



NHWWA
NH WATER WORKS ASSOCIATION

Journal

Volume 1, Spring 2024



Shining the spotlight on small systems and the advanced treatment methods they are employing. NHWWA Young Professionals hosted a Treat and Meet at the Locke Lake Treatment Facility in Barnstead in March.

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JOURNAL

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For a complete list of our events please visit our website at nhwwa.org.

About the Cover: Locke Lake is a community water system located in Barnstead, NH with approximately 830 service connections. The Locke Lake treatment station houses both a groundwater treatment system and a surface water treatment system. The original ground water system is supplied by 7 bedrock wells located throughout the development. In 2020 a new surface water system was installed as a supplemental source of supply. The WesTech AltaPac 6 ultrafiltration skid treats water from Webster Stream using membranes, one of only two systems of its kind in the State. This system was designed by Pennichuck Water and constructed by Scherbon Consolidated Inc. It was the first new surface water withdrawal permitted in New Hampshire in over 30 years.

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NHWWA 2023 Annual Report

By Sam Currier, NHWWA PCEO

2023 was another solid year for NHWWA. We hit all of our marks and came in almost even for 2023's year end. As a 501.C.3 Non-Profit our goal is to budget exactly what we need to use throughout the year. That does not mean though, that we cannot build a reserve. If 2020 showed us anything, it showed us all that everything can be vulnerable. Coming out of the covid era we see the constant inflation of materials across the board in and out of our water works realm. The best foot forward is the direction NHWWA is going, to work on rebuilding our reserve for the future of our association.

On March 14th we held our virtual annual meeting with all the Board and the committee chairs who outlined 2023 and delivered a quick look at the road map for 2024. This annual meeting is held every year at the end of March. Our goal for 2025 will be having this event in person.

Mid- 2023 we transitioned to me taking over the PCEO position at NHWWA. Thanks to my predecessor, Boyd Smith, for creating a detailed plan to make the transition as smooth as possible.

Other things we were able to accomplish in 2023 include:

- ◆ Held a successful NH Drinking Water Expo in October.
- ◆ Reworked and revamped Grade 2 Treatment Exam Prep Course
- ◆ Held our second annual Diversity in Water Technical Symposium
- ◆ As an Association, we pushed out 4,675 Contact hours to Water Works Operators
- ◆ Our YP's once again hosted the annual softball game against NHWPCA, followed by the Fisher Cats Outing. They also held a cornhole tournament alongside the NEWWA YP's,. They also developed a strategy to hold regular Treat and Meets all across

NH. The YP's held a record setting Treat and Meet in Manchester in November!

We will continue to work closely with our partners at NHDES. We do this to share information about operational, financial and regulatory topics that keep us here in NH above the rest of the national performance curve.

FINANCE

I think we did exactly what we set out to do by bringing our members the best bang for their buck. We bring a great deal of credits to the water works operators of NH by supplying them with multiple trainings for grades 1 through 4 in both treatment and distribution. The first pie chart shows the breakdown of NHWWA gross profit figures.

The second chart shows our association's total expenses. This past year we fell short, not getting out as many courses as we did in years past. Both charts look very similar to years past although we need to note that we didn't hold some courses we historically had scheduled. This year (2024) we plan to bring back:

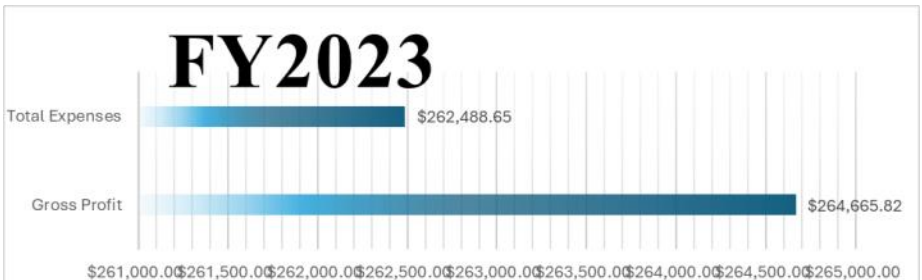
- ◆ Advance Distribution Course
- ◆ Large system operator roundtables
- ◆ (2) Septic Designers and Installers Courses (No course in 2023)

