

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

TUESDAY, FEBRUARY 16, 2021

6:30 p.m.

The Town of Wallingford, Public Utilities Commission meeting of **FEBRUARY 16, 2021** will take place **REMOTELY** only. It shall commence at 6:30 p.m. It is expected that the public will be permitted to comment on the Agenda Items as instructed by the Chairman. Materials for this meeting will also be posted on the Town's website for viewing prior to the meeting. The meeting can be accessed through:

<https://global.gotomeeting.com/join/412040405>

YOU CAN ALSO DIAL IN USING YOUR PHONE:

United States (Toll Free): 1-866-899-4679

United States: 1-(571)-317-3116

Access Code: 412-040-405

AGENDA

1. Pledge of Allegiance
2. **Consent Agenda Items**
 - a. Consider and Approve Meeting Minutes of January 19, 2021.
3. Items Removed from Consent Agenda.
4. Discussion and Action: Approval of Director's Report for the Month of January 2021.

WATER/SEWER

5. Discussion and Action: Resolution – Walsh.
6. Discussion: WPCF Upgrades Project Update.

PUC

7. Correspondence
8. Committee Reports

RECEIVED FOR RECORD 2-10-21
AT 2:00 AND RECEIVED BY
Deborah Mukumar TOWN CLERK

PUBLIC QUESTION AND ANSWER PERIOD: 6:40 – 6:55 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.

1 **DRAFT**

2 **PUBLIC UTILITIES COMMISSION**
3 **WALLINGFORD ELECTRIC DIVISION**

4 100 JOHN STREET
5 WALLINGFORD, CT

6 Tuesday, January 19, 2021

7 6:30 P.M.

8 **MINUTES**

TOWN OF
WALLINGFORD

JAN 25 2021

DEPARTMENT OF
PUBLIC UTILITIES

9
10 **The meeting was held via teleconference. In attendance were:**

11 Chairman Robert Beaumont (TC); Commissioners Patrick Birney (TC) and Joel Rinebold (TC);
12 Director Richard Hendershot (TC); Electric Division General Manager Tony Buccheri (TC),
13 Water and Sewer Divisions General Manager Neil Amwake (TC), Water and Sewer Divisions
14 Business Manager Brian Naples (TC), Recording Secretary Bernadette Sorbo (TC).

15 (TC-TELECONFERENCE)

16 *Members of the public – Adelheid Koepfer and Steve Gale*

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

19 **1. Pledge of Allegiance**

20

21 **2. Consent Agenda**

- 22 a. Consider and Approve Meeting Minutes of December 15, 2020
23 b. Consider and Approve Budget Transfer – Water – O/S Services Employed
24 c. Consider and Approve Budget Transfer – Sewer- O/S Services Employed

25

26 **Motion to approve the Consent Agenda**

27 **Made by: Mr. Birney**

28 **Seconded by: Mr. Rinebold**

29 **Votes: 3 ayes**

30

31 **3. Items Removed from Consent Agenda – None**

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36 **4. Discussion and Action: Approval of Director's Report for the Month of**
37 **December 2020.**
38

39 Mr. Birney requested that the General Managers walk thru the personnel components of the
40 Director's Report to get a better understanding of where the three divisions stand.
41

42 Mr. Amwake gave an update to Personnel for the Water Division. The Water Division is
43 currently in recruitment for a Maintainer II position on the Distribution Crew. Interviews for this
44 position were completed last week. The Water Division expects to make an appointment for this
45 position within the next five to ten business days.
46

47 Mr. Awake stated that Brian Naples began with the Electric Division as the Assistant Business
48 Manager and he was recently promoted to the Water and Sewer Divisions as the Office Manager
49 on December 14, 2020. The promotion to the Water and Sewer Division caused a vacancy in the
50 Electric Division therefore Brian Naples is splitting his time working in the mornings at the
51 Electric Division and then working in the afternoons at the Water and Sewer Division. Brian
52 Naples is now the lead person for the budgets in all three divisions.
53

54 Mr. Amwake spoke on the personnel elsewhere. Mr. Amwake stated that there is a vacancy at
55 the Pistapaug Pond Water Treatment Plant for a Senior Operator position. The vacancy for this
56 position will not be posted as there are not a lot of people with certifications. There is also
57 another vacancy for a Maintainer II position on the Distribution Crew. Once the Water Division
58 fills the first position they will then hire for the second position as the Division is deciding where
59 to go with the other position.
60

61 Mr. Birney requested an update and status of the Pistapaug Pond Water Treatment Plant crew.
62

63 Mr. Amwake stated that from 2016 to 2018 the Water Division was running two formal shifts.
64 The first shift was from 8:00 AM to 4:30 PM and the second shift was from 3:30 PM to 11:30
65 PM. Because of staffing, or more specifically lack of qualified Senior Operators, the Water
66 Division is now primarily running the first shift 8:00 am to 4:30 PM with two recent retirees
67 filling in for the evening shifts, four nights of the week.
68

