

FOR 2023 13

ACCOUNTS FOR:
 1330 WASTEWATER ENTERPRISE

| ORIGINAL APPROP | TRANFRS/ ADJSTMTS | REVISED BUDGET | YTD ACTUAL | ENC/REQ | AVAILABLE BUDGET | PCT USED |
|--------------------|----------------------|-------------------|--------------|---------|---------------------|-------------|
| | | | | | | |
| | | | 337,549.46 | | | |
| | | | 1,915,683.62 | | | |
| | | | 2,253,233.08 | | | |

VII. NEW BUSINESS

E. Request from Patrick Otten- Fertilizer Home Rule Petition

Tracey Alves

From: patrick otton <p_otton@yahoo.com>
Sent: Wednesday, February 8, 2023 7:56 PM
To: Dan Pelletier
Subject: Fertilizer: Home Rule petition
Attachments: Submitted_Fertilizer_petition.pdf

Hi Dan,

I will submit this citizen's petition tomorrow at the Town office. Can you put this on the agenda for the next Water/Wastewater Department meeting: Asking if the Department can write a letter of support? Thank you. Plus let me know if you have any suggestions.

Patrick Otton

Plastic does not have a Life cycle - Plastic only has a Death cycle!

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

Date received in the Town Clerk's Office

Date received in the Selectmen's Office

**PETITION ARTICLE TO BE INCLUDED
HARWICH ANNUAL TOWN MEETING WARRANT**

TO: BOARD OF SELECTMEN

PETITIONER: PATRICK O'HEN **PHONE:** 617-244-2761

ARTICLE: To see if the Town will vote to:

To see if the Town will vote to authorize and ask the Select Board to petition the Great and General Court of the Commonwealth of Massachusetts for special legislation, the text of which is set forth, prohibiting the application of fertilizer in the Town of Harwich except for the purposes of commercial agriculture and the residential use of organic fertilizer with low nitrogen and phosphorus for the use in growing fruits and vegetables that is allowable under the USDA National Organic Program organic standards (OMRI listed).

(please see attached further Article)

ESTIMATED COST: 0

Explanation:

(Background Information/Justification)

This Home Rule petition asks the state legislature to allow the Town of Harwich to establish its own fertilizer regulations. Beacon Hill does not have the seashore, ponds, embayments and estuaries. These are all endangered by human sourced pollution of nitrogen and phosphorous from fertilizers. Harwich's 22 ponds and 11+ miles of coastline are the life and assets for all residents, property owners, visitors, and business in Harwich. It is the reason we live here and they need to be protected and cared for.

(please see attached further Explanation)

INSTRUCTIONS: All articles submitted by petition must contain the signatures of at least 10 registered voters of the Town of Harwich and must be submitted to the Office of the Selectmen not later than Noon-the second Friday in February for inclusion in the May Annual Town Meeting Warrant. Articles submitted by petition for inclusion in a Special Town Meeting must contain the signatures of at least 100 registered voters of the Town of Harwich and must be submitted to the Office of the Selectmen at least 40 days before the Special Town Meeting. (changed under article 39 of the May 2013 ATM)

ARTICLE

Authorize special act to enable Harwich to regulate the application of fertilizers

To see if the Town will vote to authorize and ask the Select Board to petition the Great and General Court of the Commonwealth of Massachusetts for special legislation, the text of which is set forth below, prohibiting the application of fertilizer in the Town of Harwich except for the purposes of commercial agriculture and the residential use of organic fertilizer with low nitrogen and phosphorus for the use in growing fruits and vegetables that is allowable under the USDA National Organic Program organic standards (OMRI listed), and to authorize the General Court, with the approval of the Select Board, to make changes of form to the text thereto as may be necessary or advisable in order to accomplish the intent and public purpose of this legislation in order to secure passage, as follows:

An Act prohibiting the application of fertilizer used in the Town of Harwich except for the purposes of commercial agricultural and the residential use of organic fertilizer with low nitrogen and phosphorus for the use in growing fruits and vegetables that is allowable under the USDA National Organic Program organic standards (OMRI listed).

Be it enacted by the Senate and House of Representatives in General Court assembled, and by the authority of the same as follows:

Section 1. There is sound scientific evidence to conclude that nitrogen and phosphorus in fertilizers are contaminants that negatively affect fresh and salt waters when present in excessive amounts. These excessive amounts of nitrogen and phosphorus contribute to undesirable algae and aquatic plant growth within all Harwich water bodies. This undesirable algae and aquatic plant growth has an adverse effect on public health through the degradation of waters used for drinking water, shell fishing, and recreational swimming and boating.

Section 2. It is necessary to prohibit the application of fertilizer that contains phosphorus and nitrogen so as to improve the water quality of the Town of Harwich. The soils of Harwich are unique insofar as Harwich has significant amounts of coarse, sandy soils that are subject to rapid water infiltration, percolation and leaching of nutrients, and such unique local conditions require that Harwich prohibit the application of nitrogen and phosphorus added to soils through the application of fertilizers. This Act should help Harwich to achieve compliance with the Total Maximum Daily Loads (TMDL) prescribed by the Commonwealth of Massachusetts for nitrogen and phosphorus in its waters.

Section 3. Notwithstanding any General or Special law to the contrary, including but not limited to any General or Special law conferring exclusive authority upon the Department of Agriculture to regulate and control the application of fertilizers elsewhere in the Commonwealth, the application of fertilizer containing nitrogen or phosphorus, or any other pollutants in the Town of Harwich is prohibited, except for the purposes of commercial agricultural and the residential use of organic fertilizer with low nitrogen and phosphorus for the use in growing fruits and vegetables that is allowable under the USDA National Organic Program organic standards (OMRI listed).

Section 4. This act shall take effect upon passage.
Or to take any other action related thereto. (Select Board)

(Simple Majority Vote Required)

PROPOSED MOTION

I move this article be accepted and adopted as printed in the warrant and that the Select Board be authorized to approve the final language of the Special Legislation.

SUMMARY

Water is what brings people here and makes us want to stay in this special place of ours. Water is our most valuable environmental resource and our most valuable economic asset. It directly or indirectly affects every resident, property owner, visitor, and business in Harwich. Harwich has 22 ponds/lakes and 11 miles of coastline, water is our lifeblood and it is our responsibility to keep it healthy and protect what we love. Yes, please move forward to regulate fertilizers. Supporting the preparation of a Home Rule Petition an act addressing clean and healthy waters will protect Harwich's environment, wildlife, residents, visitors, pets, economy and property values before all is lost.

SB: Recommendation to be made at Town Meeting

FC: Recommendation to be made at Town Meeting

Authorize special act to enable Harwich to regulate the application of fertilizers
(Background Information/Justification)

Why do you live on Cape Cod? The seashore? The ponds? The woodlands? The embayments? The estuaries? All of these are under sever threat of degradation and loss due to the impact of human development. Speaking only of water quality, human behavior degrades water in three principal causes: septic systems, fertilizers, and run-off.

