

#### Trustees

Richard Leigh, President  
Russell A. Peterson, Treasurer  
Karen Arsenault, Clerk  
Stephen C. Rendall Jr., Trustee  
Richard E. Boston, Trustee

#### Administration

Donald D. Neumann Jr., Superintendent  
Gary E. Stevens, Asst. Superintendent  
Patrick M. Desrosiers, Financial Manager  
Ryan Lynch, Treatment Plant Manager

86 Woodbridge Road  
York, Maine 03909  
Telephone: (207) 363-2265  
Fax: (207) 363-7338  
[www.yorkwaterdistrict.org](http://www.yorkwaterdistrict.org)

Posted February 8, 2023

LEGAL NOTICE -- The monthly meeting of the York Water District Board of Trustees will be held as a “hybrid meeting” remotely and in-person at 2:00 pm on Wednesday, February 15, 2023, as per the district’s meeting policy. Members of the public that wish to participate remotely, please send a request to [customerservice@yorkwaterdistrict.org](mailto:customerservice@yorkwaterdistrict.org) by 12:00 pm on the day of the meeting. Staff will provide an invite by email ten minutes prior to the meeting.

#### AGENDA

1. The President will call the meeting to order.
2. See what action the Board will take after a review of the minutes of the Board Meeting held on January 18, 2023.
3. Invitation for Public Comment.  
*Because time is limited, comments by everyone will be limited to 3 minutes. All comments will be directed to the Board President and are required to be civil, respectful, and relevant to the York Water District.*  
*For those who were not provided an adequate opportunity to provide oral comments, they are free to submit written comments. Those comments should be sent to [customerservice@yorkwaterdistrict.org](mailto:customerservice@yorkwaterdistrict.org)*
4. The Financial Manager will present the Board of Trustees with monthly budgetary reports and income statements for review and discussion.
5. Dan Flaig of Wright Pierce will provide a brief summary regarding supply, demand and growth projections.
6. See what action the Board may take regarding the adoption of a Resolution to issue bonds, which may be tax exempt, in the principal amount of up to \$700,000, to finance the completion of watermain replacements on Moulton Lane and Lindsay Road.
7. See what action the board will take on opening an investment account for the purpose of setting up a ladder of U.S. Treasury Notes.
8. See if the Board will approve a Retire Rehire policy.
9. See if the Board will implement the early retirement payout policy.
10. Staff will provide an update on District operations.
11. General Discussion
12. Adjourn.

Respectfully Submitted,

Donald D. Neumann, Jr.  
Superintendent

DATE: 2/8/2023  
TIME: 9:10:35AM

**York Water District**  
**INVOICE LIST**  
**FOR INVOICES FROM 1/12/2023 TO 2/8/2023**

PAGE: 1

| Vendor #                             | Vendor Name                          | Invoice #      | Amount    | Check Date | CHK # | Description                         |
|--------------------------------------|--------------------------------------|----------------|-----------|------------|-------|-------------------------------------|
| Advanced Communications Services Inc |                                      |                |           |            |       |                                     |
| 348                                  | Advanced Communications Services Inc | 6010680        | 8,730.00  | 01/12/2023 | 18147 | VPN REPLACEMENTS                    |
| 348                                  | Advanced Communications Services Inc | 6010693        | 142.50    | 01/12/2023 | 18147 | IT SERVICE CALL                     |
| 348                                  | Advanced Communications Services Inc | 6010699        | 2,200.00  | 01/26/2023 | 18195 | DIGITAL CAMERA SYSTEM               |
| 348                                  | Advanced Communications Services Inc | 6010723        | 470.00    | 01/26/2023 | 18195 | IT SERVICES (CYBER REPORTING)       |
| 348                                  | Advanced Communications Services Inc | 6010728        | 470.00    | 02/02/2023 | 18213 | IT SERVICES - CYBER REPORTING       |
|                                      |                                      |                | 12,012.50 |            |       |                                     |
| AHM - NORTHERN LIGHT DRUG TESTING    |                                      |                |           |            |       |                                     |
| 210                                  | AHM - NORTHERN LIGHT DRUG TESTING    | 00063752-00    | 128.00    | 01/26/2023 | 18196 | CONTRACTED SERVICE (DRUG TESTING)   |
|                                      |                                      |                | 128.00    |            |       |                                     |
| ALBERT HENSON                        |                                      |                |           |            |       |                                     |
| 1,365                                | ALBERT HENSON                        | 01/13/2023     | 225.00    | 02/02/2023 | 18214 | 2023 BOOT ALLOWANCE - R. HENSON     |
|                                      |                                      |                | 225.00    |            |       |                                     |
| AMERICAN SECURITY ALARM              |                                      |                |           |            |       |                                     |
| 598                                  | AMERICAN SECURITY ALARM              | 151350         | 612.00    | 01/12/2023 | 18148 | ALARM MONITORING (OFFICE)           |
| 598                                  | AMERICAN SECURITY ALARM              | 151412         | 612.00    | 01/12/2023 | 18148 | ALARM MONITORING - RPO              |
| 598                                  | AMERICAN SECURITY ALARM              | 151883         | 293.00    | 02/02/2023 | 18215 | MATERIALS - ALARM CONTRACTOR        |
|                                      |                                      |                | 1,517.00  |            |       |                                     |
| American Water Works                 |                                      |                |           |            |       |                                     |
| 5                                    | American Water Works                 | SO52038        | 487.00    | 01/19/2023 | 18175 | ASSOCIATION DUES (AWWA)             |
|                                      |                                      |                | 487.00    |            |       |                                     |
| AQUILLA & NEPTUN, LLC                |                                      |                |           |            |       |                                     |
| 1,200                                | AQUILLA & NEPTUN, LLC                | 3233           | 8,257.00  | 01/19/2023 | 18176 | ACTUATOR REPLACEMENTS (2)           |
|                                      |                                      |                | 8,257.00  |            |       |                                     |
| CARDMEMBER SERVICE                   |                                      |                |           |            |       |                                     |
| 1,264                                | CARDMEMBER SERVICE                   | 001618817 01/2 | 8,445.02  | 01/19/2023 | 18177 | JANUARY CREDIT CARD ACTIVITY        |
|                                      |                                      |                | 8,445.02  |            |       |                                     |
| Central Maine Power                  |                                      |                |           |            |       |                                     |
| 24                                   | Central Maine Power                  | 35010715726 0  | 20.57     | 01/19/2023 | 18178 | POWER - LIGHT AT POND               |
| 24                                   | Central Maine Power                  | 35011336332 0  | 162.66    | 01/26/2023 | 18197 | POWER - RTE 1 NORTH PS              |
| 24                                   | Central Maine Power                  | 35012087900 0  | 165.85    | 01/19/2023 | 18178 | POWER - SIMPSON HILL TANK           |
| 24                                   | Central Maine Power                  | 35012909699 0  | 21.27     | 01/19/2023 | 18178 | POWER - RPO GARAGE                  |
| 24                                   | Central Maine Power                  | 35012922080 0  | 100.87    | 01/26/2023 | 18197 | POWER - WHITE PINE PS               |
| 24                                   | Central Maine Power                  | 35012966749 0  | 575.70    | 01/19/2023 | 18178 | POWER - SCREENHOUSE/AERATION SYSTEM |
| 24                                   | Central Maine Power                  | 35012969180 0  | 2,356.15  | 01/19/2023 | 18178 | POWER - TREATMENT PLANT             |
| 24                                   | Central Maine Power                  | 35013404708 0  | 341.89    | 01/26/2023 | 18197 | POWER - RTE 1 SOUTH PS              |
| 24                                   | Central Maine Power                  | 35015157361 0  | 307.10    | 01/26/2023 | 18197 | POWER - WHIPPOORWILL PS             |
| 24                                   | Central Maine Power                  | 35015205897 0  | 137.05    | 01/19/2023 | 18178 | POWER - RPO                         |
| 24                                   | Central Maine Power                  | 35015396233 0  | 23.17     | 01/19/2023 | 18178 | POWER - LIGHT AT SHOP               |
| 24                                   | Central Maine Power                  | 35016940278 0  | 58.20     | 01/26/2023 | 18197 | POWER - HEIGHTS TANK                |
| 24                                   | Central Maine Power                  | 35016960912 0  | 212.51    | 01/26/2023 | 18197 | POWER - HEAT TAPE                   |
| 24                                   | Central Maine Power                  | 35017139011 0  | 505.23    | 01/19/2023 | 18178 | POWER - OFFICE/SHOP                 |
|                                      |                                      |                | 4,988.22  |            |       |                                     |





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|--------------------------------------------|----------------------------|------------------|-----------------|-------------------|--------------|--------------------------------------|
| 68                                         | MAINE RURAL WATER ASSO     | 14174            | 60.00           | 01/12/2023        | 18160        | TRAINING CLASS (MRWA)                |
|                                            |                            |                  | <b>60.00</b>    |                   |              |                                      |
| <b>Maine Water Utilities</b>               |                            |                  |                 |                   |              |                                      |
| 148                                        | Maine Water Utilities      | 2004385          | 245.00          | 01/12/2023        | 18161        | MWUA TRAINING (CONFERENCE) - 1 STAFF |
| 148                                        | Maine Water Utilities      | 2004415          | 1,200.00        | 01/19/2023        | 18187        | MWUA CLASS - CHAINSAW SAFETY         |
|                                            |                            |                  | <b>1,445.00</b> |                   |              |                                      |
| <b>MB TRACTOR &amp; EQUIPMENT</b>          |                            |                  |                 |                   |              |                                      |
| 833                                        | MB TRACTOR & EQUIPMENT     | EI38283          | 4,742.00        | 02/02/2023        | 18225        | EXCAVATOR TRACKS                     |
| 833                                        | MB TRACTOR & EQUIPMENT     | EI38316          | 359.49          | 01/19/2023        | 18188        | VEHICLE MAINT MATERIALS              |
|                                            |                            |                  | <b>5,101.49</b> |                   |              |                                      |
| <b>NELSON ANALYTICAL LLC</b>               |                            |                  |                 |                   |              |                                      |
| 587                                        | NELSON ANALYTICAL LLC      | 223010136        | 120.00          | 01/19/2023        | 18190        | MONTHLY BACTERIA MONITORING          |
| 587                                        | NELSON ANALYTICAL LLC      | 223010230        | 220.00          | 01/26/2023        | 18205        | SAMPLES - SPRING ST MAIN             |
| 587                                        | NELSON ANALYTICAL LLC      | 223010232        | 100.00          | 01/26/2023        | 18205        | SAMPLES - SPRING ST MAIN             |
| 587                                        | NELSON ANALYTICAL LLC      | 223010321        | 220.00          | 01/26/2023        | 18205        | SAMPLES - SPRING ST MAIN             |
| 587                                        | NELSON ANALYTICAL LLC      | 223010361        | 220.00          | 02/02/2023        | 18227        | SAMPLES - SPRING ST MAIN             |
| 587                                        | NELSON ANALYTICAL LLC      | 223010379        | 105.00          | 02/02/2023        | 18227        | MONTHLY BACTERIA SAMPLES             |
|                                            |                            |                  | <b>985.00</b>   |                   |              |                                      |
| <b>New England Instrument/Service Asso</b> |                            |                  |                 |                   |              |                                      |
| 77                                         | New England Instrument/Ser | 24754            | 533.50          | 01/12/2023        | 18164        | MISC SERVICES (CALIBRATIONS)         |
|                                            |                            |                  | <b>533.50</b>   |                   |              |                                      |
| <b>Pike Industries Inc.</b>                |                            |                  |                 |                   |              |                                      |
| 464                                        | Pike Industries Inc.       | 1218910          | 544.32          | 02/02/2023        | 18228        | FILL MATERIALS                       |
|                                            |                            |                  | <b>544.32</b>   |                   |              |                                      |
| <b>ROBBINS AUTO PARTS</b>                  |                            |                  |                 |                   |              |                                      |
| 931                                        | ROBBINS AUTO PARTS         | 460-243348       | 93.86           | 01/19/2023        | 18192        | VEHICLE MAINT MATERIALS              |
| 931                                        | ROBBINS AUTO PARTS         | 460-243924       | 335.48          | 01/26/2023        | 18207        | VEHICLE MAINT MATERIALS              |
| 931                                        | ROBBINS AUTO PARTS         | 460-243967       | 53.14           | 02/02/2023        | 18230        | VEHICLE MAINT MATERIALS              |
| 931                                        | ROBBINS AUTO PARTS         | 460-244014       | -54.00          | 02/02/2023        | 18230        | RETURN ITEMS                         |
| 931                                        | ROBBINS AUTO PARTS         | 460-244826       | 52.81           | 02/02/2023        | 18230        | VEHICLE MAINT MATERIALS              |
|                                            |                            |                  | <b>481.29</b>   |                   |              |                                      |
| <b>S. APGAR TRUCKING</b>                   |                            |                  |                 |                   |              |                                      |
| 1,167                                      | S. APGAR TRUCKING          | 1/22/2023        | 168.75          | 02/02/2023        | 18231        | TRUCK TIME - FILL MATERIALS          |
|                                            |                            |                  | <b>168.75</b>   |                   |              |                                      |
| <b>SAFETY SUPPLY AMERICA, INC</b>          |                            |                  |                 |                   |              |                                      |
| 1,652                                      | SAFETY SUPPLY AMERICA, IN  | SA150061         | 122.80          | 01/19/2023        | 18193        | SAFETY SUPPLIES                      |
|                                            |                            |                  | <b>122.80</b>   |                   |              |                                      |
| <b>SANEL NAPA</b>                          |                            |                  |                 |                   |              |                                      |
| 451                                        | SANEL NAPA                 | 374801           | 110.29          | 02/02/2023        | 18232        | VEHICLE MAINT MATERIALS              |
|                                            |                            |                  | <b>110.29</b>   |                   |              |                                      |
| <b>SOUTHWORTH-MILTON, INC.</b>             |                            |                  |                 |                   |              |                                      |
| 1,364                                      | SOUTHWORTH-MILTON, INC     | INV2799314       | 135.96          | 01/19/2023        | 18189        | VEHICLE MAINT MATERIALS              |

