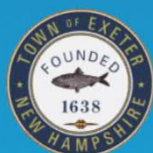


# Town of Exeter Nitrogen Control Plan



Presented by: Edward Leonard, PE  
Renee Bourdeau, PE  
September 10, 2018



## Agenda

- July 23
  - Why the Nitrogen Control Plan is Needed
  - What the Nitrogen Control Plan Will Do
  - Watershed Loads
  - Nitrogen Control Measures
  - Alternatives Analysis
- September 10
  - Summary of Nitrogen Control Plan
  - Next Steps

## Summary of Nitrogen Control Plan

- Documents baseline loadings
- Identifies nitrogen control measure that have been or will be taken by the Town
- Identifies an adaptive management framework for monitoring progress
- Identifies a 5-year implementation plan leading up to the Engineering Evaluation due in 2023

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## Implementation Plan – Point Source

- WWTF Upgrade
- Main Pump Station Upgrade
- Forcemain Upgrade
- WWTF Operational Strategies

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## Implementation Plan – Non-Point Source

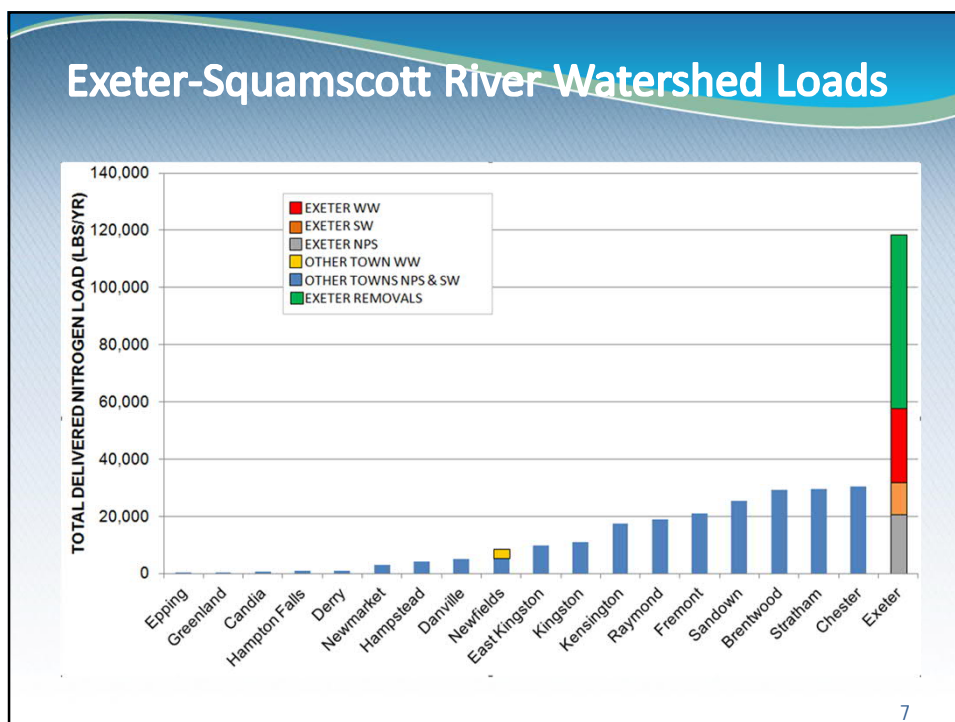
- MS4 Program
  - Public education and outreach
  - Good housekeeping and pollution prevention
  - Street/pavement cleaning program
  - Fertilizer Management on Municipal Facilities
- Atmospheric deposition
- Leaf Litter and Organic Waste Collection
- Shoreland Protection and Land Conservation
- Stormwater Best Management Practices
- Preliminary Storm Drain Asset Management Plan
- Removal of Great Dam

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## Implementation Plan – Management

- Implement Tracking and Accounting/ PTAPP
- Implement Fertilizer Regulations
- Implement Site Plan & Subdivision Regulations
- Monitor Water Quality
- Review EPA Monitoring Data in Squamscott River
- Coordinate with NHDES for Watershed Allocation
- Submit AOC Engineering Evaluation

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### Summary

- Exeter will make nitrogen reductions via point source, NPS and management measures.
- Exeter will obtain and review the significant monitoring data collected by others in the Great Bay watershed.
- Exeter will join the other communities with recently completed or on-going WWTF upgrades
  - Rochester, Dover, Durham, Newmarket, Portsmouth
- Exeter will continue to work with NHDES and other Great Bay communities on defining watershed allocations and watershed solutions.

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## Next Steps

- Obtain input from the Select Board (9/10)
- Receive final comments from the Town (9/18)
- Finalize Nitrogen Control Plan and submit (9/28)

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## Questions / Discussion



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