Gross Profit \$264,665.82

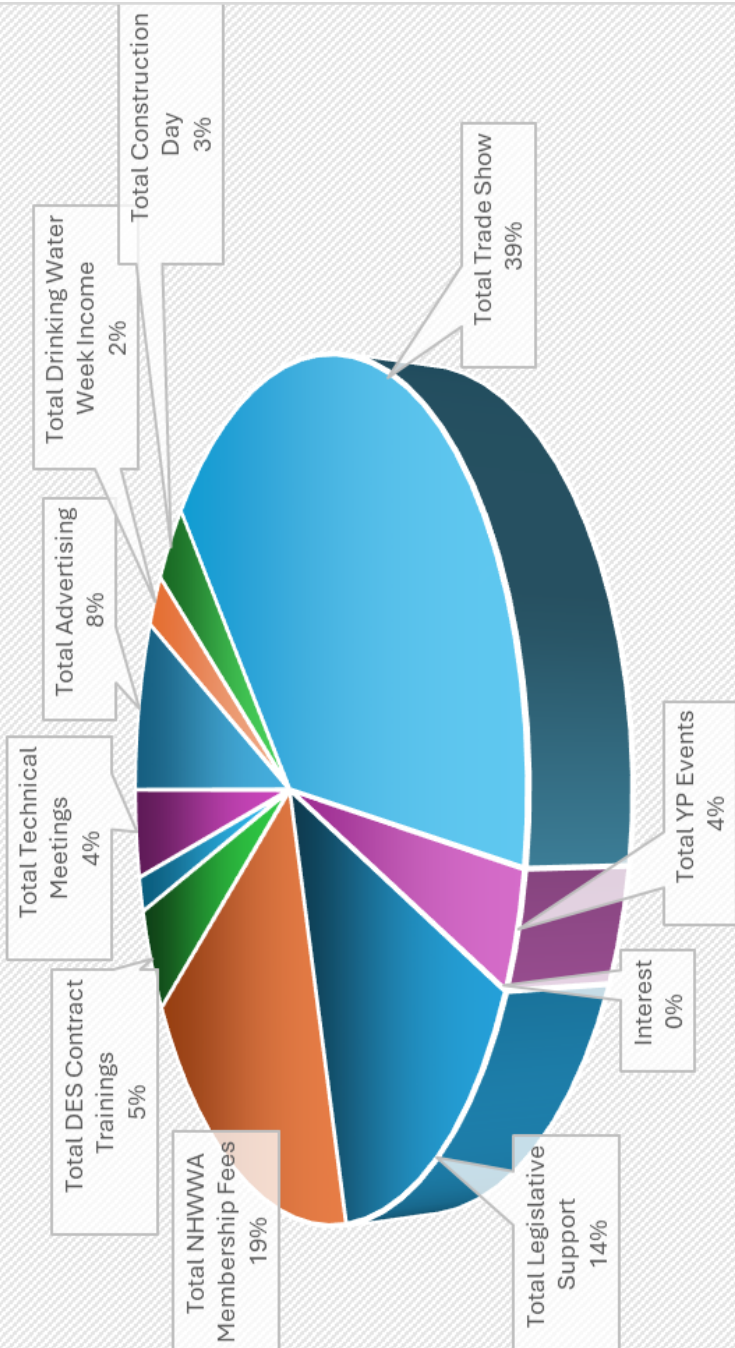
Total Expenses \$262,488.65

Net Income \$2,177.17

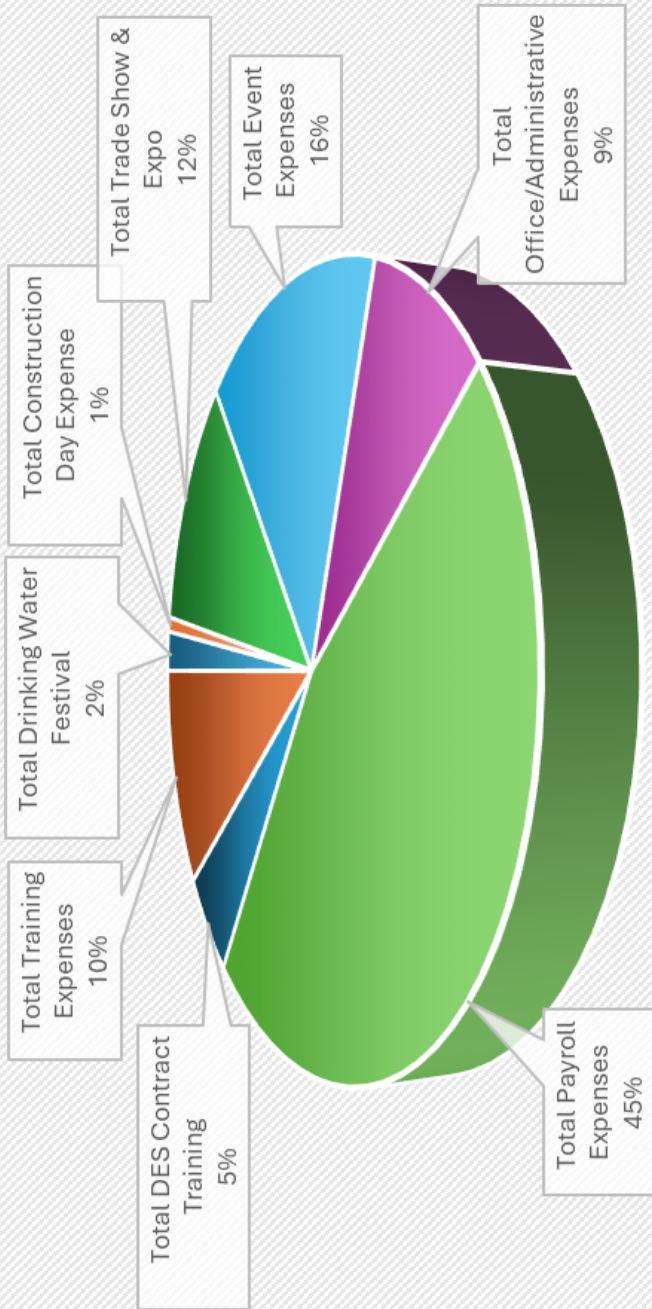
Please note there was a small overlap with myself and Boyd (Past President) in 2023's payroll expenses.



