

**REPORTS OF THE OFFICERS
OF THE
DENNIS WATER DISTRICT**



**FOR THE
CALENDAR AND FISCAL YEAR
2022**

DISTRICT OFFICIALS

2022

ELECTED OFFICIALS

WATER COMMISSIONERS

Term Expires

Paul F. Prue, <i>Chairman</i> , Dennis	2023
Peter L. McDowell, <i>Vice Chair</i> , Dennis	2024
Alan Tuttle, South Dennis	2022 (retired)
Robert M. Perry, South Dennis	2025 (elected 5/10/2022)

MODERATOR

William Bradford Crowell, East Dennis	2024
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APPOINTED BY MODERATOR

FINANCE COMMITTEE

Greg Stone, <i>Chairman</i>	2025
Faith Hallett	2024
Carlyn Cary (to fill unexpired term of Robert M. Perry)	2023
James Plath	2023
Richard Roy	2025

EMPLOYEES APPOINTED BY WATER COMMISSIONERS

SUPERINTENDENT

David Larkowski

CLERK & TREASURER

Sheryl A McMahon

ASSISTANT SUPERINTENDENT

James Ritchie

DISTRICT STAFF

Administration

Emily Finnegan
Louise McInnis (retired 11/25/2022)
Catherine Mullikin
Erica Spuria

Water Works & Production

Peter Alex
Robert Barboza
Andrew Carroll
Kenneth Davis
Eric DiRusso
Stephan Drozell
David Griffin
Scott Hollis
Anthony Iachetta
Max Keller
Joshua Kelley
Joseph Kraul
Brian Saunders

COUNSEL

Chamberlain Law Group, LLC

CONSULTING ENGINEER

Resilient Civil Engineering, PC

BOARD OF WATER COMMISSIONERS 2022

One of the most significant events of the year for this Board was the announcement by Water Commissioner Alan Tuttle that he would not seek another term in May. Chairman Prue and Commissioner McDowell extend their deepest appreciation for the six years Mr. Tuttle spent with them on the Board and wished him the best of health and happiness in his retirement from decades of public service. In his stead, Robert M. Perry was elected to a three-year term as Water Commissioner.

Despite the pandemic's disruption of our lives since March of 2020, operations at the District have returned to normal with the Board continuously focused on the production and delivery of safe and adequate drinking water to the customers and businesses of Dennis.

Of paramount concern to the Board right at the outset of the year, was the status of the groundwater. Given the low levels and insufficient precipitation in the 2021/2022 winter season, the Board heeded the recommendation of the Superintendent and voted to declare a mandatory limit on outdoor watering to just two times per week. This restriction was printed in the February 2022 newsletter. Throughout the spring, the Board monitored the groundwater levels and determined that enforcement of a mandatory odd/even watering limitation would be the most appropriate. In order to provide the necessary regulatory reference for that enforcement, the Board determined that a formal citation procedure, including the setting of fines and referral to the Orleans District Court, needed to be set out in a revised District bylaw. At the Annual District Meeting, Section 5 was replaced in its entirety with a well-defined enforcement process. Throughout the summer season, the Superintendent kept the Board apprised of the status of the overall groundwater, the water level at the wells and the need to reduce output capacity of certain wells in order to ensure their continued mechanical integrity. The odd/even mandate was lifted as of September 30. Due to staffing vacancies, it had not been possible to actually issue citations during the season. However, the Superintendent did reach out to property owners on an *as-needed* basis to address specific outdoor watering issues. The ability to issue citations as authorized under the bylaw is important and the Board will continue to review and evaluate the program. It was noted by the Board that the District had ultimately stayed under its annual pumping limit of 1.189 billion gallons and attributed it in part to customers' adherence to the odd/even watering mandate and to the Superintendent's careful management of our wells' water production.

Early in the year, the Board followed through with a revamping of the way in which the District procured auditing services. For many decades, the District Treasurer solicited quotations from qualified auditing firms to conduct the audit and prepare the financial statements in accordance with government accounting standards and awarded the contract to the lowest priced proposer. The procurement of a certified public account for auditing services is exempt from Massachusetts procurement law. However, the Board felt strongly that hiring the auditor should be under their purview and control. The Board met several times to review the process and agreed to a formal Request for Proposals that was issued in June with the proposals due in July. The Board was disappointed that there was only one respondent to the proposal, Roselli Clark & Associates. Following considerable debate, a majority of the Board agreed that the process they established had been followed and since the firm met the criteria and the price quoted was within the District's budget, the three-year contract was awarded to Roselli Clark. Fiscal Year 2021 and 2022 audits were successfully completed by November.

Despite anticipating a project cost of \$1.4 million for Painting the Interior and Exterior of the Old Bass River Tank, the painting contract pricing fell well below what had been originally estimated. With a new projected cost of just over \$1 million, the Board is anticipating a warrant article for the Annual District Meeting in April of 2023 that will transfer the necessary \$375,000 from available funds to finish funding this project and to rescind an outstanding borrowing authorization of \$725,000. In November of this year, the contractor for the project asked permission to install the staging on the tank. The staging will be covered in the Spring of 2023 to contain the old paint as it is sandblasted off. In terms of future projects and funding, the Board is aware that when it comes time to replace the filter media, known as *Green Sand*, in the Iron and Manganese Removal Plants, the existing \$500,000 in the replacement account will be insufficient by approximately \$1 million. Replacing the media is anticipated in another couple of years, which gives the Board time to address the funding need.

