Welcome Legislators!

2023 Water's Worth It!

Legislative Breakfast

Wednesday, March 8, 2023

7:00 AM – 9:00 AM

Enjoy your complimentary breakfast!

Agenda

- Moderator's Introductions
  - Fred McNeill, Chief Engineer, City of Manchester-EPD
- Welcoming Remarks
  - Senator Denise Ricciardi
- Congressional Greetings
- Granite State Rural Water Association with Heidi Lauricella
- NH Water Works Association with Boyd Smith
- 50 Years of Clean Water Act with Fred McNeill
- Keynote Speaker
  - Scott Spradling, The Spradling Group
- Rene Pelletier, Director, Water Division NH DES
- Questions and Answers

Clean Water Act – celebrates 50 years!

BENEFITS OF CLEAN WATER & WHY IT'S SO IMPORTANT

Wastewater is transported from your home to a **WATER RESOURCE RECOVERY FACILITY**

Solids are separated from water through **ADVANCED FILTRATION**

WATER is sent through clarifiers and natural biological treatment that consumes organic matter and cleans the water.

The **RECLAIMED WATER** is disinfected before leaving the facility.

The water is recycled safely into our lakes, rivers and oceans.

SOLIDS and organic matter are treated to capture nutrients and tested for quality.

Solids are dewatered to create **BIOSOLIDS**, a beneficial and **NUTRIENT RICH SOIL** amendment.

BIOSOLIDS are applied to **FARM** fields as a natural source of nutrients essential for healthy soil & plants.

BENEFITS OF BIOSOLIDS

- Helps keep soil healthy
- Increases crop production
- Makes farmers happy
- Naturally recycling nutrients
- Biosolids recycling is sustainable

NHWWA
NH WATER WORKS ASSOCIATION

WATER'S WORTH IT

- **Mission: To improve public water supply service in the State of New Hampshire**
- Represent 300+ public drinking water organizations and professionals
- Strategic goals:
  - **People Powered**. Recruiting, Training and Maintaining a Professional Workforce
  - **Dollars for Water**. Ensuring Federal, State and Local Capital and Operations Funding
  - **The Story of Water**. Communicating Value of Water, Career Paths, and Sound Policy
  - **NH's Water Future**. Watching the Horizon to Prepare for Change

www.NHWWA.org

Granite State Rural Water Association

WATER'S WORTH IT

Mission: Providing training and technical assistance to water and wastewater systems throughout New Hampshire

- On-site Assistance
- Training Operators

www.granitestatewater.org

NH WATER POLLUTION CONTROL ASSOCIATION

WATER'S WORTH IT

- **Mission: The NHWPCA consists of people who have collectively come together with different ideas that lead to one goal... A Cleaner Environment**
- Representing diverse backgrounds and specialties, we are all concerned and involved with protecting and enhancing our precious water resources.
- The NHWPCA serves the personnel who operate the municipal, industrial and private wastewater and collections systems across New Hampshire. The Association also serves the many consultants and vendors whose support and business is vital to the industry.

www.nhwpca.org

Thank you to our sponsors!

NEW ENGLAND WATER ENVIRONMENT ASSOCIATION
NEWEA
WORKING FOR WATER QUALITY

NHWWA
NH WATER WORKS ASSOCIATION

NH
WATER
POLLUTION
CONTROL
ASSOCIATION

GSOWA
GRANITE STATE ONSITE WASTEWATER ASSOCIATION

NHASH
New Hampshire Association of Septic Haulers

Granite State
Rural Water Association

nebra
North East Biosolids & Residuals Association

ACEC-NH
American Council of Engineering Companies of New Hampshire

NEIWPCC
CELEBRATING 75 YEARS

Thank you for joining us!

To view the video, please click the link: https://nhwpca.org/video.php?id=1

JEANNE SHAHEEN
NEW HAMPSHIRE

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WASHINGTON, DC 20510
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United States Senate

WASHINGTON, DC 20510-2906

March 8, 2023

Dear Friends,

I join you all in spirit at this year's 'Water's Worth It' Legislative Breakfast. This annual event is a great opportunity to reflect on your successes and highlight the challenges that remain in delivering clean and safe drinking water to Granite Staters. Thank you to everyone here today for all you do in support of this meaningful effort.

We all know that access to safe and clean drinking water is essential to the public health, well-being and economic vitality of our state and nation. We also know that communities face growing challenges in delivering this important public resource to countless homes and businesses. The infrastructure that supports water and wastewater treatment services is aging. Drinking water systems across the country are detecting emerging contaminants at an increasing rate. And the unpredictable weather and flooding brought on by climate change complicates your ability to manage stormwater impacts. It's a testament to the hard work you put in every day that – despite these challenges – many Granite Staters take access to safe and clean drinking water for granted.

Today's event is a reminder of the critical services you provide to communities across New Hampshire, and I'm prepared to continue to work side-by-side with you all in your efforts to improve water quality and address these critical challenges head-on.

My best wishes to you all in your future endeavors.

Sincerely,

Jeanne Shaheen

Jeanne Shaheen
United States Senator

Granite State Rural Water Association

WATER'S WORTH IT

Heidi Lauricella
Executive Director

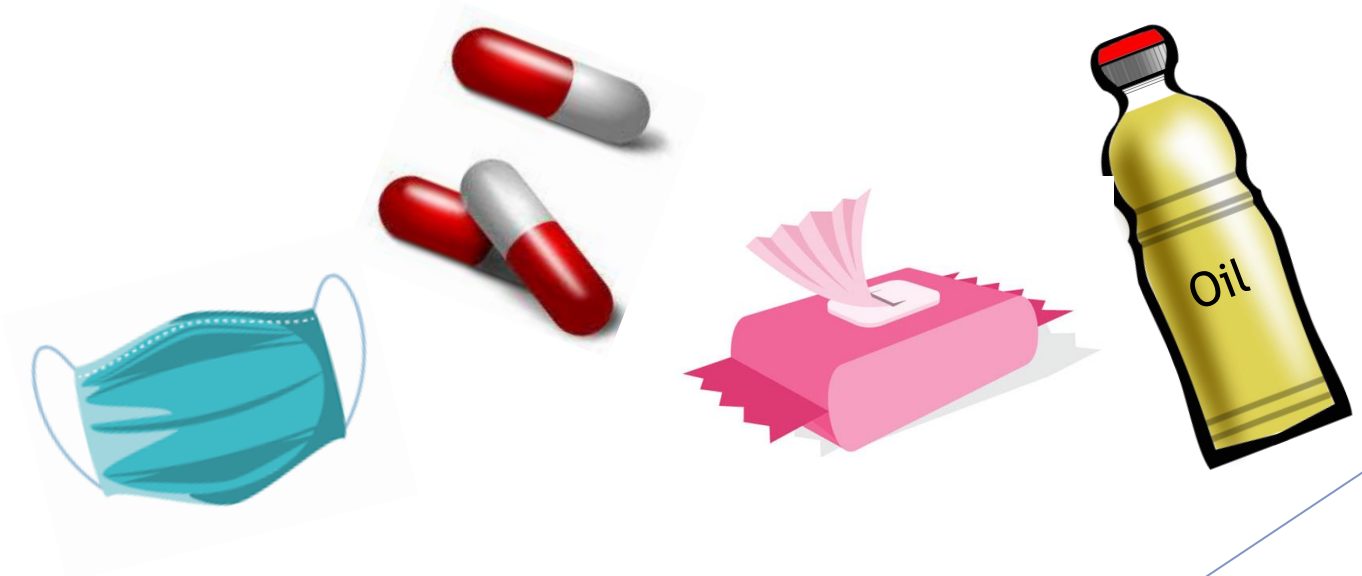
Mission: Providing training and technical assistance to water and wastewater systems throughout New Hampshire

“Doesn’t affect me, I’m on septic. The town’s sewer system is no concern of mine.”