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|-------------------------------|------------------------|------------------|------------------|-------------------|--------------|-------------------------------------|
| 1,364                         | SOUTHWORTH-MILTON, INC | SCINV692986      | 1,544.39         | 02/02/2023        | 18226        | GENERATOR REPAIRS                   |
|                               |                        |                  | <b>1,680.35</b>  |                   |              |                                     |
| <b>STILES COMPANY, INC</b>    |                        |                  |                  |                   |              |                                     |
| 1,390                         | STILES COMPANY, INC    | 303512           | 2,914.92         | 02/02/2023        | 18233        | PUMP STATION EQUIP                  |
|                               |                        |                  | <b>2,914.92</b>  |                   |              |                                     |
| <b>THEODORE E. HOWARD</b>     |                        |                  |                  |                   |              |                                     |
| 1,700                         | THEODORE E. HOWARD     | 02/02/2023       | 1,000.00         | 02/02/2023        | 18234        | WATERSHED PLAN - SCOPE DOC          |
|                               |                        |                  | <b>1,000.00</b>  |                   |              |                                     |
| <b>Ti Sales</b>               |                        |                  |                  |                   |              |                                     |
| 115                           | Ti Sales               | INV0152862       | 528.00           | 02/02/2023        | 18235        | SHOP SUPPLIES                       |
|                               |                        |                  | <b>528.00</b>    |                   |              |                                     |
| <b>TIAA, FSB</b>              |                        |                  |                  |                   |              |                                     |
| 1,210                         | TIAA, FSB              | 9368023          | 476.32           | 02/02/2023        | 18236        | OFFICE COPIER LEASE                 |
|                               |                        |                  | <b>476.32</b>    |                   |              |                                     |
| <b>Tom Chase &amp; Son</b>    |                        |                  |                  |                   |              |                                     |
| 275                           | Tom Chase & Son        | 01/20/2023       | 1,200.00         | 02/02/2023        | 18237        | TREE REMOVAL                        |
|                               |                        |                  | <b>1,200.00</b>  |                   |              |                                     |
| <b>UNITED RENTALS, INC</b>    |                        |                  |                  |                   |              |                                     |
| 1,655                         | UNITED RENTALS, INC    | 215118825-001    | 10,155.00        | 01/26/2023        | 18208        | CONEX BOX (RPO)                     |
| 1,655                         | UNITED RENTALS, INC    | 215241158-001    | 9,580.00         | 01/26/2023        | 18208        | CONEX BOXES (SHOP)                  |
|                               |                        |                  | <b>19,735.00</b> |                   |              |                                     |
| <b>VERIZON WIRELESS</b>       |                        |                  |                  |                   |              |                                     |
| 836                           | VERIZON WIRELESS       | 9925781252       | 619.21           | 02/02/2023        | 18238        | MONTHLY CELL PHONE & TABLET CHARGES |
| 836                           | VERIZON WIRELESS       | 9925781253       | 607.40           | 02/02/2023        | 18238        | MONTHLY ONE-TALK CHARGES            |
|                               |                        |                  | <b>1,226.61</b>  |                   |              |                                     |
| <b>VERRILL</b>                |                        |                  |                  |                   |              |                                     |
| 128                           | VERRILL                | 613953           | 1,229.00         | 01/26/2023        | 18209        | MISC LEGAL COUNCIL                  |
| 128                           | VERRILL                | 613956           | 2,498.50         | 01/26/2023        | 18209        | LEGAL COUNCIL - LAND DISPUTE        |
|                               |                        |                  | <b>3,727.50</b>  |                   |              |                                     |
| <b>W.B.MASON, INC.</b>        |                        |                  |                  |                   |              |                                     |
| 532                           | W.B.MASON, INC.        | 235404036        | 131.17           | 01/19/2023        | 18194        | CONSUMABLES - OFFICE                |
| 532                           | W.B.MASON, INC.        | 235539478        | 18.48            | 01/26/2023        | 18210        | OFFICE CONSUMABLES                  |
| 532                           | W.B.MASON, INC.        | 235866621        | 152.71           | 02/02/2023        | 18239        | OFFICE CONSUMABLES                  |
|                               |                        |                  | <b>302.36</b>    |                   |              |                                     |
| <b>W.W. Grainger CO. Inc.</b> |                        |                  |                  |                   |              |                                     |
| 65                            | W.W. Grainger CO. Inc. | 9563524314       | 212.22           | 01/26/2023        | 18211        | SHOP SUPPLIES                       |
| 65                            | W.W. Grainger CO. Inc. | 9564563576       | 44.06            | 01/26/2023        | 18211        | PLANT SUPPLIES                      |
| 65                            | W.W. Grainger CO. Inc. | 9569427868       | 27.24            | 01/26/2023        | 18211        | OFFICE CONSUMABLES                  |
| 65                            | W.W. Grainger CO. Inc. | 9575691713       | 335.44           | 02/02/2023        | 18240        | SAFETY SUPPLIES                     |
| 65                            | W.W. Grainger CO. Inc. | 9583780110       | 34.34            | 02/02/2023        | 18240        | SAFETY SUPPLIES                     |
|                               |                        |                  | <b>653.30</b>    |                   |              |                                     |

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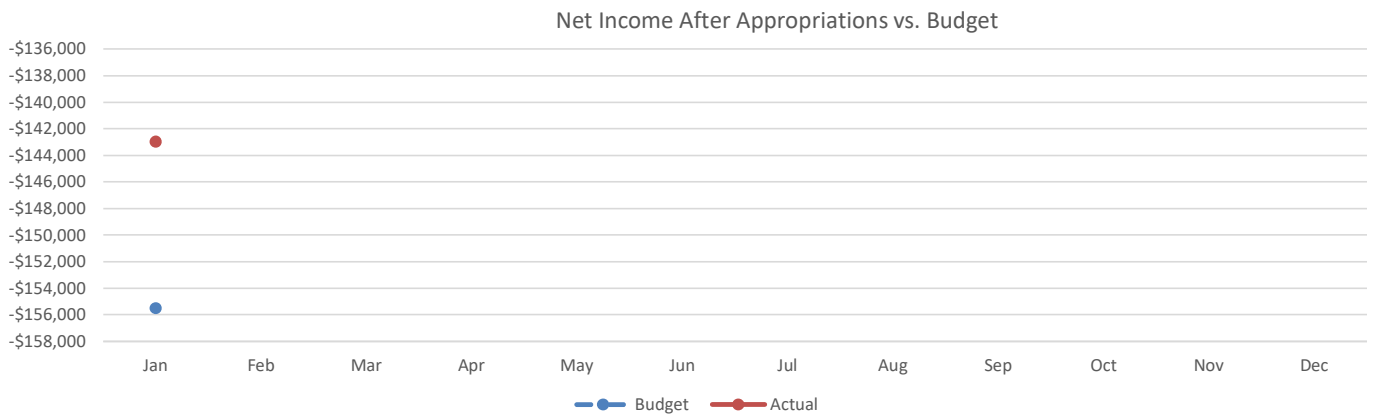
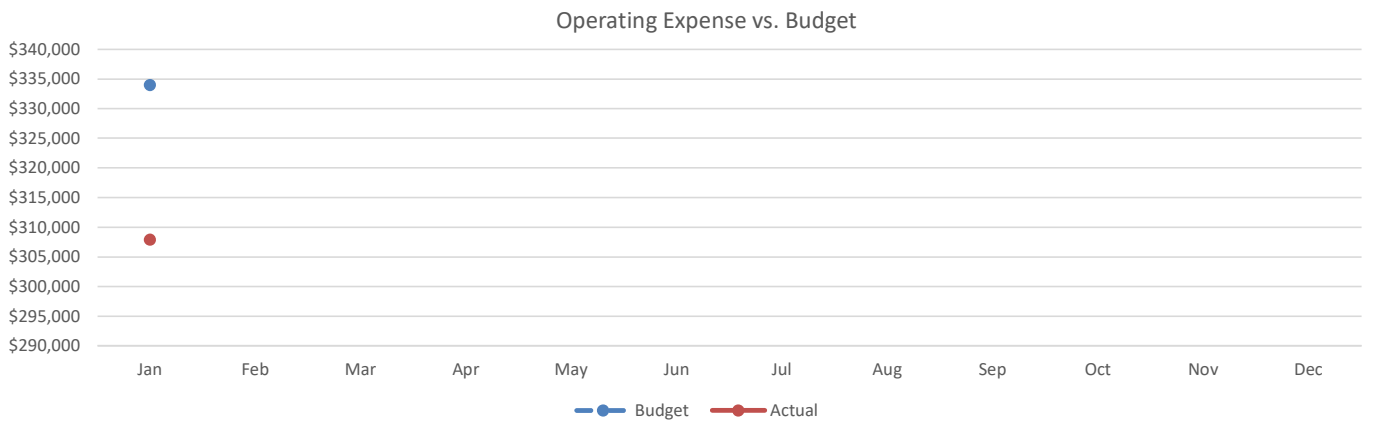
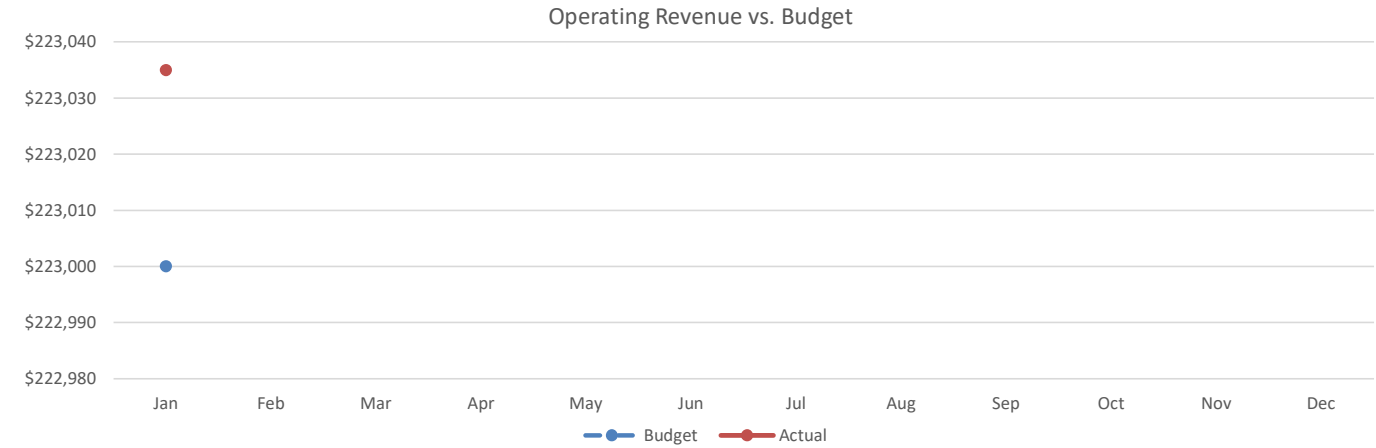
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|------------------------------------------------------|--------------------------------|------------------|-----------------|-------------------|--------------|-------------------------------|
| <b>WARREN'S OFFICE SUPPLIES</b>                      |                                |                  |                 |                   |              |                               |
| 1,391                                                | WARREN'S OFFICE SUPPLIES       | 514248           | 36.53           | 01/12/2023        | 18170        | OFFICE CONSUMABLES            |
|                                                      |                                |                  | <b>36.53</b>    |                   |              |                               |
| <b>WEX BANK</b>                                      |                                |                  |                 |                   |              |                               |
| 1,415                                                | WEX BANK                       | 87046075         | 1,308.25        | 02/02/2023        | 18242        | MONTHLY FLEET GAS CHARGES     |
|                                                      |                                |                  | <b>1,308.25</b> |                   |              |                               |
| <b>WIN WASTE INNOVATIONS OF NORTHERN NEW ENGLAND</b> |                                |                  |                 |                   |              |                               |
| 1,666                                                | WIN WASTE INNOVATIONS (        | 23-0000215186    | 320.72          | 01/12/2023        | 18171        | DUMPSTER SERVICE              |
|                                                      |                                |                  | <b>320.72</b>   |                   |              |                               |
| <b>Wright-Pierce</b>                                 |                                |                  |                 |                   |              |                               |
| 137                                                  | Wright-Pierce                  | 225524           | 2,862.22        | 01/12/2023        | 18172        | ENGINEERING - WATER AGE STUDY |
|                                                      |                                |                  | <b>2,862.22</b> |                   |              |                               |
| <b>York Water District Petty Cash</b>                |                                |                  |                 |                   |              |                               |
| 189                                                  | York Water District Petty Cash | 01/11/2023       | 42.17           | 01/26/2023        | 18212        | WELLNESS REIMBURSEMENT        |
| 189                                                  | York Water District Petty Cash | 01/12/2023       | 254.57          | 01/12/2023        | 18173        | REFILL PETTY CASH             |
| 189                                                  | York Water District Petty Cash | 01/22/2023       | 184.61          | 01/26/2023        | 18212        | INTERN BOOT REIMBURSEMENT     |
|                                                      |                                |                  | <b>481.35</b>   |                   |              |                               |

WARRANT TOTAL: **173,330.92**

**York Water District**  
**Monthly Operating Revenue, Expense & Net Income**



**Bank Statement Balances**

As of February 7, 2023

| <u>Account</u>             | <u>Balance</u> | <u>Account</u>           | <u>Balance</u> |
|----------------------------|----------------|--------------------------|----------------|
| Operating                  | \$2,310,629.58 | Watershed                | \$242,325.12   |
| System Development         | \$103,789.74   | Customer Advance         | \$188,564.12   |
| Reserved for Tank Painting | \$ 993,667.00  |                          |                |
| Operating Reserve          | \$1,420,752.32 | % of Recommended Reserve | 116%           |

**York Water District**  
**Income Statement**  
For the Month Ending January 31, 2023

**Operating Revenue**

▲ **\$35**

**Operating Expense**

▼ **(\$26,098)**

**Net Income/(Loss)**

▲ **\$12,534**

|                                        | <u>Actual</u>       | <u>Budget</u>       | <u>Variance</u>  | <u>Total Budget</u> | <u>Variance vs.</u><br><u>Tot. Budget</u> |
|----------------------------------------|---------------------|---------------------|------------------|---------------------|-------------------------------------------|
| Residential Metered Sales              | \$ 112,050          | \$ 113,000          | \$ (950)         | \$ 2,537,000        | 0%                                        |
| Commercial Metered Sales               | 16,084              | 16,000              | 84               | 506,000             | 0%                                        |
| Governmental Metered Sales             | 375                 | -                   | 375              | 89,000              | 0%                                        |
| Public & Private Fire Protection       | 93,736              | 93,000              | 736              | 1,249,000           | 0%                                        |
| Other Operating Revenue                | 790                 | 1,000               | (210)            | 18,000              | -1%                                       |
| <b>Total Operating Revenue</b>         | <b>223,035</b>      | <b>223,000</b>      | <b>35</b>        | <b>4,399,000</b>    | <b>0%</b>                                 |
| Salaries & Wages                       | 123,547             | 145,000             | (21,453)         | 1,751,000           | -1%                                       |
| Employee Benefits                      | 63,594              | 71,000              | (7,406)          | 771,000             | -1%                                       |
| Purchased Power & Water                | 4,990               | 6,000               | (1,010)          | 82,000              | -1%                                       |
| Chemicals                              | -                   | 9,000               | (9,000)          | 108,000             | -8%                                       |
| Materials & Supplies                   | 39,813              | 31,000              | 8,813            | 309,000             | 3%                                        |
| Contracted Services                    | 38,091              | 35,000              | 3,091            | 472,000             | 1%                                        |
| Transportation Expense                 | 5,246               | 4,000               | 1,246            | 52,000              | 2%                                        |
| Insurance                              | 21,722              | 22,000              | (278)            | 50,000              | -1%                                       |
| Other Miscellaneous Expenses           | 10,899              | 11,000              | (101)            | 98,000              | 0%                                        |
| <b>Total Operating Expense</b>         | <b>307,902</b>      | <b>334,000</b>      | <b>(26,098)</b>  | <b>3,693,000</b>    | <b>-1%</b>                                |
| Depreciation & Amortization Expense    | 70,615              | 71,000              | (385)            | 804,000             | 0%                                        |
| Net Non-Operating Income               | 10,879              | 25,000              | (14,121)         | 487,000             | -3%                                       |
| Debt Service                           | 8,197               | 8,000               | 197              | 495,000             | 0%                                        |
| Tank Painting Contribution             | 9,666               | 10,000              | (334)            | 116,000             | 0%                                        |
| Depreciation Funds Allocated to O&M    | (19,500)            | (19,500)            | -                | (234,000)           | 0%                                        |
| <b>Net Income After Appropriations</b> | <b>\$ (142,966)</b> | <b>\$ (155,500)</b> | <b>\$ 12,534</b> | <b>\$ 12,000</b>    |                                           |

Two open positions in January.