As the year was winding down, the Board became more aware and more concerned about the Town of Dennis' proposed treated effluent discharge Site 2 and its proximity to wells at the Main Station and Well 5 off

Route 134. The “Dennis Site 2 Hydrogeologic Evaluation Report” is a report on determining the suitability and the potential impact of a discharge point at the corner of Bob Crowell Road and Old Bass River Road. The concerns are focused on the quality and quantity of the various scenarios contained within the study as reported by the Town’s wastewater consultant CDMSmith. There was a consensus that the Board will likely seek further review and recommendations from an independent hydrogeology consultant we move into the new year.

The Board wishes to thank the management team of the Superintendent and Treasurer and to the District staff for their dedication and service to the customers of the Dennis Water District and for all they do to support the efforts and integrity of this community’s public water supplier.

Respectfully Submitted,

Paul F. Prue, Chair
Peter L. McDowell, Vice Chair
Robert M. Perry

MINUTES OF THE ANNUAL DISTRICT MEETING HELD ON April 26, 2022

The Moderator, W. Bradford Crowell, called the meeting to order at approximately 6:02PM at the Dennis Senior Center, 1045 Route 134, South Dennis. The pledge of allegiance was recited. The Moderator then introduced the Board of Water Commissioners and District Finance Committee.

The Moderator then asked for a motion to waive the formal reading of the warrant. On a motion made and duly seconded, those present **UNANIMOUSLY VOTED: to waive the formal reading of the Warrant.**

The Moderator then called for a motions for the following articles:

ARTICLE 1. UNANIMOUSLY VOTED: To accept the Reports of the District Officers for the Calendar and Fiscal Year 2022 as printed, with the exception of printer's errors.

ARTICLE 2. UNANIMOUSLY VOTED: To transfer and appropriate the sum \$7,956 from the General Water District Revenues of the Fiscal Year 2023 to fix the salary and compensation of the following elected officers of the District for the fiscal year commencing July 1, 2022:

*3 Water Commissioners at \$2,550 each;
1 Moderator at \$306*

ARTICLE 3. UNANIMOUSLY VOTED: To transfer and appropriate \$5,219,949 from General Water District Revenues of the Fiscal Year 2023 for the Operating and Maintenance Budget.

ARTICLE 4. UNANIMOUSLY VOTED: That the District transfer and appropriate the sum of \$420,749 from Free Cash the following Capital Items:

Cleaning Wells and Pump Repairs	\$250,000
Main Office and Station Building Maintenance	\$ 90,749
Plant Upgrades	\$ 80,000

to transfer and appropriate from the unexpended balance for Chlorine Analyzer Upgrades \$6,000 for the purpose of Plant Upgrades; and to transfer and appropriate from Water Revenues of the Fiscal Year 2023 the sum of \$169,251 as follows:

Tank Power Washing and Maintenance	\$100,000
New Truck w/Equipment	\$ 40,000
Miscellaneous Equipment	\$ 15,000
Main Office and Station Building Maintenance	\$ 9,251
Land Acquisition Costs	\$ 5,000

And further, that the District appropriates \$1,400,000, to pay costs of painting the interior and exterior of the Old Bass River Water Tank, and for the payment of any and all other costs incidental and related thereto, and that to meet this appropriation \$275,000 shall be transferred from Free Cash, \$400,000 previously appropriated under Article 4 of the Annual District Meeting held May 8, 2021, and the Treasurer, with the approval of the Water Commissioners, is authorized to borrow \$725,000 under and pursuant to G.L. c. 44, §8(7A), or any other enabling authority, and to issue bonds or notes of the District therefor.

ARTICLE 5. UNANIMOUSLY VOTED: To amend the Bylaws of the Dennis Water District by deleting Article Five and inserting a new Article 5 exactly as printed in the warrant:

ARTICLE 5 - WATER USE RESTRICTIONS

Section 1: Authority

This By-law is adopted by the Dennis Water District (District) under its police powers pursuant to Chapter 277 of the Acts of 1945, to protect public health and welfare and pursuant to its powers under M.G.L. c. 40, §§ 21 *et seq.* and implements the District's authority to regulate water use pursuant to M.G.L. c. 41, § 69B. This by-law also implements the District'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 M.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.

Section 2: Purpose

The purpose of this by-law 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 and to protect the quality and quantity of water in local aquatic habitats such as ponds, rivers and wetlands. This purpose 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 District in accordance with this by-law and/or by the Department of Environmental Protection under its state law authorities.

Section 3: Applicability

All District residents that are customers of the public water supply system shall be subject to this by-law. This by-law shall be in effect year round.

Section 4: Definitions

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

Automatic irrigation system, including sprinklers, shall mean any system for watering vegetation other than a hand-held hose or a bucket.

Nonessential outdoor water use shall mean those uses that are not required:
for health or safety reasons;
by regulation;
for the production of food and fiber;
for the maintenance of livestock; or
to meet the core functions of a business.

Nonessential outdoor water uses that are subject to mandatory restrictions include:

- irrigation of lawns via sprinklers or automatic irrigation systems;
- washing of exterior building surfaces, parking lots, driveways or sidewalks, except as necessary to apply paint, preservatives, stucco, pavement or cement.

Exceptions to nonessential outdoor water uses are:

- irrigation of lawns, gardens, flowers and ornamental plants by means of a hand-held hose controlled by a nozzle or a drip-irrigation system; and
- irrigation with harvested and stored stormwater runoff.

The following outdoor water uses are subject to review and approval by the District, through its Board of Water Commissioners or their designee:

- irrigation of public parks, recreation fields and traffic islands;
- irrigation to establish replanted or re-sodded lawn or plantings during the months of May through September;
- 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
- filling of privately owned outdoor pools.