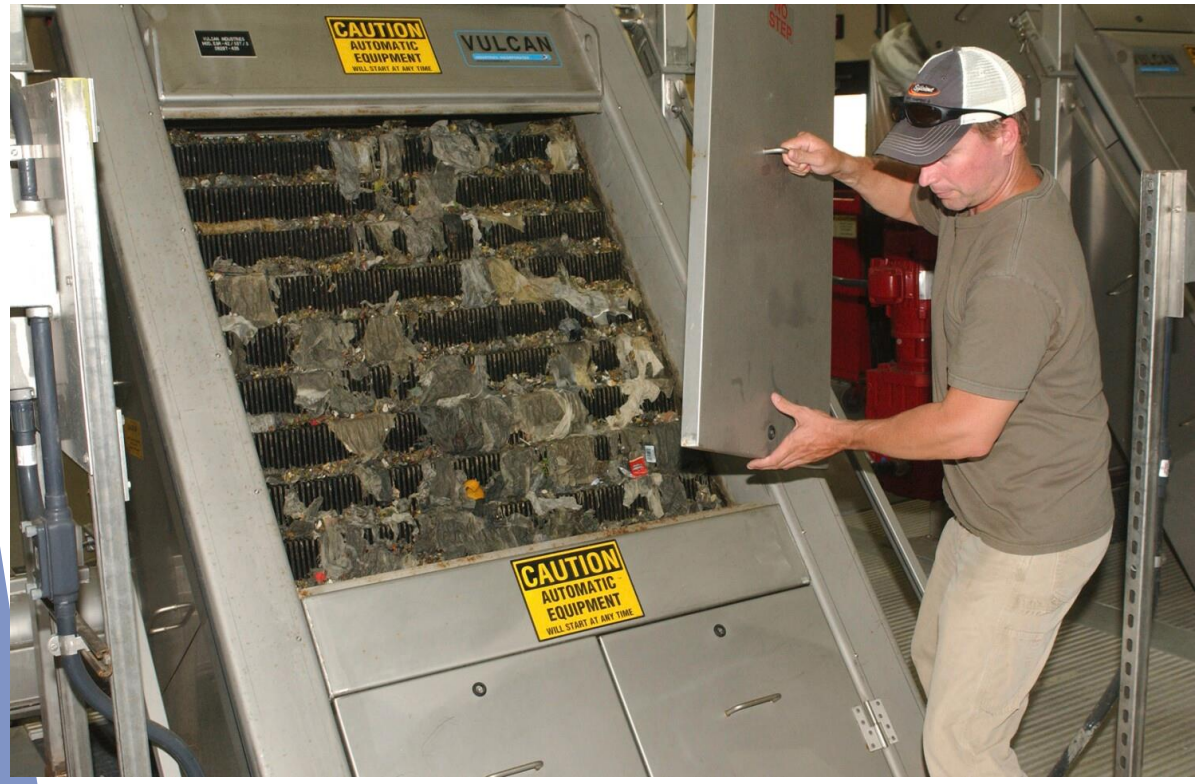
- 65% of NH residents use private septic systems with leach fields.
- Every 3 to 5 years the solids need to be vacuumed out and trucked away.

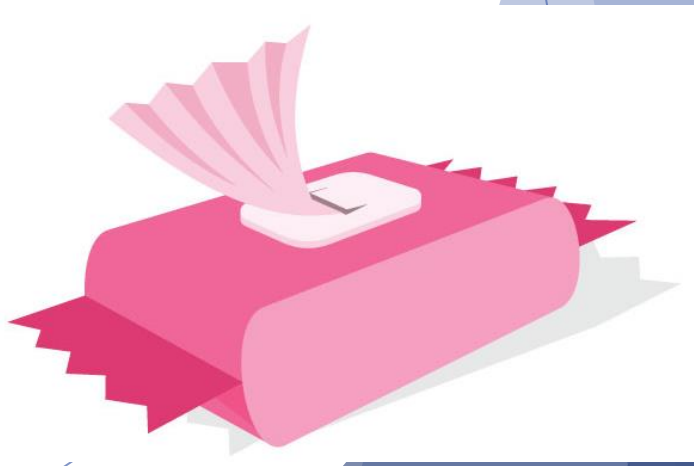
Septage Haulers empty the contents at the entrance of the wastewater plant.

WATER'S WORTH IT



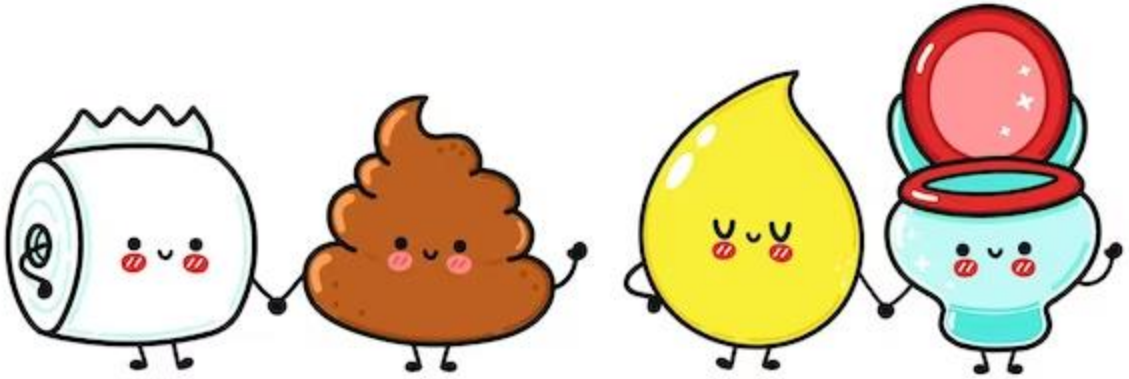
“Flushable” Wipes





Good News!

On July 1, 2022 HB1134 "An act establishing a commission to study Proper labeling and disposal of disposable wipes" became a law.



Thank you bill sponsors and committee members for all your hard work

Wipes Committee Findings:

 # 3 Other states have already taken action. Inconsistencies are concerning

- Several states have enacted legislation to have wipes labeled with "Flushable" or "Do Not Flush".
- Between states there are different labeling requirements.
- Also the flushability standards to guide labeling requirements varies between states.

#5 Self-regulation is concerning

- Several wipe companies are using the Association of the Nonwoven Fabrics Industry self-created guidelines (INDA-GD4) to declare their product is flushable.
- Reports show the tests used to create GD-4, replicate neither the conditions of public sewer systems nor of private septic systems.