69 Mr. Birney questioned if the Division is not looking to fill anymore spots and if the Division is
70 comfortable with using the staffing model that is being utilized now?
71

72 Mr. Amwake stated that the Pistapaug facility was designed to be run by eight Senior Operators.
73 As of now Pistapaug has two Senior Operators, four Junior Operators and two Senior Part Time
74 Staffers. The Division is making it work but would like another full time Senior Staffer to help
75 with coverage when an employee is sick or is on vacation. Mr. Amwake advised that there is
76 staff on the premises seven days a week to evaluate the equipment.
77

78 Mr. Birney noted the issue on the consent agenda regarding the budget appropriation for William
79 Phelan and questioned what is the expected time frame to have Brian Naples up and running?
80

81 Mr. Amwake stated that Brian Naples will be ready to transition when the Electric Division
82 brings on a Business Manager as well as an Assistant Business Manager. As for the budget
83 process, the financing which was approved in the consent order is to bring the Water and Sewer
84 Divisions thru May 2021 concurrent with the FY 21-22 budget review and approval process.
85 Mr. Phelan is working roughly 4-8 hours per week for the Water and Sewer Division therefore
86 the Divisions are projecting this funding to allow Mr. Phelan to work with the Division through
87 mid-March.

88
89 Mr. Amwake gave an update to the Personnel for the Sewer Division. Mr. Amwake advised that
90 the Maintenance Repair Technicians take care of the sewer pump stations, large pumps at the
91 wastewater treatment plant, and staff a garage that includes 130 fleet vehicles for all three
92 Divisions. The vacant MRT II position was filled by an internal promotion, which has resulted
93 in a vacant MRT I position. Efforts to fill that vacancy are underway, with the job posting
94 closing on January 26. In addition to the vacancy for the MRT I position there is a vacancy for
95 an Attendant I position.

96
97 Mr. Buccheri gave an update to the Personnel for the Electric Division. Mr. Buccheri advised
98 that the internal candidate vacancy position for the Meter Technician Apprentice has been filled
99 and the candidate started January 19, 2021. The vacant Chief Engineer position has been re-
100 posted and re-advertised. Human Resources conducted interviews last week and the Electric
101 Division has received the list of qualified candidates. There is one candidate on the list that will
102 be contacted for an interview in the next week. The Chief Meter Technician has been posted a
103 few times but has recently been filled through an internal promotion. This caused a vacancy in
104 the position for a Meter Apprentice. The vacant Energy Efficiency and Conservation Specialist
105 position has been posted and closed. Human Resources has reviewed the candidates and the
106 Electric Division is waiting on the list of qualified candidates. There is one vacancy for the
107 System Operator which is being worked on. The Electric Division is working with Human
108 Resources to hire on a Trainee for this position as well. The Business Office Manager position
109 has closed and Human Resources has conducted the oral screening exam. The Electric Division
110 is waiting on the list of qualified candidates from Human Resources. The Assistant Office
111 Manager position has closed and Human Resources will soon conduct the oral screening exam.
112 The exam has not been completed and the Electric Division is waiting on the schedule for when
113 this will be completed. Authorization for meter reader has been posted. Received candidate list
114 and scheduled for interviews and selection and offer to be made. Distribution Technician has
115 been posted and not yet received. Human Resources will have to conduct interviews.

116
117 Mr. Birney questioned when do you foresee being at full employment in the system operator
118 category?

119
120 Mr. Buccheri stated that the job description for a trainee is underway and Mr. Buccheri has a
121 draft of what that will look like. However, there is a process that needs to be followed as this
122 goes through Human Resources, the union for approval and then on to the Town Council. As far
123 as filling the role it typically takes six months to get someone qualified on the desk. Mr. Birney
124 voiced his concerns.

125

126 Mr. Beaumont referenced Item #4-21, Addressing Internal Market Monitor Concerns Regarding
127 Behind-the-Meter Generation. Mr. Beaumont questioned if there will be any sort of reach back
128 if this is done?

129

130 Mr. Hendershot was asked a question by the Chairman with regard to follow-up, reach-back if
131 we do this? Thinking of 50 'n 5, etc. Rick – do you have comments? I know what the answer is
132 but I would like the other 2 Commissioners to hear.

133

134 As Mr. Hendershot could not be heard, Chairman Beaumont answered his own question. It
135 appears that it would be on a going forward basis for installations under 5MW. Doesn't appear
136 to be of concern for the WED.

137

138 Mr. Birney raised another issue; the report indicated that Pierce operated at a loss in November.
139 Thoughts as to whether or not another Pierce loss will be seen somewhere in the foreseeable
140 future due to decreasing capacity costs?