No chemical purchases in January.

## YORK WATER DISTRICT

### 2023 WATER BOND AND NOTE RESOLUTION

RESOLVED by the Trustees of the York Water District as follows:

- Section 1: Subject to the approval of the Maine Public Utilities Commission and pursuant to Chapter 122 of Private and Special Laws of 1967, as amended, the District is hereby authorized to issue and sell interest-bearing water bonds or notes of the District up to the aggregate principal amount of Seven Hundred Thousand Dollars (\$700,000) (the “Bonds”), for the purpose of providing funds to finance, or to reimburse the District for funds previously expended on, the water main replacement projects at Lindsay Road and Moulton Lane, including materials, construction work, survey, legal, and engineering costs (the “Project”).
- Section 2: The District is hereby further authorized to enter into a Loan Agreement (the “Loan Agreement”) with the Maine Municipal Bond Bank (the “Bond Bank”) and sell the Bonds to the Bond Bank pursuant to the terms thereof.
- Section 3: The Bonds shall bear such date or dates as the Bond Bank shall request, bear such interest rate or rates, be in such denominations, maturities, and be redeemable at such price or prices, all as shall be set forth in the Loan Agreement and the Bonds, and otherwise on such terms as may hereafter be approved by the Treasurer and the President of the Board of Trustees, the execution of the Loan Agreement and the Bonds to be conclusive evidence of their approval of the terms and provisions thereof.
- Section 4: Each of the Bonds shall bear on its face the words “York Water District,” and shall be signed by the Treasurer and shall be countersigned by the manual or facsimile signature of the President of the Board of Trustees and shall be in substantially the same form as prescribed in the Loan Agreement or otherwise as prescribed by the Bond Bank.
- Section 5: The District hereby authorizes its Treasurer to designate the Bonds as qualified tax-exempt obligations pursuant to Section 265(b)(3) of the Internal Revenue Code, as amended, to the extent the Bonds are issued as tax exempt obligations.
- Section 6: The District hereby covenants, to the extent the Bonds are issued as tax exempt obligations, to take all lawful action necessary to comply with those provisions of the Internal Revenue Code of 1986, as amended, that, except for such compliance, would affect adversely the excludability of interest on the Bonds for federal income tax purposes, and to refrain from taking any action that

would cause the interest on the Bonds to become includable in such gross income.

Section 7: The District covenants, subject to the approval of the Maine Public Utilities Commission, to establish, maintain, apportion, revise and collect assessments for water and water services furnished by the District sufficient to provide revenues to pay when due current expenses of operating and maintaining the water system; to pay when due interest on the outstanding indebtedness of the District; and to pay or provide for the payment of all indebtedness created or assumed by the District.

Section 8: All actions taken to date by the Board of Trustees and the officers of the District with respect to the authorization and sale of the Bonds, including the filing of a loan application with the Bond Bank, are hereby ratified, confirmed, approved and adopted. The President of the Board of Trustees, Treasurer, Superintendent and other officers of the District are, and each of them singly is, hereby authorized to execute and deliver the Loan Agreement, a Signature and No Litigation Certificate, an Arbitrage and Use of Proceeds Certificate, Form 8038-G, and such other additional documents, certificates and instruments, and to take such further action, as may be deemed necessary or convenient to effectuate the issuance of the Bonds hereby authorized, the execution and delivery thereof by any one of them to be conclusive evidence that such documents, certificates, instruments or actions were deemed necessary or convenient.

Section 9: Any prior resolutions of the District restricting the amount of authorized loans or issuance of notes with respect to the Project are hereby superseded.

## YORK WATER DISTRICT

POLICY: Retire Rehire Policy

DATE ISSUED:

BOARD APPROVED:

REVISION DATE:

### POLICY

An Employee who reaches full retirement eligibility defined by Maine PERS, or full retirement age of Social Security if not a member of MainePERS, may be eligible to enter into a retire in place plan.

### ELIGIBILITY

A retired applicant's past work performance, personnel record, and the needs of the District will be considered in the re-hiring process.

### PROCEDURE

The employee must tender their retirement notice with an official retirement date and the request to be re-hired under this program to their direct supervisor who will then notify the Superintendent of the employee's request.

Upon entry into the plan, eligible members in good standing and who meet the requirements of the plan can enter into a one-year agreement with the District that may be renewed annually at the District's discretion. Employees who participate in this plan will be reviewed bi-annually by their Supervisor as current practice, and potential final approval for renewal of this plan from the Superintendent.

Upon initial separation, the employee must complete a bona fide termination and must cash out all allowed accrued time, per policy, as they would in the normal course of retirement. Upon rehire, the employee will retain their original anniversary date for the purpose of earned time and sick time accruals and potential pay increases. Earned time and sick time accruals will begin at zero and will accrue and cap at the normal rate. Employees under this plan will be subject to a use or lose policy and will not be paid out for any unused time at the time of final separation.

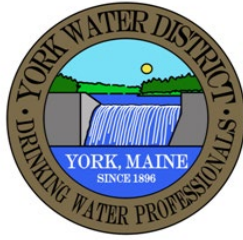
Employees enrolled in this plan will continue to be eligible for all health benefits provided by the District. The District will not contribute to a retirement plan on behalf of the applicant other than social security.

For those enrolled in this plan who are also MainePERS members are subject to a retire/rehire fee. The District will pay this fee for the employee up to a maximum of 5%.

All other provisions of employment will continue to be applicable.

### **Trustees**

Richard Leigh, President  
Russell A. Peterson, Treasurer  
Karen Arsenault, Clerk  
Richard E. Boston, Trustee  
Stephen C. Rendall Jr, Trustee



### **Administration**

Donald D. Neumann Jr., Superintendent  
Gary E. Stevens, Asst. Superintendent  
Patrick M. Desrosiers, Financial Manager  
Ryan Lynch, Treatment Plant Manager

86 Woodbridge Road  
York, Maine 03909  
Telephone: (207) 363-2265  
Fax: (207) 363-7338  
[www.yorkwaterdistrict.org](http://www.yorkwaterdistrict.org)

POLICY: Early Retirement Payout Policy  
Approved Cycle: 03/01/23 – 03/29/24  
BOARD APPROVED: February xx, 2023  
SUPERSEDES ANY PREVIOUS POLICY  
REVISION DATE: January 30, 2023

### Purpose

To establish guidelines for an Early Retirement Payout Policy developed as a succession planning tool that will assist in reducing the cost of benefits and payroll.

### Scope

This policy applies to all eligible employees of the District with at least 25 years of service and only while the policy is in effect. And only after approval by the Board of Trustees.

### Policy

In an effort to provide an incentive to employees with long-term service to the District, eligible employees with at least twenty-five (25) years of service shall receive, upon retiring, a one-time lump sum payment of \$14,000. An eligible employee must retire or separate from fulltime employment between the Effective Date and Expiration Date below. Payment would be made at the time of retirement along with reconciliation of any sick or earned time as per the most current Employees Handbook.

Effective Date; 03/01/23

Expiration Date; 03/29/24

This policy does not apply to employees who retired or separated from employment before the implementation of this policy or to employees who were forcibly terminated. This policy may be implemented only when warranted. It shall not be construed as an automatic or earned benefit. This incentive is being offered as a cost savings measure and requires Board of Trustee approval. The Board of Trustees have the right to terminate or discontinue this policy at any time.

### Complaint Procedure

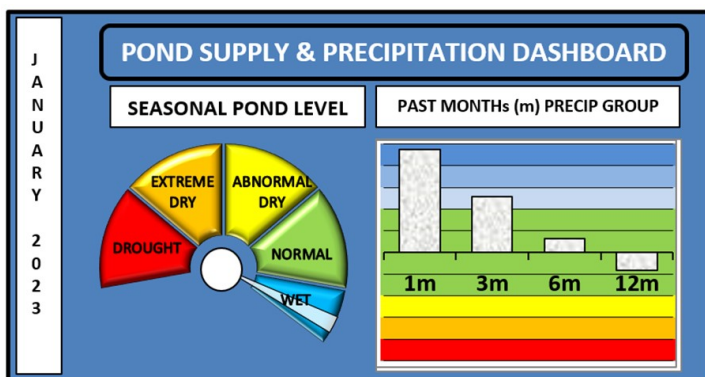
Any concerns about this procedure should be directed to the Superintendent.

| YEAR | System Total^(MG) | Water Transfers* | Pond Level-Feet (Assessment) | Precipitation (Assessment) |
|------|-------------------|------------------|------------------------------|----------------------------|
| 2022 | 17.5              | +0.5 KKW         | +0.29 (Extremely Wet)        | 7.6" (Extremely Wet)       |
| 2021 | 21.1              | +0.1 KKW         | +0.06 (High Normal)          | 3.1" (High Normal)         |
| 2020 | 15.9              | +2.0 KKW         | +0.20 (Moderately Wet)       | 1.7" (Low Normal)          |
| 2019 | 18.2              | -                | +0.20 (Moderately Wet)       | 2.8" (Normal)              |

\* Water Transfers= District & amount (in MG) transferred at interconnection. ^ Total system Demand excluding transfer.

## TREATMENT REPORT

By: Ryan Lynch



This past month, we received more than 7.6 inches of precipitation (as water) which is way above the average of 2.8. This is nearly a new record for January in the past 30 years. The pond is running over significantly, so it is also considered a very wet month in terms of seasonal pond level. The weather outlook for the next two months says there is a high likelihood for normal precipitation.

We are still waiting on some contractors to complete projects. The finish pump replacement contractor keeps pushing the date due to parts from the manufacturer, but they assure us that it will happen in February. Electrical Installations, Inc. (EII) is still working on the new SCADA computer updates. This project was to be completed the day of the big storm and power outage. Due to lost power and internet that project was also pushed another several weeks. Operators chased power outages and running generators during the storm and corresponding outage.

### Inside this issue:

|                     |     |
|---------------------|-----|
| Treatment           | 1-2 |
| Metering            | 2   |
| GIS                 | 2-3 |
| Resource Protection | 3-4 |
| Distribution        | 4-5 |
| Wellness            | 5   |
| Billing             | 5   |

The annual inspections of our three chain hoists and working slings and straps was performed this month. American Security also performed our annual security system inspections at all sites and installed a second needed keypad at the screen house and a new door contact at Simpson Hill Tank outbuilding. Operators are working on 2022 production and transfer reports, policy reviews and discussion, and have started ordering and requesting purchase orders to start 2023 capital projects.

The storm this month created even poorer water quality in the pond and operators are working on improvement to the treatment process. The rain gage on our long reliable weather station finally failed this month. Fortunately, we have budgeted to change it out and already have a new one on order.

Operators replaced one of the existing air releases in the treatment process backwash water

line with a new, more sensitive type. The existing ones have never worked well, allowing more water than is necessary to escape almost continuously when letting air release from the piping. We had the existing ones rebuilt a few years ago, but they still do not perform well. Further investigation and discussion with experts suggested another type was more appropriate for our application. The new type uses a membrane to allow air to escape while the old ones use a ball. Providing it works as expected, we will be changing out the other two in the future.



**New (left) and old (right) air release.**

## METERING REPORT

By: Tom Chase

In January, we read the harbor meter routes and the commercial book. We also read all of the Kamstrup meters that we have installed as part of a pilot program. As we expected, these meters appear to be working well. David finished testing the summer line meters a month ahead of schedule when compared to previous years. David was also able to complete all necessary post-blasting well samples from the Spring Street and Valley Road water main extension projects.

A representative from our audit firm visited on 1/5/23 to evaluate our inventory records. First, he preselects items from our prepared list of al-

most 860 inventory items and goes around to verify that our documentation and the physical amount of each item on the shelf matches. He makes some additional random item selections while counting to verify as well to ensure that selections will be representative of our inventory as a whole. Over the past few years, we have modified the structure of our inventory list to help make this process a little smoother. This included assigning a location number for each item to help minimize the time spent looking for any particular selection (so he can check all selections in 'Location 1' before moving to the remaining three, thus avoiding wasted time by going back and forth). I am pleased to say that it went very smoothly, and there were no discrepancies found.

I began gathering figures to start working on our 'unaccounted-for' water totals for the year. These figures include the amount of water used for annual flushing, new main and water quality related flushing, service leaks, main leaks and hydrants used for fire and training. I am still waiting for a few additional figures, but we should have the calculations completed in February.



**Summer line meter testing.**

## GIS REPORT

By: Todd Hill

With the Moulton Lane and Lindsay Road main replacement projects only four months away,

project area maps and abutters notification list for both projects were created in ArcGIS desktop. This information is used to notify the property owners with helpful information pertaining to both projects.

With the Moulton Lane sign package map finalized, we will be ready to start making signs.

Thankfully, we can reuse some of the signs we had for the Axholme Road project, we will have to just update some of the words. The Lindsay Road project is a different story since it involves the York Hospital. To help the York Hospital with their custom signs, I plotted a large street map with the York Hospital in the middle and Hospital staff worked on signs and locations. The hospital is looking to add nine more signs and two digital signs to help reroute staff, visitors, and emergency services to the hospital with no delays during construction. We met with two representatives from the hospital to go over their signs, talk about placement and using the hospitals logo.

Hyperlinking pictures has been an ongoing process of GIS. This allows me to take a picture and link it to a feature in ArcGIS. This feature could be anything like a service location, hydrant, or gate. The process is pretty straight forward but you have to set things up to allow the link to work from the map to the location of the picture. I have also been working slowly on phasing out ArcGIS desktop and doing more of the District's GIS work using ArcGIS Pro. ArcGIS desktop is still heavily used but in the near future it will not be support by ESRI, so because of that, I'm trying to use it less.

Other projects performed in February include:

- Finished setting up the new desks and tower in the GIS office.
- Completed a water main extension estimate for 15 Blueberry Lane.
- Worked with Ryan and Don on updating the electronic use policy.
- Helped shovel fire hydrants.
- Attended an easement class online

- Reviewed and commented on Nubble Road main replacement project plan.
- Worked on ArcGIS field maps application and the Survey123 application.