Wipes Committee Recommendations:

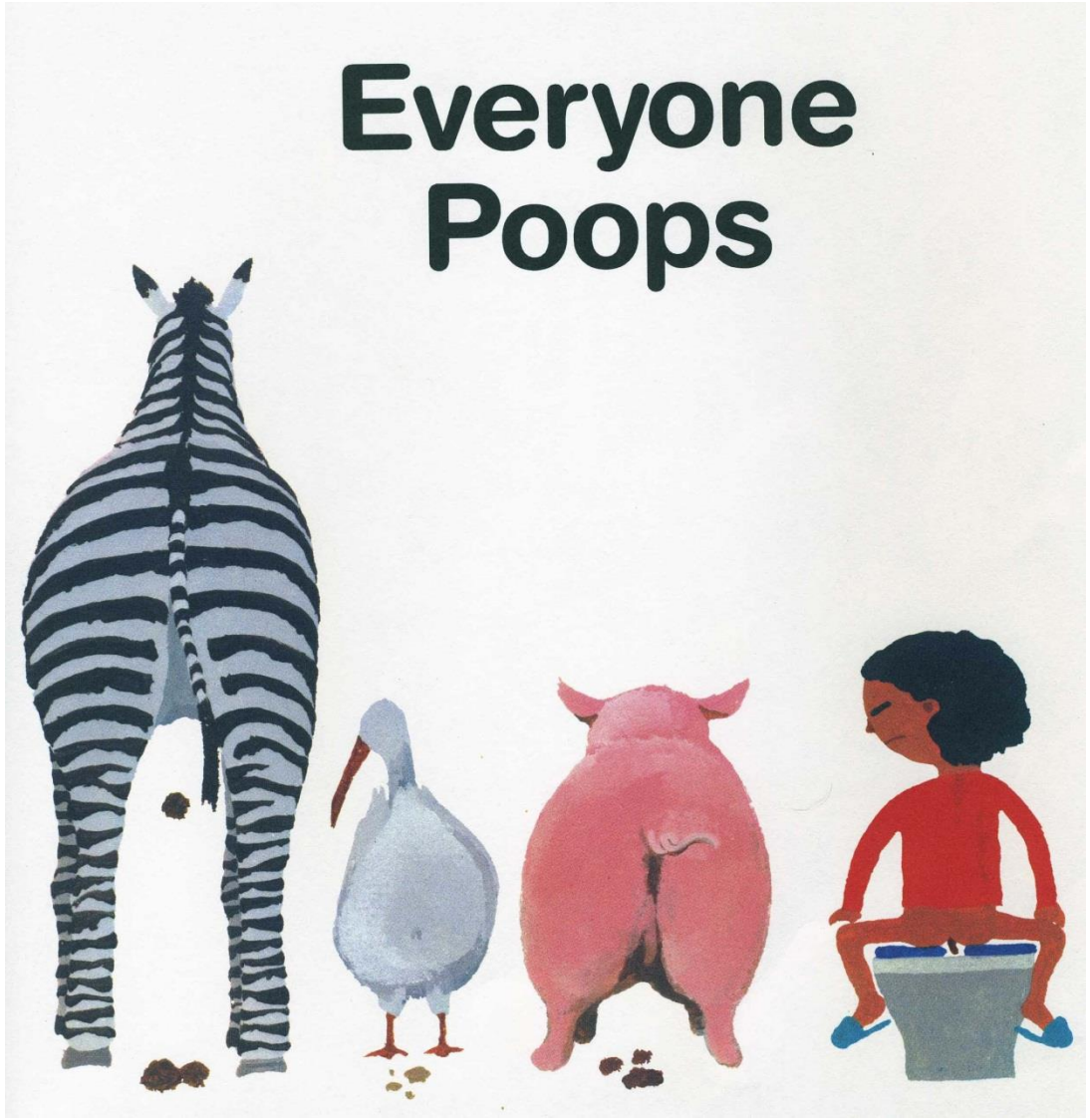
 # 1 Encourage our New Hampshire Federal Delegation to propose federal legislation that includes:

- Suggest standardized and uniform labeling communicating "Do Not Flush"
- Remove the word "Flushable" from all wipes packages

The Take Aways

1. When any legislation comes forward that is related to drinking water or wastewater, remember the impact of that legislation is far greater than the described targeted population.

2. We have so many water issues to tackle and most of them are very complex. Getting wipes out of the water is straight forward and doable. All we need to do is send our four federal delegates a solid nudge.



Everyone's daily flush is part of the problem & everyone needs to be part of the solution!

Gomi, Tarō. (1977) *Everyone Poops*

NHWWA

NH WATER WORKS ASSOCIATION

WATER'S WORTH IT

Boyd Smith, President and CEO

Mission: To improve public water supply service in the State of New Hampshire

NHWWA
NH WATER WORKS ASSOCIATION

WATER'S WORTH IT

Public Water in New Hampshire

- ~725,000 NH residents served by public water systems
- ~700,000 served by 48 systems
- ~2,400 systems serve remaining 4%

New Hampshire residents who use water = 100%

NHWWA
NH WATER WORKS ASSOCIATION

WATER'S WORTH IT

Priority Legislation – State Aid Grants

HB 311 – State Aid Grant (SAG) program

- **~$15Mm / year for upcoming biennium (Gov., Senate, House support).**
- ***Non-lapsing* funding required to meet statutory promise of RSA 486.**
- **Dependable State public water partnership enables local investment.**

THANKS FOR RESTORING S.A.G. FUNDING IN THE PRIOR BIENNIUM BUDGET!

NHWWA
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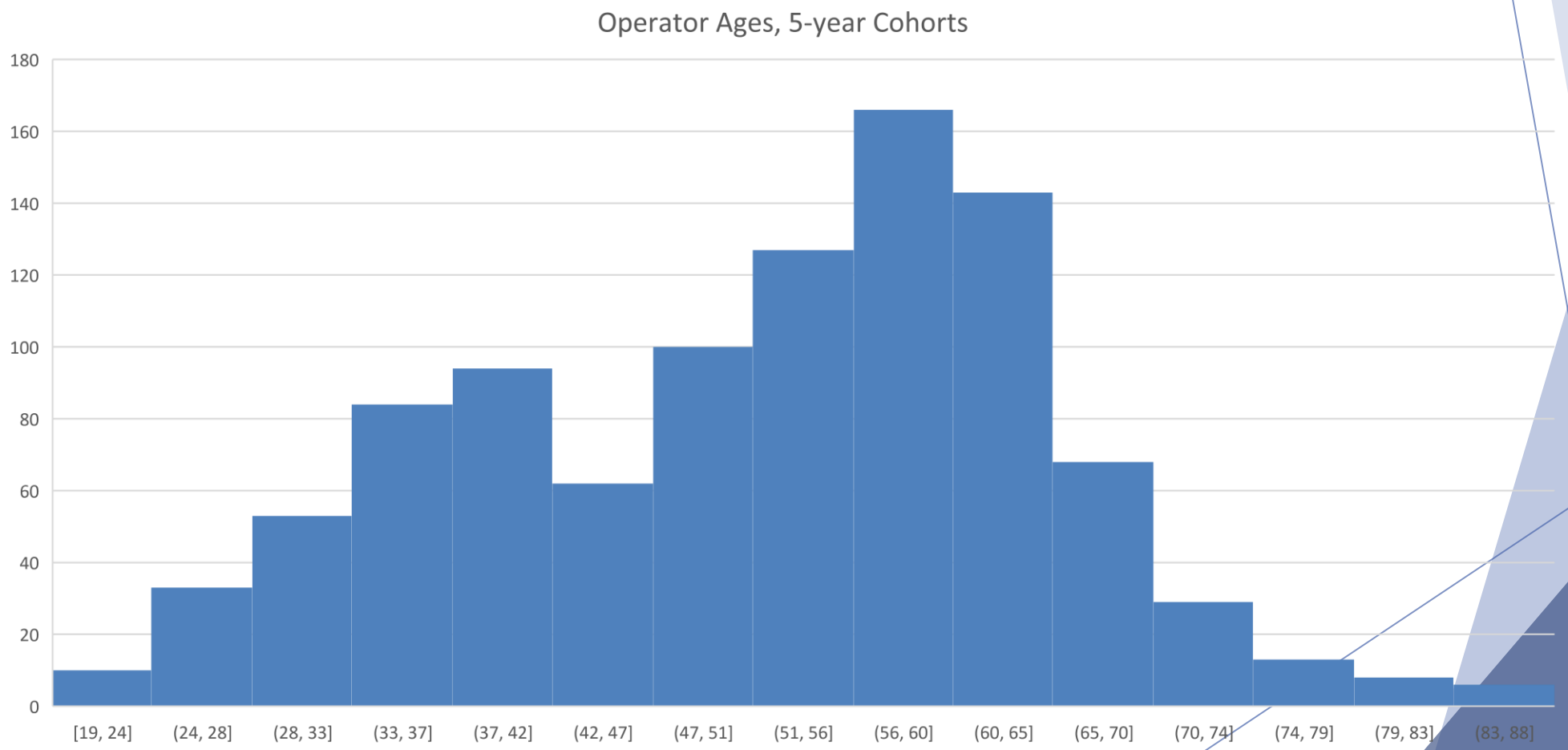
WATER'S WORTH IT