141

142 Mr. Hendershot had reported to the Commission some time ago and shared a projection that Mr.
143 Craig Kieny had prepared. The projection indicated that the Pierce project will run in the red for
144 the foreseeable future largely because of the lower capacity revenues. At the time the discussion
145 had was, should the PUC give notice or not? The Law Department advised that this would not be
146 necessary as the contract states that a notice would need to be given in order to remain beyond
147 the calendar year of 2021.

148

149 Mr. Rinebold stated that his notes are fairly similar. The Pierce facility was not dispatched due
150 to economic reasons; the high bidding requirements making it incapable to reach bidding below
151 bids coming in. Mr. Rinebold stated that it would appear, based on some of the new generation
152 coming online from solar facilities and other potential facilities prices will remain low and the
153 Pierce facility will be challenged to achieve successful bid acceptance.

154

155 Mr. Hendershot responded that this is correct. Mr. Hendershot noted that it is not an energy
156 resource and it never has been. Mr. Hendershot stated that it has never been competitive as an
157 energy resource and on a monthly basis it is rarely dispatched only for necessary test run. The
158 prime source of revenue is its mere existence through capacity revenues. Those softened and
159 look to continue to do so in the short term.

160

161 Mr. Rinebold stated that he does not see reversal of the trend at least for the short and mid-term
162 future.

163

164 Mr. Birney stated that this is probably something that the PUC should continue to talk about as
165 the PUC gets through the first and second quarter of 2021. Chairman Beaumont agreed.

166

167 Mr. Hendershot made a note to ask Mr. Craig Kieny to refresh his projections.

168

169 **Motion to approve the Director's Report for the Month of December 2020**

170

171 **Made by: Mr. Birney**

172 **Seconded by: Mr. Rinebold**

173 **Votes: 3 ayes**

174

175 **Public Question and Answer Period**

176

177 Ms. Koepfer inquired if the PUC would cooperate with a school district to hire for laborers and
178 apprentices?

179

180 Ms. Koepfer referenced the December 15th meeting in regards to the Voluntary Residential
181 Green Program. Ms. Koepfer quoted Mr. Hendershot's statement "All the information, the good
182 information I guess I should say that I have on this about the potential Green Energy option."
183 In regards to this quote Ms. Koepfer asked if Mr. Hendershot would share the "Good
184 information" with the public?

185

186 Mr. Hendershot stated that he is not prepared to share an update on the Green Energy Program
187 tonight.

188

189 Mr. Hendershot advised that the conversation in regards to the RECS vs. Real Energy was to
190 better understand what the PUC wanted from the program. Mr. Hendershot stated that he now
191 understands that RECS are an acceptable means to accomplish this and will be his focus moving
192 forward.

193

194 Mr. Birney spoke on the concept of RECS vs renewable energy. In his perspective Mr. Birney
195 does not believe it is feasible to increase that number to 30% based on purchasing renewable
196 energy as it is generated. Mr. Birney is not in favor to move our renewable energy purchases up
197 via RECS (pieces of paper) that are being sold on the market by those who are producing Green
198 Energy. Mr. Birney stated that Green Energy is not going to heat other Wallingford Rate Payers
199 homes.

200

201 Mr. Hendershot stated that there are now two topics in front of the PUC. The topics are: How to
202 achieve a voluntary residential Green Energy Program if the Commissions wishes to pursue one?
203 And a separate concept of a renewable energy portfolio of more than 13% of total. Mr.
204 Hendershot commented that the Commissions made it clear that the cost of our service is
205 paramount and is best done through traditional purchases via the regional market and not
206 throwing in the consideration that it needs to be so much renewable. Mr. Hendershot stated that
207 his idea of RECS is merely a means to possibly structure and produce a voluntary program for
208 individual customers.

209

210 Ms. Koepfer questioned on Mr. Hendershot's quote of "good information."

211

212 Mr. Hendershot stated that he was clarifying the information from Energy New England. The
213 "Good Information" that he referred to in the meeting was a very informative and illustrative
214 email from Energy New England. Mr. Hendershot advised that he now views the preference of
215 the PUC to be that the Voluntary Green Energy Program may be merely based on RECS just for
216 the purpose of that program and that the costs generated by the program should be borne only by
217 the participants.

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There was further discussion held on voluntary the Green Energy Program.

Public Question and Answer Period Closed

5. Discussion and Action: Electric Division – Remove Item from Table – Toyota Oakdale

Item Withdrawn

6. Discussion and Possible Action: Late Charges – Toyota Oakdale

Item Withdrawn

7. Discussion: WPCF Upgrades Project Update

Mr. Amwake updated the Commission on the focus of construction. The Contractor continues to progress with the excavation and sheeting installation for the two additional secondary settling tanks.

