

4 Turkey Hill Road  
Newtown, CT 06470  
Tel (203) 270-4300  
Fax (203) 426-9968



Marianne Brown,  
Chairman

Fred Hurley,  
Director

WATER AND SEWER AUTHORITY  
*THESE MINUTES ARE SUBJECT TO APPROVAL BY THE WATER AND SEWER AUTHORITY*

The Water and Sewer Authority held a regular meeting, Thursday, November 12, 2020. The meeting was held remotely due to COVID-19 mandates and precautions. The meeting was called to order at 7:02pm.

**Present (via google meets):** Lou Carbone, Gene Vetrano, Marianne Brown, Mark Benedict, Carl Zencey

**Absent:** George Hill, Alan Shepard

**Also Present (via google meets):** Director of Public Works Fred Hurley, Julio Segarra, Mike Burke and Jon Arneth from Suez Environmental Service

**Public Participation** – None

**Minutes** – G. Vetrano moved to approve the minutes of the 10/8/20 meeting. L. Carbone seconded, all in favor.

**Report by Suez Water Environmental Services** – J. Segarra reported that both the sewer and water are running well. Sand filters are moving along, two of the three on line. Once all are online they will do some electrical upgrades.

**Report by Public Works Director** – No Report

**UNFINISHED BUSINESS**

**Sandy Hook Pump Station** – F. Hurley reported that he is working with Eversource regarding the changeover of power. It won't be done until an electrician is contracted for this project. SHOP got their grant to develop their park next to the pump station. Landscaping of the pump station will be coordinated with them.

**Financials** – F. Hurley is working on having a budget to the board by the January meeting.

**I&I** – No Update

**48 Hanover Road** – F. Hurley met with the Health Department, the home owner and their contractor. They are going to dig test holes. If the septic can't go forward then the Health Department will come with a recommendation.

**Annual Base Compensation Adjustment** – G. Vetrano move to accept the Annual Compensation Adjustment (Attachment A). L. Carbone seconded, all in favor.

**NEW BUSINESS**

**2021 Meeting Schedule** – M. Benedict move to approve the 2021 meeting schedule (Attachment B), changing the date of the January meeting from January 14 to 7. L. Carbone seconded, all in favor.

**Comments from Board Members** – None

Having no further business, the meeting was adjourned at 7:21pm.  
Respectfully submitted  
Arlene Miles, Clerk



October 8, 2020

Mr. Frederick W. Hurley, Jr.  
Public Works Director  
Town of Newtown  
4 Turkey Hill Road  
Newtown, CT 06470

Subject: Town of Newtown WSA  
Annual Base Compensation Adjustment

Dear Mr. Hurley:

As per Section 6.2 of the Operation, Maintenance, and Management Services Agreement for the Town of Newtown Water and Wastewater Facilities that commenced on July 1, 2004, the Annual Base Compensation shall be adjusted at the start of each Agreement year. Listed below are our calculations for the proposed Total Adjusted Base Compensation (TABC) for the next Agreement Year. The TABC is consistent with our ongoing cost associated with the operation of the facility.

#### Annual Base Compensation Adjustment

Subject to Section 6.5, the Base Compensation shall be adjusted at the start of each Agreement Year in accordance with the following formula to account for annual changes in the Price Index and Influent flow, Total Suspended Solids (TSS), and BOD5.

#### Inflation Adjustment on Initial Term

$$\mathbf{ABC_0 = \$454,860 \times [271.325/199.9] = \$617,383.14, \text{ where}}$$

$$\mathbf{BC_0 = \$454,860}$$

$$\mathbf{C = 271.325}$$

$$\mathbf{C_0 = 199.9}$$

$$\mathbf{AFM = \$17.83/\text{million gallons} \times [271.325/199.9] = \$24.20/\text{MG}}$$

$$\mathbf{ATM = \$0.16/\text{lb} \times [269.070/199.9] = \$0.22/\text{lb}}$$

$$\mathbf{ABM = \$0.04/\text{lb} \times [269.070/199.9] = \$0.05/\text{lb}}$$

#### Inflation Adjustment on Renewal Term

$$\mathbf{ABC = \$69,619 \times [271.325/253.598] = \$74,485.51, \text{ where}}$$