The Grey Tsunami – Pending Retirements (NH)

Avg. Age 52 - 32% are 60 or older



NHWWA
NH WATER WORKS ASSOCIATION

WATER'S WORTH IT

Critical Resource – Qualified Water Workers

- Required and Anticipated Workforce Skills:
  - Trustworthy, Committed to Public Service and Health,
    Team Player: "Attitude and Aptitude"
  - Technologically Proficient
  - Capable Communicators and Managers

NHWWA
NH WATER WORKS ASSOCIATION

WATER'S WORTH IT

Workforce Challenges

- Emerging Contaminants and More Protective Regulations
- Technology and Cyber-Security Complexity
- Customer Awareness – Hidden Infrastructure
- Employee Compensation – Not Competitive, Low Flexibility

More complex systems require higher levels of talent and training – we are competing for "best and brightest"

In Celebration of 50 Years of the Clean Water Act 1972 -2022

A Success Story…..
The "Mighty" Merrimack River

"Water's Worth It" Legislative Breakfast
March 8, 2023

Frederick J. McNeill, P.E.

The Merrimack River and Its Watershed

CITY OF MANCHESTER
ENVIRONMENTAL PROTECTION DIVISION
DEPARTMENT OF PUBLIC WORKS

Merrimack River
A Picture is Worth a Thousand Words

The Merrimack River - Stats

- Length - 117 miles
- Watershed – 5,010 square miles
  - 4th largest in New England
  - 6 defined sub basins
  - 12 rivers enter the Merrimack
- Flows – 7,562 ft^3/s (4.8 billion gallons per day)
- Starts – Franklin, NH at confluence of the
  - Pemigewasset River
  - Winnipesaukee River
- Ends – Newburyport, MA
  - Atlantic Ocean
  - Gulf of Maine

The Merrimack River – A Rich History

- The center of Native American living:
  - Agawam
  - Pawtucket
  - Namoskeag
  - Pennacook
- Merrimack – "*Swift Water Place*"
- Amoskeag – "*Good Fishing Place*"

The Merrimack River – A New History

- 1605 - "Discovered" Samuel de Champlain
- Immediately became a means of commerce - Beginning of the problem

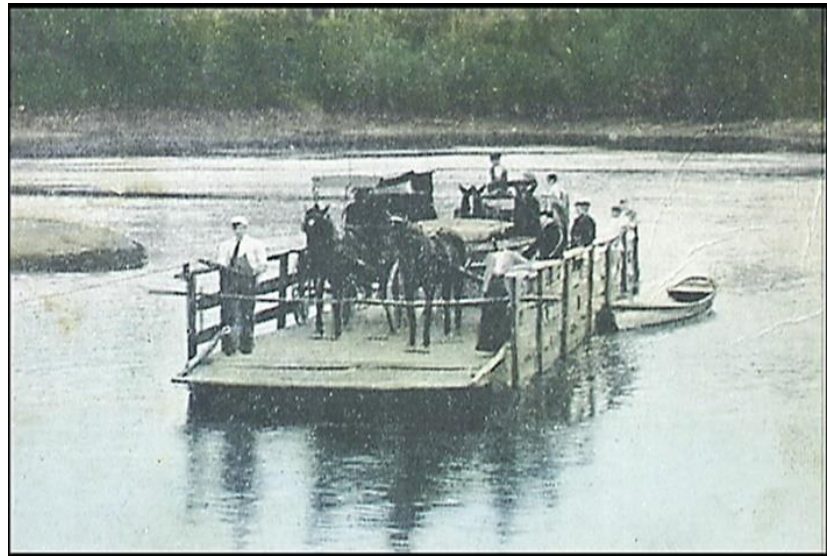
Merrimack River – An Inspiration to Many

- Henry David Thoreau
  - One of our country's first environmentalists
  - 1839 – A Week on the Concord and Merrimack Rivers
- Jack Kerouac
  - One of our country's first beatniks
  - 1959 - Doctor Sax
  - Flooding of the Merrimack River a central theme
- Several naval ships have been named ***USS Merrimack***
- A personal inspiration to me!

CITY OF MANCHESTER
ENVIRONMENTAL PROTECTION DIVISION
DEPARTMENT OF PUBLIC WORKS

The Merrimack River – The Early Days

- 1700s - Settled by immigrants from Europe
- 1800s – Started evolution from Agrarian to Industrial Society
- 1807 - First lock and canal system constructed to navigate around waterfalls
- 1820 - Quickly advanced to hydro power which would fuel the Industrial Revolution



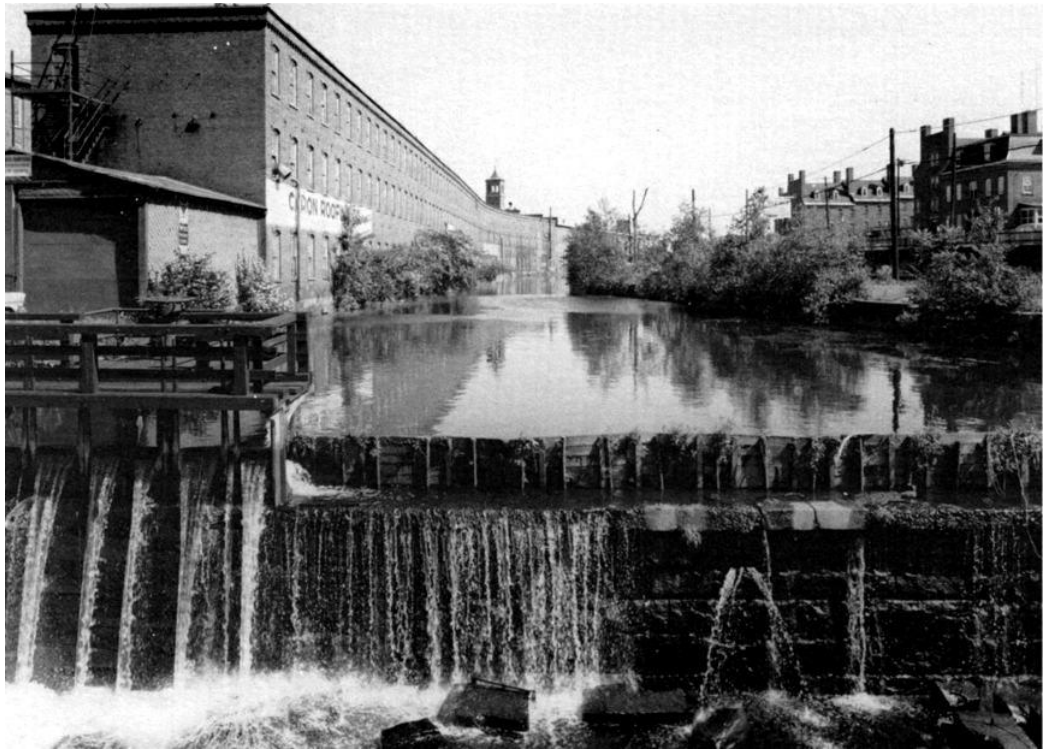
The Merrimack River – The Economic Engine for the Industrial revolution