Nitrogen harms all salt water ecosystems and life. Phosphorous harms all fresh water ecosystems and life. Given our sandy soil, a permeable sand bar, above a sole-source aquifer for which we rely for our drinking water, these elements quickly permeate and spread throughout the Cape.

The number one source of nitrogen pollution and phosphorus pollution are septic systems.

Fix: Sewering *Cost:* \$4,000,000,000.00 (Billion) *Time:* 50 years

The number two source of nitrogen, phosphorous and potassium pollution are chemical fertilizers.

Fix: Stop applying chemical fertilizers *Cost:* \$0.00 (Nothing) *Time:* Today, Immediate

The third source of water contamination is run-off from rolling down-hill waterfront landscaped lots and roadways.

Fix: Stop applying chemical fertilizers, build roadway catch basins *Cost:* tbd *Time:* on-going

Both Nantucket and Orleans have successfully passed via town meetings to ask the MA legislature for Home rule on regulating fertilizers. Yes, this is a 'hot' topic, pros & cons, questions on how to implement, how to enforce, how to educate, what alternatives are available, etc. etc. Orleans has lead the way, done the hard work and it is all summarized on the Orleans' town web page.

see: <https://www.town.orleans.ma.us/1109/Fertilizer-Home-Rule-Petition-2022>

The native and natural ecology of Cape Cod long ago figured out how to thrive and grow with our sandy soil and intermittent rains. Both the seashore and the ponds thrived with life. However today with our current landscaping habits and practices we are endangering the environment we live in. Nitrogen and phosphorous pollution on Cape Cod is negatively affecting our fresh water ponds and seashore – those very resources for which we live and visit the Cape.

Beacon Hill is not on Cape Cod. Given our local conditions and risks to our environment the Town of Harwich should be able to establish its own fertilizer regulations. This petition will ask the state legislature to allow Harwich to establish its own fertilizer regulations rather than Beacon Hill. Until permission from the MA legislature is given there will be no change in the current landscaping practices.

In 2021 Harwich had to rescind an earlier fertilizer regulation made that year by the Board of Health. Please, lets move forward to regulate fertilizers, making it a little easier to live on Cape Cod, to appreciate what we have before it is all lost. Cape Cod is a seasonal tourist based economy, what will it look like with further cyanobacteria algae blooms, loss of eelgrass, loss of shellfish, etc.? Cape Cod is not an urban environment. Trying to make it so is destroying the very essence of why we choose to live on Cape Cod.

Water is what brings people here and makes us want to stay in this special place of ours. Water is our most valuable environmental resource and economic asset. It directly or indirectly affects every resident, property owner, visitor, and business in Harwich. Harwich has 22 ponds/lakes and 11+ miles of coastline. Water is our lifeblood and it is our responsibility to keep it healthy and protect what we love.

VIII. SUPERINTENDENT'S REPORT

A. Procurement Update- Waterworks Supply Bid

RFQ2 1/10/23

Water Distribution Materials

| Quantity | Size | Description | Part No. | CAPE COD | | FERGUSON | | E J PRESCOTT | |
|----------|--------------|---------------------------------|-------------|----------|------------------|----------|------------------|--------------|------------------|
| | | | | Unit | Total | Unit | Total | Unit | Total |
| 12 | 5.5' - 6.5' | Erie Plug Service Box w/large | | 76.29 | 915.48 | 68.49 | 821.88 | 61.50 | 738.00 |
| 80 | 1" | Curbstop | Mueller #B- | 156.86 | 12,548.80 | 160.15 | 12,812.00 | 175.00 | 14,000.00 |
| 12 | 1-1/2" | Curbstop | Mueller #B- | 363.22 | 4,358.64 | 364.52 | 4,374.24 | 419.00 | 5,028.00 |
| 24 | 1" | IPS Ball Valves | | 16.00 | 384.00 | 31.29 | 750.96 | 24.25 | 582.00 |
| 24 | 1"x3/4" | Bushing | | 5.20 | 124.80 | 3.77 | 90.48 | 5.50 | 132.00 |
| 24 | 1-1/2" | Male Adapter | Mueller #H- | 76.77 | 1,842.48 | 77.82 | 1,867.68 | 85.50 | 2,052.00 |
| 12 | 1-1/2" | Street 90 | | 25.73 | 308.76 | 20.57 | 246.84 | 29.00 | 348.00 |
| 6 | 2" | 90 | | 29.85 | 179.10 | 23.17 | 139.02 | 33.50 | 201.00 |
| 6 | 2" | Street 90 | | 43.63 | 261.78 | 33.87 | 203.22 | 48.75 | 292.50 |
| 2 | 10" | Hi Max | | 450.58 | 901.16 | 442.81 | 885.62 | 614.75 | 1,229.50 |
| 2 | 10" | Solid Sleeve Long | | 264.65 | 529.30 | 186.39 | 372.78 | 333.75 | 667.50 |
| 6 | 3/4" | Street 90 | | 7.80 | 46.80 | 5.64 | 33.84 | 8.75 | 52.50 |
| 12 | 1-1/2" | Corp Stops, Comp (CTS) | Mueller #B- | 222.52 | 2,670.24 | 223.33 | 2,679.96 | 250.00 | 3,000.00 |
| 12 | 5/8"x3/4"x1" | Straight Ball Valve with Handle | | 163.35 | 1,960.20 | 142.73 | 1,712.76 | 127.50 | 1,530.00 |
| 4 | 2" | Hi Max | | 163.00 | 652.00 | 138.56 | 554.24 | 188.25 | 753.00 |
| 4 | 2" | Dressers | | 38.58 | 154.32 | 38.56 | 154.24 | 70.00 | 280.00 |
| 9 | 1" | Street 90 | | 12.93 | 116.37 | 6.40 | 57.60 | 14.50 | 130.50 |
| 12 | 1-1/2" | Brass Nipples | | 29.43 | 353.16 | 6.65 | 79.80 | 13.50 | 162.00 |
| 6 | 2" | Curbstop | Mueller #B- | 531.36 | 3,188.16 | 548.58 | 3,291.48 | 590.00 | 3,540.00 |
| 6 | 2" | Corp Stops, Comp (CTS) | Mueller #B- | 368.31 | 2,209.86 | 373.52 | 2,241.12 | 415.00 | 2,490.00 |
| 6 | 2" | Curbstops FIPxFIP | Mueller #B- | 429.30 | 2,575.80 | 392.42 | 2,354.52 | 422.00 | 2,532.00 |
| 3 | 16" | Hi Max | | 1,529.29 | 4,587.87 | 1,114.19 | 3,342.57 | 1,982.00 | 5,946.00 |
| | | | | | 0.00 | | 0.00 | | 0.00 |
| | | | | | 40,869.08 | | 39,066.85 | | 45,686.50 |

AGREEMENT FOR TOWN OF HARWICH

The following provisions shall constitute an Agreement between the Town of Harwich, acting by and through its Board of Water/Wastewater Commissioners, hereinafter referred to as "Town," and Ferguson Water works, with an address of 351 Whites Path So. Yarmouth 02664, hereinafter referred to as "Contractor", effective as of the 9th day of February, 2023. In consideration of the mutual covenants contained herein, the parties agree as follows:

ARTICLE 1: SCOPE OF WORK:

The Contractor shall perform all work and furnish all services necessary to provide the Town with **Water Works Supplies**, including the scope of services set forth in Attachment A.