$$\mathbf{BC_0 = \$69,619}$$

$$\mathbf{C = 271.325}$$



$$C_0 = 253.598$$

#### Flow and Loads Adjustment

$$\Delta \text{Flow} = 0.449 - 0.53 = -0.081 \text{ MGD, where}$$

$$TF_1 = 0.449 \text{ MGD}$$

$$TF_0 = 0.53 \text{ MGD}$$

$$\Delta \text{TSS} = 781 - 703 = 78 \text{ lbs, where}$$

$$TT_1 = 781 \text{ lbs}$$

$$TT_0 = 703 \text{ lbs}$$

$$\Delta \text{BOD5} = 788 - 999 = -211 \text{ lbs, where}$$

$$TB_1 = 788 \text{ lbs}$$

$$TB_0 = 999 \text{ lbs}$$

#### Total Adjusted Base Compensation

$$TABC = ABC_0 + ABC + (\Delta \text{Flow} \times 365 \text{ days} \times \text{AFM}) + (\Delta \text{TSS} \times 365 \text{ days} \times \text{ATM}) + (\Delta \text{BOD5} \times 365 \text{ days} \times \text{ABM}), \text{ where}$$

$$TABC = \$617,383.14 + \$74,485.51 + (-0.081 \text{ MGD} \times 365 \text{ days} \times \$24/\text{MG}) + (78 \text{ lbs} \times 365 \text{ days} \times \$0.22/\text{lb}) + (-211 \text{ lbs} \times 365 \text{ days} \times \$0.05/\text{lb})$$

$$TABC = \$617,383.14 + \$74,485.51 + (\$715.49) + \$6,182.79 + (\$4,181.31)$$

$$\mathbf{TABC = \$693,154.63}$$

From the calculations above, the adjusted annual base compensation fee starting July 1, 2020 is proposed to be \$693,154.63. The breakdown of the new annual base fee of \$693,154.63 will be \$596,112.98 for the Newtown WPCF and \$97,041.65 for the Fairfield Hills Water Treatment Facility. Attached, are the formula definitions from our Agreement as well as the flow and loads data for the Agreement year.

Please review this submittal and provide us with your comment. If you have any questions or need any additional information, please call me at 914-844-2043.

Sincerely,

A handwritten signature in black ink that reads "JC Arneth".

Jon Arneth  
Area Manager

## ANNUAL BASE COMPENSTATION ADJUSTMENT

- (i) The adjusted Base Compensation for changes in Price Index and average daily flows and loads:

$$TABC = ABC + (\Delta \text{ Flow} \times 365 \text{ days} \times AFM) + (\Delta \text{ TSS} \times 365 \text{ days} \times ATM) + (\Delta \text{ BOD5} \times 365 \text{ days} \times ABM), \text{ where}$$

TABC = Total Adjusted Base Compensation

ABC = Adjusted Base Compensation

AFM = Adjusted Flow Multiplier = \$17.83/million gallons  $\times [C/C_0]$

ATM = Adjusted TSS Multiplier = \$0.16/lb  $\times [C/C_0]$

ABM = Adjusted BOD5 Multiplier = \$0.04/lb  $\times [C/C_0]$

- (ii)  $ABC = BC_0 \times [C/C_0]$ , where

$BC_0$  = Base Compensation as of the commencement date of this Agreement.

$C$  = Price Index (as defined in Appendix A) for the tenth month of the Agreement Year just ended.

$C_0$  = Price Index (as defined in Appendix A) for the month two months prior to the commencement date of this Agreement.

- (iii)  $\Delta \text{ Flow} = TF_1 - TF_0$ , where

$TF_1$  = The average daily Influent flow in millions of gallons for the Agreement Year just ended.

$TF_0$  = The average daily Influent flow in millions of gallons specified in Baseline Conditions.

- (iv)  $\Delta \text{ TSS} = TT_1 - TT_0$ , where

$TT_1$  = The average daily Influent TSS load in pounds for the Agreement Year just ended.

$TT_0$  = The average daily Influent TSS load in pounds specified in Baseline Conditions.

- (v)  $\Delta \text{ BOD5} = TB_1 - TB_0$ , where

$TB_1$  = The average daily Influent BOD5 load in pounds for the Agreement Year just ended.

$TB_0$  = The average daily Influent BOD5 load in pounds specified in Baseline Conditions.

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**TOWN OF NEWTOWN**  
WATER AND SEWER AUTHORITY

2021 Meeting Schedule

The Newtown Water and Sewer Authority will hold meetings at 7:00pm in the meeting room at the Treatment Plant, Commerce Road, Newtown, CT on the second Thursday of the month.

Thursday, January 7 (First Thursday)

Thursday, February 11

Thursday, March 11

Thursday, April 8

Thursday, May 13

Thursday, June 10

Thursday, July 4

Thursday, August 12

Thursday, September 9

Thursday, October 14

Thursday, November 4 (First Thursday)

Thursday, December 9

Thursday, January 13, 2022