

PUBLIC UTILITIES COMMISSION
WALLINGFORD ELECTRIC DIVISION
100 JOHN STREET
WALLINGFORD, CT 06492

TUESDAY, JULY 21, 2020

6:30 P.M.

AGENDA

THE PUBLIC UTILITIES COMMISSION MEETING WILL BE HELD **REMOTELY** ON JULY 21, 2020 AT 6:30 P.M. AND WILL BE ACCESSED THROUGH:

<https://global.gotomeeting.com/join/165468549>

You Can Also Dial In Using Your Phone:

United States: (Toll Free) 1-877-568-4106

United States: +1(786)535-3119

Access Code: 165468549

1. Pledge of Allegiance
2. **CONSENT AGENDA**
 - a. Consider and Approve Meeting Minutes of June 16, 2020.
 - b. Consider and Approve – Electric – Transfer – A/C 372 – Distribution Plant Leased Property – Private Lights.
3. Items Removed from Consent Agenda
4. Discussion and Action: Approval of the Director's Report for the Month of June, 2020.

WATER/SEWER

5. Discussion and Action: Resolution – Migneault.
6. Discussion and Possible Action: Billing Issue – Marin.
7. Discussion and Action: Approval and Adoption of Water and Sewer Charges.
8. Discussion: Proposed Revisions to the Policy Regarding Reimbursement of Infiltration and Inflow Removal Costs.

9. Discussion: WPCF Upgrades Project Update.

PUC

10. Correspondence
11. Committee Reports

PUBLIC QUESTION AND ANSWER PERIOD: 7:00 P.M. – 7:15 P.M.

Individuals in need of auxiliary aids for effective communication in programs and services of the Town of Wallingford are invited to make their needs and preferences known to the ADA Compliance Coordinator at 203-294-2070 five days prior to meeting date.

DRAFT

**PUBLIC UTILITIES COMMISSION
WALLINGFORD ELECTRIC DIVISION**

**100 JOHN STREET
WALLINGFORD, CT**

Tuesday, June 16, 2020

6:30 P.M.

MINUTES

**TOWN OF
WALLINGFORD**

JUN 22 2020

**DEPARTMENT OF
PUBLIC UTILITIES**

The meeting was held via teleconference. In attendance were:

Chairman Robert Beaumont (TC); Commissioners Patrick Birney and Joel Rinebold (TC);
Director Richard Hendershot (TC); Electric Division General Manager Tony Buccheri (TC),
Office Manager Tom Sullivan (TC); Water and Sewer Divisions General Manager Neil Amwake
(TC); Office Manager William Phelan (TC); WED Energy Conservation Specialist Walter
Szymanski (TC); Recording Secretary Bernadette Sorbo (TC).

Members of the Public – Steve Gale (TC)

(TC-TELECONFERENCE)

Mr. Beaumont called the Meeting to order at 6:30 P.M., and the pledge of Allegiance was
recited.

1. Pledge of Allegiance

2. Consent Agenda

- a. Consider and approve Meeting Minutes of May 19, 2020
- b. Consider and Approve Electric Division Transfer – Account 586 – Distribution
Operations – Meter Expense

Motion to approve the Consent Agenda:

Made by: Mr. Birney

Seconded by: Mr. Rinebold

Votes: 3 ayes

3. Items Removed from Consent Agenda – None

**4. Discussion and Action: Approval of Director's Report for the Month of May,
2020**

Mr. Birney stated that after reviewing the May 2020 Director's Report and the June 2020
Director's Report that he noticed a lot of duplication. But no mention of agenda item #9. Mr.

Birney would like to have seen more information in regards to item #9. Mr. Birney would like to have focused more on hot button issues that are the subject matter of the meeting vs. reiteration of the information that is being provided by Mr. Amwake and Mr. Buccheri.

Motion to approve the Director's Report

Made by: Mr. Birney

Seconded by: Mr. Rinebold

Votes: 3 ayes

5. Discussion and Action: Electric Division – Approval of Electric Vehicle Project

Mr. Szymanski stated that SmartCharge New England is a newly developed collaboration between Energy New England, the WED's current wholesale power supply agent, and FleetCarma. Mr. Szymanski referenced the proposal included in the meeting packet that was submitted for review by the PUC. Mr. Szymanski stated that the Electric Vehicle Pilot Program is a methodical and analytic driven approach to assess current and near term customer electric vehicle charging behavior and determine the viability of an incentive program to influence customer behavior to avoid costs during peak load time periods. FleetCarma would provide a C2 device that plugs into the diagnostic port of the Electric Vehicle. This is a customer driven program where the customer would sign up for the program and login into their portal. The C2 device which is used as cellular technology to transfer the data is sent directly to the customer and the customer installs this. The benefit of this program is that WED will be able to see the data from each participant in the Pilot Program.

Mr. Rinebold commented that the Electric Vehicles are coming. The pricing is extremely reasonable and he supports the program as well as the bid waiver.

Mr. Birney concurs with Mr. Rinebold's comments. Mr. Birney questioned on how the project will advance and how will the project be managed with the retirement of Mr. Szymanski?

Mr. Hendershot responded that a lot of help will come from Energy New England.

Mr. Birney questioned on how the consumers will know that the project will be up and coming?

Mr. Szymanski stated that this is referenced on page 5-5 Pilot Program Implementation. The marketing of this Program Pilot will be initiated by the WED through bill stuffers, the quarterly newsletter and other low cost alternatives prior to enlisting Energy New England for an additional and more expansive public outreach effort.

Mr. Beaumont suggested that once the bid waiver is approved, WED should put together a newsletter or press conference.

Mr. Buccheri advised that Mr. Szymanski has agreed to work with WED on a part time basis until his position is filled.

83 **Motion to approve the requested bid waivers associated with the Electric Vehicle Project**

84 **Made by: Mr. Birney**

85 **Seconded by: Mr. Rinebold**

86 **Votes: 3 ayes**

87
88 **6. Discussion and Possible Action: Electric Division – PCA Adjustment**

89
90 Mr. Hendershot emphasized the memo that Mr. Sullivan sent over late in the day on June 16,
91 2020. The summary of power costs for the month of May 2020 and an updated purchased power
92 forecast from Energy New England have been received. Mr. Sullivan was able to update and
93 improve the analysis which resulted in a larger credit. The actual value, based on the updated
94 information, is a credit value of \$(0.013159) per kWh. The previous estimate from June 9 was
95 \$(0.011442).

96
97 **Motion to approve the PCA as calculated today by the WED Business Office Manager Tom**
98 **Sullivan**

99 **Made by: Mr. Birney**

100 **Seconded by: Mr. Rinebold**

101 **Votes: 3 ayes**

102
103 **Public Question and Answer Period**

104
105 Mr. Hendershot commented that the Electric Division received an email from a Wallingford
106 customer with some other questions to read in regards to the Electric Vehicle Program discussed
107 earlier on in the meeting.

108
109 Mr. Buccheri read the questions.

110
111 The first question was in regards to the incentives as the customer could not locate this
112 information in the proposal.

113
114 Mr. Buccheri explained that the proposal that is being put forward is to collect data. Based on
115 that data WED will recommend a rate or some other incentive for off peak charging.

116
117 The next question was if the program was only aimed towards residential customers, if there will
118 be charging stations at Stop & Shop, Walmart, Train Stations, etc., and is there data for these
119 stations?

120
121 Mr. Buccheri responded that WED does not at this point. This is more for Electrical Vehicle
122 Owners. This is to monitor their charging habits. Are they charging during peak hours, what
123 does that do to WED and what incentives can WED offer to customers to charge on off peak
124 times?

125
126 The last question was what is WED's approach to load management?

127

- 128 a. Increasing power supply during peak demand summer afternoon with renewable
129 generation storage.
130 b. Time of use rate that can be adjusted as these changes occur.
131

132 Can we quickly explain why alternative metering and other solutions would not be economically
133 viable?
134

135 Mr. Buccheri responded that there is not a quick answer to this question. These options have
136 been looked at in the past. Right now to put that infrastructure in place requires significant
137 investment and does not look like it would provide the return. With the size of utility that WED
138 is it would certainly increase the head count and WED would need to increase computed power
139 to do significant analysis in order to make that investment and pay back for the WED.
140

141 Mr. Hendershot responded that the gist of the question revolves around the concept of time of
142 use rates, which requires time of use metering and time of use billing. Quite some time ago,
143 WED looked into cost of the metering infrastructure to accomplish this. Mr. Hendershot stated
144 that what Mr. Buccheri was referring to above was data manipulation and administration. In
145 order to do this, WED would have to replace all meters and go to full Automatic Metering
146 Infrastructure. This would then involve Communication Infrastructure which would reduce
147 headcount. WED has not done this as this was very costly and the time of use rates would either
148 grossly under or over collect if the rate structure does not exactly match the load shape and
149 structure of the cost.
150

151 Mr. Beaumont commented that capital cost is significant to begin with.
152

153 Steven Gale presented himself and questioned on the Bid Waiver. What is the point of the
154 program if the time of day rates are out of the question?
155

156 Mr. Hendershot responded that WED envisioned a few times each month through Energy of
157 New England identify impending likely pending peak moments and notify the Electric Vehicle
158 Customers. Or carve out certain times of day where WED does not want the customers to
159 charge. WED would monitor the customer's behavior and reward the customers who stay away
160 from those times.
161

162 Mr. Gale questioned if this was going to be done for the Vehicle Program why not reward
163 customers for not using electrical on off peak times?
164

165 Mr. Hendershot responded that the Vehicle Program is being monitored through cellular
166 technology through third party reporting. In order to monitor the residential electric WED would
167 need to implement the infrastructure stated above.
168

169 The Public Question and Answer Period Closed
170
171
172

173 **7. Discussion and Action: Water and Sewer Divisions – Set Date and Time for the**
174 **Public Hearing for the Water/Sewer Rate Changes**

175
176 Mr. Amwake presented a PowerPoint presentation for the Updated Sewer Usage (\$/ccf) Charges.
177 See attached for a copy of the presentation.

178
179 Mr. Beaumont questioned on the Item No. 7-33, Proposed Rate Model. For the FY 24, 25, 26
180 includes other capital improvements on Phase II?

181
182 Mr. Amwake responded that this is correct.

183
184 **Motion to set the date of the Public Hearing as July 16, 2020 at 6:30 p.m. in Town Council**
185 **Chambers**

186 **Made by: Mr. Birney**

187 **Seconded by: Mr. Rinebold**

188 **Votes: 3 ayes**
189

190 **8. Discussion: WPCF Upgrades Project**
191

192 Mr. Amwake reviewed the building and facility construction. He stated that the construction is
193 substantially complete for the Anaerobic Basin with the exception of installation of the 6 invent
194 mixers, the scum trough and the weir baffle.

195
196 At the Intermediate Pump Station, the contractor is in the process of installing seven (7) slide
197 gates for this structure, ranging in size from 12-inches square to 6-feet by 3-feet.

198
199 For the Main Street Piping, the contractor has installed 60 linear feet of 36-inch effluent piping
200 from the RBC's (RBCE) to the IPS, and 60 linear feet of 36-inch influent piping from the IPS to
201 the Anoxic Basin (AXI). The electrical subcontractor is in the process of installing a 28-conduit
202 duct bank between the Primary Settling Tanks and the AB towards Main Street.

203
204 At the Tertiary Phosphorous Building (TPB) the Contractor continues to place rebar and form the
205 exterior and interior walls. The concrete installation is approximately 75%± complete for this
206 building.

207
208 At the UV Disinfection/Post Aeration Building (UV/PA) the structure passed both the
209 quantitative and the qualitative hydrostatic tests for the exterior walls. The next step is to
210 backfill the interior space to subgrade and pour the floor slabs.

211
212 Construction Contract Payment Applications – C. H. Nickerson

213 Original Contract Sum \$45,507,000.00

214 Net Change by Change Orders (\$47,432.14)

215 Contract Sum to Date \$45,459,567.86 As of May 15, 2020

216
217 Construction Contract Schedule

218 Original Completion Date February 10, 2022

Net Change Schedule Days 0
Contract Completion Date February 10, 2022

**9. Discussion and Action: Approval of Proposed Settlement Agreement Regarding
FERC Docket EL. 16-19-000**

Mr. Hendershot advised that he needs to endorse or recommend the proposed settlement agreement as written in the materials that were provided, which would then require Town Council approval of the settlement agreement. The Council Chairman given the nature of the material will hold an Executive Session.

Mr. Birney advised that he sent an email out to Attorney Jan Small earlier in the day. Mr. Birney questioned Mr. Hendershot on the email that was sent out giving instructions to the PUC not to discuss the matter.

Mr. Hendershot responded that he was advised to keep this discussion limited and brief.

Mr. Birney was uncomfortable with the fact that the Town Council is reviewing this agreement in an Executive Meeting. He questioned why the PUC is not discussing this in Executive Session as the PUC is the body which is charged by the Town Charter to act as the Legislative Body for all issues regarding the utility business. Mr. Birney stated that he would not vote to approve this based on the comments and that he had questions for Mr. Doyle.

Mr. Beaumont questioned if the PUC cannot have an Executive Session?

Mr. Hendershot responded that he was advised that they were not allowed to have an Executive Session as this did not meet the criteria for Connecticut FOI.

Mr. Rinebold responded that he is in the same position as Mr. Birney as he would like more information on the scheduled payments. Mr. Rinebold would be satisfied if Mr. Hendershot could discuss the memo 9-66 as opposed to the direct settlement agreement as this is all that he needs to confirm.

Mr. Hendershot responded that he should be able to.

Mr. Rinebold questioned if the allocation and total allocation of \$483,420.71 is correct and if this is Mr. Hendershot's understanding of the allocation. Mr. Hendershot responded that this is correct. Mr. Rinebold stated that he believes the allocation figures are very fair. He is concerned that if not reviewed the entire settlement could be disrupted.

Motion to endorse the proposed Settlement Agreement, as outlined above
Made by: Mr. Rinebold
Seconded by: Mr. Beaumont
Votes: 2 ayes; Birney – nay

55 **ADJOURNMENT**

266
267 **Motion to adjourn**

268 **Made by: Mr. Birney**

269 **Seconded by: Mr. Rinebold**

270 **Votes: 3 ayes**

271
272 The meeting was adjourned at approximately 8:31 p.m.

273
274 Respectfully submitted,

Respectfully submitted,

275
276
277
278 Bernadette Sorbo
279 Recording Secretary

Joel M. Rinebold
Secretary



Town of Wallingford, Connecticut

THOMAS SULLIVAN
BUSINESS OFFICE MANAGER

DEPARTMENT OF PUBLIC UTILITIES
ELECTRIC DIVISION
BUSINESS OFFICE
100 JOHN STREET
WALLINGFORD CT 06492
PHONE 203-294-2030
FAX 203-294-2027

Memo

To: Tony Buccheri, General Manager
Cc: Richard Hendershot, Director of Public Utilities
From: Thomas Sullivan, Business Office Manager
Date: July 15, 2020
Re: Fiscal 2019-2020 budget transfer

Account 372 – Distribution Plant – Leased Property – Private Lights

Attached for your review is a request for a budget transfer in fiscal year 2019-2020 in the amount of \$15,600 to Account 372 - Distribution Plant – Leased Property. This account reflects the material costs for new private light installations on customer premises and the replacement our customer's existing high pressure sodium (HPS) lights with LED light fixtures. As you are aware, the Electric Division has been auditing our street lights and private lights to identify those lights that were in need of repair. Consistent with the Electric Division's LED replacement program, each of the HPS lights in need of repair is replaced by an LED fixture. A review of the recent activity shows that materials used in the upgrade of private lights were accounted for incorrectly. In order to properly account for the materials used and to account for fiscal year-end reconciliations, the attached transfer will be needed to complete the fiscal year.

Funds are available from Account 369 – Distribution Plant - Services, where the activity has been less than expected for the fiscal year.

Please review the attached budget transfer and forward as appropriate for action by the Public Utilities Commission and Town Council.

ITEM NO. 25-1
PUC AGENDA 7/21/20

TOWN OF WALLINGFORD, CONNECTICUT

Honorable William W. Dickinson, Jr. Mayor
Wallingford, CT 06492

Date: July 15, 2020

1. Request for X transfer of funds
 appropriation of funds

Fiscal year 2019-2020

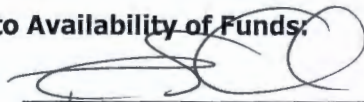
Funds: Electric operating X capital project
Water operating capital project
Sewer operating capital project

\$ 15,600 From: Distribution Plant – Services Acct. No. 369

\$ 15,600 To: Distribution Plant – Leased Property-Private Lights Acct. No. 372

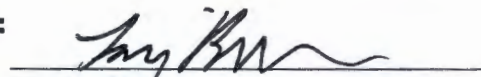
Explanation: See attached memo

Certified as to Availability of Funds:

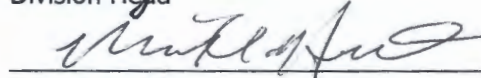

Office Manager

Date: 7-15-20

Submitted by:


Division Head

Date: 7/15/20


Department Head

Date: 7/15/20

Approved by vote of the Public Utilities Commission subject to the approval of the Mayor and Town Council

Chairman, Public Utilities Commission

Date: _____

Certified as to Availability of Funds:

Comptroller

Date: _____

Approved – subject to the approval of the Town Council

Mayor

Date: _____

II Certification of the Financial Transaction:

The transfer or appropriation of \$ _____ as detailed and authorized above and as approved by a vote of the Town Council in session is hereby certified.

I hereby certify that this is the motion approved by the Town Council at its meeting of _____, 20____.

Town Clerk

ITEM NO. 26-2
PUC AGENDA 7/21/20



Town of Wallingford, Connecticut

RICHARD HENDERSHOT
DIRECTOR

DEPARTMENT OF PUBLIC UTILITIES
100 JOHN STREET
WALLINGFORD, CONNECTICUT 06492

TELEPHONE 203-284-4016
FAX 203-294-2267

DIRECTOR'S REPORT June 2020

DIRECTOR'S OFFICE/DEPARTMENT-WIDE

All three Divisions continued with their modified work practices in response to the COVID-19 pandemic. These practices will continue until the Town "re-opens". Employees are being kept separated as much as possible and everyone is now wearing a mask or face covering in the workplace per rules issued by the CT DECD. There is no public access to the buildings without an appointment, which means that all customers who continue to wish to pay their bills in person must make individual arrangements to be let into the buildings to make payment. Non-payment shutoffs remain suspended, as do in-the-field collection efforts as well as all on site meter work, to the extent possible.

On June 10, WED GM Buccheri and I met with the Mayor to review the WED's request to fill the impending Account Clerk vacancy due to Barbara Letourneau's impending retirement. The position has since been approved and advertised. On June 25, Neil Amwake led the PUC and the Director on a walk-through tour of the WPCF Upgrades construction site. Earlier that same day, the Director and Energy New England completed the most recent forward energy buy, which resulted in very favorable load-following hedges in 2022, 2023, and 2024. The Director had initiated this effort on June 10.