ARTICLE 2: TIME OF PERFORMANCE:

The Contractor shall complete all work and services required hereunder commencing February 9, 2023 through December 9, 2023 (43 weeks for delivery)

ARTICLE 3: COMPENSATION:

The Town shall pay the Contractor for the performance of the work outlined in Article 1 above the contract sum of \$ \$39,066.85. The Contractor shall submit monthly invoices to the Town for services rendered, which will be due 30 days following receipt by the Town.

ARTICLE 4: CONTRACT DOCUMENTS:

The following documents form the Contract and all are as fully a part of the Contract as if attached to this Agreement or repeated herein:

1. This Agreement.
2. Amendments, or other changes mutually agreed upon between the parties.
3. All attachments to the Agreement.

In the event of conflicting provisions, those provisions most favorable to the Town shall govern.

ARTICLE 5: CONTRACT TERMINATION:

The Town may suspend or terminate this Agreement by providing the Contractor with ten (10) days written notice for the reasons outlined as follows:

1. Failure of the Contractor, for any reason, to fulfill in a timely and proper manner its obligations under this Agreement.
2. Violation of any of the provisions of this Agreement by the Contractor.
3. A determination by the Town that the Contractor has engaged in fraud, waste, mismanagement, misuse of funds, or criminal activity with any funds provided by this Agreement.

Either party may terminate this Agreement at any time for convenience by providing the other party written notice specifying therein the termination date which shall be no sooner than thirty (30) days from the issuance of said notice. Upon receipt of a notice of termination from the Town, the Contractor shall cease to incur additional expenses in connection with the Agreement. Upon such termination, the Contractor shall be entitled to compensation for all satisfactory work completed prior to the termination date as determined by the Town. Such payment shall not exceed the fair value of the services provided hereunder.

ARTICLE 6: INDEMNIFICATION:

The Contractor shall defend, indemnify and hold harmless the Town and its officers, agents, and all employees from and against claims arising directly or indirectly from the contract. Contractor shall be solely responsible for all local taxes or contributions imposed or required under the Social Security, Workers' Compensation, and income tax laws. Further, the Contractor shall defend, indemnify and hold harmless the Town with respect to any damages, expenses, or claims arising from or in connection with any of the work performed or to be performed under this Agreement. This shall not be construed as a limitation of the Contractor's liability under the Agreement or as otherwise provided by law.

ARTICLE 7: AVAILABILITY OF FUNDS:

The compensation provided by this Agreement is subject to the availability and appropriation of funds.

ARTICLE 8: APPLICABLE LAW:

The Contractor agrees to comply with all applicable local, state and federal laws, regulations and orders relating to the completion of this Agreement. This Agreement shall be governed by and construed in accordance with the law of the Commonwealth of Massachusetts.

ARTICLE 9: ASSIGNMENT:

The Contractor shall not make any assignment of this Agreement without the prior written approval of the Town.

ARTICLE 10: AMENDMENTS:

All amendments or any changes to the provisions specified in this Contract can only occur when mutually agreed upon by the Town and Contractor. Further, such amendments or changes shall be in writing and signed by officials with authority to bind the Town. No amendment or change to the contract provisions shall be made until after the written execution of the amendment or change to the Contract by both parties.

ARTICLE 11: INDEPENDENT CONTRACTOR:

The Contractor acknowledges and agrees that it is acting as an independent contractor for all work and services rendered pursuant to this Agreement and shall not be considered an employee or agent of the Town for any purpose.

ARTICLE 12: INSURANCE:

The Contractor shall be responsible to the Town or any third party for any property damage or bodily injury caused by it, any of its subcontractors, employees or agents in the performance of, or as a result of, the work under this Agreement. The Contractor and any subcontractors used hereby certify that they are insured for workers' compensation, property damage, personal and product liability. The Contractor and any subcontractor it uses shall

purchase, furnish copies of, and maintain in full force and effect insurance policies in the amounts here indicated.

- 1) General Liability of at least \$1,000,000 Occurrence/\$3,000,000 General Aggregate. The Municipality should be named as an "Additional Insured". Products and Completed Operations should be maintained for up to 3 years after the completion of the project.
- 2) Automobile Liability (applicable for any contractor who has an automobile operating exposure) of at least \$1,000,000 Bodily Injury and Property Damage per accident. The Municipality should be named as an "Additional Insured".
- 3) Workers' Compensation Insurance as required by law. Include Employers Liability Part B with a limit of \$1,000,000
- 4) Builders' Risk Property Coverage for the full insurable value. It should include "All Risk" insurance for physical loss or damage including theft.
- 5) Property Coverage for materials and supplies being transported by the contractor, as the Town's Property Contract provides coverage for personal property within 1000 feet of the premises.
- 6) Umbrella Liability of at least \$2,000,000/ occurrence, \$2,000,000/aggregate. The Municipality should be named as an Additional Insured.
- 7) Architects and Engineers Professional Liability (applicable for any architects or engineers involved in the project) of at least \$1,000,000/occurrence, \$3,000,000 aggregate.

Prior to commencement of any work under this Agreement, the Contractor shall provide the Town with Certificates of Insurance which include the Town as an additional named insured and which include a thirty day notice of cancellation to the Town.

ARTICLE 13: SEVERABILITY:

If any term or condition of this Agreement or any application thereof shall to any extent be held invalid, illegal or unenforceable by the court of competent jurisdiction, the validity, legality, and enforceability of the remaining terms and conditions of this Agreement shall not be deemed affected thereby unless one or both parties would be substantially or materially prejudiced.

ARTICLE 14: ENTIRE AGREEMENT:

This Agreement, including all documents incorporated herein by reference, constitutes the entire integrated agreement between the parties with respect to the matters described. This

CERTIFICATION AS TO PAYMENT OF STATE TAXES

Pursuant to Chapter 62C of the Massachusetts General Laws, Section 49A(b), I, Emmanuel Bearse, authorized signatory for the Contractor do hereby certify under the pains and penalties of perjury that said Contractor has complied with all laws of the Commonwealth of Massachusetts relating to taxes, reporting of employees and contractors, and withholding and remitting child support.

54-1211771
Social Security Number or
Federal Identification Number

Emmanuel Bearse
Signature of Individual or
Corporate Name

By:
Corporate Officer (if applicable)

NON-COLLUSION

The undersigned certifies under the penalties of perjury that this bid in all respects bona fide, fair and made without collusion or fraud with any other person. As used in this subsection the word "person" shall mean any natural person, joint venture, partnership, corporation or other business or legal entity.

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed on the day and year first above written.