## RESOURCE PROTECTION REPORT

By: Joe Dignam

The Resource Protection Office (RPO) saw more upgrades in the month of January in the form of increased storage capacity. We purchased a steel storage container that was placed behind the office. The District now has several of these storage containers and they have been a fantastic resource to increase our space needs. The new steel storage container, or "Conex Box", will be outfitted with industrial grade shelving, lights, and power. This will allow us to open up space in both the RPO garage and the 200 Mountain Road storage garage.

After months of preparations, our York High School (YHS) intern has started his semester with us. James Jacobsohn, a senior at YHS will be spending two mornings each week working and learning with various District employees. He will be exposed to all departments and several aspects of the job. So far, James has completed safety orientation and management level overview, billing, HR, administration, and customer service standards. We are thrilled to have him with us this winter. In late March, James will transfer to the York Sewer District for a similar experience.

This month the RPO staff and Don met with members of the York Police Department (YPD) to discuss patrolling and reserve officer training. The timing is right to begin conversations with our YPD partners about the future of the watershed patrol program and our plan to continue it through the implementation of our succession plan. In addition to the Resource Protection Patrol Officer, we have two additional employees and one in training to complete watershed patrols, less the law enforcement certification. Much of the patrolling in the watershed and Mt.

Agamenticus region is funded through Maine State ATV law enforcement grants. The YPD applies annually for these grants which fund time and equipment related to patrols in hard to reach off road areas throughout the state. We have again solicited letters of support for the grant program from various regional supporters. We have been very fortunate over the years to continually be awarded the grants and have become a model for ATV law enforcement statewide.

**We have noticed an increase in reckless ATV operation in the watershed.**



In the past year or so, during patrols and regular operations, we have noticed an increase in reckless, illegal, and undesirable ATV operation in both York and Kittery watershed properties. Some of the activities observed in the past several months have been operating under the influence and at high rates of speed, fishtailing, donuts/spinning, and off trail riding. These prohibited activities create a great safety hazard for not only the riders, but other recreational users that may be in the area. In addition to the safety risk, these actions cause increased soil erosion, potential for water quality deterioration, and damage to District infrastructure. This all came to a head this month when a permitted ATV rider caused damage to management roads and trails in multiple locations during a late night ride. In response to this, the rider's ATV permit was pulled for one year, and a message was sent to all ATV permit holders. Since that message was sent, many permitted riders have reached out in support of our efforts and have agreed to be ad-

vocates for our program and report any misconduct.

This winter has been largely snow free this year, until a series of storms hit the seacoast area late this month. The storms combined snow, rain, and freezing rain to make the perfect combination of ice that sticks to trees and power lines. Several trees fell all across town, but the hardest hit area was Cape Neddick around Mt. Agamenticus. Our watershed trails and management roads were impassable following the storm. The distribution crew spent two days working on clearing trees and branches from the trails just to make them passable again. There will be significant cleanup efforts in the watershed this summer when the snow is gone. The Resource Protection Office and Mt. Agamenticus tower site were without power for several days while crews repaired the poles and power lines in the area.



**Tree down on Red Management Road.**

## **DISTRIBUTION REPORT**

By: Webster Ropke

York Water District crews have been performing our weekly winter hydrant checks. We have had one snowstorm this month that we had to plow and shovel. Due to the mild winter the ground was very soft. Our crews were very careful when plowing not to dig up the turf. We only plowed the bankings and shoveled around the hydrants. We excavated a service on Seamist

Drive due to the old steel rod breaking. The one-inch valve was a draining valve. We replaced it with a non-draining ball valve and a new stainless-steel rod.

We received a forty-foot Conex box this month. It is placed beside our garage in the back at Woodbridge Road. We were in need for some storage. Our ductile iron mechanical joint fittings will be stored in it along with some other items. This will give us some much-needed space in the back garage to store equipment.



**The District has recently purchased new Conex boxes for storage.**

We have been working with a developer and Wright-Pierce, our engineer, to build the pump station for the Gulf Hill development. Currently, the foundation has been poured and backfilled. The twelve-inch suction and eight-inch discharge pipes have been installed. They will be working on the building next.

Thus far, Mannino Construction has installed 2,000 feet of twelve-inch and 700 feet of eight-inch ductile iron pipe in the Woodstone Development at York Village. They have also installed four hydrants. The twelve-inch and three hydrants have now been put into service. The eight-inch and one hydrant are waiting on bacteria results to be put into service. The twelve-inch is tied into the existing twelve-inch on York Street and will tie into the eight-inch on Raydon Road to complete a loop.

## WELLNESS REPORT

By: Karen Hale

### Driving Safety Kit for Winter

With the unpredictable winter weather we can experience here in Maine, it is important to keep some essential emergency supplies in your car to help keep you safe.

- Gloves and extra winter clothing.
- An extra blanket or two.
- A small or collapsible shovel.
- Sand, kitty litter, or rock salt.
- Flashlights.
- Jumper Cables.
- Non-perishable snacks and water.
- Cell phone charger.
- Extra windshield washer fluid.
- Ice scraper and snow brush.
- Emergency flares or reflectors.

## JANUARY BILLING

York Harbor Route

| 2023         | Usage(cf) | Revenue   | Customers |
|--------------|-----------|-----------|-----------|
| Residential  | 1,146,700 | \$112,050 | 966       |
| Commercial   | 436,500   | \$16,084  | 57        |
| Governmental | 500       | \$375     | 3         |

| 2022         | Usage(cf) | Revenue   | Customers |
|--------------|-----------|-----------|-----------|
| Residential  | 1,139,900 | \$111,562 | 953       |
| Commercial   | 450,300   | \$16,010  | 57        |
| Governmental | 600       | \$375     | 3         |



**Snow covered pipe at Woodstone.**

# WATER QUALITY REPORT

REPORT DATE: 2/2/2023

## AVERAGE PLANT FINISH WATER QUALITY RESULTS (Last 30 Days Before Report Date- Above)

| Avg Daily Gals Pumped | Avg TEMP | Avg Turb | Avg pH | AvgFreeCl2 | Avg TtCl2 | Avg Ortho | Current Lvl | Avg Pond Lvl | Min Pond Lvl | Max Pond Lvl |
|-----------------------|----------|----------|--------|------------|-----------|-----------|-------------|--------------|--------------|--------------|
| 562,043               | 50       | 0.08     | 9.05   | 0.12       | 2.13      | 1.54      | 0.25        | 0.35         | 0.10         | 0.75         |

## PLANT FINISH WATER QUALITY RESULTS

| TEST DATE                           | Temp F    | Turbidity      | pH          | Free Cl2        | Total Cl2      | Ortho           | Alkalinity    | Color        | Manganese       | Iron            | Aluminum        |
|-------------------------------------|-----------|----------------|-------------|-----------------|----------------|-----------------|---------------|--------------|-----------------|-----------------|-----------------|
| 1/30/2023                           | 38        | 0.08           | 9.04        | 0.04            | 2.10           | 1.53            | 17            | 2            | 0.045           | 0.08            | 0.047           |
| 1/25/2023                           | 38        | 0.07           | 9.08        | 0.05            | 2.00           | 1.48            | 16            | 0            | 0.043           | 0.00            | 0.058           |
| 1/18/2023                           | 39        | 0.07           | 9.00        | 0.07            | 2.20           | 1.50            | 16            | 4            | 0.027           | 0.00            | 0.056           |
| 1/11/2023                           | 39        | 0.08           | 9.01        | 0.07            | 2.20           | 1.49            | 17            | 2            | 0.023           | 0.00            | 0.054           |
| 1/4/2023                            | 38        | 0.10           | 9.04        | 0.10            | 2.00           | 1.53            | 16            | 1            | 0.031           | 0.03            | 0.065           |
| <b>AVERAGE RESULTS:</b>             | <b>38</b> | <b>0.08</b>    | <b>9.03</b> | <b>0.07</b>     | <b>2.10</b>    | <b>1.51</b>     | <b>16</b>     | <b>2</b>     | <b>0.034</b>    | <b>0.02</b>     | <b>0.056</b>    |
| <b>TREATMENT TARGET PARAMETERS:</b> |           | <b>&lt;0.3</b> | <b>9.0</b>  | <b>&lt;0.10</b> | <b>2.0-2.5</b> | <b>&gt;=1.5</b> | <b>&gt;10</b> | <b>&lt;5</b> | <b>&lt;0.05</b> | <b>&lt;0.05</b> | <b>&lt;0.05</b> |

## ROUTINE DISTRIBUTION WATER QUALITY RESULTS

| Sample Site                   | Date      | Turbidity | pH   | Free Cl2 | Total Cl2 | Ortho | Alkalinity | Color | Manganese | Iron  | Aluminum |
|-------------------------------|-----------|-----------|------|----------|-----------|-------|------------|-------|-----------|-------|----------|
| Route 1 at Pine Ledge Motel S | 1/30/2023 | 0.10      | 7.88 | 0.06     | 2.80      | 1.25  | 14         | 2     | 0.003     | 0.050 | 0.014    |
| Route 1 at Pine Ledge Motel S | 1/25/2023 | 0.11      | 8.69 | 0.07     | 2.80      | 1.20  | 16         | 0     | 0.001     | 0.060 | 0.005    |
| Route 1 at Pine Ledge Motel S | 1/18/2023 | 0.09      | 8.52 | 0.06     | 2.60      | 1.35  | 15         | 2     | 0.005     | 0.060 | 0.056    |
| Route 1 at Pine Ledge Motel S | 1/11/2023 | 0.13      | 8.36 | 0.08     | 2.60      | 1.35  | 15         | 2     | 0.001     | 0.050 | 0.051    |
| Route 1 at Pine Ledge Motel S | 1/4/2023  | 0.06      | 8.27 | 0.36     | 2.60      | 1.14  | 15         | 1     | 0.004     | 0.030 | 0.053    |
| Route 1 North Pump Station    | 1/30/2023 | 0.10      | 8.53 | 0.06     | 2.70      | 1.25  | 18         | 3     | 0.005     | 0.030 | 0.038    |
| Route 1 North Pump Station    | 1/25/2023 | 0.11      | 8.73 | 0.07     | 2.20      | 1.19  | 19         | 1     | 0.040     | 0.070 | 0.007    |
| Route 1 North Pump Station    | 1/18/2023 | 0.15      | 8.58 | 0.05     | 2.40      | 1.27  | 16         | 2     | 0.003     | 0.040 | 0.036    |
| Route 1 North Pump Station    | 1/11/2023 | 0.10      | 8.63 | 0.05     | 2.10      | 1.32  | 16         | 2     | 0.005     | 0.050 | 0.038    |
| Route 1 North Pump Station    | 1/4/2023  | 0.08      | 8.27 | 0.06     | 2.00      | 1.15  | 19         | 2     | 0.008     | 0.050 | 0.060    |
| Route 1 South Pump Station    | 1/30/2023 | 0.09      | 8.89 | 0.05     | 1.80      | 1.58  | 17         | 2     | 0.093     | 0.060 | 0.065    |
| Route 1 South Pump Station    | 1/25/2023 | 0.10      | 9.08 | 0.07     | 1.90      | 1.50  | 16         | 1     | 0.070     | 0.060 | 0.000    |

|                            |           |      |         |       |       |       |     |    |       |       |       |
|----------------------------|-----------|------|---------|-------|-------|-------|-----|----|-------|-------|-------|
| Route 1 South Pump Station | 1/18/2023 | 0.13 | 8.95    | 0.07  | 1.90  | 1.59  | 16  | 3  | 0.011 | 0.050 | 0.053 |
| Route 1 South Pump Station | 1/11/2023 | 0.10 | 8.88    | 0.09  | 1.90  | 1.56  | 16  | 2  | 0.015 | 0.060 | 0.030 |
| Route 1 South Pump Station | 1/4/2023  | 0.07 | 8.89    | 0.05  | 1.80  | 1.62  | 16  | 2  | 0.015 | 0.050 | 0.025 |
| York Water District Office | 1/30/2023 | 0.12 | 8.81    | 0.04  | 1.80  | 1.56  | 16  | 2  | 0.088 | 0.050 | 0.052 |
| York Water District Office | 1/25/2023 | 0.09 | 8.95    | 0.07  | 1.90  | 1.59  | 16  | 1  | 0.028 | 0.020 | 0.000 |
| York Water District Office | 1/18/2023 | 0.11 | 9.01    | 0.19  | 1.70  | 1.60  | 16  | 3  | 0.014 | 0.060 | 0.041 |
| York Water District Office | 1/11/2023 | 0.09 | 8.51    | 0.05  | 1.80  | 1.60  | 15  | 3  | 0.014 | 0.030 | 0.037 |
| York Water District Office | 1/4/2023  | 0.06 | 8.43    | 0.06  | 1.70  | 1.66  | 15  | 0  | 0.013 | 0.040 | 0.045 |
| AVERAGE RESULTS:           |           | 0.10 | 8.64    | 0.08  | 2.15  | 1.42  | 16  | 2  | 0.022 | 0.049 | 0.035 |
| TARGET MIN/MAX PARAMETERS: |           | <0.3 | 8.0-9.2 | <0.10 | >>1.0 | >=1.0 | >10 | <5 | <0.10 | <0.10 | <0.10 |