Total Profit Jan - Dec 2023



Total Expenses Jan - Dec 2023



The term “rebuild” may not be the best term to use but that’s exactly what I would like to do to ensure the stability of NHWWA’s future. As we are now, we are not at risk but at the end of 2023 we had less than 4 months of operating budget in reserve. Some of the ways we intend to build a reserve are simple and shouldn’t break the wallet of our membership. The board approved the opening of a CD with an APY of 5% through 6 months. Another thing we changed financially is that we removed the idea of having a second checking account being our reserved funds account. With the help of the finance committee, I opened a high interest money market savings account which moved funds from our .001% interest account to a .03% savings account.

Over 4600 credits were given out in 2023 which is down from 2022 but we know that by 2024 we can easily beat that. Be on the lookout for extra one-day trainings to help operators with the added summer state testing date. These one-day refreshers will help by providing that boost to an operator who may have struggled in the spring. I am excited to see what we can do for 2024 and happy to be here working with all of you to make all these things possible for NHWWA.

2024 PRIORITY GOALS

Hard to believe it has been three years already since our Association changed its normal format and adopted the bylaws we now hold. In section 8 of our bylaws, it states “These Bylaws shall be reviewed by the Board at least every three (3) years”. The board and I will carry out this review as we go through the bylaws and make sure that they are correct and pertain to our mission. During 2024, we will continue to grow and rebuild our reserve funding as we continue the successes that got us where we are today. We will stay mission focused as we continue to deliver the best product to our membership. Some of our key priorities are detailed below:

Workforce Development

- ◆ Continue to help create career paths that provide entry points for new operators from various walks of life (high schools, colleges, mid-career change, and veterans).
- ◆ Communicate opportunities and spread the word throughout NH that water works careers are obtainable and increase the numbers of applicants into the water profession.

- ◆ We are continuing our efforts working alongside of NEWWA-led regional “Work for Water!” initiative.

Communications

- ◆ NHWWA wants to provide multiple tools to owners and operators, engineers and lab specialists, and all careers in the Water Works industry. These tools would be in the form of flyers and educational material that shares the knowledge, awareness, and better understanding of our industry with the community you serve.
- ◆ NHWWA also has created a network of well-developed top-notch water operators and lead engineers that are more than willing to help and answer any questions needed by others in the Water Works industry.
- ◆ The YP Social Media team is already underway creating and developing flyers and brochures curated by the Student Outreach Committee to present to trade/tech schools across NH.

Association Initiative

- ◆ Increasing Revenue through new initiatives and successful existing strategies. These will have the ability to meet our growing need for the water sector while providing us with a solid foundation for our future.
- ◆ Through the reviewed bylaws and the continued work through our strategic plan, the board and I continue to grow and develop the best way to build leadership through the current top operators that have always been willing to volunteer their time and to grow and mold the next generation.
- ◆ The President/CEO (myself) needs to be fully engaged in the water sector and to continue to develop the relationships needed across our Association’s membership, leaders and future leadership at NHDES, the ever changing State of NH elected officials, and our four federal delegates.

The NHWWA Board and Staff as always, are greatly appreciative of you and everything you do for the New Hampshire Water Works Association. More importantly your service to public health and the

future of your State and community that you serve willingly, non-stop, year-round, is unmatched. As an operator I know how grueling it is at times, being called out at night, enduring the elements, working through local budgeting issues, reworking future CIP plans, and still have the desire to commit to these and many more challenges. You don't get thanked enough. I see you hold your head high with integrity and professionalism, all while volunteering your time and helping others in the industry to grow. You share your knowledge with the community you serve and help me learn more about what our Association can do to make everyone's experience better.

The Board and I want to say THANK YOU!



Save-the-Date for this year's Expo, October 24 at the Grappone Center in Concord. We look forward to seeing you there!

Chris Countie Awarded the 2023 Meritorious Achievement Award

The Meritorious Achievement Award was presented to Chris Countie in January at the NHHWA and NEWWA joint meeting. This award goes to a member who has provided outstanding service to a water utility or the drinking water community through diligence, innovation, leadership, or just plain hard work. The recipient of the NHHWA Meritorious Achievement Award is recognized in front of 40+ of their peers for their accomplishments. Chris has been active in NHHWA and NEWWA. He recently served on our board helping through a period of restructuring and bylaws review.

