

**BOARD OF WATER COMMISSIONERS**  
**MINUTES FOR THE MEETING OF**  
**November 17, 2020**

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The statutory requirements as to notice having been complied with, the meeting was convened at 5:15 PM.

**Members Present:** Chairman Joshua M. Fox, and Commissioner Robert H. Sheldon and via Zoom, Commissioner Robert E. Boyd Jr.

**Members Absent:** None

**Others Present:** Treasurer Thomas S. Travers, Executive Director Vincent J. Roy. Representing Environmental Partners Group; Chuck Adelsberger, Senior Project Manager and Marcus Brunelle, Engineer.

Chairman Fox called the meeting to order.

**1. REVIEW MEETING MINUTES**

The Commissioners approved the Minutes for the Meeting of November 4, 2020 as amended. The motion for approval was made, duly seconded, and approved by roll call:

Joshua A. Fox, Chairman - Yes

Robert H. Sheldon, Commissioner – Yes

Robert E Boyd Jr. – Abstained because he was not present for the 11/4 meeting

**2. PRESENTATION OF WATER SYSTEM MASTER PLAN REPORT**

Director Roy provided a brief history of the consultant selection process leading to the selection of Environmental Partners. He then introduced Environmental Partners representatives Chuck Adelsberger, Project Manager, and Marcus Brunelle, Junior Engineer to present the Water System Master Plan Report. See attached presentation agenda.

**3. REVIEW DIRECTORS OCTOBER 16<sup>th</sup> REPORT**

Director Roy presented his bi-weekly report to the Board and addressed questions regarding several topics:

***16 North Road Disposition:***

Mr. Roy informed the Commissioners that a vote to offer a portion of District land at 16 North Road to the Town as first right of refusal would be delayed from November 17, 2020, to a later date, as requested by Quarry North's attorney, Bill Henchy. Commissioner Sheldon asked Mr. Roy if he knew the reasoning for the delay to which Mr. Roy responded that the delay was due to a minor issue with finalizing the ANR plan.

***Hop Brook Beaver Dam at Saxony Drive:***

Commissioner Sheldon asked Mr. Roy for an update on the Hop Brook Beaver Dam. Mr. Roy stated that he was concerned about the recent beaver activity being so close to Wells 3, 8 and 10. Mr. Roy stated that the District had contracted with Beaver Solutions, Inc. of South Hampton, MA to trap beavers in the area. He also stated that the District had submitted a Notice of Intent to the Conservation Commission to remove the beaver dam and that the hearing was scheduled for November 30<sup>th</sup>.

***PFAS analytical results:***

Chairman Fox expressed his concern over the increased PFAS levels from the latest analytical results. Mr. Fox asked Mr. Roy what the next steps are moving forward. Mr. Roy stated that he had forwarded the results to Blake Martin of Weston & Sampson and was scheduling a meeting within the next week to discuss possible options. Mr. Roy also stated that the District would be resubmitting its PFAS mitigation grant application to MassDEP for its next round of funding and that he would be requesting additional funding for PFAS mitigation in the FY 2022 budget. Mr. Roy also said that he was exploring the potential for use of funds remaining from the District's office and garage project for installation of initial infrastructure to be prepared for treatment for PFAS at one or both treatment plants.

**4. OFFER TO CONVEY CERTAIN PARCEL OF LAND (APPROX. 3.7 ACRES) LOCATED AT 16 NORTH ROAD TO THE BOARD OF SELECTMEN OF THE TOWN OF SUDBURY:**

Director Roy informed the Commissioners that this item has been deferred to the next Commissioners Meeting scheduled for December 1, 2020.

**5. SWD WATER FOR COLD BROOK CROSSING DEVELOPMENT (FORMER MELONE PROPERTY) IN CONCORD**

Director Roy informed the Commissioners of Quarry North's request for water service to six units of a portion of land within Cold Brook Crossing Development in Concord. Commissioner Sheldon asked for clarification of necessary procedures for the District to serve homes or businesses beyond the limits of the Town of Sudbury. Chairman Fox suggested that the District require Quarry North to submit a document to the District explaining the reasons for the request for water service. Mr. Fox also suggested that the request be reviewed by District Counsel or Jillian Bargar of Anderson & Kreiger, LLP. Commissioners Sheldon and Boyd agreed with Mr. Fox's suggestion and instructed Director Roy to carry it through.