CONTRACTOR

By

Ferguson Waterworks

Emmanuel Bearse Branch Mgr
Printed Name and Title

TOWN OF HARWICH

By its Board of Water & Wastewater
Commissioners **Over \$50,000**

13204502-553200 \$20,000.00
13204502-553350 \$19,066.85

Approved as to Availability of Funds:

DocuSigned by:

Ann Marie Ellis

Finance Director

(\$ 39,066.85)
Contract Sum

By its Superintendent of Water & Wastewater

Over \$50,000

Dan Pelletier

Superintendent of Water & Wastewater

Agreement supersedes all prior agreements, negotiations and representations, either written or oral, and it shall not be modified or amended except by a written document executed by the parties hereto.

ARTICLE 15: COUNTERPARTS:

This Agreement may be executed in any number of counterparts, each of which shall be deemed to be a counterpart original.

Delivery Will Be Stock → 43 weeks

**ATTACHMENT A
Materials List**

Quote Form

FERGUSON

RFQ 1/10/23
Water Distribution Materials

| Quantity | Size | Description | Part No. | Unit Price | Total |
|---------------|--------------|------------------------------------|------------------|------------|------------------|
| 12 | 5.5' - 6.5' | Erie Plug Service Box w/large base | G41066 | 68.49 | 821.88 |
| 80 | 1" | Curbstop | Mueller #B-25209 | 160.15 | 12,812.00 |
| 12 | 1-1/2" | Curbstop | Mueller #B-25209 | 364.52 | 4,374.24 |
| 24 | 1" | IPS Ball Valves | FNUX420AG | 31.29 | 752.96 |
| 24 | 1"x3/4" | Bushing | IBRLF9GF | 3.77 | 90.48 |
| 12 | 1-1/2" | Male Adapter | Mueller #H-15451 | 77.82 | 1867.68 |
| 6 | 2" | Street 90 | IBRLF99J | 20.57 | 246.84 |
| 2 | 10" | Street 90 | IBRLF99K | 23.17 | 139.02 |
| 2 | 10" | Hi Max | IBRLF99K | 33.87 | 203.22 |
| 6 | 3/4" | Solid Sleeve Long | K86054027216 | 492.81 | 885.62 |
| 12 | 1-1/2" | Street 90 | MJL5L9A10 | 186.39 | 372.76 |
| 12 | 5/8"x3/4"x1" | Corp Stops, Comp (CTS) | IBRLF99C | 5.64 | 33.84 |
| 4 | 2" | Straight Ball Valve with Handle | Mueller #B-25008 | 223.33 | 2679.96 |
| 4 | 2" | Hi Max | M0243503NEFG | 142.73 | 1712.76 |
| 9 | 1" | Dressers | K86054005416 | 138.56 | 554.24 |
| 12 | 1-1/2" | Street 90 | 544100000263900 | 38.56 | 77.12 |
| 6 | 2" | Brass Nipples | IBRLF99G | 6.40 | 57.60 |
| 6 | 2" | Curbstop | GBRD5CL | 6.65 | 79.80 |
| 6 | 2" | Corp Stops, Comp (CTS) | Mueller #B-25209 | 548.58 | 3291.48 |
| 6 | 2" | Curbstops FIPxIP | Mueller #B-25008 | 373.52 | 2241.12 |
| 3 | 16" | Hi Max | Mueller #B-20283 | 392.42 | 2354.52 |
| | | | K86056043416D | 114.19 | 3342.57 |
| Total: | | | | | 38,989.71 |

390610.55
CAF

154.24

SECRETARIAL CERTIFICATE OF AUTHORIZATION

The undersigned Assistant Secretary of **Ferguson Enterprises, LLC**, duly organized and existing under the laws of Virginia (the "Company"), hereby designates and certifies that the following employee of the Company, is authorized, on behalf of the Company to take the action(s) designated herein and to execute any and all documents necessary to further such actions:

Individual Name: Emmanuel Bearse

Title: Branch Manager II

Authorized Action(s):

1. To enter into contracts, agreements or other documents, and to execute such documents and undertake all such acts as may deemed in the best interest of the Company.
2. To prepare and submit bids and proposals to the Company's customers.

This certificate of authorization shall be effective from the date hereof until **August 31, 2023** unless withdrawn sooner in writing. The provisions of this Certificate are in conformity with a Resolution adopted by the Board of Directors of the Company effective .

In witness whereof, I have hereunto subscribed my name and affixed the seal of the Company, effective September 1, 2022.



(Company Seal)

Ferguson Enterprises, LLC



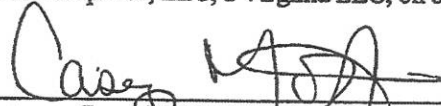
Wesley E. Rice
Assistant Secretary

Commonwealth of Virginia
City of Newport News

Sworn to subscribe and acknowledged before me on September 1, 2022, by Wesley E. Rice, personally known to me, in his capacity as Assistant Secretary of Ferguson Enterprises, LLC, a Virginia LLC, on behalf of such Company.



(Notary Seal)



Notary - Casey Mehlhoff
My commission expires: July 31, 2026

AGENCY CUSTOMER ID: _____

LOC #: _____



ADDITIONAL REMARKS SCHEDULE

| | | | |
|---|--|---|--|
| AGENCY Willis Towers Watson Northeast, Inc. | | NAMED INSURED Ferguson Enterprises, LLC and Subsidiaries (See Attached Named Insured Schedule) 12500 Jefferson Avenue Newport News, VA 23602 | |
| POLICY NUMBER See Page 1 | | NAIC CODE See Page 1 | |
| CARRIER See Page 1 | | EFFECTIVE DATE: See Page 1 | |

ADDITIONAL REMARKS

THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,
 FORM NUMBER: 25 FORM TITLE: Certificate of Liability Insurance

INSURER AFFORDING COVERAGE: ACE Fire Underwriters Insurance Company
 POLICY NUMBER: RWC C68925368 EFF DATE: 05/01/2022 EXP DATE: 05/01/2023 NAIC#: 20702

| TYPE OF INSURANCE: | LIMIT DESCRIPTION: | LIMIT AMOUNT: |
|--|-----------------------|---------------|
| Workers' Compensation & Employers Liability - WI Per Statute | E.L. Each Accident | \$2,000,000 |
| | E.L. Disease -Pol Lmt | \$2,000,000 |
| | E.L. Disease-Each Emp | \$2,000,000 |

