



**Public Works and Utilities
Quarterly Report
Second Quarter 2023**

Please accept this as the quarterly report for the Public Works and Utilities Departments.

Commendable Achievements:

- 4 Town employees are continuing their OSHA, FEMA, & VRSA training.
- Adam Mullins has obtained his certification to be an OSHA Safety Training Officer.
- Wayne Twomey, Brandon Wagoner, Warren Stringfellow, Bruce Sanford, and Seth Cannonfield acquired their certificates for DEQ's Responsible Land Disturber Certificates.
- Paul Ashby and Chris Willer received the 2nd annual Richard R. Wines Awards for excellence and leadership in the Public Works Dept. and Utilities Dept.
- We participated in the planning, designing, and implementing a traffic pattern that assisted in keeping all participants safe for the Town Limits Fireworks Event.
- Our Stormwater Team excelled in training this past month as well.
- Dina Hermoso completed PMI Project Management training as well as the following:
DEQ Training:
 - DEQ Plants 2.0
 - DEQ Soil Amendments for Inspectors
 - DEQ Photography for Inspectors
 - DEQ Overview of Wetlands for ESC and SW Professionals
 - DEQ Stormwater BMP – Bioretention
 - DEQ Stormwater BMP - Constructed Wetlands

Public Works:

- Mayor Nevill proclaimed May 21– 27 as Public Works & Utilities Appreciation Week. To kick it off, Public Works & Utilities planned and arranged the second annual Touch A Truck Event with cooperation from Parks and Rec., Police Dept.,

and the Volunteer Fire Dept. The May 12th event was enjoyed by employees and over 500 attendees.



- The concrete island from the rear of Town Hall was removed, then finished with asphalt.



- Public Works participated in Arbor Day and planted a tree on West Lee Street.



- The Street crew milled and replaced the asphalt on Falmouth Street close to Kingsbridge Court. This project used approximately 100 tons of asphalt. Then overseen the contractors' replacement of some of the hazardous sidewalks.

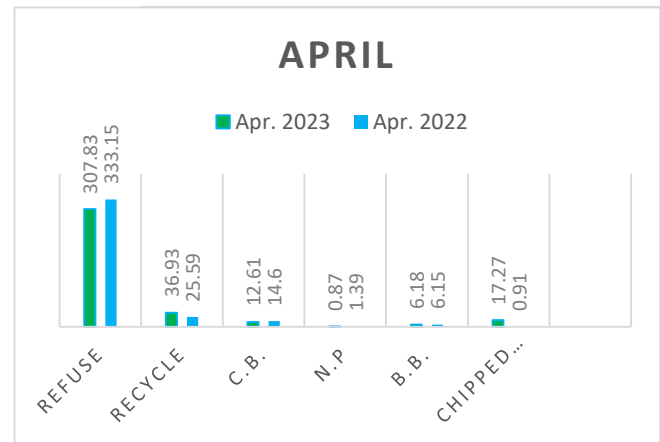
Walkability Study:

- Public Works staff installed three-way and four-way stops located at Ashby St., Waterloo, Chestnut Streets and also by Warrenton Middle School.
- Public Works staff replaced the retaining wall and installed a new sidewalk on South 4th. Street.