ELECTRIC DIVISION

Office Building Review

The Architect has updated the plan-view drawings per staff's comments. The next step is for the WED to work with the Architect to determine if the first piece of work in this effort should be a new roof for the entire WED building, vs. converting the empty garage bays into office space. The WED, after consulting with the Architect, has decided to include evaluation and replacement of the existing roof within any scope of work that results from this effort.

Wallingford Renewable Energy ("WRE") Solar-PV Interconnection

WRE continues to hold its expected "go live" date of by December 31, 2020, with an overall scope for the PV-array of 15-MWs. The WED continues to refine its Facility Plan. The system protection and control design has been completed and drawings issued. The contractor has begun site work at the solar fields.

Primary URD Replacements

Ashlar Village has finally performed the necessary surveying work so that proper easements can be developed.

CTDOT

Staff has begun to coordinate with CTDOT regarding their proposed effort to update various signal facilities along Colony Road.

A necessary Frontier pole replacement has been accomplished and as-built drawings have been provided, so now the WED can proceed with seeing to the energization of the new ornamental street lights along Hall Avenue.

Service work during May included ten (10) new services, 16 service changes, and no (0) retired services.

Street light work included 112 LED street light conversions and four (4) street light repairs. To date, 2,799 LED streetlights have been installed, with 1,836 HPS streetlights remaining to be replaced.

During June, 23 poles were replaced, along with 16 aged overhead transformers. In fiscal 2020, the Division replaced just over 200 poles; their goal had been to accomplish 150 pole replacements.

As of the end of the month, 80 A-base meter installations have been updated, three (3) have been removed, and 213 remain to be addressed.

Personnel

Interviews of candidates for the Accountant I position took place during June, and in early July a preferred candidate was identified and a conditional offer has been made.

The Division had advertised for both a First Class Lineman position and an Apprentice Lineman position to address a Lineman vacancy. There was only one qualified applicant on the external list for First Class Lineman, and so the Division elected to address the vacancy with a new Apprentice Lineman, who moved over from the Meter Technician Apprenticeship program. There is now a vacant Meter Technician Apprentice position to fill, and that effort has begun.

A list of candidates for the vacant System Operator position was provided and interviews took place. An internal candidate was selected and has begun to train in the position. This promotion resulted in a new vacancy, for a Stockperson. This vacancy has been posted and is being advertised.

The vacant Meter Reader position will be filled by an existing Town employee, who will come to the Electric Division from Public Works.

The vacant Chief Engineer position has been posted and advertised. HR now needs to conduct the oral exams.

The vacant Chief Meter Technician position was posted and advertised. HR now needs to conduct the oral exams.

Electric System Metrics

System input for June totaled 49,162-MWh, which was 4.6% more than June 2019. Maximum system demand for the month was 112.4-MW. This value is 2.9% greater than the peak demand from June 2019.

Average System Availability Index ("ASAI") for Jay was computed at 99.9901%. Monthly values for the other tracked indices are as follows:

SAIDI (System Average Interruption Duration Index):	4.2553 minutes
SAIFI (System Average Interruption Frequency Index):	0.0475
CAIDI (Customer Average Interruption Duration Index):	89.6 minutes

May Wholesale Power Supply

The percentage of the WED's total energy hedged was 98.0%. The forecasted hedging level for May was 91.3%.

WED's all-in purchased power costs per MWh:

- May actual = \$89.16
- 2018/2019 FY budget forecast (1/15/18) for May = \$93.68
- Prevailing six-month average PCA forecast (1/1/20-6/30/20) = \$90.84

WED's generation cost per MWh:

- Average cost for hedged volume = \$39.39
- Average cost for total volume = \$39.04

WATER DIVISION

Water Division experienced two (2) water main leaks and one (1) service leak during June.

Stand-by Generators for Well 1, and Wells 2/3. Overall, this effort has been delayed due to the pandemic's impact on the supply of key components. A revised schedule from the contractor now has work being completed by the end of September. Some paving work was accomplished during June.

The State DOT and Town Public Works each completed, for now, several milling and paving efforts, each of which required Water Division personnel to locate and, as needed, adjust or repair existing water system valve boxes.

Fuel Oil Tank Replacement at Pistapaug Water Treatment Plant. Contractor site work began in late June. A temporary above-ground tank has been sited and connected to the emergency generator. The existing underground tank and related piping has been emptied of fuel oil, and excavation over and around the existing underground tank has begun.

Contract 36R - Pond Hill Road, Wallace Street, Bonnie Court and Ward Street. The contractor completed new water main installation on Wallace Street, and is nearly finished with new water main installation on Ward Street.

Engineering Studies Regarding Ulbrich Dam. This QBS effort remains on hold pending decisions regarding how and when to proceed, in light of COVID-19 safety protocols.

The annual water main flushing program finished Zone 2 during June and has advanced into Zone 3.

Personnel

The vacant Junior Engineer position will be filled with a new employee beginning August 3, 2020.

The Division filled the vacant Chief Maintainer position via an internal promotion effective June 28. This in turn has created a vacancy for a MAINTAINER II, and an Employment Authorization has been submitted.

A new Operator I began work at Pistapaug Water treatment Plant on June 30, and two additional new Operator I's are expected to begin late July and mid-August, respectively.

The effort to replace the retiring Water and sewer Divisions Business Manager (Office Manager) has begun. The Employment Authorization has been approved and position was advertised on July 10 (and will close on August 11).

Water Division Metrics

Water production for June totaled 128.3-million gallons, an increase of 2.8% from June 2019.

Reservoir storage at month's end was at 91.2% of total effective impoundment. The historical average for June is 90.9%.

Precipitation for the month totaled 1.9 inches, which is 1.8 inches below the historical average for June.

SEWER DIVISION

Sewer Division staff responded to and resolved a total of eight WWTP alarms, collection system trouble calls and vehicle issues during June.

Durham Road sewer main replacement – the topographic survey has been completed and a draft plan was received June 3. Engineering staff continue to work on developing the plans and specifications for this project.

WPCF Upgrades Project

Staff will next provide a written update of the status of this effort at the PUC meeting on July 21.

During June, the collection system staff did not televise any sewer main, but 103 feet of previously televised sewers were flushed during the month.

Staff performed 53 manhole inspections during June, and repaired or adjusted 15 manholes.

Personnel

The Sewer Superintendent position was filled through the promotion of Dan Sullivan, effective June 21. The now vacant Assistant Sewer Superintendent position has been advertised internally, and closed June 29.

A vacant Attendant I position remains so, after two (2) qualified candidates decided not to take the screening exam on June 25.

An existing Clerk Typist II within the office staff has announced plans to retire. The vacancy was posted internally July 2, and will close July 13. An existing list of external candidates was supplied on July 6.

Wastewater Division Metrics

At the Wastewater Treatment Plant, the average daily flow during June was 4.1-MGD, which is 1.06-MGD less than the average daily flow of June 2019. The 12-month rolling average daily flow is 5.3-MGD, which is below the 90% permit threshold of 7.2-MGD.

Average phosphorus concentration was 0.78 mg/L, which was 0.34 mg/L more than June 2019. The current permit level is 0.70 mg/L.

Nitrogen discharge for the month averaged 343 pounds per day. This amount is slightly more than the June 2019 discharge rate of 334 pounds per day, and is over the permit level of 269 pounds per day. The annual average so far is 473 pounds per day.

Private Side I/I Mitigation Program

During June, correspondence and inspections were suspended due to the pandemic. One (1) inspection took place, at the request of a homeowner, to address a sump pump connection to the sanitary sewer. Since inception, the I/I program has conducted 1,784 inspections, identified 214 locations with connections, and corrected 144 issues.

Respectfully submitted,



Richard Hendershot
Director – Public Utilities

RAH/kaw

RAHCorrespondence/director's report/Directors

HEDGING RESULTS DISCUSSION

This memorandum summarizes the actual results for May from a portfolio hedging perspective. The analysis and statistics provided exclude the market price load for NuCor. While there is some market discussion involved to frame the spot market purchasing results, this is not intended to be a full settlements discussion, but rather to pick up on key aspects of the hedging policy including:

1. Hedge coverage levels
2. Market risk tolerance to and impact of spot market purchases
3. Locational price impacts to WED – congestion or LMP spreads
4. Treatment of unit contingent resources

In sum, the positions and approach for the month were in accordance with WED's Hedging Policy. The impact of the costs of the open position will inform hedging decisions going forward.

WED Power Cost Actual vs Budget May-20			
a	Forecast Load MWH on 1/15/19		43,627
b	Actual Load MWH		39,317
c	Load Forecast Accuracy %		-9.9%
d	Total Energy Cost Ave \$/MWH	\$	39.04
e	1/15/19 Projected Total Energy Cost Cost Ave \$/MWH	\$	36.43
<u>Metric 1</u>			
	DA Net Forecast Deviation % (Absolute Value)		3.92%
1.a	MWH Purchased in Real Time (DA forecast < Actual Load)		455
1.b	DA Net Forecast Deviation (of Total Load)		1.2%
1.c	MWH Sold in Real Time (DA Forecast > Actual Load)		(1,077)
1.d	DA Net Forecast Deviation (of Total Load)		-2.7%
<u>Metric 2</u>			
2.a	% Hedged (Total Resources/Load)		98.0%
2.b	% Hedged Forecasted (Forecasted Resources/Forecasted Load) on 4/15/20		91.3%
2.c	Average Energy Cost of Hedged Load (includes NYPA Capacity & Transmission)	\$	39.39
<u>Metric 3</u>			
3.a	Cost of Hourly Short Position (\$/MWH)	\$	17.67
3.b	MWH		1,329
3.c	Cost (Short MW * DA LMP @ HUB)	\$	23,486.47
<u>Metric 4</u>			
4.a	Basis \$/MWH for Resources purchased at HUB/Roseton node	\$	(0.18)
4.b	Total Energy Purchased MWH		30,701.10
4.c	Locational Spread Penalty (+) /Benefit (-)	\$	(5,639.58)
<u>Metric 5:</u>			
5.a	Value of Hourly Long Position (\$/MWh)	\$	(22.90)
5.b	MWH		(555.73)
5.c	Cost (-)/Benefit (+) (Long MW *(Ave Purchase \$ - DA LMP @ HUB))	\$	(12,727.25)

Table 1 Wallingford's Monthly Power Cost Actual vs Budget and Demand bidding results

* All information provided excludes the MWH consumption and the pass-through costs for the market NuCor special market contracts.

Page 2
ITEM NO. 4-5
PUC AGENDA 7/21/20

Actual versus Projected Total Energy Cost

Actual load came in 9.9% less than the monthly projection from January 15, 2019. Actual average of the total energy cost per MWH was 7.15% greater than projected total Energy cost from the January 15, 2019 budget.

Overall Load Coverage

WED's Hedging Policy calls for between 80 and 100% of its energy requirements to be hedged for the current quarter, and there is a threshold limiting WED from being long energy on a must-take basis by more than 5% of its monthly native load requirements. Beyond that point, ENE is required to provide a report to WED describing the situation and the net impacts to WED.

WED's resources consist of NYPA, blocks and the load following purchases with PSEG, Exelon, NextEra, and Shell. Whereas both PSEG and Shell have bilaterals settling at the CT zone.

The hedged position for the month was 98.0% (does not include Pierce), and daily load coverage ranged between 88.46% and 104.84%. The forecasted hedged position from April 15, 2020 monthly projection was 91.3%.

The energy load following purchases WED made in its own name provides specific percentages of WED's hourly load requirements less the market price load. WED has also made some block bilateral purchases. Thus, on warmer days as WED's load increased the load follow purchase volumes increased while the fixed block energy purchases remained constant volume, leading to lower hedged percentages on those days. The opposite will occur on milder temperature, lower load days.

WED's load forecast model, which is utilized for demand bidding, performed within an average absolute value percent of a 3.92% error rate for the month. This resulted in 622.30 MWH of WED's load being sold in the real-time market.

* All information provided excludes the MWH consumption and the pass-through costs for the market NuCor special market contracts.

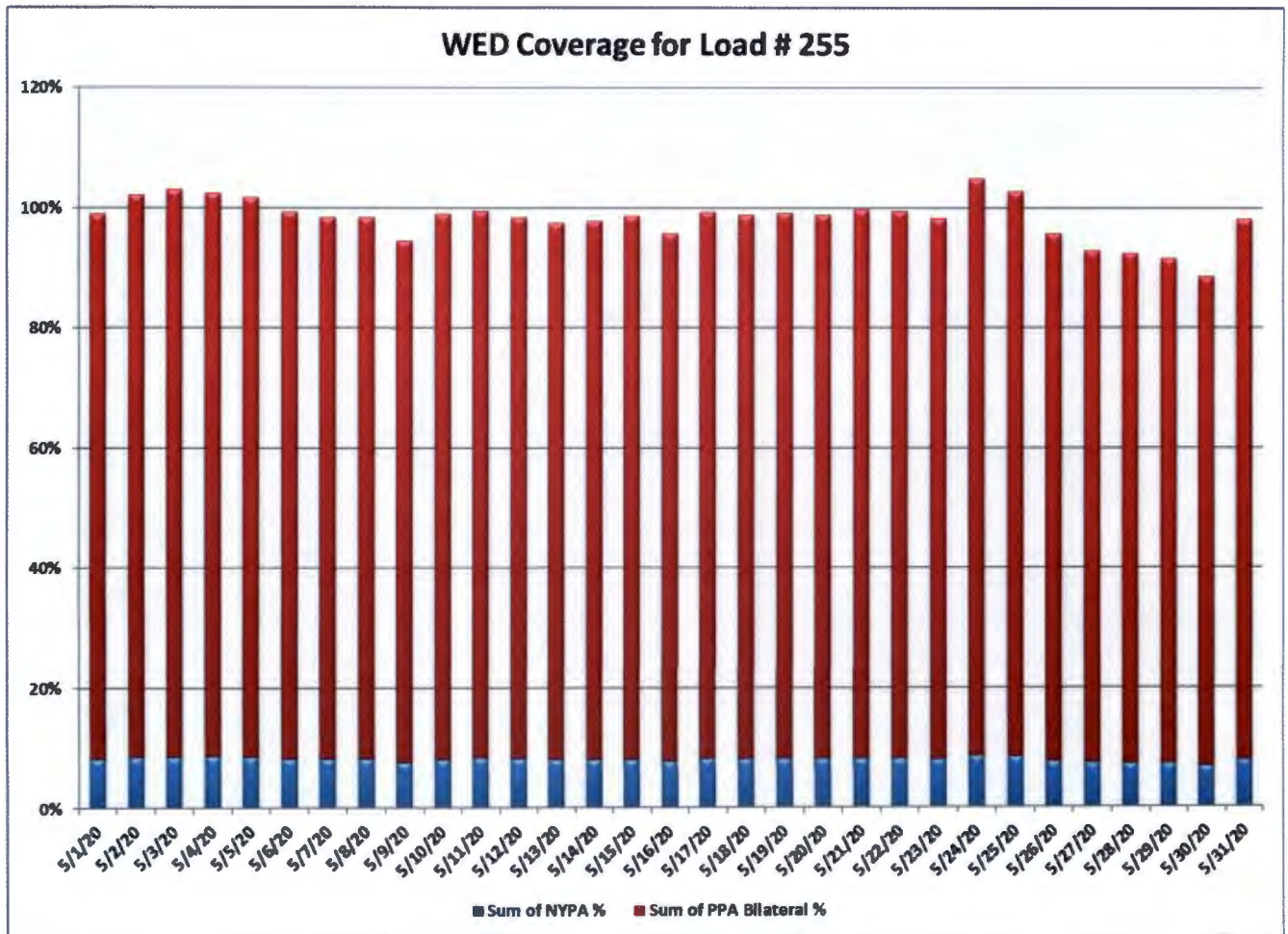


Figure 1 WED daily hedged percentages

Figure 1 illustrates WED's daily coverage throughout the month. warmer weather days will show lower coverage amounts since some of the bilateral purchases are for a fixed volume. This illustrates the balancing required when a portfolio utilizes both block and load following purchases.

Spot Market Prices

As Figure 2 illustrates, Spot market natural gas (AGT) prices averaged between \$1.06 and \$1.76/MMBTU. The Day-Ahead On-peak Hub LMP for the month averaged \$18.23/MWH, and Day-Ahead Off-peak Hub LMP averaged \$15.17/MWH. MA Hub Max for the month was \$32.42/MWH.

* All information provided excludes the MWH consumption and the pass-through costs for the market NuCor special market contracts.

