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A meeting of the Town of Barnstable's Hyannis Water Board was held on January 24, 2017 at 3:00 PM in the Growth Management Conference Room, 367 Main Street, 3rd Floor, Hyannis, MA.

In attendance were: Steve O'Neil, Jonathan Jaxtimer and Tom Holmes.

Staff present: Hans Keijser, Supervisor, Water Supply Division, Daniel Santos, Director, DPW, Mark Milne, Finance Director, Michael Gorenstein, Project Manager, DPW-Water Supply Division and Dale Saad, Ph.D., Senior Project Manager, Water, Sewer and Green Energy.

Also present: Mike Leahy from Suez Water and Jon Gregory and Paul Howard from Tata & Howard.

A quorum being present, Chair O'Neil called the meeting to order at 3:00 PM.

A motion was made and seconded to approve the agenda.

**VOTE: Unanimous in favor. The Agenda is approved.**

A motion was made and seconded to approve the 12/20/16 meeting minutes.

**VOTE: Unanimous in favor. The 12/20/16 meeting minutes are approved.**

#### Operations Report –

Leahy reports that the insulated structures have been completed at the COMM and Yarmouth interconnection locations. These structures were built to protect external piping and hydrants from the winter weather and freezing.

Leahy reports that deliverables are coming along with hydrant painting at 100%, hydrant inspections at 51% completed. He adds that an additional employee has been trained to help facilitate their continuous efforts to bring meter changes current. He informs the Board that contract year # 7 deliverables are closing out with only seven meter changes remaining. Leahy also informs the Board that currently two of Suez's technicians just received their T1 licenses and one employee has received their D1 full license.

O'Neil expresses his concern relative to the "over 360 day" account balances that keep increasing.

All required monthly reports and sampling were completed and submitted on time.

#### Maher Treatment Plant, treatment proposal for PFOS/PFOA, 1,4 Dioxane and Manganese & Iron.

Presentation of the findings and options by Tata & Howard, consulting engineers – Jon Gregory from Tata & Howard explains the different remediation processes for the different contaminants/elements affecting the Maher Water Treatment Facility: carbon filtration for PFOA/PFOS, advanced oxidation for 1,4 dioxane and greensand filtration for iron & manganese. He summarizes the two (2) phase project will consist of:

Phase 1 - \$6,345,000.00 will provide the following:

- Pilot testing of advanced oxidation for 1,4 dioxane removal and greensand filtration for iron and manganese removal
- Installation of Carbon Filters

- 90' x 90' pre-engineered metal building, piping, concrete backwash holding tank, supernatant water and sludge pumps, electrical, instrumentation and controls, chemical feed equipment and site work

Phase 2 - \$2,865,000.00 (advanced oxidation only), \$4,840,000.00 (advanced oxidation & greensand filtration) will provide the following:

- Design and installation of advanced oxidation and greensand filtration equipment, additional instrumentation and controls, additional electrical work required.

The pilot testing will discover if stand alone advanced oxidation will work to remove 1, 4 Dioxane or if the iron and manganese needs to be removed prior. This pilot testing will determine the choice between the two dollar amounts.

Gregory explains that if elected, Phase 1 design and the pilot testing would commence in March of 2017 and a Phase 2 choice can then be made in October / November of 2017.

A motion was made and seconded to proceed with Phase 1 of the Maher Water Treatment Facility Upgrades as presented.

**VOTE: Phase 1 of the Maher Water Treatment Facility Upgrades will proceed as presented.**

Rate Hearing for FY 2018, Update (2 handouts, dated 1/20/17) – Keijser with email the Board with the February date of the rate hearing. Keijser's handout displays the 9% increase in rates and fees that were voted on last month.

Dale Saad SRF Project Update – Saad explains to the board that the town manager submitted a letter to the Department of Environmental Protection (DEP) expressing need for State Revolving Funding for the emergency situation with the Hyannis Water System. Saad explains that the DEP will review our need on an Emergency Funding Method. Saad is in the process of organizing requested documentation for submission to the DEP to obtain approval for funding for these emergency costs.

Hans Keijser, Update on PFOA (perfluorooctanoic acid)/PFOS (perfluorooctane sulfonate) issue –

Current Emergency Projects – Keijser reports the following:

- Temporary Centerville-Osterville-Marstons Mills (COMM) Interconnection on Phinneys Lane, Status – Keijser informs the Board that they are waiting for the groundwater discharge permit, and then will be able to go online.
- Permanent interconnection with Yarmouth Water; easements, agreements & construction, Status – Keijser informs the Board that the Town of Yarmouth selectman will be signing the easement tonight and he will pick up a copy tomorrow. Keijser adds that they are waiting for temporary paving on the Burke property to happen soon.
- Interconnect shed at the Maher Treatment Plant, Construction Status – Keijser explains that the shed is completed.
- Enclosing the Mary Dunn Carbon Filters for use during the winter months; Construction Status Update – Keijser informs the Board that the permanent heat is to be done this week.

Hans Keijser, Projects Update –

Projects -

- Rte. 28, Bearses Way, Massachusetts Department of Transportation (MASS DOT), Update – Keijser reports that the water supply aspect of this project will commence in the Spring of 2017 (March).
- West Main Street, Cleaning and Lining job, bid results & schedule – Keijser reports commencement is planned for the spring mid-March '2017. He adds that they will start at the Pitchers Way end and continue towards the rotary.
- Mary Dunn Road Paving project, gas line installation, Schedule Update – Keijser reports that survey work is being done on this project will commence in the spring.
- Straightway 1 well reactivation, Update – Keijser reports that the contract is being finalized with Weston & Sampson and design and permitting is to be started.
- Request for Quotes (RFQ) for New Sources, Update – Keijser reports that the Town, after deliberation chose Weston & Sampson as the consultant and are currently developing a contract.
- Mary Dunn 4, satellite well exploration, Update - Keijser reports that a Request For Quotes (RFQ) is being drafted.

Meeting was adjourned at 4:16 PM.

*Respectfully submitted,*

*Marcia Sellitto*

*DPW, Water Supply Division –Administrative Assistant*

Materials presented at meeting:

- Meeting Agenda January 24, 2017 (*presented by:* T.O.B.-DPW, Water Supply Div.)
- Meeting Minutes for approval 12/20/16 (*presented by:* T.O.B.-DPW, Water Supply Div.)
- H.W.B. Monthly Report, December 2016 (*presented by:* Suez Water)
- FY '17 Pumping Projection spreadsheets, dated 1/20/2017 (*presented by:* Hans Keijser)
- Billed and Received Revenue Projection spreadsheets, dated 1/20/2017 (*presented by:* Hans Keijser)
- Copy of Revised Design Memorandum for the Maher Water Treatment Facility Upgrades, dated 1/24/17 (*presented by:* Tata & Howard)
- Copy of Proposed Water Usage Rates for 7/1/17 to 6/30/18, dated 1/20/2017 (*presented by:* Hans Keijser)
- Copy of Proposed Service Fees for Fiscal Year 2018 for 7/1/17 to 6/30/18, dated 1/20/2017 (*presented by:* Hans Keijser)
- Newspaper clippings (*presented by:* Hans Keijser)