Chairman Fox moved to conclude the open meeting and to move into executive session for the purpose of discussing the purchase, exchange, lease or value of real property with AT&T and to review minutes from Executive Sessions held on the October 20<sup>th</sup> and November 4<sup>th</sup> Commissioners Meetings. The chair confirmed that having discussion in an open meeting may have a detrimental effect on the negotiating position of the District with AT & T Wireless Communications pursuant to General Laws chapter 30A, §21(a) (exception 6). The motion was seconded by Commissioner Sheldon and approved by unanimous roll call:

Joshua A. Fox, Chairman  
Robert H. Sheldon, Commissioner  
Robert E. Boyd Jr. Commissioner

There being no further discussions the meeting adjourned at 6:05 PM

# MEETING AGENDA

**Date:** November 17, 2020

**Meeting Title:** Sudbury Water District-Board of Water Commissioners Meeting  
Presentation of Water System Master Plan Report

## WSMP Overview

- Water Treatment and Supply
  - Potential Per and Poly-fluoroalkyl substances (PFAS) Treatment Improvements
  - Reduce Water Age in Distribution System
  - Well No. 5 treatment improvements
  - Concord Road Area Groundwater Exploration Program
- Transmission Main Improvements
  - Route 27 Fire Flow Improvements
  - Wayside Inn Area Piping Improvements
- Storage Evaluation
  - Create Goodman Hill and Bigelow Drive High Service Areas (increase usable storage)
  - Assess potential for storage mixing systems to reduce water age
- Distribution System Improvement
  - Water Main Break History
  - Asbestos Cement Pipe Replacement
  - Pipe Looping
- SCADA Evaluation
- Risk and Resilience Assessment (includes Cybersecurity from SCADA Evaluation)

## Recommended 20-year Capital Improvements Program

- Goodman Hill High Service Area booster pump station and elevated storage tank
- Potential small booster pump station on Bigelow Drive
- SCADA system improvements including Cybersecurity
- Fire protection improvements
- Potential groundwater exploration program for new source in northern Sudbury
- Asbestos cement (AC) pipe replacement
- Water distribution system pipe looping
- Ongoing assessment and continuous maintenance of raw water/treatment facilities

## Action Items and Next Steps

- Goodman Hill and Bigelow High Service Areas - Preliminary Design Phase
- SCADA System Upgrades

## General Discussion/Questions

Priority No.	Recommendation	Opinion of Probable Cost
<i>Phase I Improvements - Years 2020-2025</i>		
1	Goodman and Bigelow Service Pressure Improvements	\$ 5,510,000
2	SCADA Upgrades	\$ 144,000
3	Route 27 Fire Flow Improvements	\$ 850,000
4	Water Rate Study	\$ 20,000
5	Carding Mill Road to Wayside Inn Road Loop	\$ 150,000
6	Generators	\$ 440,000
<b>Phase I Improvements Total</b>		<b>\$ 7,114,000</b>
<i>Phase II Improvements - Years 2026-2030</i>		
1	AC and CI Water Main Replacement	\$ 10,900,000
2	Looping	\$ 1,395,000
3	Well 5 Rehabilitation Study	\$ 40,000
<b>Phase II Improvements Total</b>		<b>\$ 12,335,000</b>
<i>Phase III Improvements - Years 2031-2035</i>		
1	AC and CI Water Main Replacement	\$ 22,305,000
2	Groundwater Exploration Study	\$ 60,000
<b>Phase III Improvements Total</b>		<b>\$ 22,365,000</b>
<i>Phase IV Improvements - Years 2036-2040</i>		
1	AC and CI Water Main Replacement	\$ 18,745,000
2	Looping	\$ 1,395,000
3	Install Hydrants at Dead Ends	\$ 310,000
<b>Phase IV Improvements Total</b>		<b>\$ 20,450,000</b>
<b>Total Cost of CIP</b>		<b>\$ 62,264,000</b>