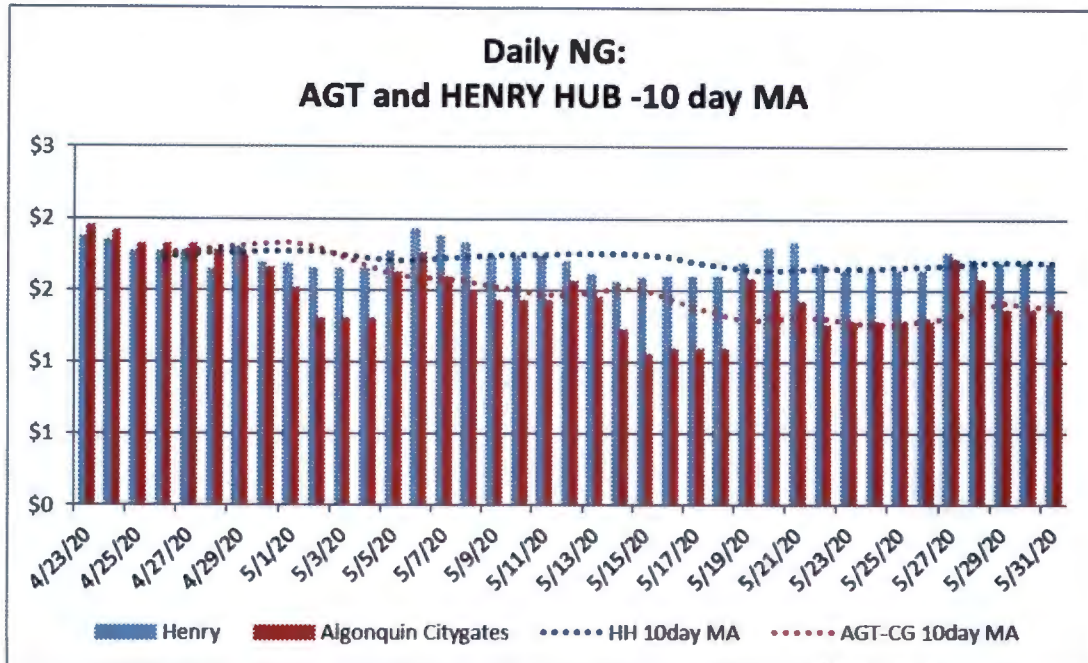


Figure 2 Daily and 10 day moving average Henry Hub and Algonquin Gas City Gate Prices

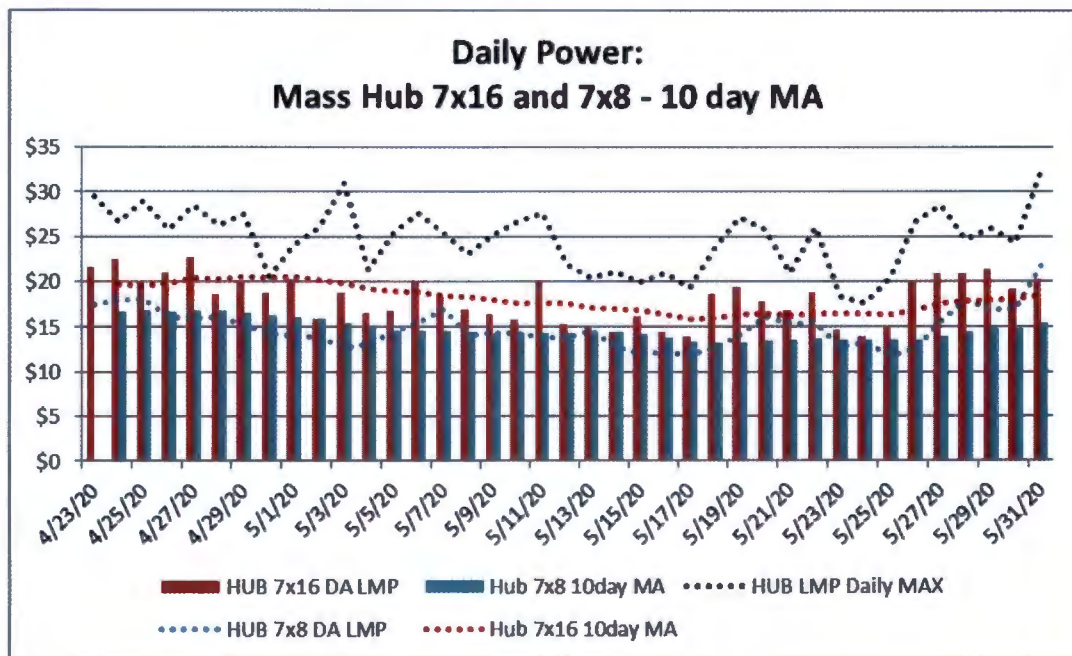


Figure 3 Daily and 10-day moving average HE 1-7, 24 and HE 8-23 MA Hub LMP

* All information provided excludes the MWH consumption and the pass-through costs for the market NuCor special market contracts.

Page 5
ITEM NO. 4-8
PUC AGENDA 7/2/20

Volatility in the hourly spot market will affect WED's daily energy costs based on how much power was open to the spot market each day.

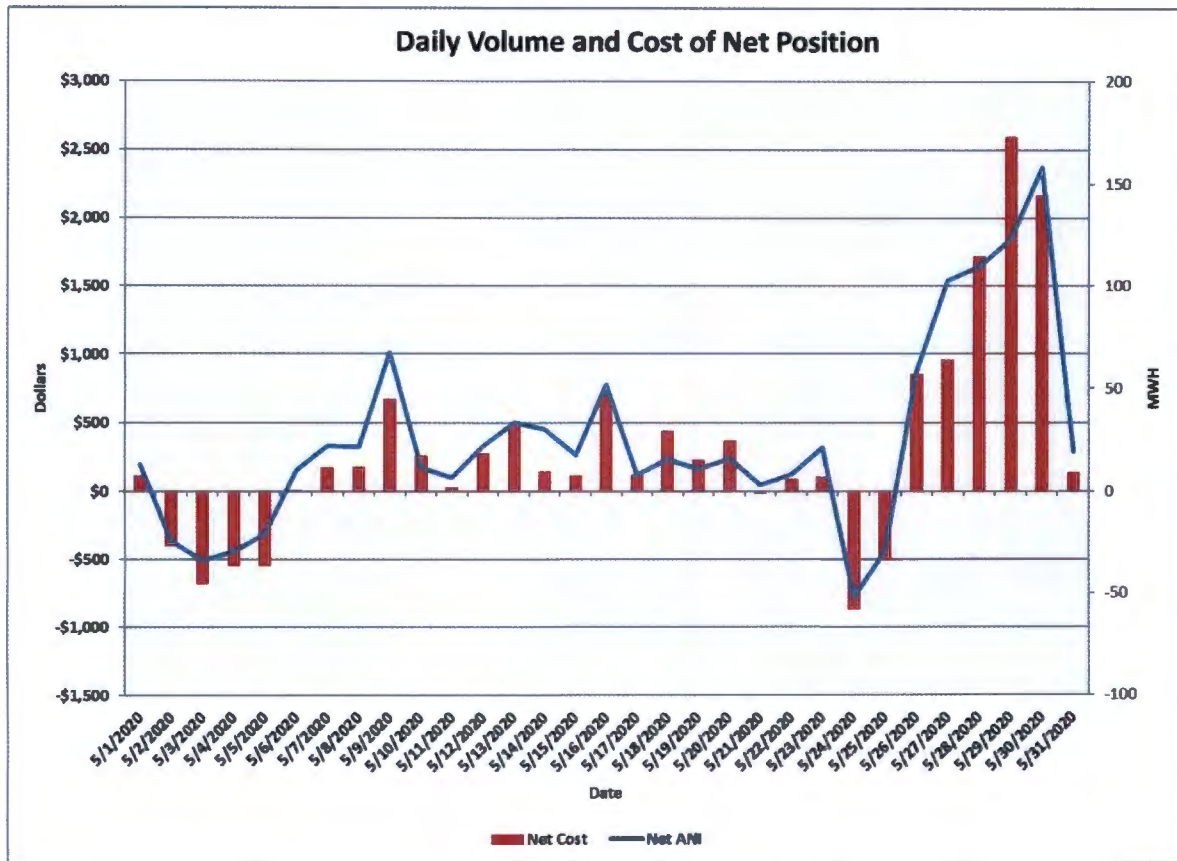


Figure 4 Daily cost of WED open position

* All information provided excludes the MWH consumption and the pass-through costs for the market NuCor special market contracts.

Locational Marginal Price Spreads

As you can see in Table 2 WED's purchases at the MA Hub, and NYPA, bilaterals through ENE, resulted in a locational spread benefit of \$5,639.58. Locational spread is the difference between the average \$/MWH received for a resource versus the average \$/MWH paid for load.

The total for the month also includes the resettlement on the CMEEC invoice. The load is also reduced by NuCor with the .78% loss addition.

Table 2 Wallingford's Portfolio Summary

Portfolio Summary - ISO							
Settlement Date	Location ID & Name		Adjusted Net Interchange	Nodal Value	\$/MWH Nodal Value	Locational Spread (Penalty) Benefit	\$/MWH Spread
May-20	4004	Load	(39,316.61)	\$ (650,209.64)	\$ 16.54		
	4000	MASS HUB	27,528.52	\$ 462,084.62	\$ 16.79	\$ 7,990.06	\$ 0.29
	4004	CT	7,841.86	\$ 128,349.83	\$ 16.37		
	4011	NYPA	3,172.58	\$ 50,326.24	\$ 15.86	\$ (2,350.48)	\$ (0.74)
	RT Marg Loss/External Dist			\$ (43.84)			
Totals			(773.66)	\$ (9,492.79)	\$ 12.27	\$ 5,639.58	\$ 0.18
January	Meter Reading Resettlement			\$ (6,913.71)			
	CMEEC Resettlement			(320.08)			
Totals			(773.66)	\$ (16,726.58)	\$ 21.62		

Pierce Entitlement

While CMEEC settles the Pierce project financially with WED, it is important to note that while the peaking resource provides capacity and locational forward reserve cost offsets and market revenues, it can be called upon to deliver energy as well. Pierce ran on 5/2, 5/14, 5/16, 5/17, 5/20, and 5/26 this month. Pierce is a dispatchable resource and will run based on its variable price bids relative to higher-still locational marginal prices at its generation node. Due to the very high bidding requirements and the projected variable costs of running Pierce, and the fact that it is a dispatchable resource, any MWs that run will not be considered in developing WED's hedging purchases.

* All information provided excludes the MWH consumption and the pass-through costs for the market NuCor special market contracts.

TO: Rick Hendershot, Wallingford Director of Public Utilities

FROM: Craig Kieny, Energy Initiatives, Inc.

DATE: July 8, 2020

RE: **WHOLESALE POWER SUPPLY SUMMARY**

This memo provides summary-level information regarding: May 2020 Wholesale Power Costs net of charges to Bristol Myers¹ and NuCor; CMEEC charges for June 2020; Recent and Pending Transactions; Market Price Trends and Wholesale Power Market Developments.

Executive Summary

- May actual load was 9.9% below budget.
- Total Wholesale Power Costs for May were \$89.16/MWh; 3.8% lower than the 2019/2020 budget projection of \$92.68/MWh.
- May load was 98.0% hedged, compared to the April 2020 forecasted hedge percentage of 91.3%.
- Total Energy costs for May were \$39.04/MWh; 7.2% more than the budgeted value of \$36.43/MWh.
- Basis credits totaled \$5,640 (\$0.18/MWh) for the 30,701 MWh of hedges purchased at the Hub and Roseton.
- The Pierce project resulted in a net benefit of \$50,337, or \$1.28/MWh of the WED's total load net of NuCor's market-priced load.
- On June 25, 2020 ENE conducted a procurement on WED's behalf to purchase 20% of WED's projected annual energy needs for 2022-2024. Load Following contracts for 10% of needs for 2022-2023 were entered with both Shell and PSEG, and 20% of 2024 annual needs with Shell.

May 2020 Wholesale Power Costs

The overall load forecasting error for May was 9.9% (actual load was 9.9% below budget).

The WED's total Wholesale Power Costs (including ENE administrative charges and WED charges to Account 557 excluding Market Priced Load charges) for May were \$89.16/MWh. This is 3.8% lower than the 2019/2020 budget (ENE 1/15/19 forecast) of \$92.68/MWh. Despite the lower loads to allocate fixed costs over, per-unit costs were lower than budget mainly due to lower than budgeted transmission expenses. NEPOOL OATT/ISO Tariff expenses were approximately \$385,400 under budget and LNS charges were approximately \$18,250 under budget due to lower than projected billing peaks. In addition, Forward Capacity Market charges were approximately \$10,200 over budget.

¹ Although Bristol Myers is no longer an end-use customer, it is still being assigned Forward Capacity Market charges because it contributed to WED's load at the time of the New England peak in 2018. These charges will continue to be assigned until that billing determinant expires at the end of June 2020.

98.0% of WED's load was hedged, compared to the projected hedged level of 91.3% in the 4/15/2020 3-year Forecast prepared by ENE.

As noted in ENE's *Hedging Results Discussion*, the WED's overall average cost for Energy in May was approximately \$39.04/MWh, 7.2% more than the budgeted Energy cost of \$36.43/MWh. This figure includes the following:

- WED hedges purchased from Exelon, NextEra, NYPA, and Shell which averaged \$39.39/MWh.
- Purchases at spot market prices for unhedged volume. In hours in which it was short energy, the WED purchased 1,329 MWh through the spot market at a weighted-average price of \$17.67/MWh, for a total cost of \$23,483. This is a decrease of \$28,866, or 55.1%, compared to had this energy been purchased at the WED's average hedge price.
- In hours in which it was excess, the WED sold approximately 556 MWh at an average price that was \$22.90/MWh less than its weighted-average hedge price in those same hours, for a total "loss" of \$9,164. This means the WED was excess in hours with low LMPs relative to its hedge price (hourly excesses and shortfalls are inherent in hedging with Blocks whose volumes do not change on an hourly basis as load changes).
- The on-peak DAM LMP at the Hub averaged \$18.23/MWh, while the off-peak LMP averaged \$15.17/MWh. DAM spot market prices ranged from \$11.39/MWh to \$32.42/MWh.
- Basis (difference in spot market prices between the source of the energy and the CT Load Zone) credits and charges consisted of a credit of \$7,990 (\$0.29/MWh) for 27,529 MWh delivered to the MA Hub plus a charge of \$2,350 (\$0.74 /MWh) for 3,173 MWh of NYPA energy delivered to the Roseton Interconnection between New York and New England, for a net credit to the WED of \$5,640 (\$0.18/MWh) for 30,701 MWh purchased.
- All other ISO-NE costs or credits associated with the WED's load requirements for the month.

The DAM load forecasting error was 3.92%, resulting in 455 MWh purchased and 1,077 MWh sold in the Real Time Market (the intent is for 100% of the WED's load to clear in the DAM; inaccuracy in forecasting, which is inevitable to some degree, results in some load clearing in the RTM through either a purchase or a sale in most hours).

CMEEC Charges for June 2020

May participation in the Pierce project resulted in gross benefits of \$63,176 (recall that the benefits/costs are distributed on a one-month lag).

The charges for CMEEC Administrative and General Costs (A&G), in addition to the WED's contractual pro rata share of A&G costs allocated directly to Pierce, were as follows:

CMEEC Admin and General Cost Item	Monthly Charge
A&G Charge for Energy Contracts	\$731
Allocation of Pierce Ownership Interest	\$12,839

Total	\$13,570
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These two amounts result in a net benefit of \$49,606. Net benefits associated with Pierce were \$50,337, or \$1.28/MWh of WED's total load for the month net of NuCor.

Recent and Pending Transactions

On June 25, 2020, ENE conducted a procurement on WED's behalf to purchase 20% of WED's projected annual energy needs for 2022-2024. Load Following contracts for 10% of annual needs for 2022-2023 were entered with both Shell and PSEG, and with Shell for 20% of 2024 annual needs.

WED's annual minimum and maximum hedge percentages for Q3 2020 along with its hedge percentage following this procurement are shown in the table below:

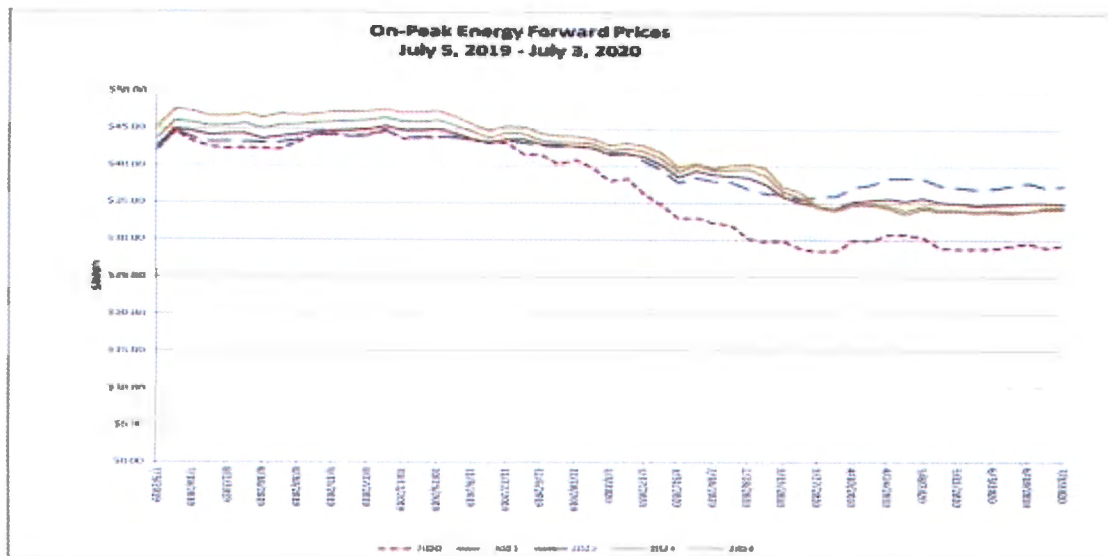
Year	Min Hedge % per Hedging Policy	Hedge % After Procurement	Max Hedge % per Hedging Policy
2020	80%	92%	100%
2021	70%	90%	95%
2022	50%	80%	80%
2023	30%	60%	60%
2024	10%	35%	40%

WED is not required to make another purchase to meet the minimum hedge level per the Hedging Policy until Q3 2021 by which point it will be required to make a minimum purchase of 5% for 2025. By the end of Q1 2022 WED is required to purchase at least 5% of 2024 and another 10% of 2025 annual energy needs. WED will also be required to make a purchase of at least 10% of 2023 annual energy needs by the end of Q3 2022. WED is not required to make any additional purchases for 2021 and 2022.

With respect to the maximum hedge levels allowed per the Hedging Policy, WED can make a purchase of up to 5% of 2021 annual energy requirement in Q3 2020; however, WED is already at its self-imposed limit of 90%, so additional purchases for 2021 are not likely. In Q3 2020, WED can also make a purchase of up to 5% of 2024 annual energy needs. In Q4 2020, WED can purchase up to 10% of 2022 and 2023 annual energy needs and an additional 10% of 2024 needs.

Market Price Trends

The plot below shows forward market prices for calendar year strips of On-Peak Energy at the Hub for 2020-2024 at weekly intervals from July 5, 2019-July 3, 2020.



Forward energy prices for all years were fairly stable in June. 2020 is noticeably lower than all other years due to the low spot market prices, while 2021 is noticeably higher than all other years. Recall that the WED is already at the self-imposed hedge level of 90% for each of 2020 and 2021, but does have room for purchases in each of 2022-2024.

Wholesale Power Market Developments

1. **Pierce Generation - May** – The unit was dispatched by ISO New England on May 14th and 26th for Forward Reserve Market audits and dispatched by CMEEC on May 2nd, 16th, 17th and 20th for test runs. Total unit output for the month was 277 MWh, of which 69 MWh are assigned to WED's share.

WED experienced a gross benefit from the unit of \$63,176, which was \$67,012 better than the net cost of \$3,836 assumed in the budget. Once again, the increased benefit is due mainly to lower maintenance and staff expenses than budgeted. There was also a true-up for debt-service investment income for January through April that was applied in May; CMEEC did not provide the amount of the true-up.

2. **COVID-19 Load Impact** – Total energy consumption for WED customers, net of the NuCor load that is served at market prices, was 47,855 MWh in June 2020. This is 4.4% higher compared to June 2019 on a non-weather-adjusted basis, although there were 2 more weekdays and 2 fewer weekend-days in June 2020 compared to June 2019. Adjusted for days of the week, June 2020 load was approximately 2.26% higher than June 2019.

June 2020 was significantly warmer than June 2019 with 16 Heating Degree Days (HDD) and 242 Cooling Degree Days (CDD), compared to 21 HDD and 157 CDD in June 2019. With less HDD and more CDD, we would expect the load for June 2020 to be significantly higher than that of June 2019 when adjusted for days of the week; given this, it is likely that COVID-19 is still having a noticeable impact on load.