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.

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.

State of Water Supply Conservation shall mean a State of Water Supply Conservation declared by the District pursuant to Article 5 of this by-law.

Water Customers shall mean all persons using the public water supply irrespective of that person’s responsibility for payment for use of the water.

Section 5: Declaration of a State of Water Supply Conservation

The District, through its Board of Water Commissioners or its designee, authorized to act as such:

- 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 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 Water Commissioners may designate the Water District Superintendent to declare a State of Water Supply Conservation at any time that conditions warrant. Public notice of a State of Water Conservation shall be given under Section 9 of this by-law before it may be enforced. The applicable restrictions, conditions or requirements shall be included in the public notice.

Section 6: State of Drought

Upon notification to the public that a State of Drought has been declared, no water customer shall violate any provision, restriction, requirement or condition of the District's water use restrictions. Public notice of a State of Drought shall be given under Section 9 of this by-law before it may be enforced. The applicable restrictions, conditions or requirements shall be included in the public notice.

Section 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, condition of any order approved or issued by the Department 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 Section 9 of this by-law before it may be enforced. The applicable restrictions, conditions or requirements shall be included in the public notice.

Section 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 customers as necessary to control the volume of water pumped each day, except as provided as acceptable in Section 4. The applicable restrictions, conditions or requirements shall be included in the public notice required under Section 9.

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 a 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 District's without a Water Management Act permit, to two days or fewer per week.

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.

Nonessential outdoor water use method restriction: Nonessential outdoor water use is restricted to a bucket or hand-held hose controlled by a nozzle.

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

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

Section 9: Public Notification and Notification of DEP

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 District 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 District 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 customers.

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 shall be made as soon as possible, but not later than 48 hours after the public water system receives notice of the Department's declaration of a State of Water Supply Emergency, by publication in a newspaper of general circulation with the District 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 customers of the State of Water Supply Emergency.

Any restriction imposed pursuant to Section 5 or Section 6 or in the Department's State of Water Supply Emergency or Order shall not be effective until notification to the public is provided.

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)).

Section 10: Termination of a State of Water Supply Conservation; Notice

A State of Water Supply Conservation may be terminated by a majority vote of the Board of Water Commissioners 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 Section 9a for notice of its imposition.

Section 11: Termination of a State of Drought; Notice

Upon notification to the District Water Commissioners, or their designee, that the declaration of a 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 Section 9a for notice of its imposition.

Section 12: Termination of a State of Water Supply Emergency; Notice

Upon notification to the District Water Commissioners, 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 Section 9b for notice of its imposition.

Section 13: Penalties

The District Water Commissioners, or their designee, including the water superintendent, may enforce this by-law. Any person violating this by-law shall be liable to the District in the amounts listed below:

First violation: Warning

Second violation: \$100

Third violation: \$200

Fourth and subsequent violations: \$300

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 general laws. For purposes of non-criminal disposition, the enforcing person shall be the water superintendent or the superintendent's designee. If a State of Water Supply Emergency has been declared the Water Commissioners may, in accordance with G.L. c. 40, § 41A, shut off the water at the meter or the curb stop.

Section 14: Severability

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

Moderator Crowell recognized Water Commission Chair Prue for additional comments. Chair Prue, on behalf of his fellow Commissioner Mr. McDowell and the citizens of the District and those present this evening, offered their sincerest appreciation for Alan Tuttle having served the District as Water Commissioner and for his many years of service to the Town of Dennis, wished him the very best in his retirement. Those in attendance rose for a standing ovation. Moderator Crowell thanked those present for having patience with him as this being his first meeting as the District's new moderator.

On a motion made and duly seconded, the meeting was adjourned by *UNANIMOUS VOTE* at approximately 6:23PM.

Respectfully submitted,

Sheryl A McMahon

District Clerk

DENNIS WATER DISTRICT

Balance Sheet

Jun 30, 22

ASSETS

Current Assets

Checking/Savings

1020 · Petty Cash Advance	500.00
1040 · Cash - Unrestricted	
1040-01 · Coop Bank of Cape Cod-M Market	27,715.85
1040-03 · Unibank Auto Cash	51,199.07
1040-05 · Rockland Trust	1,098,606.43
1040-06 · Harbor One Money Market	1,489,402.83
1040-07 · Citizens Bank Money Market	102,465.19
1040-10 · Citizens Bank - Checking	10,710.63
1040-11 · Coop Bank of Cape Cod-Checking	331,493.52
1040-12 · Unipay - On Line	76,711.08
1040-13 · Cape Cod 5 Money Market	207,843.06
1040-14 · Unibank Remote Deposit	75,394.82
1040-20 · MMDT - Cash Portfolio	644,943.42

Total 1040 · Cash - Unrestricted	4,116,485.90
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1050 · Cash - Restricted

1050-05 · Rockland Trust - OPEB Trust	374,477.60
1050-11 · Cape Cod 5 - Stabilization	204,196.37

Total 1050 · Cash - Restricted	578,673.97
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Total Checking/Savings	4,695,659.87
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Accounts Receivable

1400 · Accounts Receivable

1410 · Water Receivables	49,169.92
1415 · Water Liens Receivable	
1415-17 · FY 2017 Water Liens	1,386.68
1415-18 · FY 2018 Water Liens	346.96
1415-19 · FY 2019 Water Liens	1,857.36
1415-20 · FY 2020 Water Liens	1,028.14
1415-21 · FY 2021 Water Liens	1,450.45
1415-22 · FY 2022 Water Liens	12,464.23