- Dam Construction
  - 1820 – Pawtucket Falls in Lowell 32’
  - 1836 - Amoskeag Falls in Manchester 50’
  - 1848 – Great Stone Dam in Lawrence 35’

- No regard to environmental stewardship
  - Aquatic life
  - Ecosystems
  - Hydrology

The Merrimack River – The Economic Engine for the Industrial revolution

- Textile mills harnessed the river's energy
- Largest employer in the Merrimack Valley and dominated the economy in five cities
  - Manchester
  - Nashua
  - Lowell
  - Lawrence
  - Haverhill



Manchester's Amoskeag Mills

- Largest cotton textile mill in the world
- 1810 to 1935
- Peaked during WW-1 with 17,000 workers
- 35 buildings
- In addition to textiles
  - Guns
  - Locomotives
  - Fire engines
  - Denim for Levi Jeans

The Death of the Textile Industry and the Merrimack River

- Started downhill after the Civil War
- Cost to ship cotton north
- Cost to heat buildings
- Higher labor cost in northeast
- Most mills closed during the Great Depression
- 1935 - After 135 years of neglect in the pursuit of commerce, we are left with a dead river……..

Collateral Damage No. 1
Energy Impacts

- Dams built in the river with no regard to environmental consequences
  - Diadromous fish (salt to freshwater) no longer able to migrate upstream to spawn
  - Impoundment changed water biology
- Lowell created 18 mile long "mill pond" upstream of dam
  - Common practice
  - Stagnant water
  - Changed ecosystem
- Concord, NH power plant had "coal tar" lagoons adjacent to the river

Collateral Damage No. 2
Rampant Pollution

- Mills all dumped their waste into the River
  - Dyes, bleaches, wash-water
  - Solid waste that would make the river un-navigable
- Increased population to work in the mills
  - Promoted dense urban living
  - Increased wastewater discharge
  - Increased pollutants in stormwater
- All other industries also discharged to the Merrimack
  - Foundries, tanneries, pulp/paper

Collateral Damage No. 3
Unable to Use the River

- Merrimack River is so polluted unable to use it as a drinking water source
  - Diseases traveled downstream from one river city to another
  - 1832 – 674 cholera deaths in Manchester
  - 1849 – 147 cholera deaths in Lowell
- River so odorous a hardship living adjacent to it
- No longer a food source
  - No fish mitigation
  - Can not support aquatic life

A Period of Inaction and Degradation 1935 to 1970

- Merrimack River ultimately makes the list of one of the Ten Most Polluted Rivers in the Country
- With mills closed, these cities became depressed. Populations moved to the suburbs
- No funding, no leadership, no Champion
- Merrimack River water quality further degrades with 170 years of unabated industrial and domestic pollution

Laying the Foundation – Nationally

- 1899 - Rivers and Harbors Appropriation Act. The country's oldest federal environmental law
  - Addressed navigation of harbors, not water quality
- 1912 - Public Health Service Act to study problems of sanitation, sewage and pollution
- 1915 to1945 – World War I, Great Depression, World War II
- 1945 – The Surgeon General warns that over half of the U.S. population relied on drinking water supplies of "*doubtful purity*"
- 1948 - Federal Water Pollution Control Act. Weak law with no funding and no leadership
  - Amended in 1956, 1961, 1965, and 1966

The Clean Water Act of 1972

- 1970 – Social activism proven during the Vietnam War tackles the environment
  - First Earth Day
  - Cuyahoga River on Fire
- 1970 – EPA created, Leadership void filled!
- A Champion – Senator Edmund Muskie
- 1972 – Federal Water Pollution Control Act (1948) amended and now known as the:
  - The Clean Water Act (CWA)!

The Clean Water Act of 1972 – A Home Run!

- Established water quality standards, NPDES permits
- Federals contributed $41 billion from 1972 to 1984 for study, design, and construction of clean water infrastructure
- In NH – Federal provided 90%, State provided 5%, and municipality provided 5%
- The start of one of the greatest engineering achievement of the past century!

Construction of WWTPs
Biggest Bang for your Buck $$

- Franklin, NH
- Concord, NH
- Hooksett, NH
- Manchester, NH
- Nashua, NH
- Lowell, MA
- Lawrence , MA
- Haverhill, MA
- Newburyport, MA

Other CWA Programs Followed to further improve Merrimack River Water Quality

- 1970s - "Separated" collection systems were constructed to direct flows to WWTP
- 1980s – IPP
- 1990s - MS4 for stormwater
- 1994 - CSO Policy
- 2000s - Nutrients

Observations/Conclusions

- In my lifetime the Merrimack River has gone from un-swimmable, unsightly, and underutilized to……
- The Merrimack River is the cleanest and healthiest it has been in 200 years
- Fully recreational above Amoskeag Falls
  - Swimming
  - Boating
  - Water skiing
  - Fishing
  - Hiking

Observations/Conclusions

- The CWA was one of the most significant and successful engineering achievements over the past 100 years
- The CWA has cleaned the nation's waterways in 50 years.
- The CWA has established environmental stewardship as one of our nation's priorities

Observations/Conclusions

- Merrimack River has become an economic engine once again……..this time in a more environmentally responsible manner
  - Sustainable – No collateral damage

- Textile mill buildings are thriving once again along the bank of the Merrimack River
  - NEIWPCC – Wannalancit Mills
  - CDM Smith - Jefferson Mill

- Merrimack River continues to be an inspiration to all!