FERGUSON ENTERPRISES, LLC
ACTIVE DBA SUBSIDIARY LIST

| <u>Entity Name</u> | <u>Entity Name</u> |
|---|---|
| AC Wholesalers | Ferguson Facilities Supply (for Matera Paper -TX only) |
| ACF Environmental (effective 11/16/2020) | Ferguson Facilities Supply, Dogwood Building Supply Division (eff 10/22/18) |
| Action Automation, a Wolsley Industrial Group company (eff 8/20/2018) | Ferguson Fire & Fabrication, Inc. |
| Action Plumbing Supply (effective 7/15/2019) | Ferguson Fire & Fabrication International |
| Adirondack Piping Solutions (effective 2/7/2022) | Ferguson Heating & Cooling |
| ADL (effective 7/16/2018) | Ferguson Hospitality Sales |
| Alaska Pipe & Supply | Ferguson HVAC – Air Cold |
| Amerock, LLC (effective 1/11/2021) | Ferguson HVAC – EastWest Air |
| Amerock Holdings, Inc. (effective 1/11/2021) | Ferguson HVAC – Lyon Conklin |
| AMS Steam Products (effective 12/13/2021) | Ferguson Industrial (effective 3/15/2022) |
| Andrews Lighting & Hardware Gallery | Ferguson Integrated Services |
| The Ar-Jay Center | Ferguson International |
| Atlantic American Fire Equipment Company | Ferguson Panama, S.A. |
| Avallon Global | Ferguson Parts & Packaging |
| BAC Appliance Center | Ferguson Valve & Automation |
| Bath + Beyond | Ferguson Waterworks |
| Bayport Partners, LLC | Ferguson Waterworks - Municipal Pipe |
| Blackman Plumbing Supply, LLC (effective 12/11/2018) | Ferguson Waterworks - Red Hed |
| Brock-McVey (effective 7/30/2018) | Ferguson Waterworks EPPCO |
| Bruce-Rogers Company | Ferguson Waterworks International |
| Build.com, Inc. (fka Improvement Direct, Inc.) | Galleria Bath & Kitchen Showplace |
| Cal-Steam | Grand Junction Pipe (effective 9/24/2018) |
| Canyon Pipe & Supply (effective 7/26/2021) | HM Wallace, Inc. |
| Capital Distributing (effective 10/29/2018) | Hot Water Products (effective 12/13/2021) |
| City Lights Design Showroom | Hot Water Sales and Associates (effective 12/13/2021) |
| CFP | H.P. Products Corporation |
| Clawfoot Supply, LLC | HP Logistic, Inc. |
| Cline Contract Sales | Improvement Brands Holdings, Inc. |
| Columbia Pipe & Supply LLC (eff 3/13/2020) | Industrial Hub of the Carolinas |
| Custom Lighting & Hardware | Innovative Soil Solutions LLC (effective 7/29/2019) |
| Davies Water | James Martin Signature Vanities, LLC (effective 1/28/2019) |
| DBS Holdings, Inc. | J&G Products |
| Dealernet | Jones Stephens Corp. (effective 8/13/2018) |
| Duhig Stainless (effective 3/12/2018) | Jones Stephens Global Sourcing (Wuxi) Ltd. (effective 8/13/2018) |
| Energy & Process Corporation | J.D. Daddario Company |
| Equarius Waterworks, Meter & Automation Group | Joseph G. Pollard Co. |
| Factory Direct Appliance | JWIT Hydrotherapy Bath Solutions (effective 3/16/2020) |
| Ferguson Bath & Kitchen Gallery | Karl's Appliances |
| Ferguson Bath, Kitchen & Lighting Gallery | Kitchen Art (effective 2/4/2019) |
| Ferguson.com | Lakeland Plumbing Supply, LLC |
| Ferguson CESCO, Inc. | Lighting Design Center |
| Ferguson Direct | Lighting Unlimited |
| Ferguson CeSCO, Inc. | Lincoln Products |
| Ferguson Enterprises, Inc. | Linwood Pipe and Supply |
| Ferguson Enterprises, LLC | Living Direct, Inc. |
| Ferguson Enterprises LLC dba Henry Plumbing Kitchen & Bath Galleries (eff 2/9/2022) | Louisiana Utilities Supply Company |
| Ferguson Enterprises LLC dba Henry Plumbing Supply (effective 2/9/2022) | LUSCO |
| Ferguson Enterprises LLC dba Henry Kitchen & Bath (effective 2/16/2022) | Mahwah Realty, LLC |
| Ferguson Enterprises LLC dba Plumbers Supply Company of St. Louis (eff 2/16/2022) | Maskir Properties Inc. |
| Ferguson Enterprises of Virginia, LLC | Matera Paper Company, Inc. |
| Ferguson Facilities Supply (FEI) | Max Industries, Ltd. (effective 1/28/2019) |

FERGUSON ENTERPRISES, LLC
ACTIVE DBA SUBSIDIARY LIST

| PAGE 2 - DBA & SUBSIDIARY LIST | |
|--|--|
| Entity Name | Entity Name |
| McFarland Supply | Sunstate Meter & Supply, Inc. (effective 10/25/2021) |
| Meyer Appliance (effective 9/20/2021) | Supply.com |
| MFP Design (effective 3/25/2020) | Tarpon Wholesale Supplies |
| Michigan Meter | The Davidson Group |
| Millennium Lighting, Inc. (effective 8/27/2018) | The Kitchen Showcase (effective 6/21/2021) |
| Mission Valley Pipe (effective 6/3/2019) | The Plumbing Source |
| Mississippi Utility Supply Co. (MUSCO) | The Stock Market |
| Moore Industrial Supply (effective 7/12/2021) | Tinkar Realty, LLC |
| Myers HVAC Supply | TotalFab, LLC |
| National Fire Products | TPW Kitchen & Bath |
| New Jersey Plumbing Group, LLC | Uncle Sam Piping Solutions (effective 2/7/2022) |
| New York Plumbing Designs, LLC | Wallwork (effective 12/10/2018) |
| North Point Plumbing Supply, LLC | Wanlyn Realty Corp. |
| Old Dominion Supply, Inc. (effective 10/26/2020) | Waterworks Industries |
| Orange County Plumbing Group, LLC | Webb Distributors |
| Palm Designs LLC | Western Air Supply |
| PCS Industries | Westfield Lighting |
| PL Sourcing | Wholesale Group |
| Plumb Source | Wholesale Group Operations, Inc. |
| Plumbers Supply Company (effective 1/24/2022) | Wolseley (Barbados) Ltd |
| Plumbing Décor | Wolseley de Puerto Rico, Inc. |
| Plumbing Holdings Corp. | Wolseley Financial Services |
| Pollardwater | Wolseley Industrial Group |
| Powell Pipe & Supply Co. | Wolseley Integrated de Mexico S.A. de C.V. |
| Power Equipment Direct Inc. | Wolseley Investments North America, Inc. |
| Process Instruments & Controls, LLC (effective 9/9/2019) | Wolseley Investments, Inc. |
| Professional's Bath Source | Wolseley NA Construction Services, LLC |
| PV Sullivan Supply | Wolseley NA Finance, Inc. |
| Ramapo Wholesalers | Wolseley Staffing de Mexico S.A. de C.V. |
| RB Huntington Realty, LLC | WPC Forwarding |
| Rencor Controls (effective 3/16/2020) | Wright Plumbing Supply |
| Robertson Supply (effective 11/19/2018) | |
| Rocky Hollow Realty, LLC | |
| Renwes Sales | |
| Redlon & Johnson | |
| Reese Kitchen, Bath & Lighting Gallery | |
| Royal Pacific Limited (effective 11/22/2021) | |
| S.W. Anderson Sales Corporation (effective 11/11/2019) | |
| Safe Step Walk in Tub (effective 11/1/2021) | |
| Safe Step Walk in Tub, LLC (effective 7/31/2018) | |
| SG Supply Co. | |
| Ship-Pac | |
| Signature Hardware | |
| SimplyPlumbing, LLC | |
| SOS Sales | |
| Southhampton Realty Corp. | |