There are over 1800 people with some sort of water operator license in NH but only 60 of them are grade 4's, 37 treatment and 23 distribution. Chris holds both! Along with multiple degrees from UNH including Business Administration and Civil Engineering degrees. Chris has been able to achieve a Grade 4 treatment and distribution operator license in both NH and Mass. He has gone above and beyond, meeting and achieving goals in and out the water works industry.

This being my first opportunity to present this award, I couldn't be more excited to give it to someone I have looked up to and learned so much from as I grew and developed as a water operator. This year's award winner is someone who has been in the industry for over 30 plus years. Mr. Countie has spent all that time with the same company. Starting as a class 1 utility Tech and now as Pennichuck's Operations Director, as of January 1st 2024.

It takes a special person to dedicate his life to one company, to one profession, to just one industry. We are all lucky he chose water works as his passion I am lucky enough to now call him a friend. - Sam Currier



Chris Countie (c) with NHHWA Chair of the Board Chris Berg (l) and NHHWA President and CEO Sam Currier (r).

Trish Kelliher Receives NHHWA Young Professional of the Year Award for 2023

Trish Kelliher was awarded the 2023 YP of the Year at this January's NHHWA/NEWWA Joint Meeting. Trish's multiple nominators described her as, "a mentor to so many water professionals, both directly and indirectly," "the definition of outstanding," "one of those people who makes everyone feel welcome into our water community," and "a born leader who always goes the extra mile."



Trish Kelliher (l) with NHHWA YP Committee Chair Sarah Jakositz.

Trish is a graduate of UMass Amherst where she studied civil and environmental engineering and was actively involved in Engineers without Borders, the American Society of Civil Engineers, and the UMass Dance Team. Starting while she was still a student, Trish made time for her passions, becoming a New England Patriots Cheerleader - a position she maintained for three years while simultaneously starting her career in the water industry. Even after "retiring" from cheerleading, Trish worked with Science Cheerleaders and promoted STEM to Pop Warner Cheerleaders.

Trish knew she wanted a career in water after travelling to Kenya in 2009 with UMass Engineers Without Borders. Now a Senior Principal Engineer with Hazen, Trish has an impressive resume with experience in capital planning, asset management, condition assessment, hydraulic modeling, permitting, design, bidding, and construction administration.

Trish recently concluded her term as Chair of the NHHWA YP Committee which she has held since the committee's inception in 2019. Trish's vision as Chair, her passion for the industry, and her ability as a leader shaped the YP Committee from nonexistent to the successful group that it is today.

Congratulations to Trish Kelliher for this outstanding achievement, and thank you for all you do for the water industry!

Water Works Operator Certifications in 2023

The following water operators were newly certified or upgraded in New Hampshire in 2023. CONGRATULATIONS OPERATORS!

LICENSED OPERATOR		TREATMENT GRADE	DISTRIBUTION GRADE
ALBERTO	CHRISTOPHER	I	
ARIZMENDI	KAYLEE	C1A	C1A
ATWELL	IAN	C1A	C1A
BAILEY	BRADLEY	I	I
BARTOLI	CRAIG	II	III
BAXTER	NICHOLAS	I	I
BERTOLAMI	MATTHEW	I	I
BOUVIER	JEREMY	IV	
BOWEN	KEVIN	C1A	C1A
BOWLER	BRIAN	I	
BOYNTON	ADAM	III	I
BRACKETT	JOSEPH	C1A	C1A
BRANCH	JOSEPH	II	II
BRAUTOVICH	RYAN	C1A	C1A
BROCK	STEVE	II	II
BROWN	VINCENT	I	CIA
BROWN	DERICK	I	
BUCKNER	JOANNE	I	I
BUTLER	WILLIAM	C1A	C1A
CARLSON	ERIK	C1A	C1A
CIABURRI	JOHN	II	I
COBIS	BRENDA	C1A	C1A
COTE	JEFFREY	I	I
CROSBIE	JOHN	I	
CROWLEY	ADAM	C1A	C1A
CUSSON	SPENCER	I	I
DAY	MATTHEW	IV	
DEAL	KENNETH	II	III
DEGROOT	DAN	C1A	C1A
DESCHAMPS	BRIAN	I	I
DOMINGUES	NATHAN	II	I
DOYLE	DANIEL	C1A	C1A
DUFOUR	JOSEPH	C1A	C1A