Thank you

EPD Campus
in Manchester
along the
Mighty Merrimack

The Spradling Group

Public Relations/Media/Consulting

Scott Spradling
The Spradling Group

Water Is Worth It:

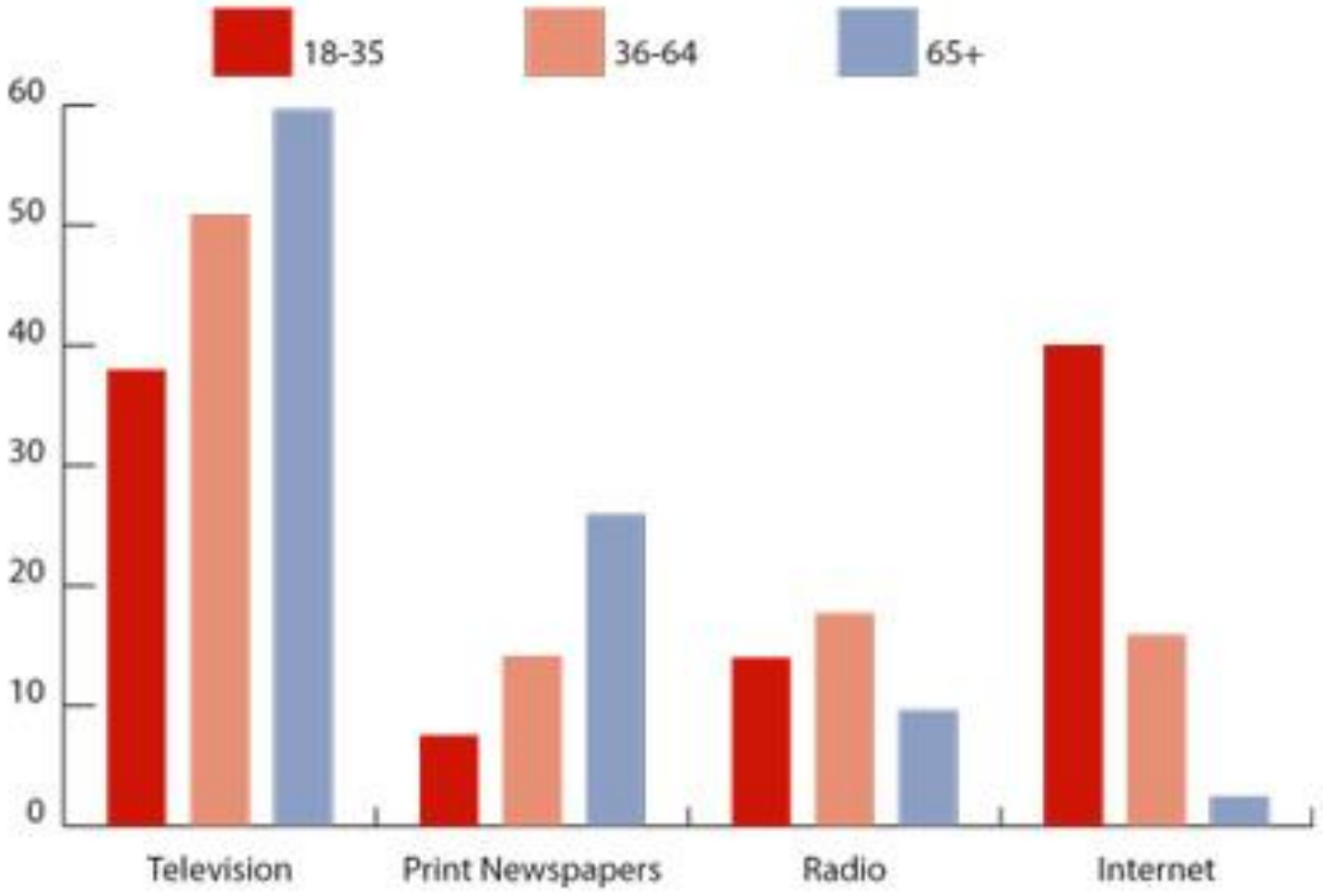
Why Are We Doing This?

- We have a story to tell!
- Community awareness requires your voice
- Make friends/connections anytime you can
- The best communicators get the attention

Why Are We Doing This?

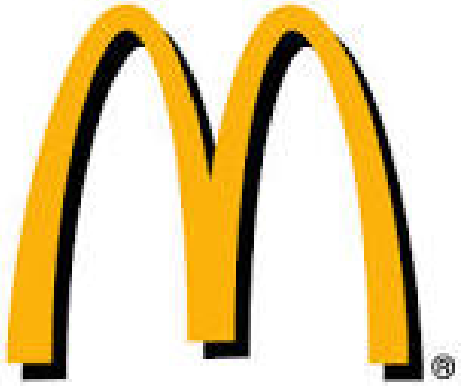
- Media landscape is changing, so is how we all communicate with one another
- Fewer storytellers means you have to tell your own story, social media can help
- This closes the gap and brings people into the business in a unique way

Where Do You Get Your News?



How Are We Doing This?

- **Branding:** Whenever someone sees the Golden Arches, they know they've found McDonald's. This should be a goal through social media – that whenever someone sees their your logo, they should think quality…



How Are We Doing This?

- **Communications:** Traditions have changed. When a group decides to utilize social media, their stakeholders can receive information, schedule changes, and more *in real time*.
- It is a two-way dialogue.

How Are We Doing This?

- **Public Relations:** We cannot leave public relations to chance. Social media allows you to direct followers to news segments featuring positive information. You can also use social media to highlight services and accomplishments.

How Are We Doing This?

- **Attract supporters / businesses:** Part of the reason why you focus on local residents AND business leaders is because we all know the importance of public awareness, the more people know GSIL, the greater the support!

What Are My Options?

Traditional Media:

Social Media

- What do you want to say?
- Who is your audience?
- What are your message goals?

Framing Your Message

- Where to begin: think unique!
- What do you want people to know?
- Show and Tell
- The ‘huh’ factor

Hitting the Mark

- Ways to Get Peoples' Attention
  - How many are affected?
  - Are there big numbers?
  - Are there awesome visuals/pictures/video?
  - Is it happening **now** or about to happen?
  - Is it unprecedented?
  - Is there a "huh!" factor? (B*e creative)*
  - Find a connection to current events

Message Basics

- Be prepared!! (Rule of 3)
- Keep it simple
- You are the expert, BE CONFIDENT
- Show off YOU – show some personality
- Remember, the more people learn about you, the more support we build
- For goodness sake, just start talking!

Framing Your Message

If it is *extraordinary* – let's talk to the media

nhpr

The Telegraph
It's Your Community.