Total 1415 · Water Liens Receivable	18,533.82
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1450 · Water Liens in Tax Title	4,436.91
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Total 1400 · Accounts Receivable	72,140.65
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1500 · Tax Receivables

1750 · Taxes in Litigation	473.71
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Total 1500 · Tax Receivables	473.71
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Total Accounts Receivable	72,614.36
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Total Current Assets	4,768,274.23
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TOTAL ASSETS	4,768,274.23
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LIABILITIES & EQUITY

Liabilities

Current Liabilities

Accounts Payable

2000 · Accounts Payable	11,718.14
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Total Accounts Payable	11,718.14
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Other Current Liabilities

2100 · Payroll Liabilities	10,256.20
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2300 · Revenue Reserved Until Collectd

2300-10 · Water Revenue Reserved	49,169.92
2300-15 · Water Lien Revenue Reserved	22,970.73
2300-20 · Deferred Tax Revenue	473.71

Total 2300 · Revenue Reserved Until Collectd	72,614.36
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3180 · Prior Fiscal Year Accruals

3180-03 · Accrued Payrolls FY 2022	55,611.10
3180-04 · Accrued Accts Payable FY 2022	17,934.32

Total 3180 · Prior Fiscal Year Accruals	73,545.42
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District Balance Sheet - Continued

3300 · Continuing Appropriations	
3310 · Land Acquisition Expenses	10,000.00
3320 · Billing Software & Cmptr Upgrds	91,641.35
3321 · Risk & Resilience Assessment	6,812.50
3331 · Water Withdrawal Permit Renewal	15,858.92
3333 · Asbuilt Program	7,198.52
3334 · SCADA Radio Upgrades	2,162.18
3335 · Security Upgrades	29,372.63
3340 · Cleaning Wells & Pump Repairs	467,721.53
3346 · New Trucks-5/8/21 & 4/26/22	25,829.48
3364 · Office & Station Bldg Maint	211,077.87
3365 · Tank Repairs & Power Washing	279,540.53
3366 · Power Line Maintenance	26,483.27
3370 · Paint Int/Ext OBR Tank	675,000.00
3385 · Water Dist System Maint & Ext	350,019.82
3389 · Treatment Plant Upgrades	86,000.00
3390 · Green Sand Replacement	500,000.00
Total 3300 · Continuing Appropriations	<u>2,784,718.60</u>
Total Other Current Liabilities	<u>2,941,134.58</u>
Total Current Liabilities	<u>2,952,852.72</u>
Long Term Liabilities	
3700 · OPEB Liability Trust Fund	374,477.60
Total Long Term Liabilities	<u>374,477.60</u>
Total Liabilities	<u>3,327,330.32</u>
Equity	
3500 · Special Reserve Accounts	
3500-01 · Reserve for Petty Cash Advance	500.00
3500-02 · Reserve for Mass Sales Tax	1,213.28
3500-03 · Reserve for Sick Leave Buy Back	73,240.82
3500-04 · Reserve - Safe Drink Water Act	13,515.83
3500-05 · Premiums from BAN to be Applied	10,774.30
Total 3500 · Special Reserve Accounts	<u>99,244.23</u>
3590 · Undesignated Fund Balance	1,137,503.31
3600 · Stabilization Fund	204,196.37
3810 · Budgetary Control	
3810-01 · Revenue Control FY 2023	-5,397,156.00
3810-02 · Appropriation Control FY 2023	5,397,156.00
Total 3810 · Budgetary Control	<u>0.00</u>
Total Equity	<u>1,440,943.91</u>
TOTAL LIABILITIES & EQUITY	<u><u>4,768,274.23</u></u>
DEBT ACCOUNTS	
Long Term Liabilities	
3425 · Bonds Authorized Authorized	725,000.00
3426 · Bonds Authorized and Unissued	-725,000.00
3430 · Long Term Bonds Issued	<u>0.00</u>
3430-01 · Land for Watershed Protection	165,000.00
3430-02 · Water Treatment Facilities	2,736,062.98
Total 3430 · Long Term Bonds Issued	<u>2,901,062.98</u>
3435 · Bond Anticipation Notes Payable	
3435-01 · Land Purchase - Hokum Rock Rd	1,000,000.00
3435-02 · Land Purchase Old Bass River Rd	630,000.00
Total 3435 · Bond Anticipation Notes Payable	<u>1,630,000.00</u>
Total Debt Outstanding	<u><u>4,531,062.98</u></u>