3. NEPOOL Open Access Transmission Tariff Rates effective June 2020 – NEPOOL OATT rates for Regional Network Service are increasing by approximately 15% for the June 2020-May 2021 billing period compared to June 2019-May 2020. This is a noticeably higher increase than has occurred in recent years. ISO New England is attributing much of this increase to lower loads at the time of monthly billing peaks due to behind-the-meter generation.



Digitally signed by Craig Kieny
Date: 2020.07.08 15:31:47 -04'00'



Town of Wallingford, Connecticut

TONY BUCCHERI
GENERAL MANAGER

DEPARTMENT OF PUBLIC UTILITIES
100 JOHN STREET
WALLINGFORD, CONNECTICUT 06492

TELEPHONE 203-294-2265
FAX 203-294-2267

MEMORANDUM

To: Richard Hendershot, Director of Public Utilities
Public Utilities Commission

From: Tony Buccheri, General Manager-Electric Division

Date: July 13, 2020

Re: ***Monthly Report – June 2020***

Below is a summary of reports and statistics from Electric Division Management staff for the month of June.

PROJECT UPDATES

Architectural Services RFP

- After consultation with the architect, it was decided the preferred option will be to include the roof evaluation and replacement as one of the phases of the redesign project.

Expansion of 51 John Street into 228 East Street

- 20/21 Budget will include dollars to clean up the property and install the fence and shrubs that were approved by Planning & Zoning.

WED Primary Underground Facilities

- Ashlar Village – Ashlar Village has obtained surveying and legal services to document the required easement for WED facilities.
 - Surveying work was done in February 2019.
 - Surveying results have been submitted to WED engineering for review.
- The easements remain to be finalized prior to completing engineering.
- Transformers will need to be ordered to facilitate this rebuild.

Pad-mount Transformer Inspections

- Pad-mounted transformer inspections started early 2020 when the new Distribution Technician began work at the WED. He brings over 30 years of distribution construction experience.
- We are finding a significant number of transformers that are beyond their useful life that are in need of replacement for various reasons including but not limited to deterioration, and weeping.

ITEM NO. 11-16
PUC AGENDA 7/5/20

- The current inventory will not support replacement of these units at the pace they are being found. A recommendation to increase the budget to support replacements will be coming as more data is gathered to support development of a possible budget transfer or amendment.

Wallingford Renewable Energy

- WED is working on finalizing the Facility Study. The protection and control design has been completed and drawings have been issued.
- The in-service date of 12/31/2020 has not shifted. The contractor has mobilized and construction has started.
- Bi-weekly construction status meetings have been scheduled.
- Remaining material is out for bid.
- WED still needs to review the fiber optic scope of work necessary for WED protection and control schemes. When the WRE's EPC contractor brings a fiber contractor on board, a walk down will be scheduled for this review. (No update on this – still waiting to schedule meeting with fiber contractor).

CT DOT

- WED has reviewed CDOT's upcoming paving schedule and communicated any potential conflicts to the appropriate CDOT personnel.
- WED staff is working with CDOT staff on project the state is undertaking to update all traffic signals along Rt.5 in Wallingford.
- The Frontier pole for the Hall Avenue Street Light Project has been set. Town Engineering has provided WED with the as-built drawings. WED staff is in the process of writing the work orders to install the services and energize the lights

Town Roads

- None at this time.

Personnel

- The Accountant I interviews were scheduled and conducted.
- Apprentice Linemen interviews were scheduled and conducted.
- System Operator interviews were scheduled and conducted. Mike Humowitz has been promoted into the position.
- The Stock Person vacancy created by Mike Humowitz's promotion has been posted.
- Meter Reader interviews were scheduled and conducted. The position has been filled with Larry Abele who comes to WED from the DPW.
- The Chief Engineer position was posted on April 30, 2020 – Waiting for HR to schedule oral panel.
- The Chief Meterman position was posted – waiting on HR to schedule the oral panel.
- The Mayor approved the Job Authorization to backfill the Account Clerk position vacancy created by Barbara Letourneau's retirement. Waiting for HR to schedule exam.
- Working with HR to re-evaluate the Job Description for the Energy Conservation Specialist.
- HR is working on interviewing alternatives that meet social distancing requirements; the process is currently taking longer than it normally does due to the pandemic.

Statistics/Metrics

- Total system energy input was 49.162 MwHr. This represented an increase of 4.6% when compared to June 2019.

ITEM NO. 4-17
PUC AGENDA 7/21/20

- System peak was recorded at 1700 hours on June 22, at 112.387 MW. This represented an increase of 2.9% compared to June 2019.
- Service Reliability Indices

ASAI	Average System Availability Index	0.999901
SAIDI	System Average Interruption Duration Index	4.2553 Minutes
SAIFI	System Average Interruption Frequency Index	0.0475
CAIDI	Customer Average Interruption Duration Index	89.6 Minutes

- Total incidents for June were 59 affecting 1,196 customers for a total customer hours out of 1785.15 hours.
- A-Base Meters: As of June 30, 2020 80 services have been upgraded, 3 services have been removed, and 213 remain.
- June Services: 26 applications, 10 new installations, 16 service changes, 2 temporary services, and 0 retired.
- June Street Lights: 112 LED conversions, 4 repairs. To date 2687 LED's have been installed and 1948 HPS's remain.
- There were 12 pole replacements and 2 new poles installed in June. As of June 30, 2020 just over 200 poles were set by WED staff mainly due to age and deterioration. This far exceeded the FY goal of 150 pole replacements. Many thanks to WED engineering and construction resources for this effort.
- There were 16 pole top transformers replaced and 4 new transformer installations in June.

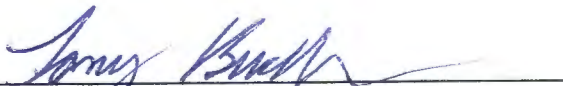
Energy Conservation

Residential

- There were 0 HES visits to residences in June.
- There were 4 heating and cooling rebates paid in June in the amount of \$1,550
- There were 5 attic insulation rebates paid in June in the amount of \$3,418.
- There were 4 heat pump water heater rebates paid in June in the amount of \$2,000.

Commercial & Industrial

- There were 6 lighting retrofit projects completed in June resulting in customers receiving \$319,628 in incentive payments.

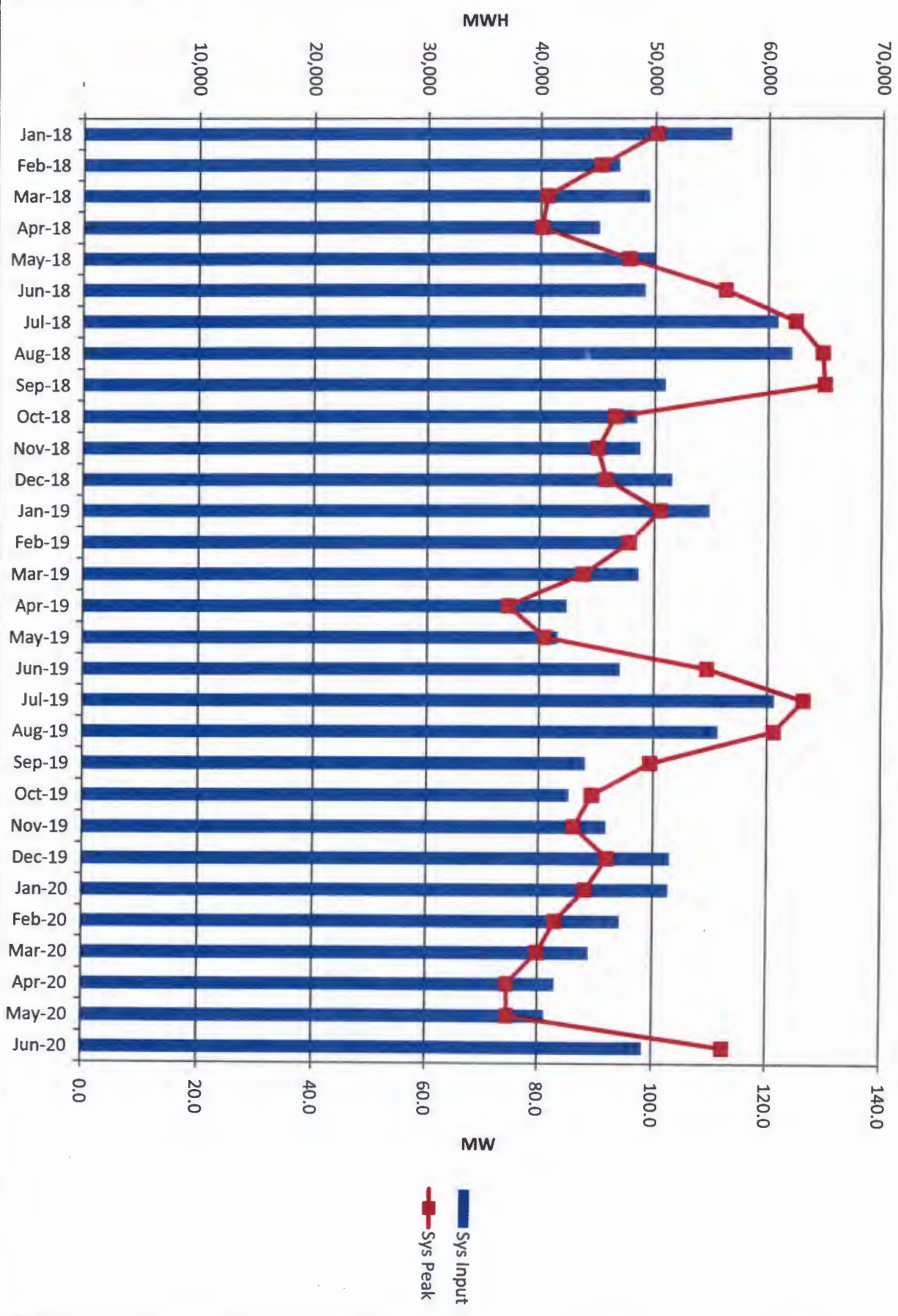

 Tony Buccheri, General Manager-Electric

TB/mhl

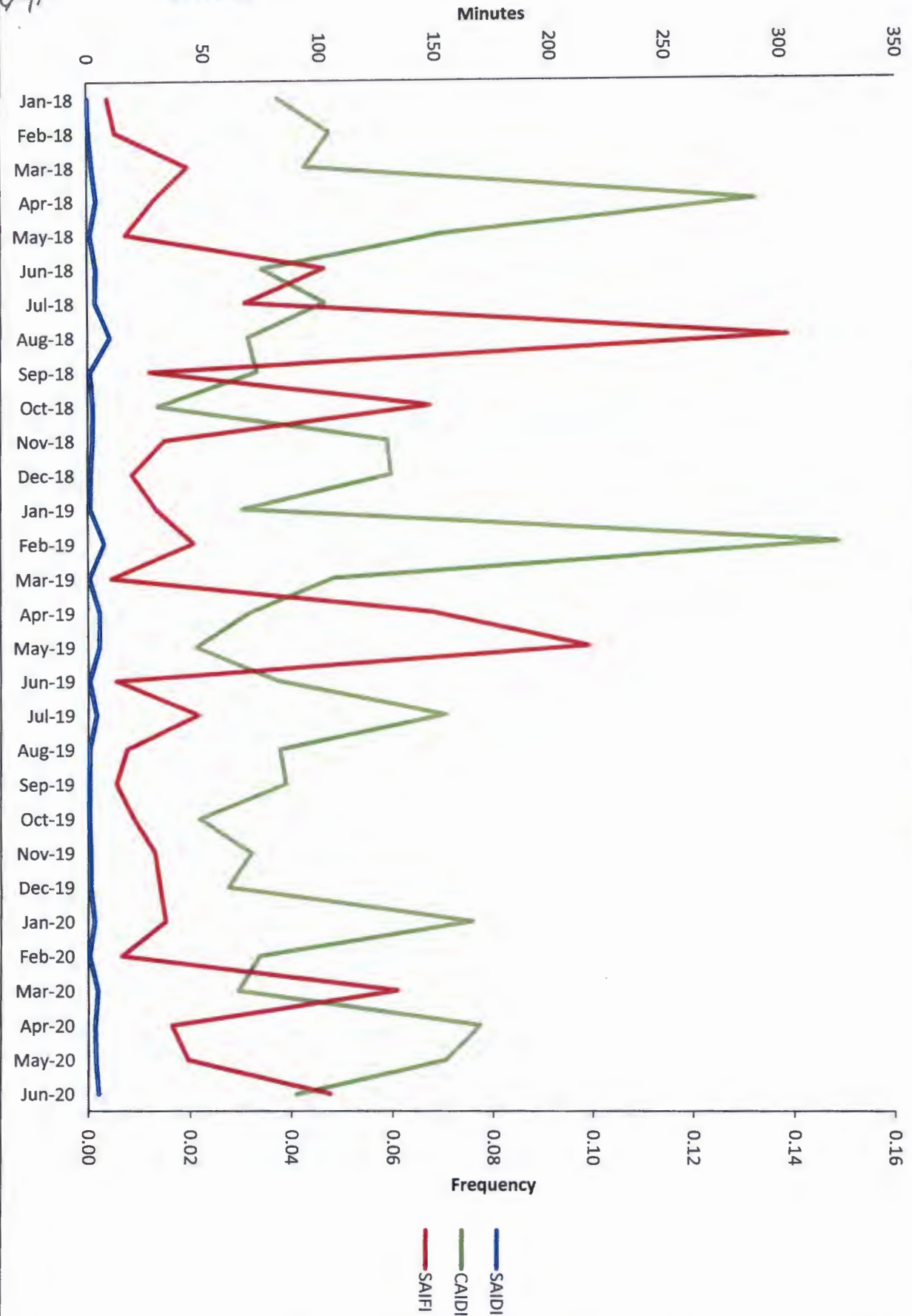
Enclosures

ITEM NO. 4-18
 PUC AGENDA 7/21/20

Sys Input & Sys Peak



WED Reliability Data (excluding storms)



ITEM NO. 7/5/20 PUC AGENDA

TOWN OF WALLINGFORD
DEPARTMENT OF PUBLIC UTILITIES
WATER AND SEWER DIVISIONS
377 SOUTH CHERRY STREET
WALLINGFORD, CT 06492
203-949-2670

INTEROFFICE MEMORANDUM

TO: RICHARD A. HENDERSHOT, DIRECTOR OF PUBLIC UTILITIES
FROM: NEIL H. AMWAKE, P.E., GENERAL MANAGER *nil*
SUBJECT: WATER DIVISION GENERAL MANAGER'S REPORT FOR JUNE
DATE: JULY 15, 2020

Major activities in the Water Division for June, 2020 included the following:

Water Main Breaks, Service Leaks and Emergencies

- * There were two water main leaks during the month: One at 445 Church Street, Yalesville (10" gate valve installed in 1965) and one at 440 Church Street, Yalesville (10" gate valve installed in 1965). Both of these leaks were caused by severely corroded bonnet bolts, which caused the bonnet assembly to slightly separate from the body of the valve when operated. This continues to be a problem with some of the valves within the distribution system, most likely due to the application of de-icing agents during the winter months.
- * There was one water service leak during the month at 240 Pond Hill Road (3/4" copper installed in 1975).

Project Updates (Engineering Section)

- * Water Main Replacement Contract 36R: Finished water main installation on Wallace Street and substantially completed the installation on Ward Street Extension. Water Division crews completed three service taps on Wallace Street.
- * Replacement of the Underground Fuel Oil Storage Tank (UST) at Pistapaug Pond Treatment Plant: The contractor began site operations in late June. A 3,000 gallon temporary fuel tank was delivered to the site and connected to the existing generator day tank. Approximately 2,500 gallons of fuel from the existing 10,000 gallon underground fuel tank was transferred to the temporary tank and the generator was successfully tested. Contractor vacuumed the remaining product out of the existing underground tank and piping. Contractor cleaned the tank and began excavating material over and around existing underground tank to be removed.
- * Stand-by Generators at Well No. 1 and at Well Nos. 2 and 3: Contractor paved the trench across the driveway at Prageman Park. Work is delayed due to supply chain issues associated with the ongoing pandemic. The contractor submitted a revised schedule anticipating completion at the end of September.

ITEM NO. 4-101
PUC AGENDA 7/21/20

Operations, Maintenance and Water Quality

- * Roadway Paving Projects: Milling and paving by the CTDOT was completed on Church Street, Yalesville (State Route 68). This work began in Cheshire at the intersection of Route 70, and extended easterly into Wallingford to the Route 5 overpass (approximately 3.83 miles). All work was performed at night. Division crews have been actively working at this location during the month to locate, repair and adjust valve boxes.

The Town also milled and paved Ward Street from South Main Street to South Colony Street. Prior to work by the Town, Water Division staff located, checked and repaired valve boxes within the project limits. For now, all paving work for the CT-DOT and the Town is complete.

- * Water Main Flushing Program: Division crews continued flushing of the distribution system. Flushing of Zone 2 has been completed, and crews are now flushing in Zone 3. Work will continue until the entire distribution system is flushed.
- * Disposal of Clean Fill: Division crews continued hauling accumulated fill material to an approved disposal site in North Haven. This material is comprised mostly of excavated earth and pavement from maintenance activities, leak repairs, and new installations within roadways. Approximately 228 cubic yards of material were disposed of during the month. Work will continue until all of the remaining material has been hauled out.
- * Driveway Paving Projects: At Sunrise Circle Pump Station, a section of the driveway remains somewhat wet and unstable. Division crews worked to install additional geo-textile and 1-1/4" processed stone road base in this area. After waiting for dry weather, the contractor was able to install the 2-1/2" binder course of pavement. We decided that it would be best to wait for the binder to cure before installing the wearing course of pavement. This work will most likely be completed in July.

At Barnes Tank, the contractor completed installation of the wearing course of pavement. Division crews will now begin work to backfill the new curb, regrade the areas along the new driveway, and establish turf.

- * The Water Quality Inspectors responded to four telephone complaints concerning water pressure and taste. The Inspectors resolved these complaints by taking pressure readings at the customer's spigots. The Inspectors advised the customers to install a pressure reducing valve or check their interior plumbing. Additionally, the Water Quality Team determined one complaint to be due to drain odor. The Inspectors resolved another complaint by explaining the Water Quality Monitoring program.

The Water Quality Monitoring Program included weekly distribution system sampling, source water monitoring, and analyses of the water entering the system from Pistapaug Water Treatment Plant and the Ridgeland Well field.

ITEM NO. 4-102
PUC AGENDA 7/21/20

Ongoing monitoring projects included the quarterly sampling and analysis for disinfection byproducts at four locations throughout the distribution system.

The Water Quality Inspectors administered the Cross Connection Control Program with:

338 cross connection surveys, none of which were for corrected violations; and;

535 cross connection device tests.

- * The Watershed Sanitary Survey continued in the month of June. Water Quality Inspectors conducted 21 field inspections, identifying potential watershed concerns and informing stakeholders on how to implement best management practices. Inspectors surveyed for concerns such as erosion, septic tank failure, motorized equipment storage, and the storage of hazardous materials.
- * Engineering Section staff responded to 358 Call Before You Dig (CBYD) tickets (requests) during the month compared to 291 CBYD tickets in June 2019.