WMUR-TV
NEW HAMPSHIRE

WGIR
NEW HAMPSHIRE'S NEWS RADIO
AM 610

NHBR
NEW HAMPSHIRE BUSINESS REVIEW

NEW HAMPSHIRE
UNION LEADER

The Spradling Group

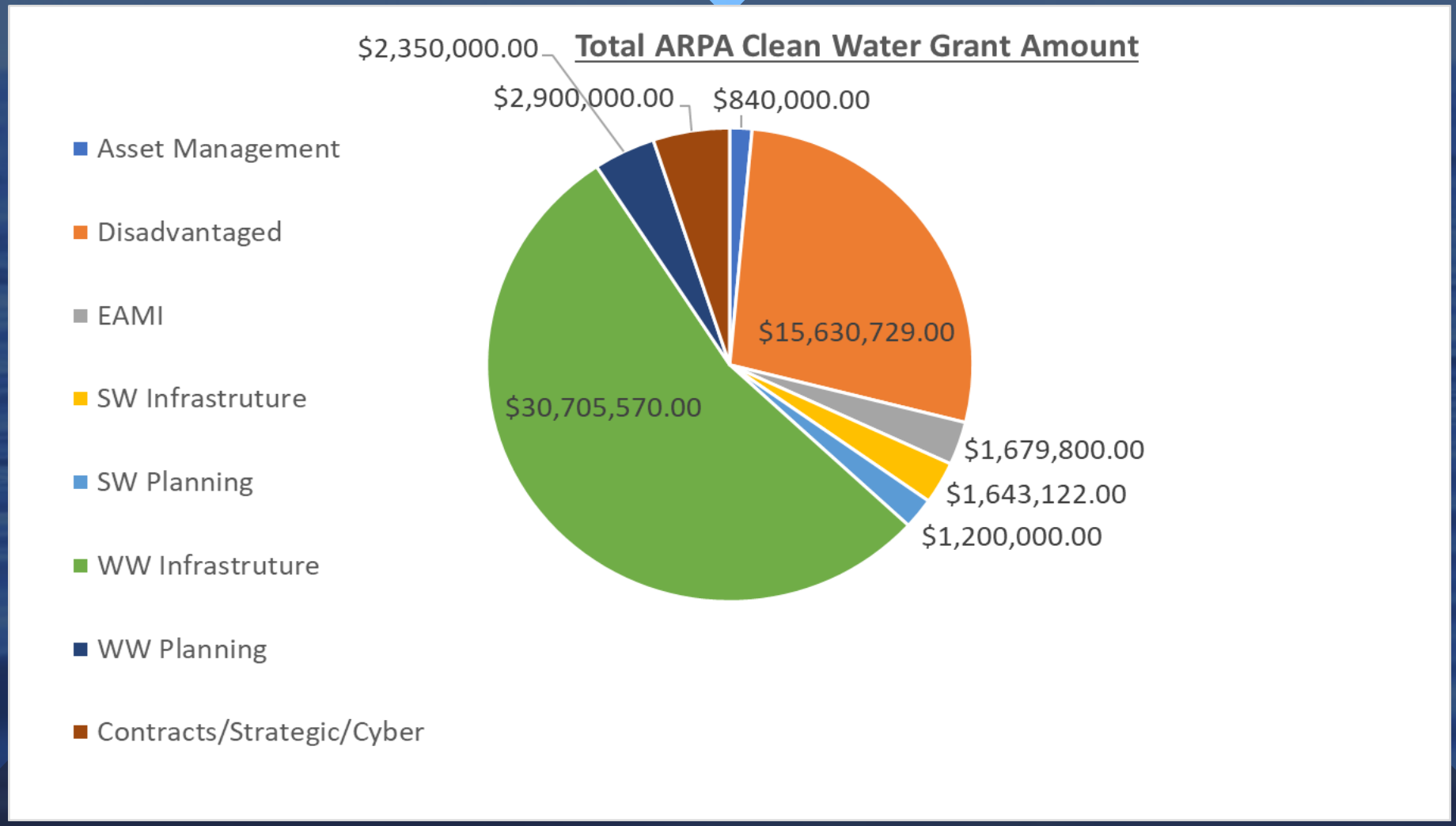
Public Relations/Media/Consulting

Discussion and Questions

Legislative Breakfast
March 8, 2023

Rene Pelletier
Director
NHDES Water Division

ARPA Clean Water Summary



ARPA Clean Water Summary

Program Type	Total Grant Amount	Total Loan Amount	Total Funding	No. Projects
Asset Management	$840,000.00	$0.00	$840,000.00	18
Disadvantaged	$15,630,729.00	$285,600.00	$15,916,329.00	25
EAMI	$1,679,800.00	$171,000.00	$1,850,800.00	10
SW Infrastruture	$1,643,122.00	$4,059,783.00	**$5,702,905.00**	9
SW Planning	$1,200,000.00	$0.00	$1,200,000.00	12
WW Infrastruture	$30,705,570.00	$74,934,374.00	**$105,639,944.00**	44
WW Planning	$2,350,000.00	$0.00	$2,350,000.00	24
Contracts/Strategic/Cyber	$2,900,000.00		$2,900,000.00	TBD
Totals	$56,949,221.00	$79,450,757.00	**$136,399,978.00**	142

2022 Clean Watersheds Needs Survey (CWNS) – Data Collection in Progress

- Wastewater (Cat 1-5 + 10)
  - Data submitted for 127/128 wastewater systems
  - $2.2B in needs identified
- Gray, Green & General Stormwater (NH State Specific Approach for Cat 6)
  - 56/234 municipalities submitted information
  - $460M in needs identified
- Decentralized WW Systems (NH State Specific Approach for Cat 12)
  - Historically only included municipal community septic systems
  - This round including non-municipal septic systems/private septic systems
  - $881M in needs identified
- Non-Point Source (Cat 7K)
  - 27 municipalities included
  - $36.8M in needs identified

Congressionally Directed Spending (CDS)

Clean Water Impacts

State	2022	2023	2022 + 2023
Connecticut	$1,220,000	($842,430)	$377,570
Maine	$11,717,000	$19,468,717	$31,185,717
Massachusetts	($5,720,000)	($8,167,727)	($13,887,727)
New Hampshire	$2,245,000	$1,724,417	$3,969,417
Rhode Island	($1,024,000)	$5,346,459	$4,322,459
Vermont	$5,786,000	($2,099,972)	$3,686,028

Drinking Water Impacts

State	2022	2023	2022 + 2023
Connecticut	$3,659,455	$2,030,451	$5,689,906
Maine	($1,193,000)	$251,451	($941,549)
Massachusetts	$6,184,000	$1,065,700	$7,249,700
New Hampshire	($1,645,196)	$620,423	($1,024,773)
Rhode Island	$7,652,000	($832,549)	$6,819,451
Vermont	($3,433,000)	($2,147,549)	($5,580,549)

2022 CWSRF Funding

“Earmarks”
$6.5M

20% Match Required

Base
$11.6M
$2.3M State Match (20%)

10-40% Subsidy

Repayment
$60.5M
No State Match

0% Subsidy

BIL Supplemental
$17.9M
$1.79M State Match (10%)

49% Subsidy

NEW!

BIL Emerging Contaminants
$935,000

100% Subsidy

CWSRF 2022 PPL Summary

Project Type	# Pre-Apps	Total $
WW Infrastructure	108	$451,912,739
*Sewer Extensions	10	$80,123,027
SW Infrastructure	29	$54,992,274
WW Planning	48	$2,424,323
SW Planning	30	$2,875,000
Asset Management	22	$870,000
Energy Audit Measures	6	$1,519,100
Emerging Contaminants	1	$300,000
Totals:	***254***	***$595,016,463***

Principal Forgiveness for Affordability Factors: 5%, 10%, 15%, 25% & 30%

CWSRF Incentive Programs

Asset Management
Clean Water Grants OR 100% Principal Forgiveness up to $30,000; multiple phases available for WW, one phase available for SW

Energy Audits
Free! (Just ask!)

Energy Audit Measure Implementation
50% Principal Forgiveness up to $250,000 (Affordability % for costs above $500,000)

Planning
100% Principal Forgiveness up to $100,000

NH Biosolids PFAS Efforts

Education & Outreach

- 2017 Influent/Effluent Sampling at NHs WWTFs
- Since 2017 Annual Sampling Sludge Quality Certification (SQC)
- Very Limited Septage Sampling
- Collection System Sampling (Merrimack, Concord, Sunapee, New London, Conway & Hampton on deck)
- Northeast Biosolids Improvement Program
- CWSRF Emerging Contaminants Fund (BIL)
- USGS Soil/ Sludge Leaching Study
- NH Soil Standards Development (HB1547)

USGS Soil/Sludge Leaching Study

- Three phase study
  - Phase 1: NH soil occurrence sampling (100 samples)
  - Phase 2: Batch Experiments on 5 major biosolids and PFAS contaminated NH soils
  - Phase 3: Field Investigation to prove accurate coefficients were developed
- Full Report Completion: Spring 2023
- Phase 1 Data Release: Complete
- Phase 2 & 3 Data Release: Complete
- NH Soil Standards Development: HB1547 - November 2023 (!)