Income & Expense Report

July 1, 2021 - June 30, 2022

Ordinary Income/Expense

Income	
3900 · Estimated Receipts	4,944,979.54
4240 · Income	
4242 · Interest on Deposits	6,726.22
4640 · Tank Rental Fees	307,671.27
4645 · Solar Revenue	111,875.27
4840 · Miscellaneous Receipts	
4840-02 · Penalties & Interest	408.56
4840-05 · Snow Plow Reimbursement	4,310.10
4840-07 · Prior Year Liens & Real Est Tax	0.14
4840-09 · Expense Reimbursements	11,944.26
4840-99 · Other	0.01
Total 4840 · Miscellaneous Receipts	<u>16,663.07</u>
Total 4240 · Income	<u>442,935.83</u>
Total Income	<u>5,387,915.37</u>
Gross Profit	5,387,915.37
Expense	
5000 · Operating & Maintenance Budget	
5000-01 · Gasoline	43,214.88
5000-02 · Tractor Expense	4,415.98
5000-03 · Truck Maintenance & Repairs	17,919.76
5000-04 · Misc Equip Repairs & Mainten	6,705.11
5000-05 · Electricity	346,383.43
5000-06 · Diesel Fuel	4,319.86
5000-07 · Natural Gas	5,370.88
5000-09 · Sick Leave Buy-Back	32,259.00
5000-11 · Treatment Chemicals	209,183.70
5000-12 · Propane Gas	20,863.15
5000-13 · Treasurer's Expense	1,923.40
5000-14 · Engineering & Professional Serv	3,206.25
5000-15 · Hydrant Maintenance	9,015.56
5000-16 · Legal Services	8,983.60
5000-17 · Postage Expenses	23,767.38
5000-18 · Printing & Advertising	15,516.45
5000-19 · Office Expenses	5,213.43
5000-20 · Tool Expense	7,599.19
5000-21 · Meters & Parts	7,700.77
5000-23 · Superintendent's Expense	585.52
5000-24 · Licenses, Dues & Training	14,244.02
5000-26 · Safety Equipment & Supplies	3,590.29
5000-27 · Substance Abuse Free Workplace	1,025.00
5000-28 · Communication Expenses	19,716.40
5000-29 · FICA/Medicare & UHI Tax Expense	18,154.00
5000-31 · County Retirement Assessment	301,807.00
5000-32 · Other Post Employment Benefits	70,006.00
5000-34 · Computer Expenses	29,699.96
5000-35 · Uniforms, Rugs Rentals	10,364.08
5000-36 · Rubbish Removal	1,300.00
5000-37 · General Supplies	965.71
5000-38 · Other Necessary Expenses	2,462.13
5000-39 · Household Haz Waste Collect Day	21,010.00
5000-40 · Water Quality Expenses	26,895.47
5000-60 · Payroll - Office & Admin	447,847.34
5000-61 · Payroll - Water Works	835,528.84
5000-62 · Payroll - On Call Duty	37,265.90
5000-63 · Payroll - Station Duty	67,264.73
5000-64 · Payroll - Overtime	46,086.31
5000-66 · Payroll - Def Comp DWD share	20,879.00
5000-67 · Payroll - Longevity	16,257.00
5000-68 · License - Regrade	10,292.00

Income & Expense Report - Continued

5010 · Repairs & Maintenance	120,386.42
5030 · Group Insurance Costs	344,884.11
5040 · Debt Service	
5040-01 · Principal on Loans	750,866.14
5040-02 · Interest & Service Fee on Loans	84,644.67
Total 5040 · Debt Service	<u>835,510.81</u>
5050 · Insurance	
5050-01 · Workers' Compensation	22,724.00
5050-02 · Property & Casualty	108,106.00
5050-03 · Treasurer's Bond	480.00
Total 5050 · Insurance	<u>131,310.00</u>
5060 · Independent Financial Reporting	
5060-01 · Financial Audit	14,000.00
5060-02 · OPEB Actuarial Evaluation	3,500.00
Total 5060 · Independent Financial Reporting	<u>17,500.00</u>
5100-30 · Elected Officials Salaries	7,955.99
5100-90 · Water Services	126,388.56
5999 · Reserve Fund	10,000.00
Total 5000 · Operating & Maintenance Budget	<u>4,370,744.37</u>
5200 · Operating & Maintenance - Other	
5200-01 · Tires & Maintenance Dump Truck	-777.62
Total 5200 · Operating & Maintenance - Other	<u>-777.62</u>
Total Expense	<u>4,369,966.75</u>
Net Ordinary Income	<u>1,017,948.62</u>
Other Income/Expense	
Other Expense	
5600 · Continuing - Appropriations	
5685 · Water Dist System Maint & Ext	67,092.00
5690 · Green Sand Replacement	75,000.00
Total 5600 · Continuing - Appropriations	142,092.00
5700 · Capital Projects	
5710 · Paint Int/Ext OBR Tank	400,000.00
Total 5700 · Capital Projects	<u>400,000.00</u>
Total Other Expense	<u>542,092.00</u>
Net Other Income	<u>-542,092.00</u>
Net Income	<u><u>475,856.62</u></u>

	DENNIS WATER DISTRICT		FY 2022	Wages Paid
	REGULAR PAY	OVERTIME PAY	DOUBLE OVERTIME PAY	TOTAL
ELECTED OFFICIALS				
Crowell, Wm. Bradford	306.00			306.00
McDowell, Peter L	2,550.00			2,550.00
Perry, Robert M	357.28			357.28
Prue, Paul	2,550.00			2,550.00
Tuttle, Alan	2,192.71			2,192.71
	7,955.99			7,955.99
Finnegan, Emily	18,695.23	0.00	0.00	18,695.23
McInnis, Louise S	51,513.74	0.00	0.00	51,513.74
McMahon, Sheryl A	123,049.83			123,049.83
Mullikin, Catherine M	40,826.19	0.00	0.00	40,826.19
Spuria, Erica	40,122.42	300.20	0.00	40,422.62
	274,207.41	300.20	0.00	274,507.61
Alex, Peter W	51,584.40	2,025.60	204.80	53,814.80
Barboza, Robert J	80,545.60	20,588.52	4,660.80	105,794.92
Carroll, Andrew W	53,606.41	632.00	0.00	54,238.41
Davis, Kenneth J	66,408.15	8,429.78	710.60	75,548.53
DiRusso, Eric G	45,086.40	2,564.74	332.16	47,983.30
Drozell, Stephan H	45,107.30	1,822.39	162.64	47,092.33
Griffin, David W	71,425.32	35,141.82	3,362.88	109,930.02
Hollis, Scott A	65,448.52	4,238.17	256.41	69,943.10
Kelley, Joshua D	45,712.04	1,647.42	169.44	47,528.90
Kraul, Joseph D	50,059.80	1,615.59	0.00	51,675.39
Larkowski, David A	124,745.76	9,233.82	0.00	133,979.58
Pina Jr, Profirio J	75,748.00	974.95	0.00	76,722.95
Ritchie, James E	101,681.58	18,284.22	733.92	120,699.72
Saunders, Brian J	84,415.24	20,088.63	390.50	104,894.37
Sullivan, Devin J	31,538.08	229.68	0.00	31,767.76
	993,112.60	127,517.33	10,984.15	1,131,614.08