| ROUTINE BACTERIA MONITORING PERFORMED (None if Empty) |           |           |      |          |           |       |            |      |                |  |
|-------------------------------------------------------|-----------|-----------|------|----------|-----------|-------|------------|------|----------------|--|
| Sample Site                                           | Date      | Turbidity | pH   | Free Cl2 | Total Cl2 | Ortho | Alkalinity | Temp | Total Coliform |  |
| South Side Road Near Blaisdell Farm                   | 1/9/2023  | 0.10      | 8.92 | 0.04     | 1.60      | 1.60  | 17         | 7.4  | ABSENT         |  |
| Route 1 @ River Bend Road                             | 1/9/2023  | 0.07      | 8.82 | 0.05     | 2.10      | 1.54  | 16         | 7.3  | ABSENT         |  |
| Seabury Road Near Route 103                           | 1/9/2023  | 0.12      | 9.29 | 0.05     | 1.40      | 1.69  | 19         | 7.1  | ABSENT         |  |
| Ridge Road Across from Coastal Ridge Elemen           | 1/9/2023  | 0.08      | 8.98 | 0.09     | 2.10      | 1.58  | 18         | 6.1  | ABSENT         |  |
| Webber Road Near Ridge Road (73 Webber)               | 1/9/2023  | 0.08      | 8.93 | 0.06     | 2.00      | 1.54  | 17         | 5.6  | ABSENT         |  |
| Route 1 @ Mr. Mikes Convenience Store                 | 1/9/2023  | 0.09      | 8.99 | 0.01     | 2.20      | 1.55  | 17         | 4.7  | ABSENT         |  |
| Route 1 @ Old Post Road (Tranmission Line)            | 1/9/2023  | 0.11      | 8.90 | 0.21     | 2.20      | 1.53  | 16         | 3.3  | ABSENT         |  |
| Route 1A @ Roaring Rock Road                          | 1/9/2023  | 0.08      | 9.02 | 0.06     | 2.00      | 1.56  | 17         | 7.3  | ABSENT         |  |
| Route 1A @ York Senior Center formerly YPD            | 1/24/2023 | 0.09      | 9.03 | 0.03     | 1.40      | 1.59  | 16         | 5.0  | ABSENT         |  |
| Long Beach Ave Across From Long Beach Bath            | 1/24/2023 | 0.09      | 9.16 | 0.05     | 2.00      | 1.60  | 16         | 6.8  | ABSENT         |  |
| Stageneck Road @ Harbor Beach Road                    | 1/24/2023 | 0.12      | 9.22 | 0.07     | 1.80      | 1.59  | 17         | 7.3  | ABSENT         |  |
| Yorkshire Commons @ York Street                       | 1/24/2023 | 0.08      | 9.05 | 0.12     | 2.00      | 1.57  | 17         | 5.9  | ABSENT         |  |
| Organug Road @ Indian Trail                           | 1/24/2023 | 0.07      | 9.04 | 0.26     | 1.90      | 1.58  | 16         | 5.9  | ABSENT         |  |
| Nubble Road at Sewer Pump Station                     | 1/24/2023 | 0.11      | 9.27 | 0.15     | 1.80      | 1.61  | 17         | 7.2  | ABSENT         |  |
| White Pine Pump Station Near Route 1                  | 1/24/2023 | 0.07      | 9.13 | 0.08     | 2.00      | 1.60  | 17         | 6.8  | ABSENT         |  |

|  |          |      |      |      |      |      |    |     |
|--|----------|------|------|------|------|------|----|-----|
|  | Average: | 0.09 | 9.05 | 0.09 | 1.90 | 1.58 | 17 | 6.2 |
|  | Minimum: | 0.07 | 8.82 | 0.01 | 1.40 | 1.53 | 16 | 3.3 |
|  | Maximum: | 0.12 | 9.29 | 0.26 | 2.20 | 1.69 | 19 | 7.4 |

|                                 |                                                 |                                     |        | <u>Jan</u> | <u>Feb</u> | <u>Mar</u> | <u>Apr</u> | <u>May</u> | <u>June</u> | <u>July</u> | <u>Aug</u> | <u>Sept</u> | <u>Oct</u> | <u>Nov</u> | <u>Dec</u> |
|---------------------------------|-------------------------------------------------|-------------------------------------|--------|------------|------------|------------|------------|------------|-------------|-------------|------------|-------------|------------|------------|------------|
| <b>BLS REQUIRED INSPECTIONS</b> | <b>Task</b>                                     | <b>Interval</b>                     |        |            |            |            |            |            |             |             |            |             |            |            |            |
|                                 | Eyewash Station checks                          | Weekly                              |        | √          |            |            |            |            |             |             |            |             |            |            |            |
|                                 | Vehicle Checks                                  | Weekly                              |        | √          |            |            |            |            |             |             |            |             |            |            |            |
|                                 | Portable Ladder inspections                     | Monthly                             |        | √          |            |            |            |            |             |             |            |             |            |            |            |
|                                 | Sling/ lifting strap/ lifting chain inspections | Monthly                             |        | √          |            |            |            |            |             |             |            |             |            |            |            |
|                                 | PPE inspections                                 | Monthly                             |        | √          |            |            |            |            |             |             |            |             |            |            |            |
|                                 | Fire extinguisher inspections (internal)        | Monthly                             |        | √          |            |            |            |            |             |             |            |             |            |            |            |
|                                 | First Aid Kit Inspections                       | Monthly                             |        | √          |            |            |            |            |             |             |            |             |            |            |            |
|                                 | Jack inspections                                | Monthly                             |        | √          |            |            |            |            |             |             |            |             |            |            |            |
|                                 | Jack stand inspections                          | Monthly                             |        | √          |            |            |            |            |             |             |            |             |            |            |            |
|                                 | Welding equipment inspections                   | Monthly                             |        | √          |            |            |            |            |             |             |            |             |            |            |            |
|                                 | Air Compressor relief valve check               | Monthly                             |        | √          |            |            |            |            |             |             |            |             |            |            |            |
|                                 | Water heater relief valve check                 | Monthly                             |        | √          |            |            |            |            |             |             |            |             |            |            |            |
|                                 | Grinding wheel/ guard inspection                | Monthly                             |        | √          |            |            |            |            |             |             |            |             |            |            |            |
|                                 | Garage Door sensor checks                       | Monthly                             |        | √          |            |            |            |            |             |             |            |             |            |            |            |
|                                 | Emergency Exit Lighting checks                  | Monthly                             |        | √          |            |            |            |            |             |             |            |             |            |            |            |
|                                 | AED inspections                                 | Monthly                             |        | √          |            |            |            |            |             |             |            |             |            |            |            |
|                                 | Fixed Ladder Inspections                        | Every 6 months - or when accessible |        |            |            |            |            |            |             |             |            |             |            | -          |            |
|                                 | Air Quality Monitor Calibrations                | Every 6 months                      |        |            |            |            |            |            |             |             |            |             |            |            |            |
|                                 | Lifts/Hoists (internal)                         | 6 months from KoneCrane inspection  |        |            |            |            |            |            |             |             |            |             |            |            |            |
|                                 | Lifts/Hoists (Contracted)                       | Annually                            |        | √          |            |            |            |            |             |             |            |             |            |            |            |
|                                 | Testing Panic buttons/security pads             | Annually                            |        | √          |            |            |            |            |             |             |            |             |            |            |            |
|                                 | Fire extinguisher inspections (contracted)      | Annually                            |        |            |            |            |            |            |             |             |            |             |            |            |            |
| <b>BLS REQUIRED TRAINING</b>    | MMA - Fire Extinguisher Training                | Annual                              |        |            |            | -          | -          | -          |             |             |            |             |            |            |            |
|                                 | Confined Space Rescue Training*                 | Initial                             |        |            |            |            |            |            |             |             |            |             |            |            |            |
|                                 | Simulated Confined Space Rescue Training*       | Annual                              |        |            |            |            |            |            |             |             |            |             |            | -          |            |
|                                 | Basic First Aid Training*                       | Every 2 years - last 9/22/20        |        |            |            |            |            |            |             |             |            |             |            |            |            |
|                                 | CPR certification*                              | Every 2 years - last 9/22/20        |        |            |            |            |            |            |             |             |            |             |            |            |            |
|                                 | Hearing Tests/Training Video*                   | Annual                              |        |            |            |            |            |            |             |             |            |             |            |            |            |
|                                 | Respirator Medical Evaluations*                 | Annual                              |        |            |            |            |            |            |             | -           |            |             |            |            |            |
|                                 | Respirator Fit Tests*                           | Annual                              |        |            |            |            |            |            |             |             | -          |             |            |            |            |
|                                 | Workzone/Flagger Training                       | Initial                             |        |            |            |            |            |            |             |             |            |             |            |            |            |
|                                 | Trenching & Excavation Training                 | Initial                             |        |            |            |            |            |            |             |             |            |             |            |            |            |
|                                 | Global Harmonization Video                      | Initial                             |        |            |            |            |            |            |             |             |            |             |            |            |            |
| <b>BLS REQUIRED PROGRAMS</b>    | Hazard Assessment of PPE                        | Program Review                      | Annual | √          |            |            |            |            |             |             |            |             |            |            |            |
|                                 |                                                 | Employee Review                     | Annual |            |            |            |            |            |             |             |            |             |            |            |            |
|                                 | Bloodborne Pathogen Policy                      | Program Review                      | Annual | √          |            |            |            |            |             |             |            |             |            |            |            |
|                                 |                                                 | Employee Review                     | Annual |            |            |            |            |            |             |             |            |             |            |            |            |
|                                 | Confined Space Program                          | Program Review                      | Annual | √          |            |            |            |            |             |             |            |             |            |            |            |
|                                 |                                                 | Employee Review                     | Annual |            |            |            |            |            |             |             |            |             |            |            |            |
|                                 | Emergency Action Plan                           | Program Review                      | Annual | √          |            |            |            |            |             |             |            |             |            |            |            |
|                                 |                                                 | Employee Review                     | Annual |            |            |            |            |            |             |             |            |             |            |            |            |
|                                 | Electrical Policy (Arc Flash)                   | Program Review                      | Annual | √          |            |            |            |            |             |             |            |             |            |            |            |
|                                 |                                                 | Employee Review                     | Annual |            |            |            |            |            |             |             |            |             |            |            |            |
|                                 | Fire Extinguisher Policy                        | Program Review                      | Annual | √          |            |            |            |            |             |             |            |             |            |            |            |
|                                 |                                                 | Employee Review                     | Annual |            |            |            |            |            |             |             |            |             |            |            |            |
|                                 | Global Harmonization Policy (HazCom)            | Program Review                      | Annual | √          |            |            |            |            |             |             |            |             |            |            |            |
|                                 |                                                 | Employee Review                     | Annual |            |            |            |            |            |             |             |            |             |            |            |            |
|                                 | Hearing Protection Program                      | Program Review                      | Annual | √          |            |            |            |            |             |             |            |             |            |            |            |
|                                 |                                                 | Employee Review                     | Annual |            |            |            |            |            |             |             |            |             |            |            |            |
|                                 | Ladder Policy                                   | Program Review                      | Annual | √          |            |            |            |            |             |             |            |             |            |            |            |
|                                 |                                                 | Employee Review                     | Annual |            |            |            |            |            |             |             |            |             |            |            |            |
|                                 | Lock Out / Tag Out Program                      | Program Review                      | Annual | √          |            |            |            |            |             |             |            |             |            |            |            |
|                                 |                                                 | Employee Review                     | Annual |            |            |            |            |            |             |             |            |             |            |            |            |
|                                 | Respiratory Protection Program                  | Program Review                      | Annual | √          |            |            |            |            |             |             |            |             |            |            |            |
|                                 |                                                 | Employee Review                     | Annual |            |            |            |            |            |             |             |            |             |            |            |            |
|                                 | Silica Exposure Prevetion Program               | Program Review                      | Annual | √          |            |            |            |            |             |             |            |             |            |            |            |
|                                 |                                                 | Employee Review                     | Annual |            |            |            |            |            |             |             |            |             |            |            |            |
|                                 | Video Display Terminal Policy                   | Program Review                      | Annual | √          |            |            |            |            |             |             |            |             |            |            |            |
|                                 |                                                 | Employee Review                     | Annual |            |            |            |            |            |             |             |            |             |            |            |            |
| <b>MISC</b>                     | Safety Meetings                                 | Quarterly                           |        |            |            |            |            |            |             |             |            |             |            |            |            |
|                                 | Update Bureau of Labor posters                  | Every 6 months                      |        | √          |            |            |            |            |             |             |            |             |            |            |            |
|                                 | Post OSHA 300 logs                              | Annual                              |        | √          |            |            |            |            |             |             |            |             |            |            |            |
|                                 | Prepare Safety budget                           | Annual                              |        |            |            |            |            |            |             |             |            |             |            |            |            |
|                                 | SDS inventory                                   | Annual                              |        | √          |            |            |            |            |             |             |            |             |            |            |            |
|                                 | NWZAW & Safe Digging Banners                    | Annual                              |        |            |            |            |            |            |             |             |            |             |            |            |            |
|                                 | SHAPE inspection                                | Every 3 years                       |        |            |            |            |            |            |             |             |            |             |            |            |            |

\* Applicable employees only

Date: **2/15/2023**

Project No.: **20988A**

To: **Don Neumann, Superintendent**

From: **Daniel J Flaig, PE**

Subject: **York Water District – Water Supply Capacity Summary**

During the past 3 years, the York Water District (YWD) has invested in various studies to evaluate and update future water demand and the safe yield of Chases Pond. In addition, the YWD utilized information from these studies to contribute to the Town of York’s comprehensive plan update completed in 2021.

The purpose of this memorandum is to provide a summary of system capacity constraints and outline possible strategies to manage the finite water supply resources available to the YWD with future growth in water demand through addition of new customers over time. It is appropriate for system growth to be managed sustainably through an understanding of limiting factors such as water supply quantity, treatment capacity, and management of revenue to sustainably operate the District and allow continued capital investment in system upgrades.

## Safe Yield & Water Use Projection

A bathymetric survey and safe yield model were completed in 2022 as updates to prior studies completed in 1994 and 2007. The safe yield model produced a range of capacity based on simulated droughts of record and time periods of more average annual precipitation conditions. In general, the northeast has experienced more frequent occurrences of drought conditions over the past 10 years, which reduces the available water supply quantity. The summer months create higher demand on the available storage in Chases Pond through a combination of higher seasonal demand driven by transient and seasonal water customer addition and reduced rainfall recharge. The safe yield of Chases Pond is the daily average water withdrawal (over 365 days) which has an estimated range from about 2.02 mgd (drought year) to about 3.05 mgd (average precipitation year). The range of safe yield is based on the available storage above the existing intake elevation to the top of the dam flash boards (approximately 10 feet of water depth above the intake equates to about 487 million gallons). Climate change is an important future risk factor affecting the annual recharge for groundwater and surface water supply sources.

The water use projections from the 2020 master plan update are summarized in the following table.

**Table 1 Projected Demand Summary York Water District**

| Year | Average-Day Demand (MGD) | Maximum-Day Demand (MGD) |
|------|--------------------------|--------------------------|
| 2020 | 1.071*                   | 2.624                    |
| 2028 | 1.102                    | 2.700                    |
| 2038 | 1.172                    | 2.871                    |

\*2020 data represents actual observed data.

Average daily water demand is expected to grow moderately over time. The 2020 average water demand was approximately 53% of the drought safe yield and about 35% of the average precipitation safe yield scenario. The average daily demand in the year 2038 is projected at about 1.172 mgd (average over 365 days). This amounts to about 58% of the drought year safe yield and about 38% of the average precipitation year safe yield scenario

The water system has an above average ratio between maximum day demand and average day demand during the summer months. The projected maximum day demand in the year 2038 is 2.871 mgd. The maximum day demand is driven by a seasonal increase in water use through tourism and seasonal residential and commercial water use in addition to year-round customer water use.

The water supply quantity and treatment capacity are limiting system constraints during a drought year when maximum day demands trend over many days during the summer months. The YWD has recognized these constraints in past operations and have implemented operational strategies such as the use of emergency interconnections.

The YWD continues to maintain below industry average non-revenue water and unaccounted for water use (losses). YWD invests in annual pipe replacements to renew aging cast iron water mains to improve hydraulic capacity, public fire protection, and minimize annual water losses through leaks and breaks.

The average residential water use per service connection is about 123 gal/day and the average commercial water use per service connection is approximately 800 gal/day.