Personnel

- * Frank Winters, Maintainer II, was promoted to Chief Maintainer - Distribution Crew effective June 28, 2020. This vacancy was created by the retirement of Tom Massoni, effective January 3, 2020.
- * Richard Radomski, Water Treatment and Pumping Operator I, began work at the water treatment plant on June 30th. Two additional Water Treatment and Operator I's are slated to begin working at the Pistapaug Water Treatment Plant in late July and mid-August.

At that time there will continue to be two full-time Water Treatment and Pumping Operator vacancies at the Pistapaug Water Treatment Plant. Operator staffing is presently being supplemented by two retired Operator II's who are each working 16 hours per week.

- * An Authorization for Employment for Maintainer II - Distribution Crew was transmitted to the Human Resources Department on June 23, 2020. This position has not yet been posted.
- * The Engineering Section's new Junior Engineer is expected to begin work on August 3, 2020.
- * An Authorization for Employment for the Office Manager (Business Manager) for the Water and Sewer Divisions was transmitted to the HR Department on May 20, 2020. This position was advertised on July 10, 2020 with a closing date of August 11, 2020.

Statistics and Metrics

- * Precipitation for the month was 1.90 inches, 1.84 inches below the historic mean of 3.74 inches for June. For the first six months of the calendar year

4-103
PUC AGENDA 7/21/20

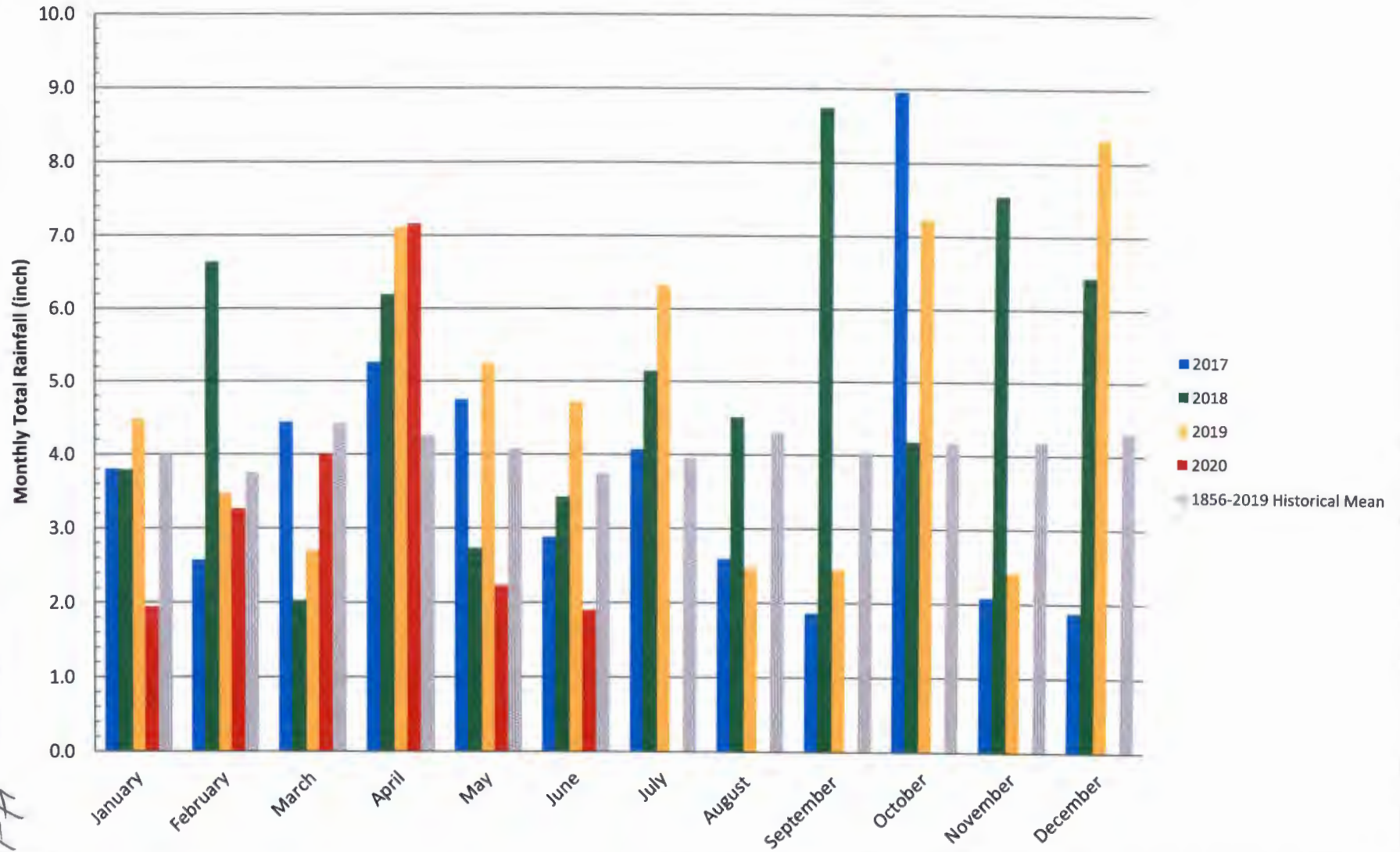
precipitation is 3.75 inches less than the average (20.49 inches versus 24.24 inches).

- * Effective reservoir storage at the end of the month stood at 91.2% (1,751.4 MG) of total effective impoundment (full 1,921.0 MG), versus the historical average of 90.9% for June (a difference of 4.3 MG). This represents approximately 409 days of supply remaining at 4.28 MG average per day drawn from the surface water reservoirs.
- * Water production for the month was 128.291 million gallons (4.28 MG average per day), an increase of 2.81% compared to June, 2019.

X:\Public Utilities Commission (PUC)\General Manager's Reports\Water Division General Manager's Report June.docx

ITEM NO. 4404
PUC AGENDA 7/21/20

**Monthly Measured Rainfall
at MacKenzie Reservoir
2017 - 2020**
Water Division
Department of Public Utilities



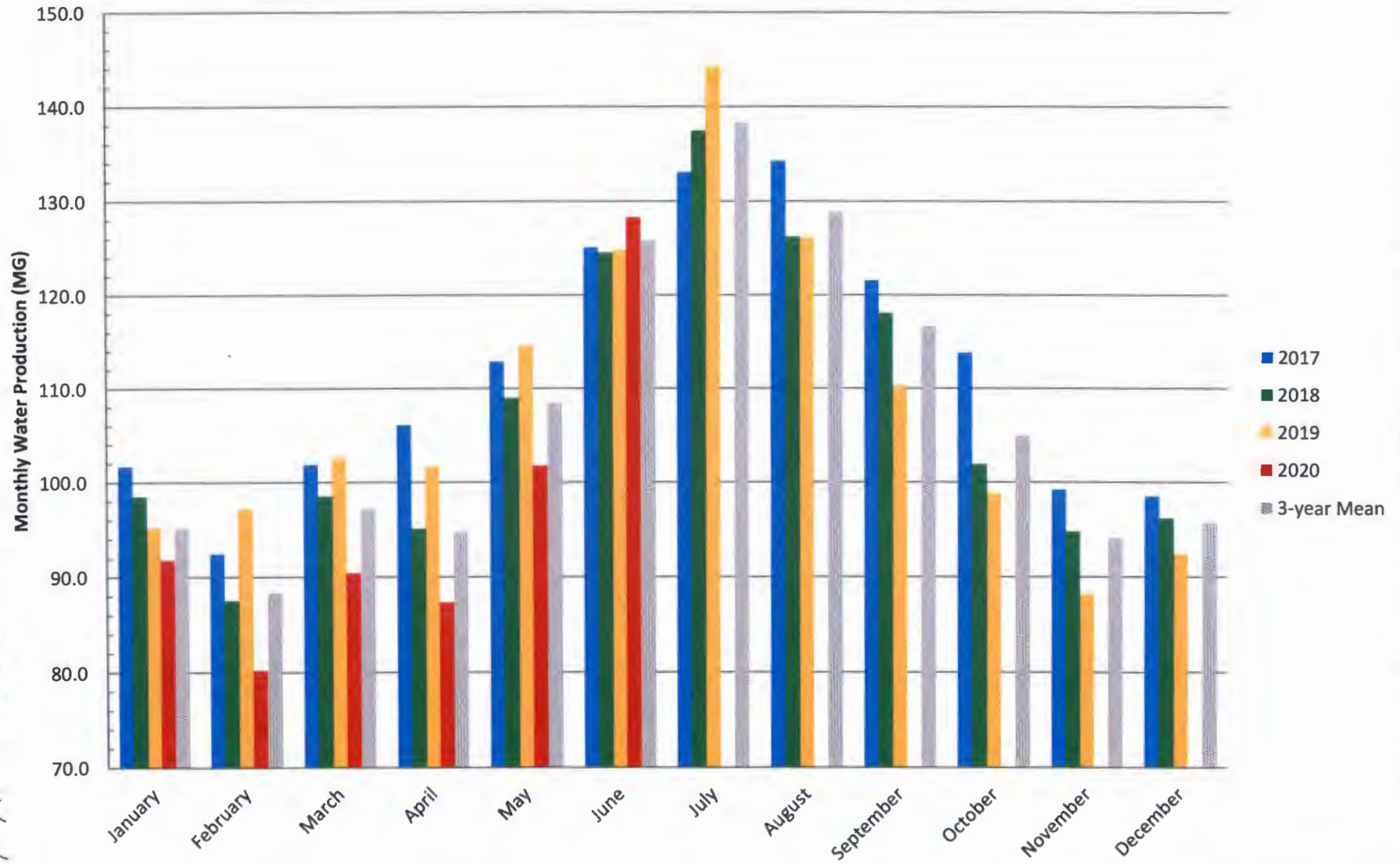
ITEM NO. 4-105
PUC AGENDA 7/21/20

Total Monthly Water Production

CY 2017 - 2020

Water Division

Department of Public Utilities



ITEM NO. 4706
PUC AGENDA 7/21/20

TOWN OF WALLINGFORD
DEPARTMENT OF PUBLIC UTILITIES
WATER AND SEWER DIVISIONS
377 SOUTH CHERRY STREET
WALLINGFORD, CT 06492
203-949-2670

INTEROFFICE MEMORANDUM

TO: RICHARD A. HENDERSHOT, DIRECTOR OF PUBLIC UTILITIES
FROM: NEIL H. AMWAKE, P.E., GENERAL MANAGER *mf*
SUBJECT: SEWER DIVISION GENERAL MANAGER'S REPORT FOR JUNE
DATE: JULY 15, 2020

Major activities in the Sewer Division for June, 2020 included the following:

Alarms, Trouble Calls and Emergencies

- * The Sewer Division responded to eight alarms and trouble calls during the month including four lateral backups (responsibility of the homeowner), a drive failure at the Highland Avenue PS (reset drive), a grease blockage in the sewer along Fritz Place (flushed the siphon), and two electrical power dips at the WPCF (reset equipment throughout the wastewater treatment plant).

Project Updates (Engineering Section)

- * Inflow and Infiltration Removal Program: Correspondence and inspections were suspended due to the COVID-19 pandemic. One inspection was requested by the homeowner to address a sump pump connected to the sanitary sewer system.
- * Durham Road Sewer Main Replacement: The topographic survey was completed in May and a draft plan was received June 3rd for review. Engineering staff continue to develop plans and specifications for the project.

Operations and Maintenance

- * The shaft for RBC 5-1 had grooves along a portion of the shaft, so a section of the RBC shaft was cut down to 6 inches in diameter and then sleeved to 7 inches in diameter (the normal diameter for an RBC shaft). The bearing for the RBC shaft was also replaced on the drive side of the shaft.
- * Collection system staff continued preventive maintenance of the system with no sewers televised (please note that the CCTV truck is currently out of service for repairs to the inverter), and 103 feet of sewer flushed during the month. Through June, 7.11 miles of sewers have been televised (3.91% of the system) and 0.64 miles of sewers have been flushed (0.32% of the system) in 2020. For reference, the gravity collection system is approximately 198.6 miles total.

ITEM NO. 4-107
PUC AGENDA 7/21/20

- * Sewer Division staff performed 53 manhole inspections during the month, and performed 15 manhole adjustments (replace the existing frame and cover with a new frame and cover, or raise the existing manhole frame with a riser ring).

Personnel

- * Daniel Sullivan, Assistant Sewer Superintendent, was promoted to the position of Sewer Superintendent as of June 21st.
- * An Authorization for Employment for Attendant I was transmitted to the Human Resources Department on February 3, 2020. The Attendant I position at the wastewater treatment plant was advertised April 9, 2020 with a closing date of May 11, 2020. Neither of the two qualified candidates opted to sit for the Merit Exam on June 25, 2020.
- * An Authorization for Employment for the Assisted Sewer Superintendent was transmitted to the Human Resources Department on June 11, 2020. The position was advertised internally only on June 17, 2020 with a closing date of June 29, 2020.
- * An Authorization for Employment for a Clerk Typist II position in the Business Office was transmitted to the Human Resources Department on June 15, 2020. The position was posted internally on July 2nd with a closing date of July 13, 2020. The Business Office received a Certified Open Competitive Register of external candidates on July 6, 2020.

Statistics and Metrics

- * Recorded influent flow to the wastewater treatment plant was 123.57 million gallons for the month, a decrease in flow of approximately 20.5% compared to June, 2019 (a decrease of 31.89 MG for the month or 1.063 MG per day average). This represents an average daily flow of 4.12 mgd for the month.
The 12-month rolling average through June, 2020 is equal to 5.29 MGD, below the 90% permit threshold of 7.2 MGD.
- * Seasonal phosphorus average discharge concentration was 0.78 mg/L which is 0.34 mg/L more than June 2019. The current permit limit is 0.70 mg/L.
- * At the wastewater treatment plant, nitrogen discharge levels averaged 343 lbs./day for the month (73.5% treatment efficiency with an influent nitrogen level of 1,309 lbs./day), versus a discharge of 334 lbs./day in June, 2019. This quantity is approximately 74 pounds over the current year's permit level of 269 lbs./day. The annualized average is 473 pounds per day to date.
- * Synagro transported 52.31 dry tons of biosolids for disposal.
- * The WPCF received 13,000 gallons of septage for the month.
- * The Maintenance Repair Technicians (MRTs) serviced 24 Department of Public Utilities vehicles in June, including twelve Electric Division vehicles (50% of time

ITEM NO. 4-108
PUC AGENDA 7/21/20

spent), six Water Division vehicles (34% of time spent), and six Sewer Division vehicles (16% of time spent).

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ITEM NO. 4-109
PUC AGENDA 7/21/20

Monthly Statistics June, 2020
Inflow and Infiltration Program
Wallingford Sewer Division
Department of Public Utilities

1.0 Correspondence	Current Month	CY to Date
1.1 Flyers (Minished)		194
1.2 Postcards (Minished Follow-up)		148
1.3 Letters		61
1.3.1 Ownership Change		52
1.3.2 Building Permit Greater than \$25,000		8
1.3.3 Lateral Re-use		
1.3.4 Water Meter Replacement		1
1.3.5 Specific Information		
Correspondence Total	0	464

2.0 Inspections Completed	Current Month	CY to Date
2.1 Residential	1	107
2.2 Commercial, Institutional, Etc.		
2.3 Dye Tests		
Completed Inspections Total	1	107

3.0 Issues Identified	Current Month	CY to Date
3.1 No Issues Found		97
3.2 Sump Pump	1	9
3.3 Rain Leaders (Downspouts)		2
3.4 Interior Floor Drains		1
3.5 Exterior Yard or Driveway Drains, Etc.		
3.6 Damaged Lateral or Private Sewer		1
3.7 Miscellaneous - MH, CB, Foundation Drain		
Issues Identified Total	1	13

4.0 Issues Corrected	Current Month	CY to Date
4.1 Sump Pump		7
4.2 Rain Leaders (Downspouts)		
4.3 Interior Floor Drains		
4.4 Exterior Yard or Driveway Drains, Etc.		1
4.5 Damaged Lateral or Private Sewer		
4.6 Miscellaneous - MH, CB, Foundation Drain		
Issues Corrected Total	0	8

5.0 Inflow Removed and Costs Avoided	Current Month	CY to Date
5.1 Inflow Gallons Removed per Year	0	312,689
5.2 Annual WWTP Costs Avoided	\$0.00	\$1,582.20
5.3 20-year Planning WWTP Costs Avoided	\$0.00	\$30,872.29

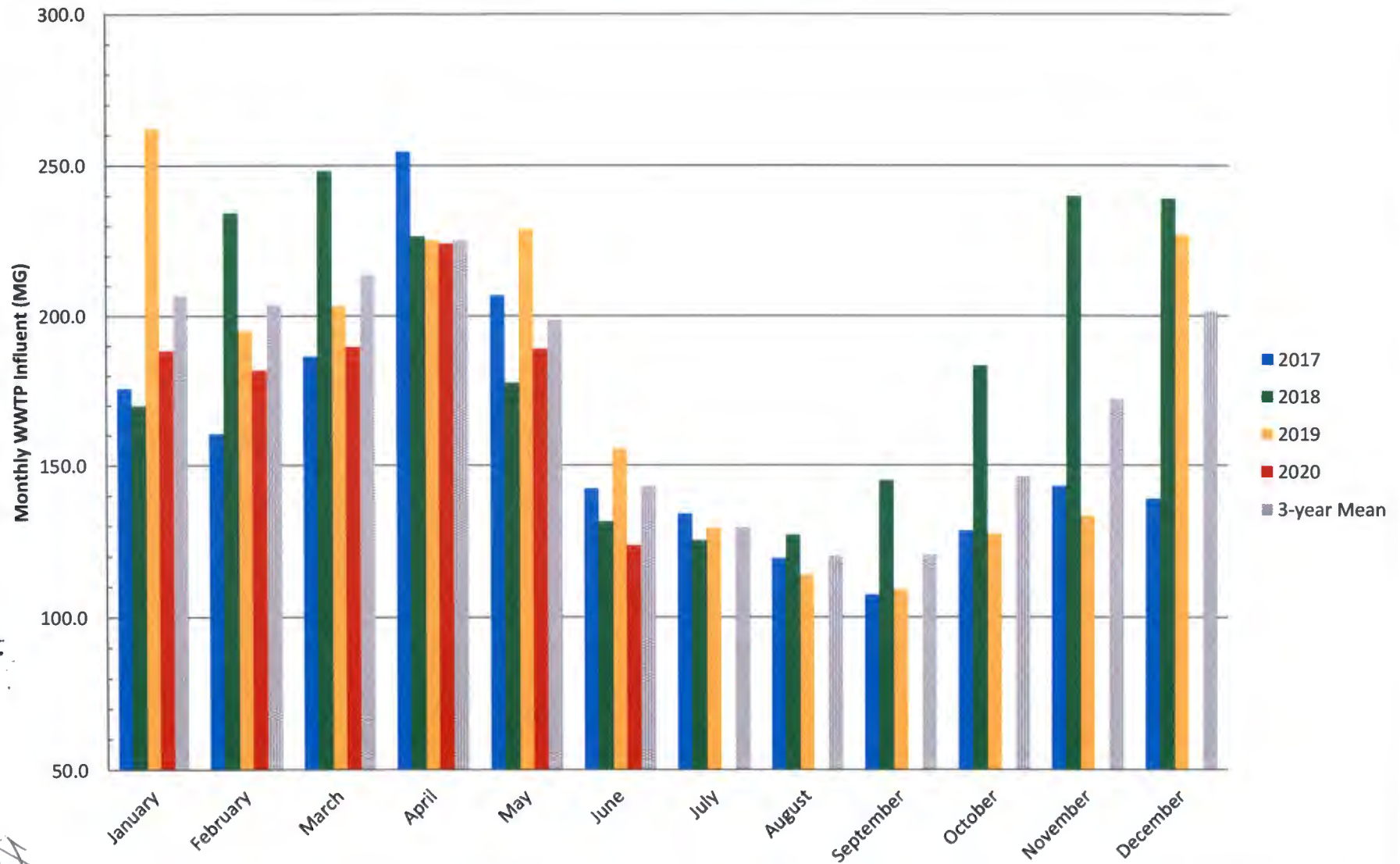
6.0 Reimbursement to Property Owners	Current Month	CY to Date
6.1 In Evaluation	\$8,916.56	\$30,989.10
6.2 Approved for Payment	\$1,000.00	\$9,273.02
6.3 Payments Made	\$0.00	\$8,273.02