Superintendent Report 2022

Overall, 2022 was a better year as we learned how to best manage through the pandemic. However, there were still considerable supply chain issues and the increased costs of nearly everything. For instance, the cost of some water service materials increased by upwards of 25% and lead times on orders was around nine months. Potassium Hydroxide, our main water treatment chemical, was in good supply, but had a price increase of about 72%. Some projects were held off for a while, such as the cleaning of wells because of the short supply of CO2 used in the cleaning process. Despite the difficulties, progress on most maintenance projects were accomplished as we adjusted operations by anticipating the needs further out, placing orders well in advance and keeping an appropriate amount of essential inventory items in stock.

Wells 11, 15, 4, 8, 20 and 21 received cleanings and pump work which was all completed and by the beginning of summer. This was vitally important considering the drought conditions experienced up to and during the demands of the summer season. Lower water levels this year meant that it was critically important to have all our wells running at peak performance.

In early 2022, water restrictions were declared mandatory. A two-day per week was initially set in motion, later to be reduced to a mandatory limit of Odd/Even days which matched the street number of customers' homes and businesses. Some found this confusing so it was subsequently clarified as "Odd" days to water on Mondays, Wednesdays and Fridays and those that were "Even" watered on Tuesdays, Thursdays and Saturdays. This seemed to help customers resolve their irrigation timer setting issues. I wish I could say that *everyone* did their part to help curb the appetite for watering, but that was not the case. I say "Thank You" to those who did abide by these restrictions it did provide some relieve in the pumping demand. Prior to the beginning of the season the voters at the Annual Meeting re-established a comprehensive bylaw that clearly established procedures for issuing citations for violations of mandatory watering restrictions. This is important for the future in the event of a water emergency and during drought conditions if the Board of Water Commissioners and or the Massachusetts Department of Environmental Protection issues water restrictions.

A significant infrastructure project for the District in 2022 was the bidding for the Painting the Interior and Exterior of the Old Bass River Tank. The rehabilitation work that the tank needs was originally estimated to cost is \$1.4 million. We were delighted to open the bids and contract pricing significantly lower than anticipated which lowered the overall project cost to \$1.05. That project work began in November by draining the tank then followed by the contractor erecting the staging on the tank in anticipation of the work commencing in the Spring of 2023. The District also power washed the Hokum Rock Tank in the fall with our own crews performing the work. Power washing tanks is work done as needed with our own employees providing a tremendous savings to the District.

As we have done for many years, projects like the Household Hazardous Waste Collection Day went on at the Tony Kent Arena and continues to be big success. Flushing Hydrants on the north side of Dennis in the spring was completed with a total of 4,700,000 gallons used to flush the system. Our Flushing program is essential for maintaining good water quality in the distribution system. We are pleased to report that the District had no detections of total coliforms or bacteria in 2022.

As always, I wish to extend my sincerest thanks to the office staff for all they do providing our customers with daily support and to the water works staff for everything they do to keep the system operating and responding to the service needs of our customers. I would also like to congratulate the newest Board member Robert Perry and welcome him to the District.

Respectfully Submitted,

David Larkowski
Superintendent

Pumping Equipment Operations 2022

	<i># of days</i>		<i># of days</i>
Main Station – Old Bass River Road 5 submersible electric pumps with a total capacity of 700 gpm pump	110	Sub-Station 12 – Old Chatham Road 75 hp electric motor w/700 gpm pump	222
Sub-Station 1 – Old Chatham Road 40 hp electric motor w/350 gpm pump	132	Sub-Station 13 – Center Street Decommissioned December 1999	
Sub-Station 2 – Old Chatham Road 20 hp electric motor w/200 gpm pump	132	Sub-Station 14 – Baker’s Pond Road 60 hp electric motor w/ 450 gpm pump	150
Sub-Station 3 – Old Chatham Road 20 hp electric motor w/250 gpm pump	132	Sub-Station 15 – Baker’s Pond Road 75 hp electric motor w/700 gpm pump 70kW generator	219 50 hrs
Sub-Station 4 – Old Bass River Road 30 hp electric motor w/350 gpm pump 85kW generator	107 52 hrs	Sub-Station 16 – Timber Lane 40 hp electric motor w/ 450 gpm pump	219
Sub-Station 5 – Route 134 30 hp electric motor w/450 gpm pump	227	Sub-Station 18 – Hokum Rock Road 75 hp electric motor w/ 700 gpm pump 70kW generator	212 48 hrs
Sub-Station 6 – Old Bass River Road 30 hp electric motor w/150 gpm pump	109	Sub-Station 19 – Setucket Road 75 hp electric motor w/700 gpm pump 75kW generator	235 51 hrs
Sub-Station 7 – Airline Road 40 hp electric motor w/450 gpm pump	197	Sub-Station 20 – Setucket Road 75 hp electric motor w/700 gpm pump 70kW generator	251 52 hrs
Sub-Station 8 – Airline Road 40 hp electric motor w/350 gpm pump	197	Sub-Station 21 – Route 134 75 hp electric motor w/700 gpm pump 80 kW generator	209 48 hrs
Sub-Station 9 – Grassy Pond Drive 75 hp electric motor w/650 gpm pump 75kW generator	221 49 hrs	Sub-Station 22– Route 134 75 hp electric motor w/700 gpm pump	198
Sub-Station 10 – Airline Road 75 hp electric motor w/700 gpm pump	156	Sub-Station 23– Old Chatham Road 75 hp electric motor w/700 gpm pump 85kW generator	136 47 hrs
Sub-Station 11 – Old Bass River Road 60 hp electric motor w/500 gpm pump	204	Booster Station – Route 134 2 – 345 hp caterpillar diesel engines w/3,500 gpm pump on each motor (manual)	0 hrs