LICENSED OPERATOR		TREATMENT GRADE	DISTRIBUTION GRADE
ELDRIDGE	MICHAEL	C1A	C1A
ELLIS	TIMOTHY	II	I
FISKE	JASON	C1A	C1A
FOUND	MATTHEW	C1A	C1A
FOURNIER	STEPHEN	I	
FOX	EMILY	C1A	C1A
FREDRICKSON	DAVID	III	III
FRIEND-GRAY	ELI	C1A	C1A
GAYLORD	DAVID	C1A	C1A
GILMORE	SCOTT	C1A	C1A
GIROUARD	ARMAND	C1A	C1A
GRUDZIEN	ELLEN	C1A	C1A
GUYOTTE	DAVID	I	I
HAASE	COLIN	I	I
HENRY	MATTHEW	I	
HOLMES	MATTHEW	IV	
IBEY	DANIEL	C1A	C1A
JAREST	JAMIE	II	II
JAREST	TIMOTHY	I	
JEACOPELLO	JOHN	II	II
JONES	TANYA	C1A	C1A
JONES	TYLER	II	II
KEENAN	SHANE	I	I
KILEY HUBBARD	BRIDGET	I	
KING	JEREMIAH	C1A	C1A
KING	BERT	I	I
KIRSCH	LUCAS	C1A	C1A
KITTLE	JARED	C1A	C1A
LIMRIC	NATHAN	I	I
LOMASNEY	BRANDON	C1A	C1A
LUCIER	NICOLE	C1A	C1A
MADORE	JACOB	I	I
MAINS	CHRISTOPHER	II	II
MERRIAM	BART	I	II
MESSIER	ERIC	III	II
MINER III	RONALD	I	I
MITCHELL	MARIAH	C1A	C1A
MONTGOMERY	PETER	C1A	C1A
MOREEN	JOSHUA	C1A	C1A

LICENSED OPERATOR		TREATMENT GRADE	DISTRIBUTION
MORSE	WILLIAM	C1A	C1A
NEVILLE	RYAN	III	I
NICHOLSON	WILLIAM	C1A	C1A
NORRIS	MATTHEW	II	III
NUGENT	PAUL	C1A	C1A
PEDRO	ELIZABETH	I	I
PERKINS	SCOTT	C1A	C1A
PERRY	DANIEL	II	C1A
PIERCE	DERRICK	C1A	C1A
PLANTE	MATTHEW	C1A	C1A
POWELL	RICHARD	C1A	C1A
RAMDIN	LARRY	I	
ROBERTS	JOSEPH	C1A	C1A
SAUSVILLE	PHILIP	III	II
SCHAG	CALEB	II	
SCULLY	CAMERON	C1A	C1A
SEVERANCE	HAYLEY	C1A	C1A
SHAHEEN	ANDREW	I	I
SHEA	ANTHONY	II	II
SMITH	JOSHUA	C1A	C1A
SMITH	JASON	I	I
STEAGALD	DANIEL	III	III
TARR	ANDREW	C1A	C1A
THIBAUT	MICHAEL	I	I
TUCKER	DYLAN	I	II
ULMAN	WYATT	I	I
WATERHOUSE	TRACY	I	I
WATERS	ERIN	C1A	C1A
WEEKS	TREVOR	I	I
WOOD	ROBERT	III	III

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Lead and Copper Rule Revision Updates and What's Next

History of EPA's Lead and Copper Rule Revision (LCRR)

The Lead and Copper Rule (LCR) is the National Primary Drinking Water Regulation first promulgated in 1991 that requires actions by public water systems to reduce levels of lead and copper in drinking water. On January 15, 2021, the EPA promulgated the Lead and Copper Rule Revisions (LCRR), and the deadline for water systems to comply with these revised requirements is October 16, 2024. LCRR requires all community and non-transient non-community water systems to submit to their state agency an initial service line inventory for all service lines and a replacement plan for all service lines that are classified as lead, galvanized requiring replacement (GRR) or unknown. On December 6, 2023, EPA published the proposed Lead and Copper Rule Improvements (LCRI) that, when final, will significantly reduce exposure to lead through drinking water. EPA plans to finalize LCRI prior to the LCRR compliance date of October 16, 2024.

Requirements from the LCRR seemed very overwhelming when first put out to the water industry, but with the help from NHDES and constant focus from many of their staff has been focused on getting water works operators in the best position to succeed. One of the most important and most daunting tasks of these new revisions is this Lead Service Inventory. Again all community and non-transient, non-community water systems are required to create an inventory of their service lines throughout their distribution systems. Then Replace All of THEM!!! These inventories have deadlines as well and many systems are well behind the ball trying to catch up. Remember we need all this inventory finished and reported to **NHDES by the federal deadline of October 16, 2024.**

Homeowner Engagement

Homeowner engagement is key for every system's future success. Some of the best ways to get this information out to your communities has already been created by NH department of Environmental Services. [Lead FAQs | NH Department of Environmental Services](#) and

the [LCRR Information Homeowner Packet](#) are the two best places to start when showing homeowners frequently asked questions answered by the state of NH. Other public information and good tools for your community is the EPA and NHDES Protect Your Tap: 10-minute Lead Test, an online guide that walks homeowners through a series of steps to see if they have lead pipes bringing water into their home, how to reduce their exposure to lead and how to get their water tested. The [Protect Your Tap website](#) is also [available in Spanish](#). These tools and publications are the keys to your system's success for having what almost seems like an impossible task, become an easier experience for you the operator and the consumer. When you look good your system looks good which makes your community look good!