FERGUSON *Waterworks - Sumner & Dunbar*

Two Whitman Road
Canton, MA 02021
Phone: 781-828-1350
FAX: 781-828-8706

513 Depot Street
No. Harwich, MA 02645
Phone: 508-430-1696
FAX: 508-430-2657

One Wellington Road
Lincoln, RI 02865
Phone: 401-334-4398
FAX: 401-334-4460

Reference

Sandwich Water District 508-888-2775
P O Box 600
Sandwich, MA. 02563
Contact: *DAN Mahoney*

Centerville / Osterville Water 508-428-6691
1138 Main Street
P O Box 369
Osterville, MA 02655
Contact: *Craig Crocker*

Harwich Water Dept 508-432-0304
196 Chatham Road
Harwich, MA 02645
Contact *Dan Pelletier*

Orleans Water Dept 508-255-1200
19 School St
Orleans, MA 02653
Contact: *Todd Bunzick*

X. CORRESPONDENCE

Month/Year January 2023
 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 | 35,487 | 26 | 40,681 | 66,375 | 46,910 | 58,806 | 0 | 81,556 | 85,910 | 0 | 82,517 | 81,849 | 102,218 | 89,370 |
| 2 | 53,298 | 24 | 61,496 | 98,295 | 69,849 | 87,141 | 0 | 124,210 | 130,702 | 0 | 124,763 | 123,740 | 154,994 | 134,574 |
| 3 | 30,317 | 17,370 | 35,256 | 55,748 | 39,792 | 49,488 | 0 | 70,790 | 74,536 | 0 | 71,394 | 70,813 | 88,654 | 77,155 |
| 4 | 31,882 | 33,720 | 37,212 | 58,442 | 41,842 | 52,079 | 0 | 74,721 | 78,667 | 0 | 75,505 | 74,902 | 93,530 | 81,687 |
| 5 | 32,012 | 33,995 | 37,275 | 58,686 | 41,987 | 52,264 | 0 | 75,176 | 79,130 | 0 | 75,824 | 75,268 | 94,126 | 82,116 |
| 6 | 49,018 | 52,090 | 57,244 | 88,229 | 63,648 | 78,881 | 0 | 116,844 | 122,916 | 0 | 117,002 | 116,099 | 142,841 | 126,051 |
| 7 | 27,994 | 30,233 | 33,153 | 51,958 | 37,303 | 46,355 | 0 | 67,400 | 70,957 | 0 | 67,948 | 67,441 | 83,643 | 73,388 |
| 8 | 31,515 | 33,596 | 36,813 | 58,997 | 42,309 | 52,441 | 0 | 75,497 | 79,541 | 0 | 76,242 | 75,666 | 94,317 | 82,661 |
| 9 | 31,628 | 33,699 | 36,938 | 58,277 | 41,850 | 51,989 | 0 | 74,927 | 78,909 | 0 | 75,622 | 75,056 | 93,984 | 82,039 |
| 10 | 42,377 | 44,509 | 47,748 | 77,568 | 55,668 | 69,206 | 0 | 79,785 | 83,657 | 0 | 84,948 | 84,249 | 108,428 | 77,014 |
| 11 | 52,185 | 55,072 | 59,290 | 94,385 | 68,160 | 84,389 | 0 | 125,004 | 131,263 | 0 | 125,282 | 124,297 | 150,061 | 135,065 |
| 12 | 26,036 | 27,625 | 30,399 | 47,142 | 34,012 | 42,173 | 0 | 62,181 | 65,429 | 0 | 62,406 | 61,918 | 76,409 | 67,381 |
| 13 | 30,604 | 32,579 | 35,964 | 55,928 | 40,087 | 49,898 | 0 | 72,222 | 76,141 | 0 | 72,934 | 72,392 | 90,645 | 78,994 |
| 14 | 32,139 | 33,966 | 37,321 | 58,804 | 42,164 | 52,458 | 0 | 75,828 | 79,917 | 0 | 76,508 | 75,969 | 95,078 | 83,045 |
| 15 | 31,096 | 31,902 | 35,825 | 56,608 | 40,670 | 50,555 | 0 | 73,231 | 77,119 | 0 | 73,825 | 73,345 | 91,760 | 80,089 |
| 16 | 49,427 | 51,278 | 56,113 | 88,486 | 63,916 | 79,092 | 0 | 118,035 | 124,154 | 0 | 118,110 | 117,276 | 146,356 | 127,441 |
| 17 | 37,334 | 38,837 | 42,516 | 69,115 | 49,353 | 61,485 | 0 | 50,297 | 52,882 | 0 | 43,888 | 43,616 | 38,705 | 33,894 |
| 18 | 32,003 | 33,758 | 37,157 | 58,514 | 41,966 | 52,221 | 0 | 75,191 | 79,203 | 0 | 75,781 | 75,295 | 94,269 | 82,278 |
| 19 | 32,061 | 33,306 | 36,946 | 58,621 | 41,993 | 52,183 | 0 | 75,175 | 79,117 | 0 | 75,867 | 75,397 | 94,237 | 82,311 |
| 20 | 35,479 | 37,538 | 41,055 | 64,370 | 46,180 | 57,511 | 0 | 84,186 | 88,374 | 0 | 85,232 | 84,712 | 105,742 | 92,329 |
| 21 | 31,076 | 32,380 | 35,808 | 56,782 | 40,792 | 50,749 | 0 | 72,822 | 76,736 | 0 | 73,375 | 72,939 | 91,321 | 79,717 |
| 22 | 49,500 | 51,637 | 56,511 | 89,050 | 64,388 | 79,838 | 0 | 117,757 | 123,829 | 0 | 117,769 | 116,967 | 143,365 | 127,034 |
| 23 | 24,936 | 26,326 | 29,035 | 45,626 | 32,647 | 40,702 | 0 | 58,309 | 61,371 | 0 | 58,907 | 58,566 | 73,218 | 63,880 |
| 24 | 32,593 | 33,801 | 37,141 | 59,758 | 42,837 | 53,355 | 0 | 76,120 | 80,141 | 0 | 76,904 | 76,424 | 95,459 | 83,421 |
| 25 | 31,512 | 32,545 | 35,609 | 57,686 | 41,393 | 51,522 | 0 | 73,783 | 77,721 | 0 | 74,351 | 73,902 | 92,395 | 80,811 |
| 26 | 48,544 | 51,190 | 56,927 | 87,483 | 63,120 | 78,409 | 0 | 115,652 | 121,621 | 0 | 115,753 | 115,011 | 139,958 | 124,930 |
| 27 | 26,204 | 27,434 | 30,323 | 47,490 | 34,092 | 42,391 | 0 | 61,981 | 65,277 | 0 | 62,218 | 61,841 | 75,329 | 67,324 |
| 28 | 30,962 | 32,424 | 35,968 | 56,601 | 40,556 | 50,482 | 0 | 72,757 | 76,639 | 0 | 73,413 | 72,970 | 90,319 | 79,542 |
| 29 | 32,584 | 33,735 | 37,666 | 59,882 | 42,976 | 53,522 | 0 | 76,668 | 80,797 | 0 | 77,329 | 76,846 | 95,630 | 83,933 |
| 30 | 32,173 | 33,679 | 37,397 | 59,254 | 42,505 | 52,816 | 0 | 75,780 | 79,866 | 0 | 76,534 | 76,080 | 95,055 | 83,079 |
| 31 | 31,289 | 32,796 | 36,295 | 57,279 | 41,109 | 51,160 | 0 | 73,503 | 77,421 | 0 | 74,754 | 74,361 | 92,520 | 81,240 |
| Pumps : | 1,095,263 | 1,043,070 | 1,265,082 | 2,001,441 | 1,436,077 | 1,785,556 | 0 | 2,527,385 | 2,659,944 | 0 | 2,542,905 | 2,525,207 | 3,124,566 | 2,723,793 |
| MIN : | 24,936 | 24 | 29,035 | 45,626 | 32,647 | 40,702 | 0 | 50,297 | 52,882 | 0 | 43,888 | 43,616 | 38,705 | 33,894 |
| MAX : | 53,298 | 55,072 | 61,496 | 98,295 | 69,849 | 87,141 | 0 | 125,004 | 131,263 | 0 | 125,282 | 124,297 | 154,994 | 135,065 |
| STATIONS : | 8,626,489 | | | | | | | 5,187,330 | | | 5,068,112 | | 3,124,566 | 2,723,793 |
| TOTAL: | 24,730,290 | | | | | | | | | | | | | |