VEHICLE & EQUIPMENT OPERATIONS 2022

Truck #		Miles
2	2020 Chevrolet 1500 ½-ton pickup	6,294
4	2019 Chevrolet 2500 ¾-ton pickup	17,411
6	2015 Chevrolet ¾-ton pickup	6,681
8	2013 GMC 1500 ½-ton pickup	2,704
10	2017 Chevrolet ½-ton pickup	11,283
12	2017 Chevrolet 1-ton dump truck	2,680
14	2015 Chevrolet ½-ton pickup	7,688
16	2016 Chevrolet utility van	8,871
18	2007 Chevrolet ½-ton pickup	3,844
20	2002 Chevrolet dump truck	381
22	1999 GMC dump truck	598
24	2016 Chevrolet 2500 utility truck	10,840
26	2012 Chevrolet 1500 ½-ton pickup	5,104
28	2018 Chevrolet 2500 utility truck	2,710
30	2017 Chevrolet Citi Van	11,504
32	2016 Chevrolet 3500 utility truck	3,891
34	2020 Chevrolet 1500 ½-ton pickup	14,448
36	2021 Chevrolet 5500 Dump	1,718
TOTAL MILEAGE		118,650

	Equipment	Hours
1993	Gravely	65
2016	Sullivan Air Compressor	62
2000	Ingersol Rand Air Compressor	21
2000	Kobelco Excavator	25
2016	John Deere Backhoe Loader	140
2014	John Deere Backhoe Loader	291
2015	John Deere Mini-excavator 35G	201
2017	John Deere Mini-excavator 50G	254
2005	Gravely	91
2004	Mower	68
2004	Roller	11
2000	100kw Generator Set #1	14
2000	100kw Generator Set #2	14

CUSTOMER TRANSACTIONS – FY 2022

Meter Replacements	552
Seasonal Meter Removal/Re-install	2,722
Final Readings	488
Backflow Prevention Device Tests	362
Demand Letters Processed	290
Demand Shut-Off Processed	4
Frozen Meters	38
Meter Tampering	0
Service Calls/Repairs	219
Fire Sprinkler Standby	126
Renewal/Relocation/Repair and Cut-Off of Water Services	602
Payments Processed	31,135

NEW SERVICES FY 2022

Dennis	27
East Dennis	9
Dennisport	18
West Dennis	21
South Dennis	9
<i>TOTAL</i>	<i>84</i>

WATER PUMPED IN 2022 In Gallons

January	41,306,400
February	37,799,400
March	39,371,000
April	48,764,900
May	95,773,200
June	151,568,500
July	228,455,100
August	209,237,600
September	151,268,100
October	76,937,700
November	39,953,100
December	37,852,400
<i>Total</i>	<i>1,158,287,400</i>

MAIN LINE GATES & HYDRANTS
as of December 31, 2022

Year	20"	16"	12"	10"	8"	6"	2"	Total	Hydrants
All	14	20	207	144	621	2566	163	3735	1603
2012			7		1	3		11	2
2013			2			8	-1	9	4
2014					2			2	2
2015			3			10		13	2
2016			2			2		4	1
2017						6	-4	2	2
2018			1		1	5		7	3
2019				8	4	15	-1	26	11
2020					1	5	-2	4	1
2021						3		3	
2022					2	4		6	
Totals	14	20	222	152	632	2627	155	3822	1631

WATER MAINS
as of December 31, 2022

Year	24"	16"	12"	10"	8"	6"	4"	2"	Total
Prev	15,998	15,882	149,280	91,894	431,724	476,724	373	60,024	1,241,899
2012			5,399		40	463			5,902
2013			3,161		1,953	2,195		-450	6,859
2014		35			1,150				1,185
2015			1,492			-615			877
2016						450			450
2017						1,141		-955	186
2018			196			1,066			1,262
2019					1,320	2,472		-1,000	2,792
2020					410	1,275		-1,000	685
2021						320			320
2022					138	193			331
	15,998	15,917	159,528	91,894	436,795	485,684	373	56,619	1,262,748

239.15 Miles of Water Main
All Cast/Ductile Iron - Cement Lined Pipe

PRODUCTION DEMAND STATISTICS

Calendar Year 2022

Largest Day	July 24	9,609,900
Smallest Day	January 4	915,600
2 nd Largest Day	July 31	9,457,400
2 nd Smallest Day	January 21	915,900
Largest Week	July 17 - 23	55,164,000
Smallest Week	January 2 - 8	8,518,100
2 nd Largest Week	July 24 - 30	53,368,300
2 nd Smallest Week	January 23 - 29	9,470,200
Largest Month	July	228,455,100
Smallest Month	February	37,799,400
2 nd Largest Month	August	209,237,600
2 nd Smallest Month	January	41,306,400