## **Management Strategies**

The YWD should continue to be mindful of water supply and treatment capacity constraints with future capital planning and operational management (financial and technical). Southern Maine has experienced the effects of climate change with mild winters and increased frequency of drought periods impacting local and regional water supply recharge. The Town of York adopted a Climate Action Plan in February 2022, which lays out a road map for the town to prepare and adapt to climate change. The YWD should be proactive with public awareness with respect to potential climate change impact on York's water supply and more broadly with neighboring water utilities with similar concerns.

Once the average annual day demand approaches 75% of the drought safe yield, or the maximum day demand increase above 3 mgd frequently during the summer months, mitigation policies to curtail water use may be necessary to maintain sustainable operations. The YWD should continue to be proactive in planning and implementing future strategies to manage the water supply. Below is a summary of recommended strategies or future planning initiations:

## **Utility Interconnections**

1. Increased use of neighboring utility emergency interconnections during the summer months.
  - a. KKW has supply limitation and water can be purchased through interconnections with Maine Water Company to supply water to KKW and YWD.
2. Water chemistry incompatibility is a current limitation to purchasing water from Kittery Water District. Provisions to allow for chloramination of water pumped from Kittery to York through the Old Beech Ridge Road Pump Station will address this issue. Chemical feed systems for ammonia and chlorine boosting for chloramination are planned to be incorporated into the Old Beech Ridge Road Pump Station.
3. Kittery Water District Folly Pond siphon – Water transfer from Folly Pond to Chases Pond via a siphon pipe can be utilized during droughts to provide recharge to Chases Pond. Typically, Folly Pond is used by Kittery Water District in the Fall to recharge Middle Pond, which may allow some operational flexibility to transfer some water via the siphon to Chases Pond if needed for emergencies.

## **Policy & Planning Implementation**

1. Work with Town of York to complete a buildout analysis of existing undeveloped parcels and potential redevelopment within the targeted growth area of the future land use map in the comprehensive plan update. Most of this area of town is currently served by public water and or sewer.
2. Extension of public water mains is funded by private developers. Limiting water main extensions to the rural areas is an important strategy for sustainable growth of the public water system.
3. In general, the YWD has about 343,000 gallons/day on an annual average above the projected 2038 average day demand of 1.172 MGD to increase to 75% of the drought year safe yield. This is equivalent to about 1,900 additional residential service connections using a conservative daily water use of 180 gpd/service connection. The system has the capacity to support sustainable growth of residential and commercial water users for the foreseeable future on a water supply basis. Water demand trends should be monitored annually and compared to projections. Water demand trends should be expected to vary annually based on the economic market for development projects and population increases within the existing water service area.
4. This addition of demand would generally project to a maximum day demand of about 3.7 MGD, which is the current treatment plant capacity. The District should plan for treatment capacity expansion and/or increased summer-early fall seasonal use of interconnections with KKW and Kittery Water District.
5. Policies to encourage water conservation through management of irrigation water use during the dry summer months.
6. Complete a treatability study to assess the performance of the existing treatment facility with water quality trends observed in Chases Pond. Additional filter/clarifier capacity should be considered in future updates to plan for increases in maximum day demand with one filter train out of service.
7. A future planning study to review the feasibility and cost to raise the pond level with a new dam is recommended.



York, Maine  
February 2022



# YORK CAP

## CLIMATE ACTION PLAN

Summary

# Acknowledgments

The Climate Action Plan (CAP) process began in 2019 with the recommendation of the York Energy Steering Committee, then chaired by Rozanna Patane, to cut the community's GHG emissions and join the 11,000 city Global Covenant of Mayors by pledging to reduce the community's greenhouse gas (GHG) emissions by 50% by 2030 and 100% by 2050. That commitment was adopted by the Selectboard in that same year.

This Plan has been in the making for a long time and many committed community members have worked in various capacities and ways to address climate change. We would like to thank Town leadership for supporting this Climate Action Plan planning process and Town staff and community volunteers for the hours of time they spent to get us to this finished product.

And while too numerous to mention, we offer gratitude to the hundreds of community members who attended meetings, answered survey questions, and offered feedback on the project website to ensure this plan reflects the needs and concerns of the people of York. Your efforts and time are greatly appreciated.

## CAP Steering Committee

Wayne Boardman, Co-Chair  
Gerry Runte, Co-Chair  
Brenda Alexander, York School Committee  
Karen Arsenault, York Water District  
Lydia Blume, State Representative  
Susan Covino, York Energy Steering Committee  
Erin Ferrell, AmeriCorps VISTA Sustainability Associate  
Catherine (Casey) Giffen, volunteer  
Jennifer Hunter, Citizen-at-Large  
Carol Libby, York Recycling Committee  
Mac McAbee, York Ready for Climate Action  
Ron McAllister, York Parks & Rec  
Marilyn McLaughlin, Selectboard  
Robert Palmer, Selectboard  
Halley Smith, Citizen-at-large  
Michelle Surdoval, York Community Service Association

## Other Volunteer Committees

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Kathleen Kluger, Chair  
Wayne Boardman, Vice Chair  
Kenneth Churchill  
Al Cotton  
Gerry Runte  
Peter Smith  
Ian Shaw

### Energy Steering Committee

Susan Covino, Co-chair  
Len Loomans, Co-chair  
Wayne Boardman  
Harry Mussman  
Rozanna Patane  
Gerry Runte

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Ben Lovell, Co-Chair  
Richard Bilden  
Michelle Marean  
Rozanna Patane  
Jennifer Ring  
Michelle Surdoval

### Transportation

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Harry Mussman, Co-Chair  
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### Infrastructure

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Dave Cohen  
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### Resilience, Health & Emergency Management

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### Equity Subcommittee

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## Town Of York

### Selectboard

Todd A. Frederick, Chair  
Robert E. Palmer Jr., Vice Chair  
Michael L. Estes  
Kinley Gregg  
Marilyn McLaughlin



### Town of York Staff

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Dean A. Lessard, P.E., Director of Public Works  
Rick Mace, Tax Assessor  
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Luke Vigue, Lister/Appraiser, Assistant Code Enforcement Officer

## Other Entities Providing Important Input

### York Water District

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Gary Stevens, Assistant Superintendent  
Patrick Desrosiers, Financial Manager  
Daniel J. Flaig, PE, Water Practice Group Leader for Maine, Wright-Pierce  
Collin Stuart, PE, Project Engineer, Wright-Pierce

### York Sewer District

Tim Haskell, Superintendent  
Phil Tucker, Assistant Superintendent

### Southern Maine Planning & Development Commission

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Karina Graeter, Sustainability Coordinator

Peter Slovinsky, Maine Geological Survey  
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Benjamin Miller, Massachusetts Energy and Environmental Agency  
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Erin Banfield, Senior Business Manager, Casella Waste Systems, Inc.

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Madeleine Kelly, Planning Intern

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with

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### Technical assistance from:

Wright & Pierce, waste calculations  
Weston & Sampson, precipitation calculations

### Design assistance from:

Matt DeCotiis, Cicada

### **Cover Photos:**

Geneve Hoffman (16 Hoops Photography)  
Williams Realty Partners  
Carol Libby



Photo Credit: Geneve Hoffman (16 Hoops Photography) and Williams Realty Partners



# Summary

*This Climate Action Plan (CAP) lays out a road map for the Town to move forward on climate action - preparing and adapting to the changes we know are coming and reducing our greenhouse gas emissions. The CAP outlines the planning process, outcomes, and recommendations and its appendices provide detailed information on the GHG Inventory and Vulnerability Assessment, methodologies, mapping, and the Working Groups products. This summary provides an overview of the plan, its recommended goals and actions, and immediate priorities if adopted by the public.*

## Overview

### York's Commitments to Climate Action

In 2019, the Selectboard committed the community to reduce its greenhouse gas emissions when it joined the Global Covenant of Mayors (GCoM) initiative.<sup>1</sup> Developing a climate action plan was one of the commitments required to become a member. York has a long history of related actions beginning in 2008 with its signing the US Mayors Climate Protection Agreement, continuing with the addition of a sea level rise chapter to its Comprehensive Plan in 2013 and undertaking of several energy efficiency initiatives.

Most initiatives in York thus far have focused on reducing energy consumption and GHG emissions, York will need to significantly expand its actions to adapt to climate change. With its miles of coastline, tourism economy, and abundant natural areas, the town is at significant risk from climate change.

The CAP is the result of a collaboration among the town's consultant team CivicMoxie and Climate Advisory, over 50 volunteers, civic organizations, Town staff, and others. The public was also invited to participate in reviewing the plan through four public meetings.

### The CAP's Purpose

The CAP addresses two key questions:

#### Adaptation/Protection

**What can be done to protect York from the impacts of Climate Change?** The focus is on protecting buildings, infrastructure, the natural environment, people, and the economic health of York, and increasing the town's resilience in the face of climate change.

#### Mitigation/Reduction

**What steps can the York community take to minimize the town's contributions to climate change?** Emissions sources include buildings, transportation, and waste. GHGs are released into the atmosphere from the burning of fossil fuels to create energy.

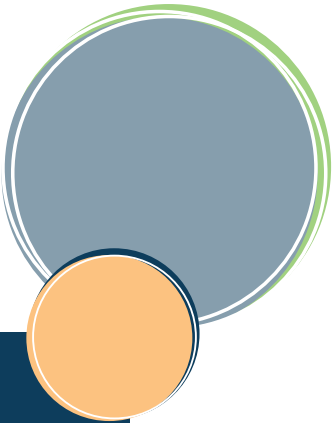
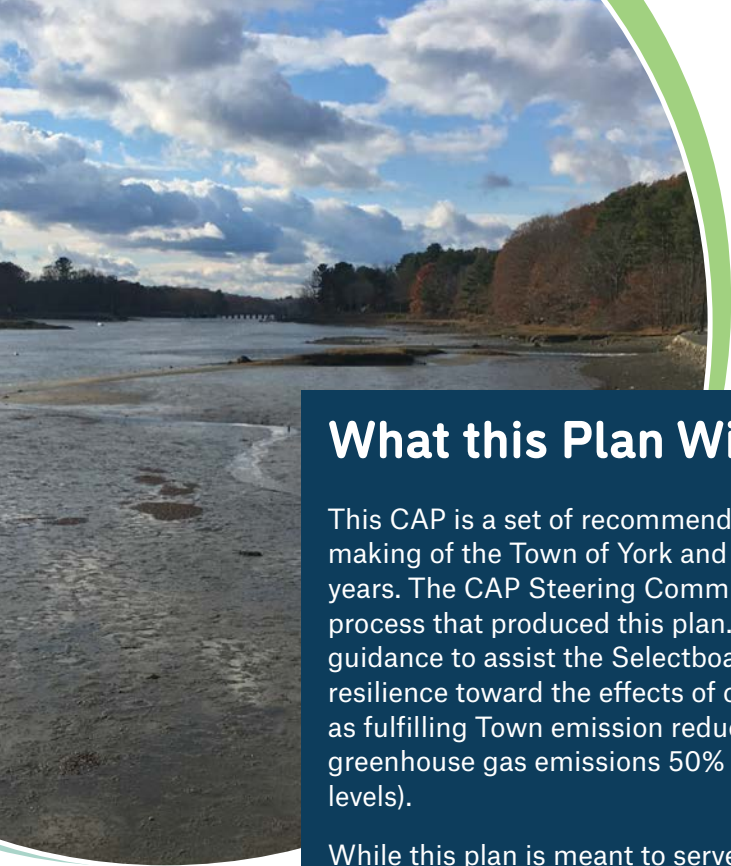
York's economic health relies on property values and our strong tax base which is tied directly to our beaches, natural environment, historic character, and coastal beauty. Climate change will threaten all of this.

- Participant at June 2021

Project Kickoff Meeting

Photo Credit: Carol Libby





## What this Plan Will (and Won't) Do

This CAP is a set of recommendations and goals to guide the decision making of the Town of York and the broader community in the coming years. The CAP Steering Committee and Working Groups led a planning process that produced this plan. The CAP provides information and guidance to assist the Selectboard and residents of the town to build resilience toward the effects of climate change in the coming years as well as fulfilling Town emission reduction commitments (reduce community greenhouse gas emissions 50% by 2030 and 100% by 2050, from 2010 levels).

While this plan is meant to serve as a valuable guide for setting Town policies and making financial decisions, as well as identifying where funding and partnerships might be obtained, nothing can happen without actions by the Selectboard, the voters and other interested community groups. In addition, there will be multiple roles by many parties. The Town cannot have sole responsibility for implementing many of these recommendations. CAP implementation will be a collaborative effort involving, and perhaps creating, other entities to partner in this effort.

At the same time, by nature of its position, the Town—the Selectboard and voters—are the key to moving forward with CAP implementation. Town and voter/resident engagement will be essential to ensuring the effectiveness of the overall plan and will help inform ongoing discussions, weighing of options, and ultimately make decisions improving the town's resilience to climate change and reducing its emissions.

Let the work begin!

*Photo Credit: Carol Libby*



## What's at Stake

We know that our climate is changing, and we see it every day. York can expect a rising sea level, more frequent storm surges, warming air temperatures, heavier precipitation, increased storm severity and flooding, as well as warming ocean temperatures in the coming decades. The Town must prepare for these events and minimize their impact. In addition, the reason these expectations are likely is well understood: climate change is the result from the large amounts of human-caused emissions of greenhouse gases in the atmosphere. The Town must also do its part to reduce its emissions as part of its place in the global community.

Climate change will have physical and fiscal impacts on the Town of York.

### Loss of Property Value and Tax Base

Sea level rise (SLR) and increasing storm intensity will increase the risk of coastal flooding and precipitation-based inland flooding for many properties in York. Declining values in turn lower the property tax revenue collected by the Town, which could affect the Town budget and services (Fig. 1).