The best information you may want to take a read through is the revised Lead and Copper Rule that was published January 15th, 2021, and extended out to December, 2021 for public comment. To become more familiar with this section of rule changes [Revised Lead and Copper Rule on the Way | NH Department of Environmental Services](#) is the best way to quickly familiarize yourself to the changes made from the original 1991 rule. All this information is available by simply searching for NHDES lead and copper which will take you straight to [Lead and Copper | NH Department of Environmental Services](#) website.

How to scratch test:

- First, locate the water meter for your home.
- Check the color of your pipes.
- Scratch with a key, coin, or a screw, scratch both pipes (do this carefully). ...
- Check for softness.
- The final step in the at-home lead pipe check is to gently press your fingernail against the pipe.
- Flush before drinking ...
- Take picture of the test and pipe and share the test results to your water system.



Concord, NH Website Addressing Lead Pipes

In Concord, there are approximately 12,000 service connections. The City is aware of the material used for the City water service lines and has records for most of them and most of the private water service lines that are maintained by property owners. Concord has been ahead of the game in comparison to most systems in NH by having a rigorous inventory and asset management program for years. Concord has made a web page dedicated to the LCRR and explains everything for homeowners and created a self-reporting form for homeowners to do themselves and submit to Concord. Find Concord's Web page here: [Water Service Lines | Concord, NH - Official Website \(concordnh.gov\)](https://www.concordnh.gov/water-service-lines)


Protect Your Tap

Protect your tap tool is an EPA guideline that you as an operator or a homeowner can use as a self-guided lead identifier. This tool asks you step by step and will hold your hand and walk anyone through “Do you have a lead service?” its very simple and can be found on the NHDES website or go to [Protect Your Tap: A Quick Check for Lead | US EPA](#). This tool has English and Spanish language options and is really aimed to make it as easy as possible to find the dangers a homeowner may have with a lead service.

Funding Opportunities

NHDES and the EPA know how much of a daunting task this lead service inventory and replacement will be. According to the EPA website: There are still an estimated 9.2 million lead service lines in cities and towns across the country, many of which are in low-income neighborhoods and communities of color. [The Bipartisan Infrastructure Law](#) will deliver resources to remove these lead pipes, in line with President Biden’s goal of removing 100% of lead service lines. The Bipartisan Infrastructure Law invests \$15 billion towards LSLR through the DWSRF. With this investment, 49% of funds will be provided to communities as grants or principal forgiveness loans. A state match is not required.

For a project or activity to be eligible for funding under this appropriation, it must be otherwise DWSRF eligible and be a lead service line replacement (LSLR) project or associated activity directly connected to the identification, planning, design, and replacement of lead service lines.

Through NH one of the easiest ways to find funding is to go back to the NHDES Lead and Copper site page and click on the [DWSRF LSLR Funding Flyer](#)  .

Case Study: Rochester NH

When asking Ian Rohrbacher (Superintendent of Water, Rochester NH) what success has Rochester had with the current LCRR, he replied, “Rochester began Leading the Charge toward LSL inventory and

replacement in 2016 when, in response to a memo from NHDES, we commenced an onsite evaluation for LCR compliance which included a review of field data, records, sample sites, and lead surveys.”

For over a century Rochester has maintained a comprehensive and well detailed set of tie card books and water main construction plans (over 1000+ pages) which had been diligently annotated over the years with existing, removed, and new materials whenever repairs or replacement have been made.

Ian continued explaining ways he had everyone involved, “Beginning in 2018 experienced staff began reviewing records for over 3000 of our 7000+ services based on construction date, performed visual inspections including potholing when necessary, and logged service pipe material types for both main to curb stop and curb stop to building.”

He continued adding, “After pooling institutional knowledge from distribution staff and completing field inspections and records review of all services we found no evidence of any lead service lines ever being used within our system. Brass had been preferred over galvanized pipe; goosenecks had been removed over the years as a matter of practice when streets or individual services had been replaced; and interestingly we found locations where a copper gooseneck was used instead of lead.”

When asked about where he is at today Ian stated, “As of today we have identified composition of all known services and are working to quickly replace the remaining 15 GRRs. Rochester has developed a GIS layer for public consumption, performed QA/QC against building/parcel/meter data, allocated CIP funding \$200K for replacement of services, and contracted assistance from an engineering firm for final data review and sampling plan submission to NHDES.”

Anticipated Changes from EPA’s Lead and Copper Rule Improvements (LCRI)

The Lead and Copper Rule Improvements (LCRI) builds on the LCRR and the original LCR to protect public health from the harmful effects of lead exposure. LCRI will push back the deadlines for the replacement plan and sampling plan requirements. LCRI will also lower the action level exceedance as well as require a baseline service line inventory



DRINKING WATER STATE REVOLVING FUND (DWSRF) LEAD SERVICE LINE REPLACEMENT (LSLR) FUNDING

EPA's Lead and Copper Rule Revision (LCRR) requires community (CWS) and non-transient non-community (NTNC) water systems to submit lead service line (LSL) inventories to NHDES by the federal deadline of October 16, 2024. Through the Bipartisan Infrastructure Law (BIL) Drinking Water State Revolving Loan Fund (DWSRF), funds are available for LSL replacements (LSLR). For a project or activity to be eligible for funding it must be otherwise DWSRF eligible and be a LSLR project or associated activity directly connected to the replacement of lead service lines.