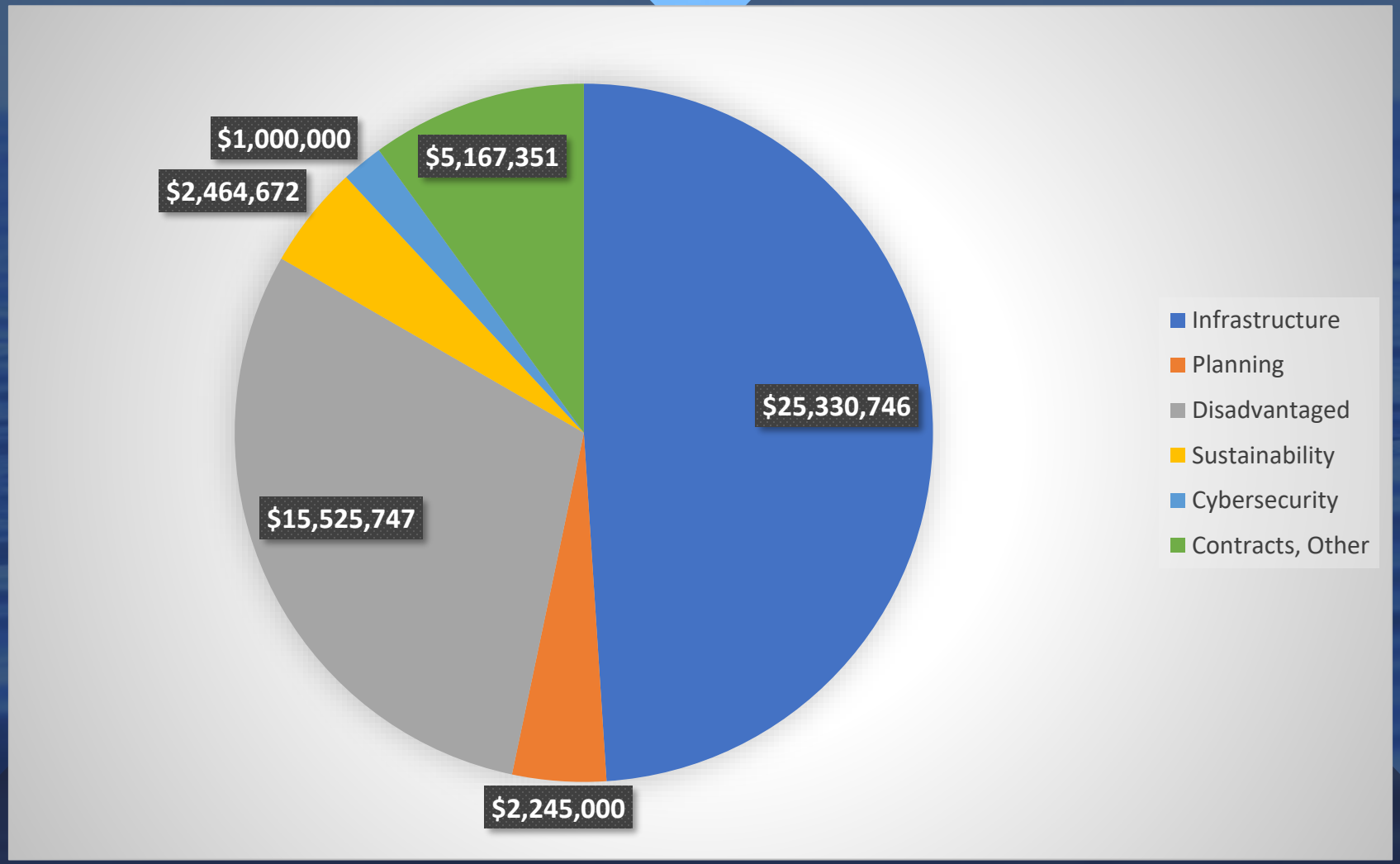
CWSRF BIL Emerging Contaminants $

- Focus on PFAS
- $935,000 in 2022
- $2.125M each FY 23-26
- 100% Grant
- Project Type:
  - Treatment of Landfill Leachate (Municipally Owned Landfills to Municipal WWTFs)

Challenges Facing the Wastewater Community

- Retirements – recruitment & retention
  - NHs Certified Wastewater Operators (~470)
- Escalating costs – electricity, inflation, fuel, transportation, chemicals
- Execution of projects
  - APRA/CWSRF funds must be spent quickly
  - Supply chain issues - long lead times on equipment
  - Consulting firms & Contractor's capacity for new work
- Uncertain regulatory environment
  - Biosolids beneficial re-use
  - Sludge Disposal for Lagoon Closures
  - PFAS monitoring and WWTF pass-thru
- Climate change & debris impacts
  - Drought / Intense rainfall
  - “disposal wipes” fouling pipes & damaging pumps

ARPA Drinking Water Summary



Drinking Water Funding FY21-FY26

Traditional DWSRF Funding – EPA & Repayment $15-20M
Drinking Water & Groundwater Trust Fund $20M

New Funding
ARPA $60M
PFAS ARPA $100M
PFAS RLF $50M
22-26 DWSRF EC $40M
22-26 LSL $140M
22-26 Supplemental $112M
22-26 WIIN EC $50M
WIIN Lead & Disadvantaged $3M

2022 DWSRF Funding

Base
$7M

Supplemental
$17.9M

49% Subsidy for Disadvantaged

Lead
$28.35M

50-100% Subsidy for Disadvantaged

Emerging Contaminants
$7.5M

100% Subsidy
25% for Disadvantaged

2022 DWSRF Projects

181 eligible pre-applications
Totaling $394M

Offered funding to 27 projects for $32M
$9.7 principal forgiveness

Pre-applications for 2023 SRF Funding Available in April and Due 6/1/23

$7M

#140

Sustainability Initiatives

Initiative	ARPA & DWSRF Grant Funding	# of projects
Asset Management	$3,754,215	45
Planning	$2,085,000	44
Energy Audits	$250,000	9
Energy Audit Implementation	$331,500	5
Water Audits	$133,975	25
Climate Change Vulnerability Assessments (DW&WW)	$691,087	9
Strategic Planning	$160,000	3

Lead Service Lines

Lead Service Line Inventory & Replacement Plans

Completed by Oct 2024

Large system grants $50k to $100k

Contractors will be used to complete for medium and small systems

Data Collection Tool for submittals

DWSRF Loan funds for replacement

WIIN Funding

Water Infrastructure Improvements for the Nation Act

$51M

WIIN Program	$
Lead in Schools & Daycares	$2,171,000
Small Underserved Disadvantaged Communities	$783,000 *($343,636) DWGTF state match*
Emerging Contaminants	$19,000,000 (22&23) $30,000,000 (24-26)

Challenges Facing Water Systems

- Aging work force / lack of qualified workers.
- Aging infrastructure.
- Lead service line replacement / new lead and co
- Arsenic, manganese, PFAS, Radon, uranium
- Road salt / chloride.
- Water distribution system / building pathogens.
- Climate change.
- Security (physical and cyber).
- Climate change.
- Water treatment chemical supply chain.

Thank you!

Rene Pelletier
Director
NHDES Water Division

Questions & Answers

Thank you for joining us!