### Loss of Dry Beach

With sea level rise and storm surges, beach area will be lost. With 1.6 feet of SLR, an estimated 42% of the dry beach area and 55% of dune area in York County will be lost. At 3.9 feet, this loss goes up to

75% and 92%, respectively.<sup>2</sup> With only 1.5 feet of sea level rise, the most conservative estimate, loss of beach area could result in more than 1 million fewer visitors and more than \$130 million less spent by tourists per year in York County.<sup>3</sup>

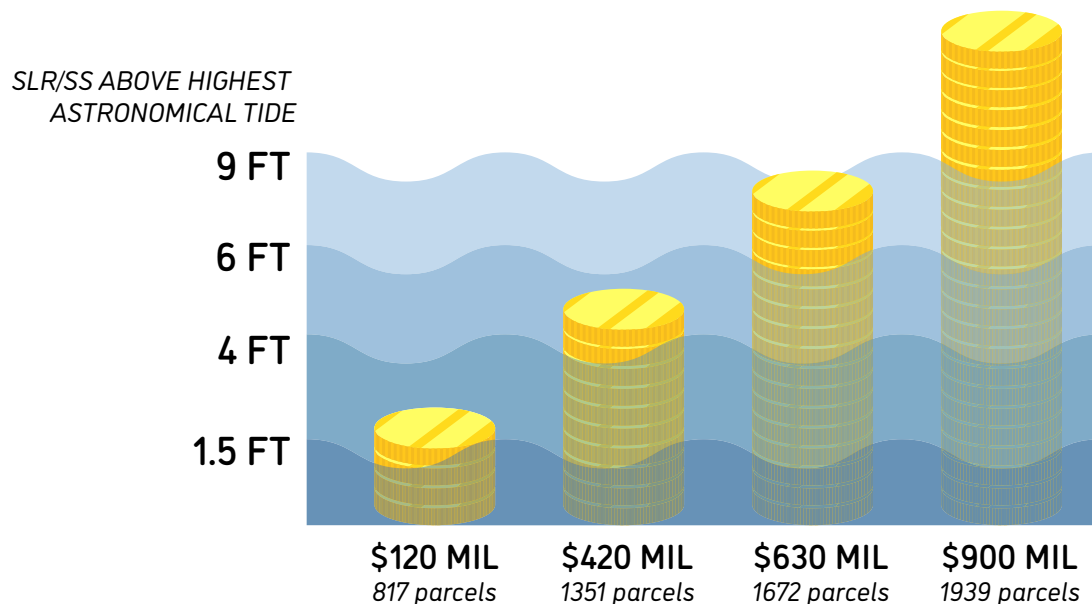
### Risks to Infrastructure Including Transportation Disruptions

With a combination of six feet of storm surge and sea level rise, 600 addresses in York would be inaccessible because of flooded roads.<sup>4</sup> As little as 1.5 feet would inundate both town docks, the boat launch, and the Harbormaster office, eliminating York's only public harbor access points, as was most recently illustrated with the storm surge experienced on January 17, 2022.

### Health Risks to Vulnerable Populations

Without global reductions in GHG emissions, by 2050 average temperatures in York are projected to be an additional 6 °F warmer. In the summer, this will cause temperatures that feel like 90 °F or hotter for 20 to 30 more days each year than we experience now.<sup>5</sup> In 2019, approximately 27% of York residents were over the age 65, and more than 7% of those over 65 were living alone.<sup>6</sup> Older adults are often more adversely impacted by extreme heat and air pollution.<sup>7</sup> Seasonal workers are also susceptible to health risks from increased number of high heat days, and loss of wages or employment owing to flooding of their workplace or declines in tourism.

Fig. 1. York Parcels and Assessed Value at Risk in Four Sea Level Rise (SLR) and Storm Surge (SS) Scenarios



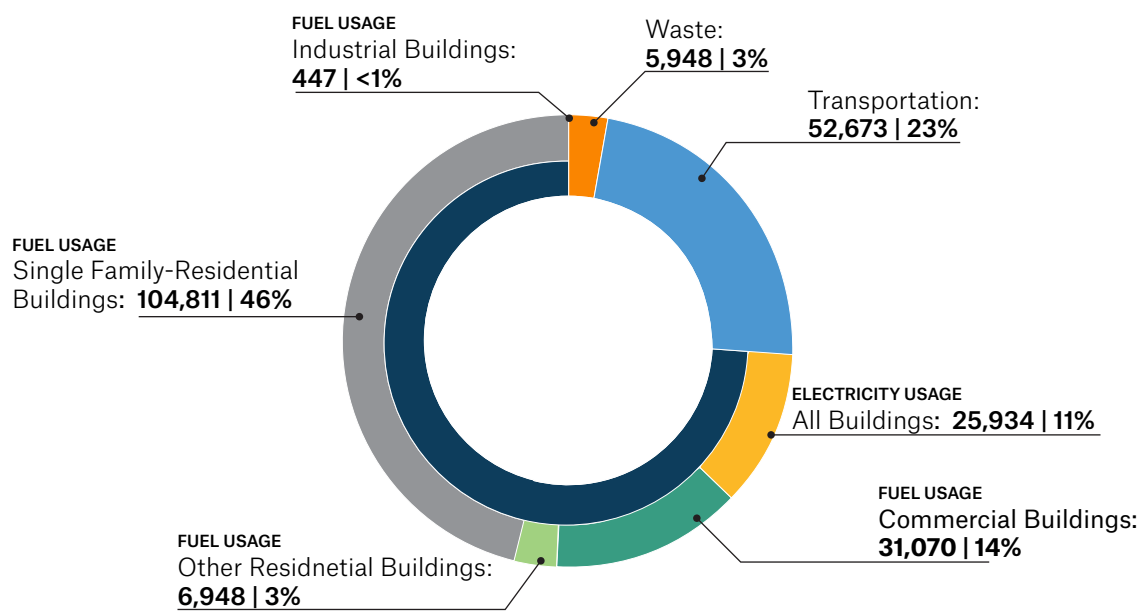
Source: See the York Climate Action Plan Appendix A for methodology and more information on the calculation of parcels and total property value affected in York.

## Emission Reduction Priorities

An inventory of York's 2019 GHG emissions reveals that the town's total emissions from buildings, transportation, and waste were approximately 230,000 MtCO<sub>2</sub>e, or around 17 MtCO<sub>2</sub>e per resident. Buildings contributed the most at 74% of the town's emissions, followed by transportation (23%) and waste (3%). The largest single source of emissions is fuel usage—mostly heating—in single-family homes, accounting for 46% of all of York's emissions (Fig. 2).

Comparing GHG emissions produced within each of the three sectors, York's top priorities for reduction strategies should focus on single-family residential and transportation emissions, which account for 46% and 23%, respectively, of York's total emissions.

Fig. 2. Total GHG Emissions in York, 2019



# Engaging the York Community

Information about the CAP was communicated to the York community in many ways. Each of these engagement activities offered community members the opportunity to participate in the planning process by learning more about the CAP, asking questions, and providing input.



## Goals and Recommended Actions

The assessment of York's vulnerability to climate change and the inventory of the town's contribution to GHG emissions, along with public feedback and discussion, provided the information that helped shape the 25 goals of this CAP, organized by eight focus areas below. On the following pages, information on the goals and recommended actions is provided in detail. Section 7 of the CAP provides detailed information about the goals and actions, key performance indicators, an assessment of opportunities and challenges, implementation roles for various entities, and an assessment how effective the goal is toward mitigation and adaptation.

### 1. Buildings

### 2. Infrastructure

### 3. Access to Renewable Energy

### 4. Natural Resources

### 5. Mobility

### 6. Waste and Recycling

### 7. Community Resiliency and Equity

### 8. Leadership and Capacity



## Buildings

1

*Buildings account for 74% of York's total GHG emissions, of which more than 90% comes from single-family homes, which represent the largest contribution to GHG emission in the town. Supporting home energy audits, a shift to electric heat pumps, and weatherization of buildings will need to be a priority in the coming years.*

### Goal 1.1

#### Reduce GHG emissions generated by existing residential and commercial buildings

##### Recommended Actions

- Create or support existing program to offer technical assistance (TA) and financial incentives to replace old/failed equipment and lighting with high efficiency equipment. This would provide follow-up/action steps after energy audit program.
- Promote via education and advocacy for all stakeholders.
- Work with Efficiency Maine and other organizations to identify grants or other financial incentives.
- Conduct a thorough review of ordinances and development regulations to understand opportunities for changes to promote CAP goals.
- Consider allowing existing homes to be split into two smaller units (more housing on smaller carbon footprint per household).
- Develop or support and advertise energy audit program to identify energy conservation opportunities.
- Support the addition of energy audits to buyer home inspections.
- Provide education about biofuels as an affordable bridge to heat pump use.

### Goal 1.2

#### Adopt temperature and flood resilience standards for all new and heavily renovated buildings.

##### Recommended Actions

- Conduct a code review to identify necessary changes to incorporate resilience standards.
- Adopt zoning changes to require buildings in and near impacted areas to be designed to withstand the impacts of climate change through design, siting, changes in use categories, and other physical and operational modifications.
- Provide user-friendly guides to new standards and conduct public outreach campaign.

- Consider creation of zoning resilience overlays to help protect buildings and neighborhoods from climate emergencies, including sea level rise (SLR), storm surge, and inland flooding. This should include the adoption of a coastal zone overlay district that addresses the risks of SLR for new construction, renovations, and transportation/access points in affected areas, and considers limiting development in these areas.

### Goal 1.3

#### Develop a plan to phase in energy building codes to reach net zero carbon emissions for new construction.

##### Recommended Actions

- Adopt the optional Maine Energy Stretch Code (IECC 2021) for greater energy savings.
- Provide training for builders, planning staff and board, and code enforcement personnel.
- Launch a promotional and public education effort to communicate the advantages of the stretch code and improve the chances of adoption via an ordinance by Town residents.
- Adopt regulations that promote development that creates less soil disturbance, less stormwater runoff, smaller building footprints/less impervious surfaces, maintains more natural landscape, and sustainable groundwater use.

### Goal 1.4

#### Increase awareness and use of climate friendly Maine building products such as cross laminated timber and wood fiber insulation.

##### Recommended Actions

- Research Maine building products and partner with existing efforts to highlight climate-friendly materials.
- Create a list and information program (or use existing resources) for builders, architects, home owners, and other property owners.



*Some infrastructure in York is highly vulnerable to climate change and should be a priority for action. SLR will greatly affect the rate of beach loss (and subsequent loss of tourism revenue/tax base) and also will likely affect property values and the Town's tax base in coastal areas. Certain roads and town services are also at high risk, negatively impacting overall connectivity and neighborhood access/evacuation as well as emergency services.*

### Goal 2.1

**Take steps to protect critical assets (water, sewer, public safety, access/evacuation roads, healthcare, Town services, dams, etc.) and other structures that will be impacted by sea level rise, storm surge, flooding and extreme weather events.**

#### **Recommended Actions**

- Conduct review of CAP vulnerability assessment with all leadership (Town, quasi-public entities, healthcare providers, etc.) to determine coordinated steps needed for critical asset protection.
- Evaluate needed efforts in additional floodplain management necessary to increase/maintain Federal Emergency Management Agency's (FEMA) Community Rating System (CRS) rating to increase flood insurance premium discount.

#### *Public Services/Safety:*

- Evaluate SLR risks (and solutions) to York Beach Fire Department, Town Docks 1 & 2, and the harbormaster office.

#### *Electric Grid*

- Upgrade back-up energy systems to reduce downtime.

#### *Water:*

- Encourage communication and collaboration to support the York Water District's efforts to plan for climate adaptation and to implement resiliency. Utilize storm surge and SLR GIS mapping to identify critical water system infrastructure impacts and associated resiliency planning, design, and construction.
- Encourage and support the York Water District with prolonged drought planning and implementation. This would include regional cooperation with the Southern Maine Regional Water Council for water quality and quantity.
- Evaluate existing code enforcement ordinances with respect to potential impacts from prolonged drought impacts due to climate change.

#### *Wastewater:*

- Encourage and support the York Sewer District's efforts to plan and implement climate adaptation and resiliency. Utilize storm surge and SLR GIS mapping to identify critical wastewater system infrastructure impacts and associated resiliency planning, design, and construction.
- Utilize GIS mapping to identify storm surge and sea level rise impacts to on-site septic systems. Support Town efforts to notify property owners of potential impacts due to those projected impacts for systems that are identified to be impacted and work to build resilience.

#### *Stormwater:*

- Improve stormwater capture by commissioning an assessment/feasibility study to better inform stormwater management improvements. Evaluate how much money the Town spends on dealing with stormwater now and how much it will be required to spend in the future

#### *Roads and Bridges:*

- Assess the vulnerability (current and future) of the town's roads and bridges to the five types of flooding (Flash Flooding, River Flooding, Storm Surge, Tidal Flooding and Groundwater).
- Develop and implement a standardized protocol for documenting local flood impacts to roads and bridges.
- Establish a policy/plan of action and/or emergency fund to expedite post-disaster road/bridge repair.
- Require all municipal road and bridge projects to mitigate, to the greatest extent practicable, existing and potential future impacts of flooding and erosion.
- Ensure that culverts are properly sized and roadway ditches adequately designed to accommodate increased precipitation during peak storm events.

### Goal 2.2

**Install and improve coverage and quality of broadband service in York to minimize Vehicles Miles Traveled (VMT) and improve emergency services.**

#### **Recommended Actions**

- Launch a marketing campaign and conduct a survey of residents and businesses to gauge demand for better internet service.
- Apply for grants and other support from ConnectMaine for a broadband study and efforts to improve service.
- Collaborate with SMPDC and neighboring towns to identify pockets of demand and make the case for installation of better service.
- Develop a targeted action plan to address the current shortfalls and anticipated demand and work with selected providers to plan for installation of better service.
- Pay particular attention to issues of equity with respect to access, coverage and affordability.



## **Access to Renewable Energy**

**3**

*Without “green” electricity sources, actions to shift to electric heat pumps for buildings and electric vehicles (EVs) will have little impact on reducing GHG emissions until electric power will be generated from burning fossil fuels and continue GHG emissions to the atmosphere.*

### Goal 3.1

**Support the overall increase in the supply of renewable energy for all York citizens.**

#### **Recommended Actions**

- Lobby State and Federal officials to increase renewable energy supply.
- Ensure that local codes and standards encourage and permit small-scale renewable energy generation, including solar systems, and battery storage.
- Promote and encourage on-site renewable generation, battery storage, and beneficial electrification, including EV's. Beneficial electrification should be accompanied by purchasing and consuming grid-based power generated by renewable sources.
- Explore bulk purchases of solar photovoltaic (PV) systems.
- Expand PV systems on municipal and school properties.
- Investigate changes to ordinances that incentivize solar systems.

### Goal 3.2

**Promote alternative means by which residents and businesses can access renewable energy without having to install, own or operate electricity generating systems, such as solar.**

#### **Recommended Actions**

- Explore the possibility of solar power installations on underutilized land including rights of way (powerlines and turnpike) and the Witchtrot landfill.
- Seek necessary support/funding for community solar power projects.