At the Secondary Pump Station, all of the lower level concrete walls have been poured. The Contractor has begun installation of the 30-inch discharge piping.

At the Tertiary Phosphorous Building, the Contractor continues to rub (finish) the concrete. The installation of piping in the lower level of the TPB has begun, including the 36-inch influent pipe, the 30-inch bypass pipe, and the 42-inch effluent pipe. The Contractor has begun installation of the 14-inch plant water pipe in the TPB. The Construction of the parapet wall is ongoing. The slide gates and stop log frames are being installed at the TPB influent box.

At the UV Disinfection/Post Aeration Building, the contractor is in the process of installing the UV equipment. The installation of the motor control center for the UV and PA operations has begun.

At the Emergency Generator Building, the roofing trusses and deck are complete. The masonry subcontractor is installing the brickwork for the EGB.

At the Existing Personnel Electrical Building, the contractor, AECOM and WSD staff are making final preparations for connecting the temporary standby generators prior to removal of the existing standby generator.

Construction Contract Payment Applications – C. H. Nickerson

Original Contract Sum	\$45,507,000.00
Net Change by Change Orders	<u>\$105,869.36</u>

264 Contract Sum to Date \$45,612,869.36 As of December 15, 2020
265
266 Construction Contract Schedule
267 Original Completion Date February 10, 2022
268 Net Change Schedule Days 0
269 Contract Completion Date February 10, 2022
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271

272 **No Correspondence/Committee Reports**
273

274
275 **ADJOURNMENT**
276

277 **Motion to Adjourn**

278 **Made by: Mr. Birney**

279 **Seconded by: Mr. Rinebold**

280 **Votes: 3 ayes**
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287 The meeting was adjourned at approximately 7:35 P.M.

288
289 Respectfully submitted,
290
291

292
293 Bernadette Sorbo
294 Recording Secretary
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Respectfully submitted,

Joel Rinebold
Secretary



Town of Wallingford, Connecticut

RICHARD HENDERSHOT
DIRECTOR

DEPARTMENT OF PUBLIC UTILITIES
100 JOHN STREET
WALLINGFORD, CONNECTICUT 06492

TELEPHONE 203-284-4016
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DIRECTOR'S REPORT January 2021

DIRECTOR'S OFFICE/DEPARTMENT-WIDE

All three Divisions continued with their modified work practices in response to the COVID-19 pandemic. Employees are being kept separated as much as possible and everyone is wearing a mask or face covering in the workplace per rules issued by the CT DECD. The public may access the Customer Service windows in both buildings, so long as they wear a mask/face covering and follow the prescribed social distancing requirements. Non-payment shutoffs and field-collections continued in the Electric Division. The Water Division has not yet resumed performing any tasks inside customer premises.

ELECTRIC DIVISION

Cost of Service Study, Financial Forecast, Revised Rates

PLM has developed revenue requirements for each customer class. Their first pass at draft rates is due February 28, and final draft rates are expected by March 31. These dates remain unchanged from earlier notices.

Office Building Review

This item will be removed from future reports, and will not be included again until the pandemic eases enough to allow the architect and the WED to resume work on this effort.

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

The WED was able to energize WRE, on January 8, for the purpose of testing and confirming WRE's revenue metering. This effort by WRE is still underway.

Primary URD Replacements

Ashlar Village has performed the necessary surveying work so that proper easements can be developed. WED is finalizing easements prior to completing design, which will include ordering new transformers.

Pad-mounted Transformers

The 2020-2021 budget has been amended to enable the WED to requisition the 29 identified higher priority units to replace.

Service work during January included 8 new services, 8 service changes, and 2 retired services.

Streetlight work included 165 LED streetlight conversions and 25 streetlight repairs. To date, 3,262 LED streetlights have been installed, with 1,373 HPS streetlights remaining to be replaced.

During January, eight (8) poles were replaced, along with six (6) aged overhead transformers.

As of the end of the month, 82 A-base meter installations have been updated, three (3) have been removed, and 210 remain to be addressed.

Personnel

Efforts are underway to address the vacant Meter Technician Apprentice position. An existing external candidate list was provided by HR, and candidates have been interviewed. Interviews of internal candidates began on December 4. As of early January, a conditional offer had been made to the preferred candidate.

A conditional offer has been made to the preferred candidate for the vacant Chief Engineer position.

The vacant Business Office Manager position was posted through 11/16/20. The Division has received a list of candidates and interviews are scheduled for early February.

The vacant Assistant Office Manager position has been posted, and closed. Oral screening exam took place in January. The Division now waits for a candidate list from HR.

The vacant Energy Efficiency and Conservation Specialist position has been posted and closed. A candidate list has been received from HR and interviews will begin in early February.

The vacant Meter reader position was filled via an internal transfer. This has created a vacancy for an Account Clerk.