Total Monthly WWTP Influent Quantity

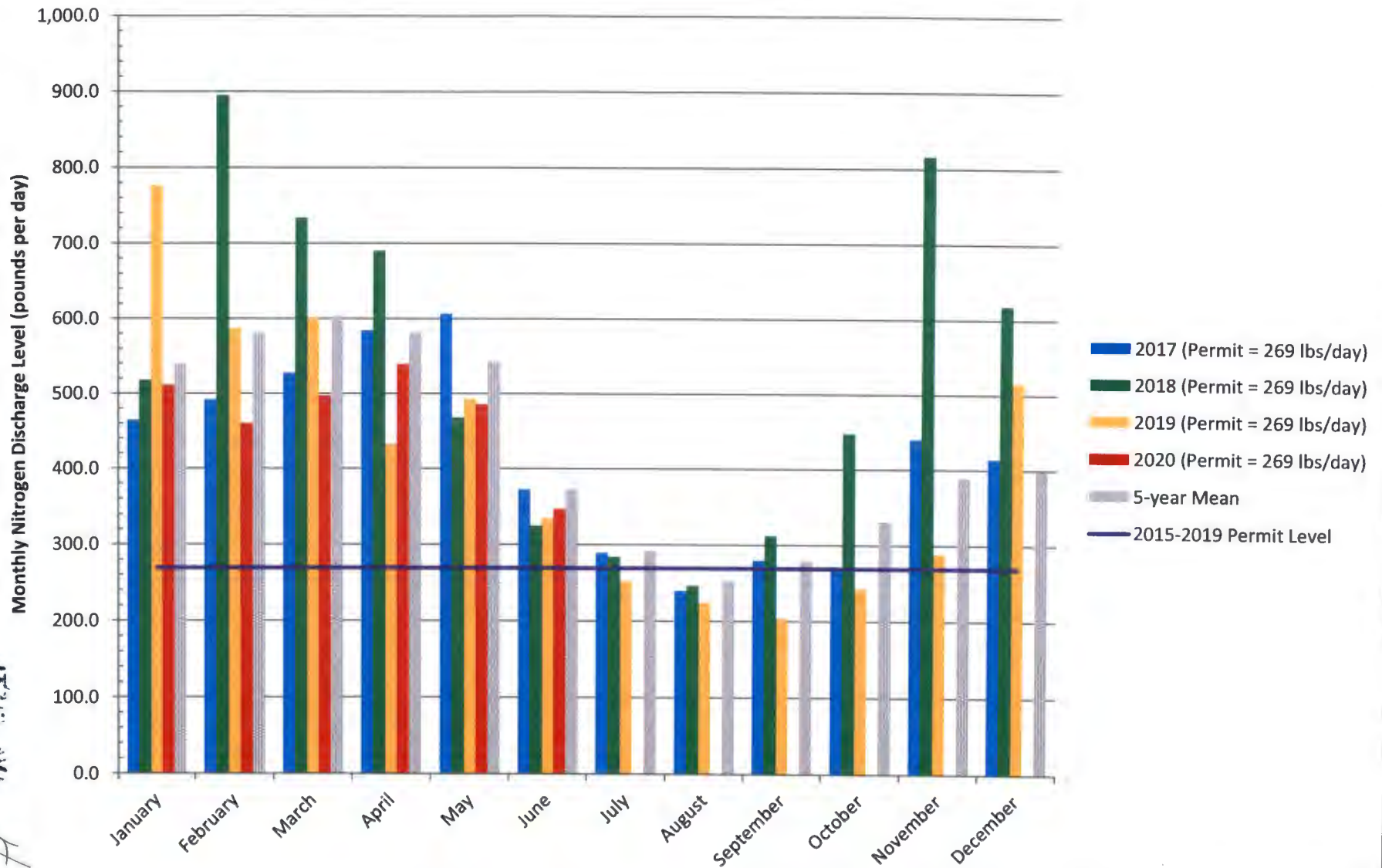
CY 2017 - 2020

Sewer Division

Department of Public Utilities



Total Monthly Nitrogen Discharge Level
CY 2017 - 2020
Sewer Division
 Department of Public Utilities



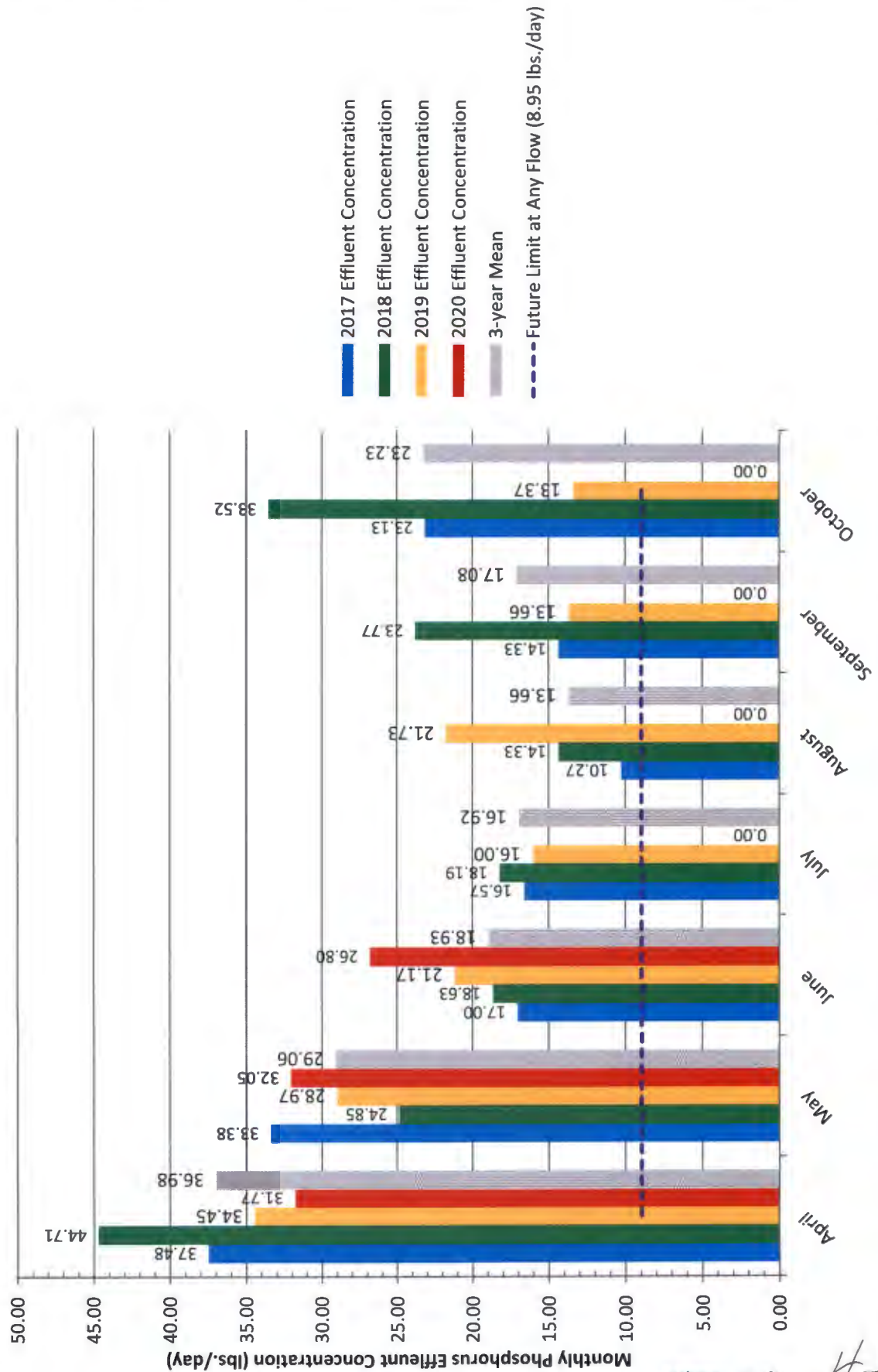
PUC AGENDA

ITEM NO.

4412

7/21/20

Monthly Seasonal Phosphorus Effluent Concentration
2017 - 2020
Sewer Division
Department of Public Utilities



ITEM NO. 4-113

PUC AGENDA 7/21/20

RESOLUTION

WHEREAS, the Board of Public Utilities Commissioners of the Town of Wallingford wishes to congratulate

AUDREY MIGNEAULT

upon her retirement after more than twenty years of dedicated service as Clerk Typist to the Town of Wallingford Water and Sewer Divisions; and

WHEREAS, the Commissioners do hereby express their gratitude to Ms. Migneault for her sincere efforts over the years on behalf of the Water and Sewer Divisions in the performance of her duties in our business office; and

WHEREAS, she personified a true office professional in her twenty-year near perfect attendance record; and

WHEREAS, she was especially willing to focus on customer service in scheduling meter changes, water shutoffs and turn-ons, high consumption notices, and closing inspections; and

WHEREAS, her supervisors and fellow employees enjoyed her calm composure under all conditions and her sense of humor; and

NOW THEREFORE BE IT RESOLVED that this Commission goes on record as extending to Audrey Migneault good health and best wishes in the years to come.

Unanimously Adopted by:

The Public Utilities Commission

Robert N. Beaumont, Chairman

Patrick M. Birney, Vice-Chairman

Joel M. Rinebold, Secretary

Dated: July 21, 2020

ITEM NO. 5-1
PUC AGENDA 7/21/20

TOWN OF WALLINGFORD
WATER & SEWER DIVISIONS
DEPARTMENT OF PUBLIC UTILITIES

INTEROFFICE MEMORANDUM

TO: NEIL AMWAKE, GENERAL MANAGER
FROM: WILLIAM J. PHELAN, OFFICE MANAGER *WJP*
SUBJECT: HERIBERTO & DIANNE MARIN, 43 STILLWOOD RD - ACCOUNT #53139;
HIGH CONSUMPTION – MARCH 1, 2020 BILLING

DATE: JULY 14, 2020
CC: LARRY REGAN

The customer / account referenced above is a water / sewer account whose water meter was read on February 13, 2020 for the March 1, 2020 bill. The reading at that time was 23300. The previous reading of 17600 was taken on November 7, 2019. Consumption for this 98 day period totaled 5,700 cubic feet with an average daily usage of 58.16cf. The water service bill for this period was \$248.80 and the sewer service bill equaled \$246.72. The total "Current Charges" for the March 1, 2020 bill was \$495.52.

Division personnel mailed a high consumption notice to the customer on February 18, 2020. Ms. Marin telephoned the Water Division on March 9, 2020 and a property inspection was scheduled for March 13, 2020. At that time the inspector found a broken overflow tube in a toilet which had caused the higher than normal water usage. Additionally, as indicated in the attached billing and consumption history, subsequent readings and billings have returned to normal.

Based on all pertinent information available, staff is unable to make an adjustment to the bill. Therefore, the customer has appealed to the Public Utilities Commission for further consideration.

H:/P.U.C./Marin43StillwoodRd

ITEM NO. 6-1
PUC AGENDA 7/21/20

HERIBERTO & DIANNE MARIN
43 STILLWOOD RD
WALLINGFORD CT 06492-4927

Customer Number: 00443582

Account Number: 0053139

Service	Read Date	Meter #	Read Status	Previous	Current	Days	Billed Usage	Average	Bill Amount	Bill Date
Water	5/11/2020	59480129	Actual Read	23300	23500	88	200	2.27	\$54.01	6/1/2020
Water	2/13/2020	59480129	Actual Read	17600	23300	98	5700	58.16	\$495.52	3/1/2020
Water	11/7/2019	59480129	Actual Read	17300	17600	93	300	3.23	\$62.03	12/1/2019
Water	8/6/2019	59480129	Actual Read	16700	17300	94	600	6.38	\$86.12	9/1/2019
Water	5/4/2019	59480129	Actual Read	16300	16700	92	400	4.35	\$70.06	6/1/2019
Water	2/1/2019	59480129	Actual Read	15700	16300	88	600	6.82	\$86.12	3/1/2019
Water	11/5/2018	59480129	Actual Read	15700	15700	48	0	0	\$20.28	12/1/2018

H:/PUC/Marin43Stillwood

ITEM NO. 6-2
PUC AGENDA 7/21/20

TOWN OF
WALLINGFORD

APR 21 2020

DEPARTMENT OF
PUBLIC UTILITIES

Hello Public Utilities Commission
C/O Kathy White
100 John St.
Wallingford, CT 06492

I am writing this letter in regards to a very high water bill from our usual \$62.03 (previous month) to \$495.52. My account number is 00443582-0053139 at the address of 43 Stillwood rd. Wallingford, CT 06492. My husband and I reside in Flushing, NY and only visit on the weekends occasionally, to work on remodeling the home.

We are very concerned because our financial situation due to the Coronavirus. My husband is a free-lance contractor and has not been working for the last two weeks. Business has halted dramatically in New York City and we feel up in the air. He is the main financial provider for our family. We are worried that we won't be able to pay for our bills on time.

Would it be possible for the water bill to be removed or any sort of financial aid? We would really appreciate it.

Thank you,
Dianne Marin
Account #00443582-0053139

Phone- [REDACTED]

ITEM NO. 63
PUC AGENDA 7/2/20

Revised June 22, 2020

LEGAL NOTICE

Public Hearing

on

Proposed Revisions to Water and Sewer Charges

(Amendment of Water Division Terms and Conditions, Water Quarterly Consumption Charges [Non-Metered Charge Customers], Water Service Installation Charges, Water Meter Installation Fees, Water Miscellaneous Charges, Sewer Service Policy, Sewer Quarterly Usage Charges and Exceptions, Sewer Miscellaneous Charges, and Water and Sewer Payment Terms and Conditions)

Pursuant to Chapters 102 and 103 of the Connecticut General Statutes, as amended, and Chapter XIV of the Charter of the Town of Wallingford, notice is hereby given that the Board of Public Utilities Commission of the Town of Wallingford, acting for itself and as the Water Pollution Control Authority of said Town, will hold a Public Hearing in the Parisi Council Chambers at the Wallingford Town Hall, 45 South Main Street, Wallingford, Connecticut, on Thursday July 16, 2020, at 6:30 P.M., for the purpose of revising Water Division Charges Terms and Conditions, Water Quarterly Consumption Charges [Non-Metered Charge Customers], Water Service Installation Charges, Water Meter Installation Fees, Water Division Miscellaneous Charges, Sewer Division Service Policy, Sewer Quarterly Usage Charges and Exceptions, Sewer Division Miscellaneous Charges, and Water and Sewer Payment Terms and Conditions as shown below. Such revisions shall become effective for all water and sewer invoices rendered on and after October 1, 2020.

If there are unforeseen circumstances where the Public Hearing location will change to a remote (virtual) meeting then at least 24 hours ahead of the public hearing a notice will be posted on the Town's website and in the Town Clerk's Office providing specific instructions on how to access and participate in the Public Hearing. Materials for this meeting will also be posted on the Town's website for viewing prior to the Public Hearing.

WATER DIVISION CHARGES

TERMS AND CONDITIONS:

This rate is applicable to all water consumers of the Town of Wallingford when the water supply for said service originates from surface water reservoirs, groundwater wells and other facilities owned or used by the Town of Wallingford or its Water Division.

Water service is available by application only and will be on the basis of measurement through one meter. Consumers serviced by more than one service for the same property shall be separately metered for each service and shall be charged the applicable rates for each separate

meter. Consumers with one service, though multi-metered, shall be charged the applicable rate for each individual meter.

QUARTERLY CONSUMPTION CHARGES

METERED CHARGE:

The quarterly charge for water service shall consist of the Basic Service Fee (BSF) plus the consumption charge as tabulated herein per meter for all consumers.

BASIC SERVICE FEE

<u>Size of Meter</u>	<u>Basic Service Fee as of 6/1/2007</u>
5/8-inch	\$15.11
3/4-inch	\$17.20
1-inch	\$31.29
1 1/2-inch	\$52.22
2-inch	\$88.31
3-inch	\$103.13
4-inch	\$168.32
10-inch	\$499.11

CONSUMPTION CHARGE

Rate as of
as of 6/1/2015
\$4.09 / 100 cf

NON-METERED CHARGE:

For those services which are not metered, the quarterly charge for such service shall be the Basic Service Fee for a 5/8-inch meter as listed above plus the applicable quarterly consumption charge based on a quarterly consumption of 1,600 cubic feet. This total quarterly charge for non-metered service shall be as follows:

Quarterly Charge
as of 10/1/2020
\$80.55

SERVICE INSTALLATION CHARGES

SERVICE INSTALLATION WITH EXCAVATION ONLY, NO PAVEMENT REPAIRS—TOWN ROADS

Deleted

SERVICE INSTALLATION WITH EXCAVATION AND PAVEMENT REPAIRS - TOWN ROADS

Deleted

SERVICE INSTALLATION ONLY, NO EXCAVATION OR PAVEMENT REPAIRS - TOWN ROADS: A water service from the water main to inside the curb line includes the following: Tapping the water main, installing a corporation stop, copper tubing, curb stop, and curb box. This type of service does not include excavation, backfilling, temporary paving, or final pavement restoration, which will be the Owner's responsibility. The water meter charges are not included.