*Natural resources provide a two-fold benefit to the town by protecting York from the impacts of climate change (heat, SLR, flooding) and by capturing and storing carbon to reduce the town's net GHG emissions.*

### Goal 4.1

**Permanently conserve land, including wetlands and estuarine systems, and protect resources that provide carbon storage.**

#### Recommended Actions

- Conduct a tree inventory and create a tree canopy map and plan for ongoing tree planting in the town.
- Allocate funding to permanently conserve forested areas.
- Support York Land Trust efforts to manage existing conservation lands and expand areas of permanently protected land in York.
- Work with the York and Kittery Water Districts to permanently protect District lands in York.
- Support incentives in forestry, agricultural, and lawn care practices that increase resiliency.
- Support forestry management and carbon capture plans with state forestry and University of Maine expert input.
- Allocate funding and conserve marsh migration areas.
- Establish development limits/restrictions in migration areas/SLR areas.
- Explore additional requirements such as a coastal zone overlay to strengthen protections for natural areas.
- Consider adopting most current FEMA maps and using additional inland flooding mapping to assess flooding risks and inform development regulations and adaptation investments.
- Conduct additional inventory/research work for blue carbon opportunities.
- Research and pursue other high impact blue carbon strategies.
- Conduct educational/public outreach campaign regarding efforts, including any proposed development restrictions/building regulations.
- Review land cover and type information in the CAP and create detailed data for all relevant categories for tracking and observation (ecological, food production, forests, working lands, blue and green carbon, etc.)
- Work with the York and Kittery Water Districts to permanently protect District lands in York.
- Support incentives in forestry, agricultural, and lawn care practices that increase resiliency (and carbon storage).
  - » Forest: support forestry management and carbon capture plans with state forestry and University of Maine expert input.
  - » Lawn: provide outreach/education for behavior changes and to increase demand for sustainable lawn care services by practitioners.
  - » Agriculture: promote regenerative practices and provide incentives and TA for same.
- Maintain marsh health
- Plan for marsh migration
- Maintain habitat connectivity.
- Manage invasives.
- Protect undeveloped habitats and large forested blocks.
- Protect wetlands and vernal pools.
- Protect headwater streams, natural stream buffers and floodplains.
- Provide more funding for land conservation efforts – goal of 30% of town land by 2030.

### Goal 4.3

**Evaluate economic value of natural resources (ecological services, blue carbon, green carbon, food production, forests, working lands) and use value in community decision making.**

#### Recommended Actions

- Review land cover and type information in the CAP and create detailed data for all relevant categories for tracking and observation (ecological, food production, forests, working lands, blue and green carbon, etc.).
- Incorporate data into new Town GIS layers and continue to update and track as part of regular Town mapping and regulation/monitoring.
- Prepare a detailed assessment of the economic and other values of this land.
- Evaluate how existing land use and development regulations can be improved to sustain or enhance carbon storage of natural systems, minimize emissions from new developments, and improve overall coastal resilience; and implement changes to regulations and ordinances.

### Goal 4.2

**Permanently conserve land and protect resources for climate resilience.**

#### Recommended Actions

- Support York Land Trust efforts to manage existing conservation lands and expand areas of permanently protected land in York.



*Transportation contributes 23% of York's total GHG emissions. Providing EV infrastructure will be critical to supporting the transition to EVs and to solve the "chicken and egg" problem of needing adequate charging capability before people feel comfortable with purchasing EVs.*

### Goal 5.1

#### Expand Electric Vehicle (EV) ownership and use.

##### Recommended Actions

- Establish a program to educate York residents on the benefits of a transition to EVs to motivate them to purchase (social media, schools, etc.).
- Research and publicize incentives for low/moderate income drivers (purchase rebates, charging station installation, other).
- Explore ways to promote or facilitate the addition of a charger to existing housing.
- Explore the feasibility of a reduction on excise tax for certain income groups for annual tax on EV.
- Provide up-front price reductions for income-qualifying individuals (supported through Efficiency Maine Trust) so they can avoid having to put more money down and wait for a rebate for EV purchases.

### Goal 5.2

#### Implement a green fleet policy for York municipal vehicle pool.

##### Recommended Actions

- Conduct an inventory of all existing municipal vehicles (school buses, code enforcement, police, fire, parks and recreation, public works, etc.).
- Evaluate "right sizing" vehicles to the needed application.
- Research available rebates and incentives, total cost of ownership, and develop a funding strategy.

### Goal 5.3

#### Encourage the adoption of green fleet policies by quasi-municipal (water and sewer districts) and commercial fleets operating in York.

##### Recommended Actions

- Promote the adoption of "Green Fleet Policies."
- Create a program including education and information and tracking of purchase/adoption of EVs.
- Offer awards/incentives for those meeting pre-determined targets.

### Goal 5.4

#### Provide a diversity of mobility options to serve different populations and needs to reduce Vehicle Miles Traveled (VMT).

##### Recommended Actions

- Expand and connect sidewalks and paths to make walking safer wherever possible.
- Expand and connect bike lanes and paths to make biking safer and more convenient. Prioritize: Route 1, Route 1A, Nubble, Ridge Rd, South Side Rd, Route 103, Route 91.
- Adopt zoning and growth policies that encourage walkable, connected development to decrease VMT.
- Conduct a needs assessment and survey to identify needs and potential barriers to access (seasonal, disabilities, comfort level, etc.). Create a program based on results.
- Calculate walking distances from multifamily and senior housing and schools to key services such as grocery stores, pharmacies, and York Hospital. Create a map, install distance markers, create public health programs and walking routes.
- List public transit and rideshare options, calculate average wait and travel times, as well as costs; compare with a case study of individual car ownership.
- Provide (or facilitate public-private partnership for) enhanced tourist-season mobility services (electric trolley and remote parking areas) that can also be used by residents.
- Offer demand-response transit and shared transit services for residents.
- Support improvements and extensions to regional transit services.
- Establish a Town transportation hub, to serve residents who are commuters, workers in town including seasonal workers, seasonal visitors.
- Provide consistent and user-friendly outreach and educational programs to alert all potential users about available services.
- Create public outreach and education programs about alternative mobility choices.

### Goal 5.5

#### Facilitate, promote, and track the installation of EV charging infrastructure in York for residents, employees, and visitors.

##### Recommended Actions

- Encourage 3rd party owner-operator installation of charging stations at public parking, beach, recreation parking areas.
- Create a working group of hospitality and businesses dependent on tourism. Develop a plan for charging infrastructure. Offer incentives and/or information to businesses to support.
- Create a program to advertise York as an “eco-friendly” destination and offer a website map of charging locations.
- Enact ordinance with “charger-ready” requirements for all new single and two-family residences.
- Enact ordinances to require EV charging infrastructure in all new commercial, multi-family and subdivision developments (consider requirements such as a minimum of one EV charging station; for lots over 15 spaces, provide 15-20% of spaces with EV-chargers).
- Create a program for single-family home owners including information on rebates, choices, and possible Town incentives to install charging stations.



## Waste and Recycling

6

*While waste only accounts for 3% of GHG emissions in York, residents have great control over the waste they generate, which also impacts GHG emissions from packaging and transportation of products. In addition, given the very low rates of recycling for plastics (<8%), there is significant room to reduce use of plastics.*

### Goal 6.1

#### Reduce municipal solid waste (MSW).

##### Recommended Actions

- Pass ordinance to limit use of single-use water bottles, take-out containers and other plastics that are not biodegradable.
- Adopt a sustainable purchasing policy for goods and services purchased by the town.
- Establish target areas for prioritized sustainable “swaps” where surpluses of items are exchanged to ensure full utilization.
- Expand food composting and recycling programs to reduce residential and commercial solid waste.
- Mandate recycling for commercial uses.
- Explore a construction and demolition recycling policy to keep these materials out of landfills and ensure they are recycled.
- Develop comprehensive education for food, waste and recycling strategies.

### Goal 6.2

#### Select municipal waste and recycling contractors based on multiple sustainability and climate criteria in addition to cost.

##### Recommended Actions

- Create criteria for evaluation of waste contractor proposals and adopt criteria.
- Apply criteria to procurement decisions.



*Overall community health will depend on coordinated public, private, and nonprofit planning and response. Ensuring low and moderate-income residents do not have additional cost burdens for energy, building upgrades, and shifts to EVs should also be a key priority.*

### Goal 7.1

**Create a Coordinated Climate and Health Response Team to address climate health and disaster risks in the community.**

#### **Recommended Actions**

- Review membership in the COVID Coordinated Response Team and adjust list as necessary to include additional relevant entities for climate and health.
- Create a mission and goals statement and a communications plan.
- Supply information for separate effort for Town public awareness outreach efforts.
- Coordinate with regional and state entities with similar mission/goals.
- Train Emergency Management personnel and others to ensure Town is ready for response in times of climate emergencies.
- Ensure that emergency responder training includes familiarity with types of illnesses that might present from rising temperatures, including heat exhaustion, cardio-vascular and pulmonary stressors, and “new to Maine” vector-borne diseases preparation for patient surges during extreme events and the likelihood for increases in violence during extended heatwaves.
- Create and adopt policies as necessary.
- Identify state and local sources for information on anticipated changes to seasonal conditions in temperature and precipitation.
- Conduct a “best practices” review of other town actions to prepare for heat events level (towns with York population +/- 25%).
- Identify audiences and sub-groups for special information (vulnerable populations, seasonal workers, seasonal residents, etc.).
- Develop user-friendly graphics and information for dissemination.
- Convey information about emergency management activities and climate information in many different formats, and in multiple languages as appropriate for different communities to ensure equitable distribution.
- Create a streamlined information and communication system to allow Town to get timely information from sources. Use newsletters, social media, partnerships with major employers and nonprofits, etc., to target various audiences.
- Create a working group of local tourism organizations, businesses, nonprofits, and health organizations to assist in disseminating information in a timely manner.
- Educate the local community and businesses on availability of air quality phone Apps and sources for other climate-related health notices and updates.
- Develop an ongoing check-in to catalogue state and local funding sources for this effort.

### Goal 7.2

**Ensure public awareness of climate-related illnesses and health impacts.**

#### **Recommended Actions**

- Work with Coordinated Climate and Health Response Team to determine important information to convey to public.
- Recognize potential language and cultural barriers in vulnerable populations to ensure messaging is accessible and relevant
- Partner with existing networks to reach vulnerable populations and solicit input on challenges and barriers that they experience, as well as input on potential solutions

### Goal 7.3

**Establish a town business sustainability award or recognition program.**

#### **Recommended Actions**

- Allocate adequate budget for sufficient incentives.
- Create or support administrative structure for judging and administration.



*Creating clear leadership with professional capacity is critical to ensuring that the CAP doesn't simply remain a set of ideas. The Town of York would only be responsible for a portion of the actions necessary to implement and achieve the goals of this plan. Many other local, state, and non-profit entities will need to be involved in moving this plan from paper to action.*

### Goal 8.1

#### Ensure sufficient Town capacity to take action.

##### **Recommended Actions**

- Assess capacity needed to take action on CAP recommendations.
- Evaluate Town staff availability, roles of nonprofit, for-profit, and other public entities in sharing implementation tasks.
- Allocate funding for Town staffing and other resources (space, equipment, etc.) or for support of other entities as necessary.
- Create protocols for collecting data throughout the year to calculate annual GHG emissions changes and complete required reporting as well as a "report card" on CAP implementation.

### Goal 8.2

#### Incorporate considerations of climate risks in municipal decision making.

##### **Recommended Actions**

- Add a step to capital planning processes certifying that future climate risks have been carefully considered.
- Adopt a policy that all municipal development projects will utilize LID techniques and employ "climate design adjustments" to account for sea level rise and storm surge, extreme precipitation, and extreme heat.
- Adopt engineering practices that enhance and protect key infrastructure, using techniques such as vegetated berms, flood barriers, and elevated roadways.
- Develop a post disaster contingency plan to "build back safer and smarter" that increases resilience and reduces risk.

### Goal 8.3

#### Lead by example in all new and existing municipal buildings and relevant infrastructure projects.

##### **Recommended Actions**

- Strengthen the energy efficiency standards for all buildings that use public funds.
- Buy-in by local government.
- Improved cost-effectiveness of high-efficient HVAC and lighting equipment/systems and building materials.
- Incorporate cooling locations in public locations and as part of public facilities improvements.

### Goal 8.4

#### Educate local communities and businesses on climate change and the CAP.

##### **Recommended Actions**

- Create a centralized committee or compensated position with responsibility for developing information, programs and materials to educate various audiences within York.

# Key Findings and Priorities

- This CAP comes at a timely moment. Federal and state funding, as well as technical assistance and programs are all coming on line. York will need to be ready to take advantage of these opportunities.
- Collaboration will be key to success. Many existing groups, committees, and organizations in the town, region, and across the state have the potential to contribute to York's CAP activities.
- Implementation of this CAP will take capacity and collaboration. Capacity, in the form of people and resources, is needed to coordinate actions, identify and pursue funding and financing opportunities, and to assess and report on the implementation of the CAP.

## Priorities to Protect York from Climate Change Impacts and Meet GHG Emissions Reduction Commitments

### Key Goals for Preparation and Protection

Preparation and protection efforts should be focused where the town is the most vulnerable:

1. The Town's tax base and property values are vulnerable to sea level rise and flooding. Considerations of infrastructure enhancements to protect assets from sea level rise or adapt structures should be a high priority. (Goal 2.1)
2. York's transportation system is particularly prone to impacts from flooding. There is the possibility that entire neighborhoods and sections of town could be stranded for extended periods of time. Take steps to protect critical assets and other structures that will be impacted. (Goal 2.1)
3. York could experience a multiday heat crisis or prolonged power outage during the summer. Older adults are particularly prone to heat-related illnesses. Create a Coordinated Climate and Health Response Team to address climate health and disaster risks in the community. (Goals 7.1 – 7.2)
4. Natural resources will be key to York's climate success – both in terms of continuing to store carbon as well as providing areas for absorption of excess stormwater, migration of the beaches and marshes, maintaining water quality and resources, and continuing to provide habitat for native species of plants and animals. Where feasible, permanently conserve these resources for climate resilience. (Goals 4.1 – 4.3)

### Key Goals for GHG Emissions Reduction

The majority of GHG emissions in York are tied to buildings and transportation.

1. Substantially reduce the overall emissions from the building sector over the next eight years. (Goals 1.1 – 1.4)
2. Promote electric vehicles and facilitate charging infrastructure, as well as other policies to reduce vehicle miles traveled. (Goals 5.1 – 5.5)

# Interim Implementation Committee and Moving Forward

Success in achieving the 25 goals of this report and making early headway on priorities will depend on proactive leadership with authority, accountability, and adequate funding. An entity external to Town government will be necessary to:

- Oversee the implementation of the recommendations.
- Coordinate the various stakeholder actions.
- Monitor success.
- Provide public education and communications services.

## The Highest Immediate Priority for the Town is to Form an Interim Implementation Committee.

There are a number of ways an Interim Implementation Committee (IIC) entity could be established and organized. Once the CAP is approved by the voters an IIC should be chartered by the Selectboard to identify the ideal entity to implement the CAP and return with a recommendation as to the nature of that entity, no later than the end of the year, 2022.

### Endnotes

- 1 Global Covenant of Mayors for Climate and Energy, Commitment of Town of York, Maine, signed 7/29/19 by Steve Burns, Town Manager.
- 2 Slovinsky (2020, unpublished). Maine Climate Council Scientific and Technical Subcommittee, Scientific Assessment of Climate Change and Its Effects in Maine, 131
- 3 rbouvier Consulting, Economic Analysis of SLR: Kennebunk, Wells, and York, 2020, 20.
- 4 <https://maps.coastalresilience.org/maine/>
- 5 Maines-Climate-Future-2020-Update-3.pdf (umaine.edu)
- 6 2019 five-year American Community Survey.
- 7 One Climate Future 2020 Update



**Success in achieving the 25 goals of this plan and making early headway on priorities will depend on proactive leadership with authority, accountability, and adequate capacity.**