SYSTEM STATISTICS

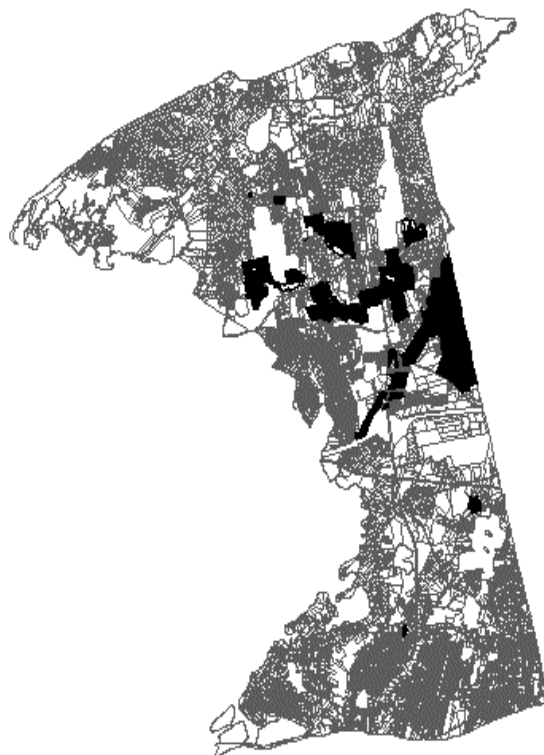
Calendar Year 2022

Pumping Capacity of Main Station and 22 Sub Stations	11,600 Gallons Per Minute
Chemical Feed Pumping Stations	13
Storage Capacity of Three Standpipes and One Elevated Tank	10,550,000 Gallons
Maximum Permitted Withdrawal from all wells Per Year	1.189 Billion Gallons
Two Iron & Manganese Removal Treatment Plants	9,700,000 Gallons Per Day

LAND OWNED BY DISTRICT (acres)

Land Owned as of 12/31/2022 1,016.72

***Watershed Conservation Restrictions
Held as of 12/31/2021 69.60***



WATER RATES & CHARGES

DISTRICT PROPERTY TAX RATE

In Fiscal Year 1989, the District's tax rate was set at "zero." It continued at zero until FY2009, when by action under Article 9, the voters appropriated funds for the continued investigation of wastewater planning which re-established a tax rate. The rate when approved by the Department of Revenue was set at 4¢ per thousand dollars of property valuation. The tax rate has been set at zero since FY 2010.

ACCOUNT CHARGE

Formerly known as the *Minimum Charge*, which provided an "allowance" of 15,000 gallons for each six-month billing cycle, this charge now represents a basic semiannual fee regardless of the amount of water used, if any, during each six-month billing cycle.

7/1/91 - 6/30/92 - Minimum Charge \$30 with an allowance of 15,000
7/1/92 - 6/30/93 - Account Charge \$25 - no allowance
7/1/93 - 6/30/98 - Account Charge \$20 - no allowance
7/1/98 - 6/30/08 - Account Charge \$25 - no allowance
7/1/08 - 6/30/09 - Account Charge \$36 - no allowance
7/1/09 - 6/30/20 - Account Charge \$42 - no allowance
7/1/20 - 6/30/23 - Account Charge \$48 - no allowance

CONSUMPTION

7/1/92 - 6/30/94 - No Allowance - \$1.50	07/01/09 - 12/31/19 - First 50,000 gallons - \$2.50
7/1/94 - 6/30/00 - First 50,000 gallons - \$1.50	Next 50,000 gallons - \$3.00
51,000 and over - \$1.75	101,000 gallons and up - \$3.50
7/1/00 - 12/31/04 - First 50,000 gallons - \$1.50	01/01/20 - 06/30/23 - First 50,000 gallons - \$3.00
Next 50,000 gallons - \$2.00	Next 50,000 gallons - \$3.50
101,000 gallons and up - \$2.50	101,000 gallons and up - \$4.00
1/1/05 - 06/30/09 - First 50,000 gallons - \$2.00	
Next 50,000 gallons - \$2.50	
101,000 gallons and up - \$3.00	

SAFE DRINKING WATER ACT ASSESSMENT

This is a pass through fee set by the Department of Environmental Protection. This revenue subsidizes DEP's oversight of public water suppliers and the enforcement of EPA compliance. The rate includes a five percent administrative fee.

7/1/95 - 6/30/03 - \$0.0084 per thousand gallons
7/1/03 - 12/31/19 - \$0.0090 per thousand gallons
1/1/20 - 6/30/22 - \$0.009975 per thousand gallons (rounded to 1¢)

LAND ACQUISITION FEE—\$10 semiannual fee from Aug 2001 through February 2007.

WATERSHED PROTECTION FEE—At the Annual District Meeting, held April 25, 2007, the voters, under Article 12, approved the purchase of 6.5 acres of land for wellhead and watershed protection and the purchase of water conservation restrictions on 59(+/-) acres of land in the Town of Brewster. The article approved the cost at \$2,500,000. In order to pay for the bond issuance costs, debt service and other ancillary costs, the voters also approved a new fee. The fee was set at \$10 per customer every six months until the total cost is recovered. The fee was first assessed in August 2007 and was last assessed on the August 2019 water bill.

**DENNIS WATER DISTRICT
BYLAWS**

Effective April 26, 2022

As amended by voted at the Annual District Meeting held April 26, 2022

Copies of the complete set of District Bylaws can be found on the District's website by [Clicking Here](#).

A printed copy can be obtained upon request by contacting the District at 508-398-3351 or visiting the office at 80 Old Bass River Road, South Dennis