The Division has begun the effort to fill the vacant Meter technician position created by the promotion of Stan Doski to Chief Meter Technician.

The Division has also begun the effort to fill the vacant Distribution technician position created by the promotion of Joe Dwyer to General Line Foremen, and has begun the effort to fill the vacant Customer Service Representative position created by the retirement of Henry (Hank) Ivan.

Electric System Metrics

System input for January totaled 52,365-MWh, which is a increase of 2.0% from January of 2020. Maximum system demand for the month was 95.041 MWs. This value is 7.8% higher than the peak demand from January 2020.

Average System Availability Index ("ASAI") for November was computed at 99.999%. Monthly values for the other tracked indices are as follows below.

SAIDI (System Average Interruption Duration Index):	0.2150 minutes
SAIFI (System Average Interruption Frequency Index):	0.0032
CAIDI (Customer Average Interruption Duration Index):	66.7 minutes

December Wholesale Power Supply

The percentage of the WED's total energy hedged was 90.3%. The forecasted hedging level for December was 88.5%.

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

- December actual = \$81.47
- 2019/2020 FY budget forecast (1/15/19) for December = \$83.66
- Prevailing six-month average PCA forecast (7/1/20-12/31/20) = \$85.50

WED's generation cost per MWh:

- Average cost for hedged volume = \$40.21
- Average cost for total volume = \$39.79

WATER DIVISION

There were three (3) main breaks and two (2) service leaks during January.

Fuel Oil Tank Replacement at Pistapaug Water Treatment Plant. This work is largely complete, except for installation of the 100-gallon day tank, which is a long lead time item and has not yet been delivered.

Water Main Replacements. Design drawings and specifications for two (2) upcoming projects are nearly complete. Water main replacement Contract 37 materials are approximately 95% finished, and the project will be advertised later this winter. Materials for the water main replacements and repairs under the Main Street Bridge and the Church Street Bridge ("pipes on bridges") are approximately 90% complete, and the project will be advertised in late spring 2021.

Personnel

Maintainer II on the Distribution Crew was filled via an internal promotion. This resulted in a vacant Maintainer I position.

Water Division Metrics

Water production for January totaled 91-million gallons, a decrease of 0.8% from January 2019.

Reservoir storage at month's end was at 87.0% of total effective impoundment. The historical average for January is 85.6%.

Precipitation for the month totaled 1.68 inches, which is 2.3 inches below the historical average for January.

SEWER DIVISION

Sewer Division staff responded to and resolved a total of four (4) WWTP alarms, collection system trouble calls and vehicle issues during November.

Durham Road sewer main replacement – Division 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 for the PUC meeting on February 16, 2021.

During January, the collection system staff televised 6,523 feet of sewer main, and flushed 474 feet.

Staff performed 35 manhole inspections during December.

Personnel

Efforts to fill the vacant MRT I position are underway, with the job posting closing on January 26.

Efforts to fill a vacant Attendant I position also began, and this job posting also closing on January 26. HR reports that there were no qualified candidates.

Efforts began on January 25 to fill an Attendant II vacancy.

Wastewater Division Metrics

At the Wastewater Treatment Plant, the average daily flow during December was 5.89-MGD, which is 3.1% less than the average daily flow of January 2020. The 12-month rolling average daily flow is 5.12-MGD, which is below the 90% permit threshold of 7.2-MGD.

Nitrogen discharge for the month averaged 628 pounds per day. The level for January 2020 was 511 pounds per day, and the permit level is 269 pounds per day. The annual average so far is 628 pounds per day.

Private Side I/I Mitigation Program

During January, correspondence and inspections remained suspended due to the pandemic.

Respectfully submitted,



Richard Hendershot
Director – Public Utilities

RAH/kaw

RAHCorrespondence/director's report/Directors



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: February 9, 2021

Re: **Monthly Report – January 2021**

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

RETAIL COST OF SERVICE STUDY

- WED had a kick-off meeting with the rate consultant on November 4, 2020. WED Business Office staff has transferred all of the data requested by the consultant by 11/10/2020.
- The key milestones for the cost of service study are as follows:
 - Projected revenue requirements, by customer class, for Fiscal 2021-2022, by December 31, 2020. This date has to move to January 29, 2021. This float was built into the schedule and will still allow the WED to meet the milestones listed below.
 - Draft revised rates by February 28, 2021.
 - Final revised rates by March 31, 2021.

PROJECT UPDATES

Architectural Services RFP

- No progress to report, project on hold due to pandemic. This item will be removed from this report until things settle with the pandemic.

Expansion of 51 John Street into 228 East Street

- 20/21 Budget includes dollars to clean up the property and install the fence and shrubs that were approved by Planning & Zoning. No progress to report.

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.