Month/Year January 2022
 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 | 29,881 | 37,279 | 33,860 | 65,372 | 48,598 | 56,162 | 101,969 | 94,409 | 99,011 | 94,178 | 96,411 | 96,194 | 75,280 | 112,365 |
| 2 | 39,461 | 26,876 | 24,761 | 46,681 | 35,102 | 40,509 | 75,455 | 69,004 | 70,861 | 69,750 | 71,826 | 66,709 | 120,669 | 64,724 |
| 3 | 28,029 | 25,853 | 23,367 | 45,969 | 33,926 | 39,312 | 70,583 | 101,923 | 106,807 | 102,172 | 103,887 | 100,545 | 122,042 | 108,123 |
| 4 | 66,699 | 61,229 | 52,552 | 117,157 | 83,233 | 99,084 | 159,409 | 32,170 | 33,777 | 31,736 | 30,734 | 32,413 | 0 | 36,694 |
| 5 | 61,986 | 56,846 | 48,965 | 108,522 | 77,144 | 91,922 | 148,789 | 38,300 | 40,237 | 38,405 | 37,731 | 36,414 | 43,395 | 36,208 |
| 6 | 57,615 | 52,921 | 45,911 | 100,584 | 71,481 | 85,231 | 138,623 | 20,369 | 21,340 | 20,354 | 18,919 | 18,280 | 42,660 | 26,152 |
| 7 | 53,864 | 49,159 | 42,966 | 93,693 | 66,714 | 79,451 | 130,116 | 54,618 | 57,512 | 54,775 | 52,380 | 50,328 | 42,474 | 46,811 |
| 8 | 66,593 | 60,955 | 53,130 | 115,715 | 82,613 | 98,048 | 161,057 | 39,335 | 41,357 | 39,892 | 39,912 | 35,990 | 58,831 | 37,600 |
| 9 | 67,179 | 61,428 | 53,656 | 116,624 | 83,214 | 99,074 | 162,643 | 40,163 | 42,230 | 40,210 | 40,231 | 38,884 | 75,735 | 41,049 |
| 10 | 73,426 | 67,453 | 58,054 | 128,768 | 91,460 | 108,975 | 176,433 | 39,532 | 41,563 | 39,637 | 39,271 | 37,932 | 46,368 | 39,898 |
| 11 | 55,333 | 50,287 | 43,667 | 97,417 | 68,999 | 82,201 | 131,856 | 0 | 0 | 0 | 0 | 0 | 79,674 | 0 |
| 12 | 39,884 | 36,796 | 34,198 | 62,810 | 47,759 | 59,312 | 103,174 | 95,481 | 96,963 | 95,710 | 97,093 | 93,986 | 113,498 | 101,372 |
| 13 | 54,406 | 51,402 | 45,619 | 94,116 | 68,351 | 80,289 | 137,833 | | 60,643 | | 132,422 | 128,410 | 135,653 | 139,452 |
| 14 | 32,650 | 28,703 | 25,171 | 53,800 | 38,526 | 45,660 | 76,013 | | 0 | | 72,326 | 70,175 | 101,450 | 76,246 |
| 15 | 43,437 | 39,537 | 34,440 | 76,268 | 53,945 | 64,241 | 104,424 | | 0 | | 99,968 | 97,143 | 115,170 | 105,491 |
| 16 | 63,699 | 62,467 | 49,478 | 118,969 | 85,122 | 100,913 | 166,889 | | 0 | | 158,765 | 154,011 | 157,091 | 167,943 |
| 17 | 35,720 | 28,460 | 24,966 | 53,024 | 38,134 | 45,048 | 75,663 | | 0 | | 71,871 | 69,728 | 109,521 | 75,849 |
| 18 | 42,642 | 39,105 | 34,101 | 74,428 | 53,107 | 63,093 | 103,438 | 0 | 0 | 0 | 98,449 | 95,677 | 113,377 | 103,784 |
| 19 | 57,800 | 53,082 | 46,700 | 99,468 | 71,242 | 84,317 | 141,290 | 0 | 0 | 0 | 107,427 | 104,165 | 124,449 | 113,621 |
| 20 | 16,805 | 15,506 | 13,759 | 28,300 | 20,476 | 16,686 | 25,194 | 92,854 | 97,842 | 93,135 | 107,647 | 104,771 | 123,721 | 113,142 |
| 21 | 43,279 | 39,782 | 36,505 | 70,196 | 52,206 | 60,309 | 110,509 | 101,912 | 105,840 | 102,158 | 104,356 | 101,103 | 122,427 | 109,593 |
| 22 | 26,673 | 24,538 | 22,112 | 44,485 | 32,554 | 38,033 | 67,208 | 61,795 | 65,062 | 62,000 | 63,860 | 61,949 | 74,290 | 67,609 |
| 23 | 48,224 | 44,250 | 40,345 | 79,439 | 57,755 | 67,676 | 122,061 | 112,456 | 117,866 | 112,657 | 115,793 | 112,264 | 135,250 | 122,301 |
| 24 | 23,874 | 22,004 | 20,020 | 39,131 | 28,947 | 33,575 | 60,690 | 55,950 | 58,559 | 56,136 | 57,537 | 55,782 | 66,994 | 60,631 |
| 25 | 52,555 | 48,252 | 42,703 | 89,789 | 64,511 | 76,221 | 128,646 | 82,598 | 86,435 | 82,716 | 94,183 | 91,537 | 108,472 | 139,702 |
| 26 | 25,433 | 23,412 | 21,186 | 42,224 | 30,831 | 35,985 | 63,942 | 59,009 | 61,764 | 59,085 | 60,937 | 59,122 | 70,756 | 44,715 |
| 27 | 27,199 | 24,913 | 22,834 | 44,249 | 32,656 | 37,709 | 68,446 | 80,697 | 82,923 | 80,808 | 113,728 | 110,950 | 130,531 | 119,332 |
| 28 | 31,994 | 29,466 | 26,475 | 53,246 | 38,824 | 45,292 | 79,834 | 74,268 | 77,948 | 74,268 | 76,730 | 74,404 | 118,258 | 79,813 |
| 29 | 30,253 | 30,061 | 34,963 | 41,835 | 55,772 | 66,245 | 105,821 | 44,604 | 63,139 | 55,571 | 12,047 | 39,604 | 116,315 | 105,448 |
| 30 | 33,407 | 30,292 | 27,009 | 58,511 | 41,333 | 48,092 | 81,983 | 41,759 | 79,506 | 0 | 78,319 | 70,607 | 90,461 | 82,840 |
| 31 | 43,662 | 43,347 | 40,512 | 80,291 | 58,436 | 66,480 | 122,294 | 112,656 | 117,813 | 100,719 | 115,860 | 112,459 | 108,402 | 122,168 |
| Pumps : | 1,373,662 | 1,265,662 | 1,123,986 | 2,341,081 | 1,712,970 | 2,015,143 | 3,402,285 | 1,545,861 | 1,726,999 | 1,506,072 | 2,370,620 | 2,321,536 | 2,943,214 | 2,600,676 |
| MIN : | 16,805 | 15,506 | 13,759 | 28,300 | 20,476 | 16,686 | 25,194 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MAX : | 73,426 | 67,453 | 58,054 | 128,768 | 91,460 | 108,975 | 176,433 | 112,656 | 117,866 | 112,657 | 158,765 | 154,011 | 157,091 | 167,943 |
| STATIONS : | 13,234,790 | | | | | | | 4,778,932 | | | 4,692,156 | | 2,943,214 | 2,600,676 |
| TOTAL : | 28,249,768 | | | | | | | | | | | | | |