Size of Service

	1-inch	1 1/4-inch	1 1/2-inch	2-inch
Short Service	\$660.00	\$780.00	\$980.00	\$1,170.00
Long Service	\$970.00	\$1,110.00	\$1,310.00	\$1,560.00
Per Additional Foot	\$65.00	\$65.00	\$65.00	\$70.00

A Short Service installation is a water service less than sixteen linear feet (16'-0") as measured from the centerline of the water main to the customer's side of the curb box assembly. A Long Service is a water service greater than sixteen linear feet (16'-0") and less than thirty linear feet (30'-0") as measured from the centerline of the water main to the customer's side of the curb box assembly.

Any water service installation greater than thirty linear feet (30'-0") will be charged per additional linear foot or portion thereof as measured from the centerline of the water main to the customer's side of the curb box assembly.

In the event that the Water Division installs a service in a state road, the cost will be determined on the basis of the actual cost for labor, tools, materials and equipment. A surcharge of an additional 45.10% on the cost of labor will be applied to reflect overhead.

WATER METER INSTALLATION FEE:

Size of Meter

5/8-inch	3/4-inch	1-inch	1 1/2-inch	2-inch
\$345.00	\$350.00	\$410.00	\$1,310.00	\$1,535.00
3-inch	4-inch	6-inch	8-inch	10-inch
\$1,565.00	\$2,610.00	\$5,620.00	\$9,020.00	\$24,550.00

Notes:

- For temporary meter installations, when allowed by the Division for periods not to exceed one year, the cost of the meter only will be refundable provided that the meter is returned to the Water Division in acceptable operating condition.
- Existing services and/or meters shall be renewed at no charge with the provision that they be the same size at the same location and be in need of renewal in the opinion of the Water Division.

MISCELLANEOUS CHARGES

- **Damaged Water Infrastructure and Miscellaneous Work**
 - Replacement or repair of damaged, missing, or frozen meter, radio read unit, outside reader unit, fire hydrants and other miscellaneous work as a result of customer action or negligence will be charged based upon the actual costs of labor, tools, materials and equipment. A surcharge of an additional 45.10% on the cost of labor will be applied to reflect overhead.
 - Tampering with a water meter will be invoiced at \$250.00 for the first occurrence, \$500.00 for the second occurrence and \$1,000 for each occurrence thereafter.
- **Service Turn Off and Turn On**
 - The Water Division will remove and reset a water meter, or turn off and turn on the water at the curb box one (1) cycle per calendar year [one on/off per calendar year] during normal business hours for the customer's convenience such as interior plumbing work that requires the water to the structure to be turned off, spending winters in a warmer climate, or shut-off and resumption of service due to account nonpayment.
 - Should the customer require more than 1 on/off per calendar year, the charge will be \$80.00 per visit to remove a meter, reset a meter, turn the water off at the curb box or turn the water on at the curb box. There is no charge to remove a meter for a building demolition.
- **Construction Permit Fees:**
 - Installation or repair of water services, repairs of water mains: \$75.00
 - Installation of mainline water mains or fire service lines: \$300.00

A separate permit is required for each independent main line or service installation and/or repair.

- **Bulk Water (Tank Truck Fill):**
- \$20.00 plus the water consumption rate in effect at the time per 100 cubic feet for all water purchased.

After Hours Charge

- For call-out work performed outside regular Division working hours if such call-out is for customer's convenience: \$260.00

SEWER DIVISION CHARGES

SERVICE POLICY:

The Town of Wallingford, through its Water Pollution Control Authority (WPCA) and Sewer Division, reserves the right to furnish sanitary sewer service in accordance with policies presently established by the Water Pollution Control Authority of the Town of Wallingford and the Sewer Authority which adopted Rules and Regulations of the Sewer Division on September 17, 1996, as amended, and also in accordance with Connecticut General Statutes Chapter 103, as amended.

All sewer service of the Sewer Division is rendered under and subject to the rules and regulations of the Sewer Division as presently established and amended from time to time and the technical standards adopted by the staff of the Sewer Division as revised from time to time.

QUARTERLY USAGE CHARGES

METERED CHARGE:

The quarterly usage charge for sewer service shall consist of a Basic Service Fee (BSF) plus a Usage Charge based on seventy-five percent (75%) of metered water consumption for customers having metered water service, except for those customers listed as exceptions.

BASIC SERVICE FEE

Size of Meter	Quarterly BSF as of 10/1/2020	Quarterly BSF as of 7/1/2021	Quarterly BSF as of 7/1/2022	Quarterly BSF as of 7/1/2023
5/8-inch	\$23.34	\$24.38	\$25.34	\$27.09
3/4-inch	\$35.01	\$36.57	\$38.01	\$40.64
1-inch	\$58.35	\$60.95	\$63.35	\$67.73
1 1/2-inch	\$116.70	\$121.90	\$126.70	\$135.45
2-inch	\$186.72	\$195.04	\$202.72	\$216.72
3-inch	\$373.44	\$390.00	\$405.44	\$433.44
4-inch	\$583.50	\$609.50	\$633.50	\$677.26

USAGE CHARGE

Rate as of <u>10/1/2020</u>	Rate as of <u>7/1/2021</u>	Rate as of <u>7/1/2022</u>	Rate as of <u>7/1/2023</u>
\$5.72 / 100 cf	\$6.24 / 100 cf	\$7.02 / 100 cf	\$8.07 / 100 cf

EXCEPTIONS:

1. Quarterly Sewer Flat Charge: For those services which do not use Wallingford water but do utilize the Wallingford sanitary sewer facilities and are not metered, or those customers of the Wallingford Water Division having non-metered water service. The quarterly charge for such service shall be the Basic Service Fee for a 5/8-inch meter as listed above plus the applicable

quarterly usage charge based on 75% of a quarterly usage of 1,600 cubic feet of water equal to 1,200 cubic feet of water. This total quarterly charge for flat rate service shall be as follows:

Quarterly Sewer Flat Charge as of 10/1/2020	Quarterly Sewer Flat Charge as of 7/1/2021	Quarterly Sewer Flat Charge as of 7/1/2022	Quarterly Sewer Flat Charge as of 7/1/2023
\$91.98	\$99.26	\$109.58	\$123.93

2. Residential accounts that do not use Wallingford water but do utilize Wallingford sanitary sewer facilities may, at their own expense, modify their private water service to permit the installation of a water meter. The quarterly charge for such sewer service shall be the current Quarterly Usage Charge consisting of a Basic Service Fee plus a Usage Charge based on seventy-five percent (75%) of the metered water consumption.

3. Industrial or commercial accounts utilizing Wallingford water in conjunction with their own supply and using Wallingford sewer facilities shall determine the total flow discharged to the Wallingford sanitary sewer facilities to the satisfaction of the Sewer Division through the installation of an approved sewer meter. All costs of such installations including required calibration and maintenance shall be borne by the Owner. Such customers shall be billed based on that flow actually discharged to the sanitary sewer.

4. Industrial or commercial accounts that obtain all their water from Wallingford, but do not discharge all to the Wallingford sanitary sewer, may request that their sewer charge be adjusted, provided the user determines the sewer flow to the satisfaction and acceptance of the Sewer Division.

PARTIAL BILLING PERIOD

Service rendered for less than a billing cycle shall be billed on a pro rata charge of the quarterly Basic Service Fee plus water consumption or sanitary sewer usage.

MISCELLANEOUS CHARGES

- Septage receiving fee (In-Town Septage Only): \$100 / 1,000 gallons

This charge shall supersede all septage receiving fees previously established by the Water Pollution Control Authority of the Town of Wallingford.

- Construction Permit Fees:
 - Installation or repair of sewer laterals, repairs of mainline sanitary sewers: \$75.00
 - Installation of mainline sanitary sewers: \$300.00

WATER AND SEWER PAYMENT TERMS AND CONDITIONS

WATER AND SEWER DIVISIONS PAYMENT POLICIES:

1. All charges of the Water and Sewer Divisions are due by the date indicated on the bill. Interest shall be charged on the first day following the due date on any unpaid water and/or sewer charge balance on that date. Interest shall be charged in accordance with the General Statutes of the State of Connecticut.
2. A property lien may be filed by means of a continuation certificate upon the benefited property, after thirty days from the due date of the bill, for all unpaid balances of \$10.00 or more. Lien certificates shall be filed and lien fees charged in accordance with the General Statutes of the State of Connecticut.
3. Partial payment shall be applied first to interest charges, then to water and/or sewer charges and lastly to lien charges.
4. (New) A \$35.00 fee per transaction will be charged to a customer's account for checks returned due to insufficient funds.
5. (New) A charge of \$80.00 will be rendered for conducting a final meter read and/or inspection, and the issuance of a final water and/or sewer bill.

Unless revised as set forth herein and/or at the Public Hearing of July 16, 2020, all other terms and conditions, water consumption and sewer usage, service charges, and payment terms and conditions will remain as in effect prior to the adoption of said revisions.

Dated at Wallingford, Connecticut, this 2nd day of July, 2020.

Robert N. Beaumont, Chairman
Board of Public Utilities Commissioners
Water Pollution Control Authority

H:\Business Office\Rates - Water and Sewer\2020 Water and Sewer Rate Revisions\Public Hearing Notice\Legal Notice of Public Hearing for Town Clerk FINAL 2020-06-22.docx

TOWN OF WALLINGFORD
DEPARTMENT OF PUBLIC UTILITIES
WATER AND SEWER DIVISIONS
377 SOUTH CHERRY STREET
WALLINGFORD, CT 06492
203-949-2670

INTEROFFICE MEMORANDUM

TO: PUBLIC UTILITIES COMMISSION
FROM: NEIL H. AMWAKE, P.E., GENERAL MANAGER *ni*
RE: *UPDATED* POLICY REGARDING REIMBURSEMENT OF INFILTRATION
AND INFLOW REMOVAL COSTS
DATE: JUNE 15, 2020
CC: RICHARD A. HENDERSHOT, DIRECTOR OF PUBLIC UTILITIES

Enclosed for your review and comment please find a DRAFT *updated* Policy Regarding Reimbursement of Infiltration and Inflow Removal Costs (Policy). Also attached for your use and information is the proposed *current* Policy as adopted by the Public Utilities Commission (PUC) on October 6, 2015 with Track Changes turned so the recommended revisions and additions can be more easily seen.

Impetus and Intent – The current Policy Regarding Reimbursement of Infiltration and Inflow Removal Costs was adopted by the PUC nearly five (5) years ago. Since that time the Wallingford Sewer Division (WSD) has effected the Policy, including inspection of 1,283 residential dwellings and commercial properties, and reimbursement of \$84,518 to property owners to undertake corrective actions that has resulted in 3,072,407 gallons per year¹ not being conveyed to the wastewater treatment plant.

This period has also provided the WSD a real time opportunity to develop functional improvements to the implementation of the Policy as well as to prepare proposed initiatives to expand the Policy. WSD has met both formally and informally since mid-2016 to discuss ways the Policy is working; means to improve the infiltration and inflow program particularly from a customer perspective such as communication flyers and letters, forms, and internal processes; and proposed updates and revisions to the Policy that would require Public Utilities Commission approval.

¹ Based on typical inflow rates per source and a one-year, six-hour design storm with a peak intensity of 0.87 inch/hour, which produces approximately 1.95 inches of rainfall according to the NOAA Precipitation Frequency Data Server.

ITEM NO. 8-1
PUC AGENDA 7/21/20

Updates and Revisions - Updates and revisions to the Policy Regarding Reimbursement of Infiltration and Inflow Removal Costs include:

- ✓ Inclusion of a revision date.
- ✓ Wordsmithing and grammatical edits.
- ✓ Clarifications, specifically additional words and phrases added to existing text to improve readability and understanding of the Policy particularly for property owners.
- ✓ Revised reimbursement amounts based on reimbursement data and Engineering Section staff recommendations and discussions;
 - Addition of a first roof leader reimbursement rate at \$200 each
 - Addition of a sump pumps with extensive drainage requiring over 200 linear feet of piping at \$6,000 each
 - Reduction of miscellaneous repairs from \$400 to \$125
 - Increase the reimbursement of defective laterals, private sewer mains and private laterals from 50% to 75%
 - Increase the defective lateral maximum reimbursement amount from \$2,600 to \$4,000
 - Increase the defective private sewer main maximum reimbursement from \$2,000 to \$5,000
 - Increase the private manhole maximum reimbursement amount from \$2,000 from \$4,000
- ✓ Add a paragraph that allows the Sewer Division General Manager in consultation with Engineering Section staff to modify the maximum reimbursement amount for specific situations (one off instances) based on the cost savings realized by the WSD in avoiding conveyance and treatment of I/I flow removed.
- ✓ Add a section for private sewer main and manhole repairs undertaken by the Sewer Division.
- ✓ Update the financial examples based on the revised reimbursement amounts.

Infiltration and Inflow Reserve Financials – Beginning with FY13-14 through FY19-20 the Sewer Division collected \$350,000 per fiscal year from ratepayers through the Basic Service Fee (BSF) to support the infiltration and inflow policy. As of June 30, 2020 the I/I Reserve balance was \$2,220,681 after I/I expenses, including reimbursements to property owners, manhole and lateral lining costs, labor and benefits costs, and outreach and communication expenses.

For FY 20-21 the I/I appropriation was reduced to \$50,000 and the expected I/I Reserve balance as of June 30, 2021 is projected to be \$1,967,881 after expenses.

Timeline - The Sewer Division's timeline for adoption of the *updated* Policy is as follows:

- July 21, 2020 – Present the DRAFT *updated* Policy to the PUC
- August 18, 2020 – Present the revised DRAFT *updated* Policy to the PUC incorporating suggested comments, edits and revisions
- September 15, 2020 – Adoption of the updated Policy by the PUC, including any additional (minor) edits or revisions
- October 1, 2020 – Effective date of the *updated* Policy

Department of Law Per Review - Please note that the Department of Law has reviewed the DRAFT *updated* Policy, and their peer review comments to date have been incorporated into the document.

As referenced in the *updated* Policy, the terms of the Private Sewer Main and Manhole Repairs Agreement between a property owner and the Sewer Division will be developed with the assistance of the Department of Law concurrent with the review and adoption process of the *updated* Policy. This is similar to the approach taken with the Advanced Payment Amortization Agreement when the Policy was initial adopted on October 6, 2015.

Public Utilities Commission Action (Homework) - Is it requested that the Public Utilities Commission review the enclosed *updated* Policy Regarding Reimbursement of Infiltration and Inflow Removal Costs (Policy) and provide any peer review comments or questions to the Water and Sewer General Manager by 12:00 noon on Thursday August 6, 2020 so that any recommended edits can be evaluated and incorporated into the Policy document as applicable, or so that answers to any inquiries can be researched and suitably answered prior to the PUC meeting scheduled for August 18th.

As always please feel free to contact me should you have any questions or require additional information. Thank you.

H:\Inflow and Infiltration\Financials\Update I-I Policy Peer Review Memo to Director v.NHA
2020-06-15.docx

ITEM NO. 8-3
PUC AGENDA 7/24/20

POLICY REGARDING REIMBURSEMENT OF
INFILTRATION AND INFLOW REMOVAL COSTS

Revised by the Public Utilities Commission on September 15, 2020

Adopted by the Public Utilities Commission on October 6, 2015

Intent

This policy defines the process whereby the Wallingford Sewer Division (WSD) will reimburse specified costs incurred by property owners for removal of infiltration and inflow (I/I) sources from the Town's sanitary sewer collection and treatment system. This policy is intended to be in effect in conjunction with the Sewer Division's I/I identification and removal effort. Payments pursuant to this policy are subject to the availability of funding and this policy is intended to terminate no later than at the completion of the I/I identification and removal project. The Public Utilities Commission (PUC) reserves the right to modify or terminate this policy at any time.

Eligibility

The eligibility requirements set forth below shall apply both in cases where the property owner has self-identified and reported to the Sewer Division the source(s) of I/I to be removed, and in cases where the WSD has identified the source(s) of I/I to be removed.

Owners of properties where it has been determined that there exists a violation pursuant to Ordinance No. 577 and for which an Initial Notice, a Second Notice, or an Order to Correct has been issued pursuant to the *Regulation Concerning Procedural Requirements for an Order to Correct Pursuant to Ordinance No. 577 Concerning Sources of Inflow and Infiltration to the Sanitary Sewer System* as adopted by the PUC on September 17, 2013, and as may be amended are eligible under this policy regarding reimbursement of specified infiltration and inflow removal costs.

To qualify for reimbursements the property owner must complete all of the required corrective actions in a manner acceptable to the Sewer Division within the timeframe stipulated under the time requirements in Ordinance No. 577, and must be current with payment of Water and Sewer Divisions' charges.

Procedure for Reimbursement

A property owner who has received an Initial Notice, a Second Notice or who has received an Order to Correct may apply to the Wallingford Sewer Division for a determination of eligibility for reimbursement. Such request shall include an explanation of the corrective actions to be taken (including any sketches, drawings or pictures, etc.) and shall be accompanied by quote(s) to perform the work from an individual or company that meets the requirements to obtain a permit from the Sewer Division to perform the work.

NO. 8-4
PUC AGENDA 7/21/20

The requesting property owner shall submit their request using the reimbursement eligibility form (Form A) developed by the Sewer Division, which shall be provided to the property owner as an attachment with the Initial Notice, the Second Notice or an Order to Correct.

Upon the Sewer Division's receipt, review and approval of the proposed corrective actions and acceptance of the quoted cost to perform the work the property owner will be advised of their eligibility for reimbursement. The eligible costs will be paid only after completion of the work in a manner acceptable to the Sewer Division.

Following completion of the work, and upon inspection and approval by the Sewer Division and any other permitting authorities, the property owner shall submit a request for reimbursement to the Sewer Division (Form B). The request for reimbursement shall be accompanied by a copy of the invoice(s) to the property owner for materials and performance of the work, and evidence of payment to the material supplier or contractor by the property owner that is satisfactory to the Division. After review and approval of the request for reimbursement, payment to the property owner of the approved reimbursement will be made. Please allow thirty (30) calendar days for review, approval and payment.

Direct Disbursement

Alternatively, the property owner may designate in writing that the amount of the approved reimbursement be paid directly to the contractor. Any such payment shall be made in the normal course of the Sewer Division's business. The Sewer Division is not a party to the agreement between the property owner and the contractor, and is in no way bound by the payment terms required of such agreement. Please note that it is not the responsibility of the Sewer Division to pair a property owner with a contractor that will accept this type of payment.

Advanced Payment

Property owners, for whom the cost of required corrective actions exceed the maximum reimbursable project cost limits as detailed below, may apply to the PUC for an advancement of payment due to financial hardship of the full amount of the approved costs to undertake the I/I corrective actions. Upon the PUC approving such advancement, the property owner must have the work completed, subject to inspection and approval by the Sewer Division, after which the WSD will make payment to the contractor of the full amount of the approved costs.