ITEM NO. 4-5
PUC AGENDA 2/16/21

- 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

- There are currently 480 three-phase pad mount transformers in the system, of which 300 have been inspected to date. The inspections note if there are any visible leaks, tracking, safety, or security issues. The inspections resulted in 74 meeting the criteria for replacement.
- There are currently 712 single phase pad mount transformers in the system, of which 200 have been inspected to date. The inspections resulted in 23 meeting the criteria for replacement.
- In total, 97 transformers meet the criteria for replacement; 29 of them are of higher priority.
- WED has worked with Purchasing to bid the 29 priority units. A replacement schedule will be developed based on delivery time. We estimate being able to replace 2 units per week.
- The budget amendment was approved at the December 15, 2020 PUC meeting.
- The budget amendment was approved at the January 12, 2021 Town Council meeting.

Wallingford Renewable Energy

- The project was energized on January 8, 2021. Energization was needed in order for the project to certify settlement metering. The project is still working out details to establish revenue grade metering.

CT DOT

- Nothing new to report.

Town Roads

- None at this time.

Personnel

- The new Meter Apprentice started on Tuesday January 19, 2021.
- The Chief Engineer candidate oral exams were completed by HR in January. Interviews were completed by the Electric Division on January 26, 2021 and a conditional offer has been made to the preferred candidate.
- The Energy Conservation Specialist oral exams were completed by HR in January. Interviews have been scheduled and will be completed by February 16, 2021.
- The System Operator position interviews have been completed by WED. Conditional offers were extended to two of the candidates to fill the two vacancies. One of the candidates accepted and we are currently waiting on the conditions to be met before setting a start date. The other candidate declined because his current employer's contract settled and they are now allowed to collect their pension beginning at age 60, and continue to work until age 65. WED submitted an authorization for employment to re-start the process of filling this remaining system operator vacancy. Waiting on information for the candidate that accepted the conditional offer, and reposted the position to fill the other vacancy. Waiting on a list from HR.
- The Business Office Manager Position oral exams were completed by HR in January. Interviews have been scheduled and will be completed by February 10, 2021.

- An Authorization for Employment for the Assistant Office Manager position vacancy created by Brian Naples Promotion to Office Manager at the Town of Wallingford Water & Sewer Divisions was submitted to HR on 11/17/2020.
 - The position was posted through December 14, 2020.
 - Waiting for HR to schedule the oral panel.
 - Nothing new to report.
- Interviews for the Meter Reader position were completed in January 2021. Jeff Tierney has accepted the position and will transition in early February 2021.
- An authorization for employment for an Account Clerk to fill the vacancy created by Jeff Tierney's promotion to Meter Reader was submitted to HR on January 25, 2021.
- An Authorization for Employment for an Apprentice Meter Technician and a Meter Technician to fill the vacancy created by the promotion of Stan Doski to Chief Meter Technician was submitted to HR on December 14, 2020.
 - Nothing new to report.
- An Authorization for Employment for a Distribution Technician to fill the vacancy created by the promotion of Joe Dwyer to General Line Foreman was submitted to HR on November 17, 2020.
 - Nothing new to report.
- An Authorization for Employment for a Customer Service Representative to fill the vacancy created by the retirement of Henry Ivan has been submitted to HR on January 25, 2021.

Statistics/Metrics

- Total system energy input was 52,365 MwHr. This represented an increase of 2.0% when compared to January 2020.
- System peak was recorded at 1000 hours on January 29, at 95.041 MW. This represented an increase of 7.8% compared to January 2020.
- Service Reliability Indices

ASAI	Average Availability Index	System	0.99999
SAIDI	System Interruption Index	Average Duration	0.2150 Minutes
SAIFI	System Interruption Index	Average Frequency	0.0032
CAIDI	Customer Interruption Index	Average Duration	66.7 Minutes

- Total incidents for January were 14 affecting 82 customers for a total customer hours out of 91.10 hours.
- A-Base Meters: As of January 31, 2021, 82 services have been upgraded, 3 services have been removed, and 210 remain.
- January Services: 21 applications, 8 new installation, 8 service changes, 0 temporary service, and 2 retired.
- January Street Lights: 165 LED conversions, 25 repairs. To date 3262 LED's have been installed and 1373 HPS's remain.

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- There were 8 pole replacements and 3 new poles installed in January.
- There were 6 pole top transformers replaced and 5 new transformer installations in January.


Energy Conservation

Residential

- There were 40 HES visits to residences in January.
- There was 1 heating and cooling rebate paid in January in the amount of \$2,250.
- There was no attic insulation rebates paid in January.
- There were 2 heat pump water heater rebates paid in January in the amount of \$1,000.

Commercial & Industrial

- There was 1 heating and cooling rebate paid in January in the amount of \$2,250.
- There were 2 lighting retrofit projects completed in January resulting in \$56,662 in incentives paid.