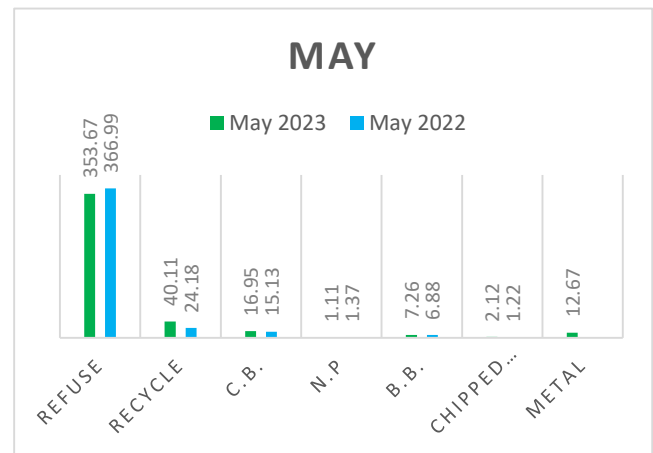


**Refuse and Recycling tonnages :
2ND. QTR. OF 2023**

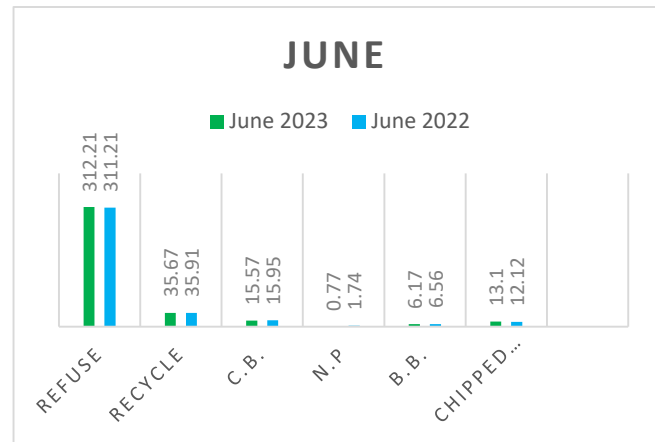
	Apr. 2023	Apr. 2022
Refuse	307.83	333.15
Recycle	36.93	25.59
C.B.	12.61	14.6
N.P	0.87	1.39
B.B.	6.18	6.15
Chipped Brush	17.27	0.91



	May 2023	May 2022
Refuse	353.67	366.99
Recycle	40.11	24.18
C.B.	16.95	15.13
N.P	1.11	1.37
B.B.	7.26	6.88
Chipped Brush	2.12	1.22
Metal	12.67	



	June 2023	June 2022
Refuse	312.21	311.21
Recycle	35.67	35.91
C.B.	15.57	15.95
N.P	0.77	1.74
B.B.	6.17	6.56
Chipped Brush	13.1	12.12



Public Utilities:

- Town staff completed the 1st. annual fire hydrant flushing for the year.
- 1 New service lines installed.
- 3 Main lines repaired.
- 1 Sanitary sewer lines Installed 0 Repaired. Total of 0 Feet.
- Crew Removed a large tree from the Right of Way in Warrenton Lakes.
- Installed automatic flushers in problematic areas. This is part of our maintenance program.
- Assisted with storm drainage cleaning.
- Assisted with the fin the automated water filling station on Bingham Road.
- Received many deliveries of materials for the Broadview Betterment Project.

Meter Dept:

- 2 Meter installed. 7 Meters replaced. 106 Read & Transfer
- 9 Water connections issued.
- 102 Water cut-ons/off. 66 Non Payment 36 Repairs/Non-Use
- 13 Meter registers replaced.
- 12 Meter Boxes/Lids Repaired/Uncovered

Taps Committed & Available for Sale:

(Based on the December 2002 Capacity and Growth Evaluation, Performed by Whitmans & Requardt & Associates)

Residential:	Apr.	May	June
In-Town Water	<u>818.5</u>	<u>818.5</u>	<u>818.5</u>
In Town Sewer	<u>705</u>	<u>705</u>	<u>705</u>

Out of Town Water	<u>269</u>	<u>269</u>	<u>269</u>
Out of Town Sewer	<u>276</u>	<u>276</u>	<u>276</u>

***Taps Committed for St. Leonards Farm – Water & Sewer

Approved: 45 Quantity Purchased to date: 0 Quantity available: 45

***Taps Committed for Fletcherville - Sewer Only

Approved: 44 Quantity Purchased to date: 42 Quantity available: 2

***Taps Committed for Millfield – Water & Sewer

Approved: 42 Quantity Purchased to date: 41 Quantity available: 1

***Taps Committed for Whites Mill – Water & Sewer

Approved: 161 Quantity Purchased to date: 158 Quantity available: 1

Commercial:	Apr.	May	June
In-Town Water	<u>348</u>	<u>348</u>	<u>348</u>
In Town Sewer	<u>362</u>	<u>362</u>	<u>362</u>
Out of Town Water	<u>16</u>	<u>16</u>	<u>15</u>
Out of Town Sewer	<u>16</u>	<u>16</u>	<u>15</u>

Misc. Taps Committed to Out of Town from the Town/County master water & sewer agreement:

Water Approved: <u>217</u>	Purchased: <u>139</u>	Available: <u>78</u>
Sewer Approved: <u>250</u>	Purchased: <u>111.5</u>	Available: <u>138.5</u>

Water Treatment Plant:

April

May

June

Total gallons pumped (All Sources):	<u>35,451,371</u>	<u>38,205,647</u>	<u>34,337,644</u>
Average gallons per day:	<u>1,181,712</u>	<u>1,232,440</u>	<u>1,107,666</u>
Total gals. pumped same month last year:	<u>32,921,591</u>	<u>34,122,808</u>	<u>33,324,161</u>
Average gallons per day:	<u>1,097,386</u>	<u>1,100,736</u>	<u>1,074,973</u>

Wastewater Treatment Plant:

Total gals. flow through the sewage plant:	<u>47,530,000</u>	<u>48,420,000</u>	<u>42,110,000</u>
Average gallons per day:	<u>1,584,333</u>	<u>1,561,935</u>	<u>1,358,387</u>
Total gals. flow during the same month last year:	<u>53,700,000</u>	<u>57,740,000</u>	<u>49,540,000</u>
Average gallons per day:	<u>1,790,000</u>	<u>1,862,581</u>	<u>1,598,065</u>
Total inches rainfall:	<u>4</u>	<u>2.5</u>	<u>2.5</u>

Stormwater (SW)

Community Outreach:

- **Stream Clean-Up on April 19th, 2023:** Walker Dr. area, from Academy Hill Extended to Benner Dr. - Saint James Episcopal School Volunteers.



- **Stream Clean-Up on May 12th, 2023:** Chick-Fil-A area, from Winchester St. to Branch Dr. – Charlie and Friends Volunteers.



- 2023 Annual Stormwater Poster Contest winners awarded:** The ceremony will be on July 18th, 2023. The Mayor and the Town Manager will present a certificate, a letter of recognition to the winners, and swag bags to the winners. The posters will be displayed on banners and media throughout the Town and the County.



3rd Grade



4th Grade



5th Grade

MS4 Program:

- **Chesapeake Bay TMDL Action Plan 2018-2023 Amendment:** Staff identified new methodologies to reduce second-cycle pollutants. These strategies are:
 - Lower Threshold of Compliance: ESC Program (TP, TN, TSS reductions)
 - Wastewater Treatment Plant credits cumulative (TSS reductions)
 - Storm Drain and Culvert Cleaning (TP, TN, TSS reductions).
- **Storm Drain and Culvert Cleaning Program:** PW&U staff performed culvert cleaning activities (Lee Hwy. and Blackwell Rd.) and removed more than 75,000 lbs. of wet material.

Engineering & Project Status:

Site Plans/Permits Support and Reviews:

- Steeplechase Manor 361 Roebling St - As-Built
- Fields of Dakota - As-Built
- Washington Street - As-Built
- Fauquier Medical Office Building - As-Built
- 165 Green Street - Bond
- Washington Street – Bond
- Oak Street Subdivision – SDP
- Michaels Warrenton Village Center – SDP
- North Hill Lot C – SDP
- Country Chevrolet – SDP
- Oak View National Bank – SDP
- 203 Broadview- Valvoline – SDP
- Strickland Brothers Oil Change – CO
- 197-211 Broadview Avenue O'Reilly – CO
- Wal-Mart - SUP
- St. John's Catholic Church – SUP
- 0 Oak Street Lot 4 - LDP
- 0 Oak Street Lot 5 - LDP
- 228 Equestrian Dr. - LDP

Special Project Update:

- 5th Street Parking Lot Bio-Swale Project:
 - a. Bright Construction Group completed final grading and seeding to meet PW requirements.
 - b. Pending on As-built plans to be submitted.
- Garrett Street Stormwater Pond Retrofit:
 - a. Bright Construction Group completed final grading and seeding to meet PW requirements.
 - b. As-built plans ready for signature set.
- Stream Restoration, Tributary to Cedar Run (Hampton Creek):
 - a. Awaiting the final survey plats to finalize easement agreements.

Staff Training:

- DEQ Overview of Wetlands for ESC and SWM Professionals: Paul Bernard, Dina Hermoso.
- DEQ Photography for Inspectors: Paul Bernard, Dina Hermoso.
- DEQ Plants: Paul Bernard, Dina Hermoso.
- DEQ Soil Amendments for Inspectors: Paul Bernard, Dina Hermoso.
- DEQ Stormwater BMP – Bioretention: Dina Hermoso.
- DEQ Stormwater BMP - Constructed Wetlands: Dina Hermoso.
- VWEA Stormwater Seminar: Paul Bernard.
- PMI Project Management Professional Course: Dina Hermoso.