After reduction by the Division's eligible reimbursement, the outstanding balance, referred to as the advanced payment, shall be repaid to the Sewer Division pursuant to the terms of the Advanced Payment Amortization Agreement, which the property owner shall execute as a condition for receiving advanced payment prior to beginning any I/I corrective actions.

Reimbursement Amounts

The Sewer Division will reimburse eligible property owners according to the following schedule.

Reimbursement for 100% Approved Cost, Up To the Maximum Reimbursement Indicated

<u>Source of I/I</u>	<u>Maximum Reimbursement</u>
Roof Leader, with minimal gravity drainage	\$200 first leader
Additional roof leaders at the same site	\$125 each
Roof Leader, with extensive gravity drainage	\$4,000 each
Site-specific solution applicable	
Sump Pump, with minimal gravity drainage	\$1,000 each
Sump Pump, with extensive gravity drainage	\$4,000 each
Less than 200 feet of piping	
Sump Pump, with extensive gravity drainage	\$6,000 each
Over 200 feet of piping	
Basement Drain	\$4,000 each
Window Well / Exterior Stairway Drain	\$4,000 each
Foundation Drain	\$10,000 each
Driveway/Yard/Area Drain	\$5,000 each
Catch Basin	\$8,000 each
Miscellaneous,	\$125 each
Damaged cleanouts, etc.	

Reimbursement for 75% Approved Cost, Up To the Maximum Reimbursement Indicated

<u>Source of I/I</u>	<u>Maximum Reimbursement</u>
Defective Lateral ¹	\$4,000 each
Defective Private Sewer Main, per repair ¹	\$5,000 each
Private Manhole Repairs ¹	\$4,000 each

¹ The Sewer Division will determine by the means it deems appropriate whether the defects allow significant I/I to enter the Town's sanitary sewer collection and treatment system. Based on this determination, the Sewer Division will approve for the purpose of reimbursement only those repairs that would result in a significant reduction in I/I.

The above allowable reimbursement amounts may be modified under special cases per the written approval of the Sewer Division General Manager in consultation with Engineering Section staff. Such modified reimbursement amounts shall be based on the cost savings realized by the WSD in avoiding conveyance and treatment of I/I flow removed. The modified

ITEM NO. 86
PUC AGENDA 7/2/20

reimbursement amount will not exceed the projected I/I cost savings for a 10-year period per I/I source; i.e., estimated I/I rate per source as determined solely by WSD staff x 10 years x the most recent cost per gallon to convey and treat wastewater as computed by the Business Office. While a 10-year period is the maximum timeframe with which to perform the financial calculations (return on investment, per se), the Sewer Division General Manager does have the discretion to utilize a shorter timeframe, such as 1 year, 2 years or 5 years as a basis for the eligible reimbursable amount.

Private Sewer Main and Private Manhole Repairs Undertaken by the Sewer Division

The property owner of a defective private sewer main or a defective private manhole that enables I/I to enter the Town's wastewater collection system is obligated to make repairs to eliminate (or reduce) such I/I from entering the sanitary sewer system. However, the WSD recognizes that property owners responsible for the repair of private sewer mains and private manholes may not have the staff, skills or resources to manage and undertake such repairs. In such cases, at the sole discretion of the WSD as a means to mitigate I/I from entering the sanitary sewer collection and treatment system, the Sewer Division may permit property owners of private sewer mains and private manholes to utilize existing pipeline and manhole rehabilitation contracts managed by the Town to undertake such repairs.

The WSD would include applicable private sanitary sewer pipes and manholes in the work that is to be performed by contractors working for the Sewer Division. The Sewer Division will not charge the property owner for WSD project management time (labor and benefits), though it is expected that property owners will communicate and assist WSD staff as needed (allow and coordinate site access to the private property, timely communication with the Sewer Division, etc.).

Prior to moving forward with the repair or rehabilitation to the private sewer(s) or private manhole(s) the Sewer Division will calculate the modified reimbursement amount based on the projected I/I cost savings for a 10-year period for each corrective action compared to the cost to undertake such repairs (contractor costs). These calculations will be provided to the property owner. Based on the financial calculations, the property owner can opt to work with the Sewer Division to have the WSD coordinate the repairs; or the property owner can manage and perform the proper execution of any repairs on their own with reimbursement from the Sewer Division per the Procedure for Reimbursement process stated above.

Following repairs to the private sewer(s) or private manhole(s) by contractors working for the Sewer Division, the costs to perform the work will be compared to the applicable reimbursement amounts. If the Contractor's cost(s) are less than the allowable reimbursement amount, then there will be no charge to the property owner; nor will a refund be issued to the property owner. If the Contractor's cost(s) are greater than the allowable reimbursement amount, the Sewer Division will invoice the property owner for the difference.

Private sewer main and private manhole repairs undertaken by the Sewer Division on behalf of a property owner shall be pursuant to the terms and conditions of the Private Sewer Main and Manhole Repairs Agreement between the property owner and the Sewer Division.

ITEM NO. 8-7
PUC AGENDA 7/21/20

Loss of Eligibility for Reimbursement

Property owners failing to complete the required corrective actions within the stipulated time frame shall become ineligible for reimbursement unless an alternative completion date is authorized in writing by the Sewer Division.

Property owners failing to complete the required corrective actions properly shall become ineligible for reimbursement unless the work is corrected in a manner acceptable to the Sewer Division. Reimbursements will not be made for the cost of correcting the work.

Effective Date

This updated policy shall become effective as of October 1, 2020.

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ITEM NO. 8-8
PUC AGENDA 7/21/20

Examples

1. Residential property with a sump pump and a defective lateral. Approved costs based on quotes are \$750 to redirect the sump pump and \$3,500 for the lateral repair.

Sewer Division would reimburse as follows:

Sump Pump	100% of \$750	\$750
Lateral Repair	75% of \$3,500	<u>\$2,625</u>
Total Reimbursement		\$3,375

2. Commercial property with three (3) separate structures. Two (2) of the structures each have four roof leaders connected, and the third building has a foundation drain. The property also has one catch basin connection and two defective sanitary sewer manholes. Approved costs based on quotes are \$1,200 to remove all roof leaders, \$12,000 to redirect the foundation drain, \$4,000 to redirect the catch basin, and \$1,000 to repair each manhole.

Sewer Division would reimburse as follows:

Roof Leaders		
Structure 1	100% of 4 at \$200 each	\$200
Structure 1	100% of 4 at \$125 each	<u>\$500</u>
Structure 2	100% of 4 at \$125 each	\$500
Foundation Drain	100% of \$10,000	\$10,000
Catch Basin	100% of \$4,000	\$4,000
Manholes	100% of 2 at \$1,000 each	<u>\$2,000</u>
Total Reimbursement		\$17,075

* The maximum reimbursement for a foundation drain is \$10,000.

POLICY REGARDING REIMBURSEMENT OF
INFILTRATION AND INFLOW REMOVAL COSTS

Revised by the Public Utilities Commission on September 15, 2020

Adopted by the Public Utilities Commission on October 6, 2015

Intent

This policy defines the process whereby the Wallingford Sewer Division (WSD) will reimburse ~~certain specified~~ costs incurred by property owners for removal of ~~sources of~~ infiltration and inflow (I/I) sources from the Town's sanitary sewer collection and treatment system. This policy is intended to be in effect ~~for a limited time~~ in conjunction with the Sewer Division's I/I identification and removal ~~project effort~~. Payments pursuant to this policy are subject to the availability of funding and this policy is intended to terminate no later than at the completion of ~~that the I/I identification and removal project~~. The Public Utilities Commission (PUC) reserves the right to modify or terminate this policy at any time.

Eligibility

The eligibility requirements set forth below shall apply both in cases where the property owner has ~~identified~~ self-identified and reported to the Sewer Division the source(s) of I/I to be removed, and in cases where the WSD has identified the source(s) of I/I to be removed.

~~Eligible property owners~~ Owners ~~shall include those for whose properties of properties where~~ it has been determined that there exists a violation pursuant to Ordinance No. 577 and for which an Initial Notice, a Second Notice, or an Order to Correct has been issued pursuant to the *Regulation Concerning Procedural Requirements for an Order to Correct Pursuant to Ordinance No. 577 Concerning Sources of Inflow and Infiltration to the Sanitary Sewer System* as adopted by the PUC on September 17, 2013, and as may be amended are eligible under this policy regarding reimbursement of specified infiltration and inflow removal costs.

To qualify for reimbursements the property owner must complete all of the required corrective actions in a manner acceptable to the Sewer Division within the timeframe stipulated under the time requirements in Ordinance No. 577, and must be current with payment of Water and Sewer Divisions' charges.

Procedure for Reimbursement

A property owner who has received an Initial Notice, a Second Notice or who has received an Order to Correct ~~or who has received an Initial or Second notice~~ may apply to the Wallingford Sewer Division for a determination of eligibility for reimbursement. Such request shall include an explanation of the corrective actions to be taken (including any sketches, drawings or pictures, etc.) and shall be accompanied by ~~a quote(s)~~ to perform the work from an individual or company that meets the requirements to obtain a permit from the Sewer Division to perform the work.

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ITEM NO. 8-10
PUC AGENDA 7/1/20

~~The requesting property owner shall submit their request using the reimbursement eligibility form developed by the Sewer Division, which shall be provided to the property owner along with the Initial Notice, the Second Notice or an Order to Correct.~~

~~Following the Sewer Division's review and approval of the proposed corrective actions and acceptance of the quoted costs to perform the work, the property owner will be advised of their eligibility for reimbursement of the approved cost to be paid only after completion of the work.~~

ITEM NO. 8-11
PUC AGENDA 7/21/20

The requesting property owner shall submit their request using the reimbursement eligibility form (Form A) developed by the Sewer Division, which shall be provided to the property owner along as an attachment with the Initial Notice, the Second Notice or an Order to Correct.

Upon the Sewer Division's receipt, review and approval of the proposed corrective actions and acceptance of the quoted cost to perform the work the property owner will be advised of their eligibility for reimbursement. The eligible costs will be paid only after completion of the work in a manner acceptable to the Sewer Division.

Following completion of the work, and upon ~~completion~~-inspection, and approval by the Sewer Division and any other permitting authorities, the property owner shall submit a request for reimbursement to the Sewer Division (Form B). The request for reimbursement shall be accompanied by a copy of the invoice(s) to the property owner for materials and performance of the work, and evidence of payment to the material supplier or contractor by the property owner that is satisfactory to the Division. After review and approval of the request for reimbursement, payment to the property owner of the approved reimbursement will be made. Please allow thirty (30) calendar days for review, approval and payment.

Direct Disbursement

Alternatively, the property owner may designate in writing that the amount of the approved ~~cost~~ reimbursement be paid directly to the contractor. Any such payment shall be made in the normal course of the Sewer Division's business. The Sewer Division is not a party to the agreement between the property owner and the contractor, and is in no way bound by the payment terms required of such agreement. Please note that it is not the responsibility of the Sewer Division to pay a property owner with a contractor that will accept this type of payment.

Advanced Payment

Property owners, for whom the cost of required corrective actions exceed the maximum reimbursable project cost ~~limitations or are subject to the 50% reimbursement limit~~ limits as detailed below, may apply to the PUC for an advancement of payment due to financial hardship of the full amount of the approved costs to undertake the I/I corrective actions. Upon ~~action of~~ the PUC approving such advancement, the property owner must have the work completed, completion of the work, and subject to inspection and approval by the Sewer Division, after which the WSD will then make payment to the contractor of the full amount of the approved costs.

After reduction by the Division's eligible reimbursement, the outstanding balance, referred to as the advanced payment, shall be repaid to the Sewer Division pursuant to the terms of the Advanced Payment Amortization Agreement, which the property owner shall execute as a condition for receiving advanced payment prior to beginning any I/I corrective actions.

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ITEM NO. 8-12
PUC AGENDA 2/21/20

Reimbursement Amounts

The Sewer Division will reimburse eligible property owners according to the following schedule.

Reimbursement For 100% Approved Cost, Up To the Maximum Reimbursement Indicated

<u>Source of I/I</u>	<u>Maximum Reimbursement</u>
Roof Leaders, with minimal gravity drainage with minimal gravity drainage required	\$200 first leader \$125 each Additional roof leaders at the same site \$125 each
Roof Leaders, with extensive gravity drainage with extensive Site-specific gravity drainage required	\$4,000 each solution applicable
Sump Pump(s), with minimal gravity drainage with minimal gravity drainage required	\$1,000 each
Sump Pump(s), with extensive gravity drainage with extensive gravity drainage required less than 200 feet of piping	\$4,000 each
Sump Pump, with extensive gravity drainage Over 200 feet of piping	\$6,000 each
Basement Drain	\$4,000 each
Window Well / Exterior Stairway Drain	\$4,000 each
Foundation Drain	\$10,000 each
Driveway/Yard/Area Drain	\$5,000 each
Catch Basin	\$8,000 each
Manhole Repairs	\$2,000 each
Miscellaneous, Damaged cleanouts, etc.	\$125 each

Reimbursement For 50/75% Approved Cost, Up To the Maximum Reimbursement Indicated

<u>Source of I/I</u>	<u>Maximum Reimbursement</u>
Defective Lateral ¹	\$4,000-2,600 each
Defective Private Sewer Main, _____	\$5,000 each
per repair ¹ _____	\$2,000 each
Private Manhole Repairs ¹	\$4,000 each

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ITEM NO. 8-13
PUC AGENDA 7/11/20

⁴¹ The Sewer Division will determine by the means it deems appropriate whether the defects allow significant I/I to enter the Town's sanitary sewer collection and treatment system. Based on this determination, the Sewer Division will approve for the purpose of reimbursement only those lateral repairs that would result in a significant reduction in I/I.

The above allowable reimbursement amounts may be modified under special cases per the written approval of the Sewer Division General Manager in consultation with Engineering Section staff. Such modified reimbursement amounts shall be based on the cost savings realized by the WSD in avoiding conveyance and treatment of I/I flow removed. The modified reimbursement amount will not exceed the projected I/I cost savings for a 10-year period per I/I source; i.e., estimated I/I rate per source as determined solely by WSD staff x 10 years x the most recent cost per gallon to convey and treat wastewater as computed by the Business Office. While a 10-year period is the maximum timeframe with which to perform the financial calculations (return on investment, per se), the Sewer Division General Manager does have the discretion to utilize a shorter timeframe, such as 1 year, 2 years or 5 years as a basis for the eligible reimbursable amount.

Private Sewer Main and Private Manhole Repairs Undertaken by the Sewer Division

The property owner of a defective private sewer main or a defective private manhole that enables I/I to enter the Town's wastewater collection system is obligated to make repairs to eliminate (or reduce) such I/I from entering the sanitary sewer system. However, the WSD recognizes that property owners responsible for the repair of private sewer mains and private manholes may not have the staff, skills or resources to manage and undertake such repairs. In such cases, at the sole discretion of the WSD as a means to mitigate I/I from entering the sanitary sewer collection and treatment system, the Sewer Division may permit property owners of private sewer mains and private manholes to utilize existing pipeline and manhole rehabilitation contracts managed by the Town to undertake such repairs.

The WSD would include applicable private sanitary sewer pipes and manholes in the work that is to be performed by contractors working for the Sewer Division. The Sewer Division will not charge the property owner for WSD project management time (labor and benefits), though it is expected that property owners will communicate and assist WSD staff as needed (allow and coordinate site access to the private property, timely communication with the Sewer Division, etc.).

Prior to moving forward with the repair or rehabilitation to the private sewer(s) or private manhole(s) the Sewer Division will calculate the modified reimbursement amount based on the projected I/I cost savings for a 10-year period for each corrective action compared to the cost to undertake such repairs (contractor costs). These calculations will be provided to the property owner. Based on the financial calculations, the property owner can opt to work with the Sewer Division to have the WSD coordinate the repairs; or the property owner can manage and perform the proper execution of any repairs on their own with reimbursement from the Sewer Division per the Procedure for Reimbursement process stated above.

Following repairs to the private sewer(s) or private manhole(s) by contractors working for the Sewer Division, the costs to perform the work will be compared to the applicable reimbursement amounts. If the Contractor's cost(s) are less than the allowable reimbursement amount, then

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ITEM NO. 8-14
PUC AGENDA 7/6/20

there will be no charge to the property owner; nor will a refund be issued to the property owner. If the Contractor's cost(s) are greater than the allowable reimbursement amount, the Sewer Division will invoice the property owner for the difference.

Private sewer main and private manhole repairs undertaken by the Sewer Division on behalf of a property owner shall be pursuant to the terms and conditions of the Private Sewer Main and Manhole Repairs Agreement between the property owner and the Sewer Division.

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ITEM NO. 8-15
PUC AGENDA 2/21/20

Loss of Eligibility for Reimbursement

Property owners failing to complete the required corrective actions within the stipulated time frame shall become ineligible for reimbursement unless an alternative completion date is authorized in writing by the Sewer Division.

Property owners failing to complete the required corrective actions properly—shall become ineligible for reimbursement unless the work is corrected in a manner acceptable to the Sewer Division. Reimbursements will not be made for the cost of correcting the work.

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Effective Date

This updated policy shall become effective as of ~~October 6, 2015~~ October 1, 2020.

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8-16
PUC AGENDA 7/21/20

Examples

1. Residential property with a sump pump and a defective lateral. Approved costs based on quotes are \$750 to redirect the sump pump and \$3,500 for the lateral repair.

Sewer Division would reimburse as follows:

Sump Pump	100% of \$750	\$750
Lateral Repair	75 50% of \$3,500	\$2,625 <u>\$1,750</u>
Total Reimbursement		\$3,375 <u>\$2,500</u>

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ITEM NO. 8-17
PUC AGENDA 7/6/20

2. Commercial property with three (3) separate structures. Two (2) of the structures each have four roof leaders connected, and the third building has a foundation drain. The property also has one catch basin connection and two defective sanitary sewer manholes. Approved costs based on quotes are \$1,200 to remove all roof leaders~~25 per roof leader~~, \$12,000 to redirect the foundation drain, \$4,000 to redirect the catch basin, and \$1,000 to repair each manhole.

Sewer Division would reimburse as follows:

Roof Leaders		
Structure 1	100% of <u>14</u> at \$200 ¹²⁵ each	\$2,800 ^{\$1,750}
Structure 1	100% of 3 at \$125 each	\$375
Structure 2	100% of 4 at \$125 each	\$500
Foundation Drain	100% of \$10,000 *	\$10,000
Catch Basin	100% of \$4,000	\$4,000
Manholes	100% of 2 at \$1,000 each	\$2,000
Total Reimbursement		<u>\$17,075</u> \$17,000

* The maximum reimbursement for a foundation drain is \$10,000.

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v.NHA 2020-06-15.docx
O:\Engineering\Sewer Inflow Removal Program\Policy & Regulation\Policy Regarding
Reimbursement of Infiltration & Inflow Removal Costs.docx
4/21/20

ITEM NO. 878
PUC AGENDA 2/6/20