Who's Eligible?

Community water systems and non-profit, non-community, non-transient water systems

Principal Forgiveness

Forgiveness is based on the water system's affordability index (water rate/median household income)

Affordability Index (AI)	
0 - 0.9	50%
1.0 - 1.4	70%
1.5 - 2.0+	100%



ELIGIBLE PROJECTS

- Complete removal of lead and galvanized service lines up to the customer meter.
- Removal of lead goosenecks, pigtails and connectors, and replacement with acceptable material.
- Replacement of curb stops and curb stop boxes that are removed as part of full LSLR
- Site restoration (landscaping, sidewalks, driveways, etc.) if the removal was necessary to replace LSL.
- Development / updating of LSLI including locating and mapping LSLs.

For more information [view DWSRF Loan Rates](#) and visit the [NHDES Lead and Copper Webpage](#).

How to Apply: [NH Online Forms System - Drinking Water Infrastructure Project: Final Application](#)
Applications are accepted any time. Questions? Contact NHDES at [\(603\) 271-2513](#) or dwsrf@des.nh.gov.

From the DWSRF Infrastructure Fund

- Complete removal of LSL or SL made of galvanized iron or galvanized steel
- Removal of lead or galvanized gooseneck, pigtails, and connectors
- Replacement of curb stops, curb stop boxes, and other SL appurtenances that are removed as part of full LSLR
- Developing or updating LSL inventories, including locating and mapping LSLs

From the DWSRF Set-Asides

- Planning and design for LSLR infrastructure projects
- Developing or updating LSL inventories, including locating and mapping LSLs
- Providing technical assistance to small PWSs undertaking LSL inventories or construction projects

DWSRF LSLR ELIGIBLE PROJECTS & ACTIVITIES

Noted in [Bipartisan Infrastructure Law SRF Memorandum](#) | US EPA Appendix D "Detailed List of DWSRF Lead Service Line Replacement Project and Activity Examples"
This list is non exhaustive of DWSRF-eligible projects and activities under BIL DWSRF LSLR Capitalization Grants.

For a project or activity to be eligible for funding under this appropriation, it must be otherwise DWSRF eligible and be a LSLR project or associated activity directly connected to the identification, planning, design, and replacement of lead service lines. Any project funded under this appropriation involving the replacement of a lead service line must replace the entire lead service line, not just a portion, unless a portion has already been replaced.

How to Apply: [NH Online Forms System - Drinking Water Infrastructure Project: Final Application](#)
Applications are accepted any time. Contact NHDES at [\(603\) 271-2513](#) or dwsrf@des.nh.gov.

which includes a few edits to the original initial inventory. For an anticipated timeline of the LCRI required items please visit <https://www.des.nh.gov/water/drinking-water/public-water-systems/lead-and-copper>. EPA plans to finalize the LCRI prior to the LCRR compliance date of October 16, 2024.

CONTRIBUTERS

Thank you to the following for their contributions to this article: Heather Baron and Stephanie Nistico, NHDES; Lauren Moylan, Pennichuck Water; Marco Philippon, City of Concord; and Ian Rohrbacher, City of Rochester.



2024

REQUIREMENTS

- Submit initial service line inventory to NHDES by October 16th! Small and medium systems working with a consultant, submittal will be done for you. Failure to do so will result in federal enforcement action by EPA.
- Issue public notice before November 15th to any property where the overall service line material classification is lead, GRR or unknown.
- If the water system's 90th percentile lead samples exceed the lead action level of 15ppb, 24-hour public notice needs to be sent out to all water customers.
- Gather all existing data that is available, (tie cards, asset management, work orders, as built records and addresses)
- Small and Medium systems, find your consultant:
<https://www.des.nh.gov/water/drinking-water/public-water-systems/lead-and-copper>
Not on the list? Contact NHDES at 603-271-5927.

RECOMMENDATIONS

- Continue working on identifying unknown service lines; review additional records, engage homeowners, potholing, etc.
- Small and Medium systems continue making progress on your service line inventory by communicating with your consultant and/or NHDES.
- If you have unknowns, lead or GRR in your inventory and think you may assistance identifying or replacing those lines, consider applying for funding through the NHDES DWSRF LSLR Loan program. Inventory activities are also eligible.



HECKLIST



2025

REQUIREMENTS

- Submit annual inventory update to NHDES by October 16th if unknowns/lead/GRR service lines are present in the inventory, or if services are added/removed.
- Issue annual public notice before November 15th to any property where the overall service line material classification is lead, GRR or unknown.