Date January 2023
 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 | | 1.22 | 57 | 44 | 50 | | |
| 2 | | 0.00 | 48 | 35 | 42 | | |
| 3 | | 0.00 | 50 | 33 | 42 | | |
| 4 | | 0.34 | 50 | 46 | 48 | | |
| 5 | | 0.25 | 48 | 46 | 47 | | |
| 6 | | 0.00 | 46 | 41 | 44 | | |
| 7 | | 0.04 | 44 | 38 | 41 | | |
| 8 | | 0.00 | 39 | 32 | 35 | | |
| 9 | | 0.00 | 41 | 32 | 37 | | |
| 10 | | 0.00 | 43 | 29 | 36 | | |
| 11 | | 0.00 | 41 | 31 | 36 | | |
| 12 | | 0.33 | 47 | 36 | 42 | | |
| 13 | | 1.42 | 52 | 46 | 49 | | |
| 14 | | 1.22 | 47 | 38 | 42 | | |
| 15 | | 0.83 | 38 | 34 | 36 | | |
| 16 | | 0.52 | 38 | 35 | 36 | | |
| 17 | | 0.03 | 44 | 32 | 38 | | |
| 18 | | 0.00 | 51 | 39 | 45 | | |
| 19 | | 0.00 | 42 | 36 | 39 | | |
| 20 | | 1.25 | 43 | 38 | 41 | | |
| 21 | | 0.20 | 38 | 33 | 36 | | |
| 22 | | 0.00 | 45 | 31 | 38 | | |
| 23 | | 1.41 | 51 | 35 | 43 | | |
| 24 | | 0.00 | 41 | 31 | 36 | | |
| 25 | | 0.23 | 46 | 30 | 38 | | |
| 26 | | 1.75 | 51 | 40 | 46 | | |
| 27 | | 0.07 | 43 | 30 | 36 | | |
| 28 | | 0.00 | 49 | 31 | 40 | | |
| 29 | | 0.00 | 48 | 35 | 41 | | |
| 30 | | 0.00 | 49 | 37 | 43 | | |
| 31 | | 0.00 | 42 | 31 | 36 | | |
| Total | | 11.11 | | | | | |
| Average | | 0.36 | 45.5 | 35.8 | | | |
| Max | | 1.75 | 56.6 | 46.4 | | | |
| Min | | 0.0 | 37.5 | 29.5 | | | |

Date January 2022
 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 | | 0.12 | 51 | 47 | 49 | | |
| 2 | | 0.34 | 51 | 41 | 46 | | |
| 3 | | 0.00 | 42 | 33 | 37 | | |
| 4 | | 0.00 | 33 | 28 | 31 | | |
| 5 | | 0.64 | 51 | 31 | 41 | | |
| 6 | | 0.00 | 48 | 33 | 40 | | |
| 7 | | 0.60 | 36 | 28 | 32 | | |
| 8 | | 0.00 | 31 | 22 | 26 | | |
| 9 | | 0.00 | 46 | 26 | 36 | | |
| 10 | | 0.00 | 43 | 26 | 34 | | |
| 11 | | 0.00 | 27 | 12 | 19 | | |
| 12 | | 0.00 | 39 | 12 | 26 | | |
| 13 | | 0.00 | 43 | 29 | 36 | | |
| 14 | | 0.60 | 45 | 29 | 37 | | |
| 15 | | 0.00 | 29 | 19 | 24 | | |
| 16 | | 0.00 | 36 | 15 | 26 | | |
| 17 | | 0.99 | 49 | 36 | 43 | | |
| 18 | | 0.00 | 38 | 26 | 32 | | |
| 19 | | 0.00 | 43 | 22 | 32 | | |
| 20 | | 0.19 | 41 | 32 | 37 | | |
| 21 | | 0.00 | 32 | 26 | 29 | | |
| 22 | | 0.00 | 32 | 22 | 27 | | |
| 23 | | 0.00 | 36 | 20 | 28 | | |
| 24 | | 0.00 | 38 | 29 | 33 | | |
| 25 | | 0.00 | 44 | 33 | 38 | | |
| 26 | | 0.00 | 34 | 23 | 28 | | |
| 27 | | 0.00 | 31 | 19 | 25 | | |
| 28 | | 0.00 | 38 | 31 | 35 | | |
| 29 | | 1.28 | 36 | 16 | 26 | | |
| 30 | | 0.00 | 23 | 9 | 16 | | |
| 31 | | 0.00 | 27 | 7 | 17 | | |
| Total | | 4.76 | | | | | |
| Average | | 0.15 | 38.5 | 25.1 | | | |
| Max | | 1.28 | 51.4 | 46.5 | | | |
| Min | | 0.0 | 22.7 | 7.2 | | | |