RECOMMENDATIONS

- Continue working on identifying unknown service lines; review additional records, engage homeowners, potholing, etc.
- Service Line Replacement/Identification through DWSRF LSLR Loan ongoing.

HELPFUL TIPS

- NHDES Protect your tap – a good tool for homeowners to self-identify. Note a Gmail account is needed. This tool is accessible via <https://www.des.nh.gov/water/drinking-water/public-water-systems/lead-and-copper>.

***Note all regulations and timelines are subject to change per LCRI and NHDES will communicate more information once LCRI is finalized.**

DWSRF LSLR funding is available on a first come, first served basis and an application can be submitted at any time (no pre-application is required). If you have any questions or need more information visit <https://www.des.nh.gov/water/drinking-water/public-water-systems/lead-and-copper>.



2026

REQUIREMENTS

- Submit annual inventory update to NHDES by October 16th if unknowns/lead/GRR service lines are present in the inventory, or if services are added/removed.
- Issue annual public notice before November 15th to any property where the overall service line material classification is lead, GRR or unknown.

RECOMMENDATIONS

- Replacement Plan should be drafted for all systems that have lead, GRR or unknown SLs.
- Baseline Inventory should be drafted for all community and non-transient non-community water systems.
- Continue working on identifying unknown service lines; review additional records, engage homeowners, potholing, etc.
- Service Line Replacement/Identification through DWSRF LSLR Loan ongoing.

Funding Assistance: Stephanie Nistico

Stephanie.H.Nistico@des.nh.gov 603-271-2315

Technical Assistance: Heather Baron

Heather.L.Baron@des.nh.gov 603-271-5927



CHECKLIST



2027

REQUIREMENTS

- Submit to NHDES by October 16th the following:
 - Baseline service line inventory
 - Replacement plan

- If the water system's 90th percentile lead samples exceed the lead action level of **10ppb**, 24-hour public notice must be sent out to all water customers.

- All systems begin LCRI standard six-month tap monitoring.

- Start 10-year timeline to identify of unknowns, and complete lead/GRR replacements (including customer-initiated replacements).

RECOMMENDATIONS

- Service Line Replacement/Identification through DWSRF LSLR Loan ongoing.

***Note all regulations and timelines are subject to change per LCRI and NHDES will communicate more information once LCRI is finalized.**

DWSRF LSLR funding is available on a first come, first served basis and an application can be submitted at any time (no pre-application is required). If you have any questions or need more information visit <https://www.des.nh.gov/water/drinking-water/public-water-systems/lead-and-copper>.

Consulting Services for

New Hampshire small and medium community (CWS) and non-service connections have been paired with one of four consulting deadline of October 16, 2024. Arcadis, Hazen and Sawyer, Northeast system to create and submit their service line inventory, replace

There is no cost to the water systems for this assistance.

<https://www.des.nh.gov/tabbed>

Please note newly activated or reclassified systems that are not included with LCRR as part of the design review process



As a local engineering firm, Underwood has many existing records for their assigned systems which serves as a good starting point to start developing the service line inventory. After an initial review of internal records, Underwood reached out to their assigned systems and offered a one-on-one kick-off meeting. Underwood is compiling all records to create a service line inventory, as well as an action plan outlining next steps for their water systems. Underwood can be reached at anytime by emailing ue_lsli@underwoodengineers.com or calling their hotline at (603) 436-6192.



By collecting data and records from each water system through an online portal, Hazen and Sawyer is creating a service line inventory for each of their assigned water systems. Hazen and Sawyer created two online tools to assist their systems in collecting data in real time while also providing training materials on their Hub website. In addition to the inventory, Hazen and Sawyer is also creating an action plan outlining next steps for their water systems. Hazen and Sawyer can be reached at lcrrnh@hazenandsawyer.com.

Small and Medium Systems

transient non-community (NTNC) water systems with less than 1,700 firms to assist them in complying with EPA's LCRR by the federal GIS, and Underwood Engineers are working directly with each water ment plan and sampling plan to NHDES by the federal deadline.

Check your water system's assigned consultant at:

-content/consulting-services

uded in the assigned consultants list are responsible for complying and will not be assigned a NHDES-hired consultant.



By collecting data and records from each water system through a series of two online surveys, Arcadis is creating a service line inventory for each of their assigned water systems. In addition to the inventory, Arcadis is also creating outreach materials and an action plan with next steps for their water systems and the homeowners within those communities.

Arcadis can be reached at anytime by emailing LSLIHelp@Arcadis.com or calling their hotline at 603-255-3844.



Working with only with New Hampshire's non-transient non-community water systems, Northeast GIS is developing a service line inventory by scheduling in-person visits to record the service line material and any other essential information. They will then compile all information, along with any records provided by the system, to create a service line inventory for each of their assigned water systems. For systems that have lead, GRR or unknown service line material, Northeast GIS is advising systems on their next steps.

Contact Northeast GIS at info@northeastgis.com.

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