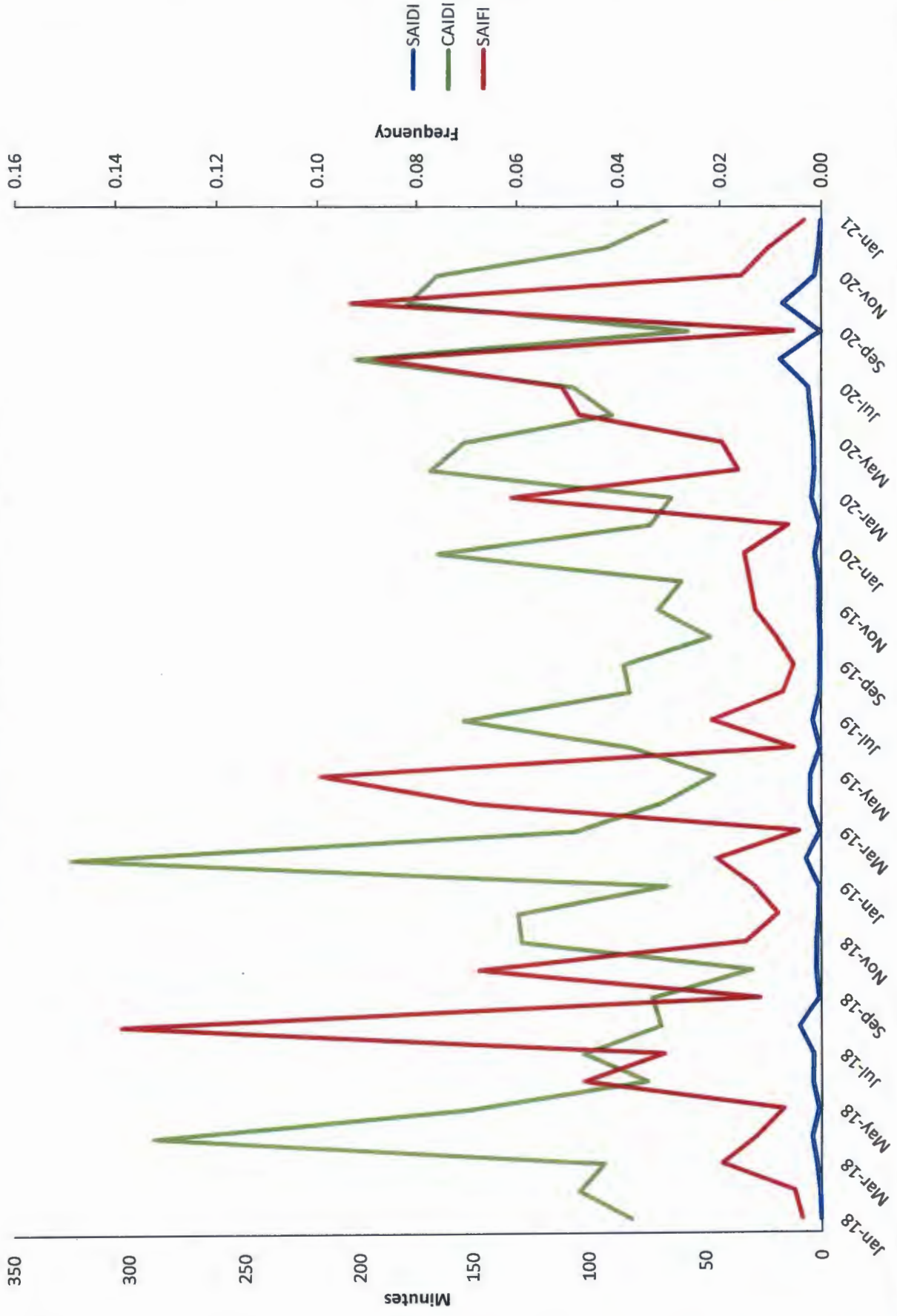
Tony Buccheri, General Manager-Electric

TB/mhl

Enclosures

ITEM NO. 4-8
PUC AGENDA 2/16/21

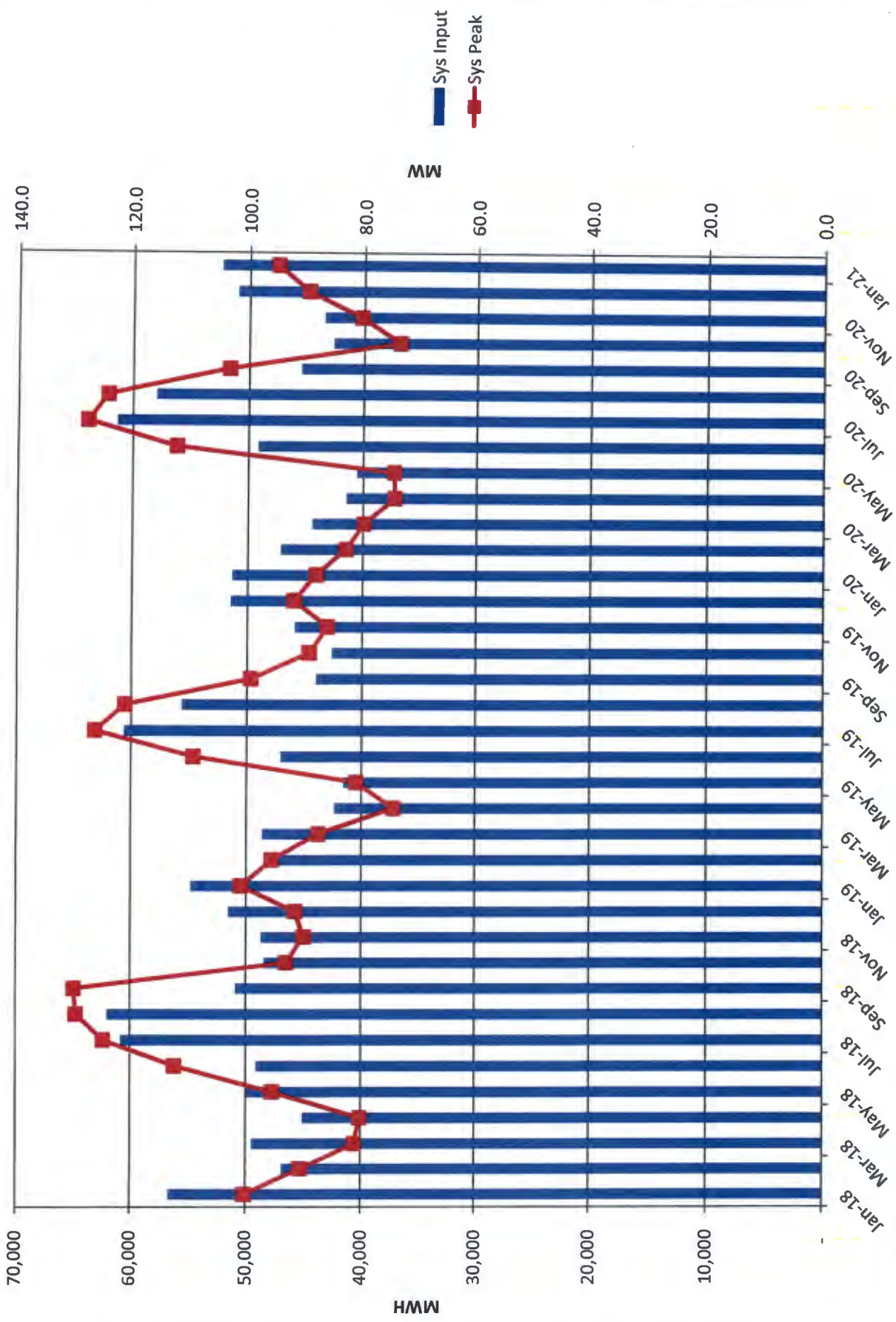
WED Reliability Data (excluding storms)



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PUC AGENDA 2/10/21

Sys Input & Sys Peak



ITEM NO. H-10
 PUC AGENDA 2/16/21

WALLINGFORD ELECTRIC DIVISION

DECEMBER

PRESENTED ON FEBRUARY 3, 2021

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PUC AGENDA 2/10/21

HEDGING RESULTS DISCUSSION

This memorandum summarizes the actual results for December 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 Dec-20		
a	Forecast Load MWH on 1/15/20	50,335
b	Actual Load MWH	48,705
c	Load Forecast Accuracy %	-3.2%
d	Total Energy Cost Ave \$/MWH	\$ 39.79
e	1/15/20 Projected Total Energy Cost Ave \$/MWH	\$ 42.58
<u>Metric 1</u>		
DA Net Forecast Deviation % (Absolute Value)		2.97%
1.a	MWH Purchased in Real Time (DA forecast < Actual Load)	1,319
1.b	DA Net Forecast Deviation (of Total Load)	2.7%
1.c	MWH Sold in Real Time (DA Forecast > Actual Load)	(133)
1.d	DA Net Forecast Deviation (of Total Load)	-0.3%
<u>Metric 2</u>		
2.a	% Hedged (Total Resources/Load)	90.3%
2.b	% Hedged Forecasted (Forecasted Resources/Forecasted Load) on 11/16/20	88.5%
2.c	Average Energy Cost of Hedged Load (includes NYPA Capacity & Transmission)	\$ 40.21
<u>Metric 3</u>		
3.a	Cost of Hourly Short Position (\$/MWH)	\$ 48.62
3.b	MWH	4,828
3.c	Cost (Short MW * DA LMP @ HUB)	\$ 234,747.53
<u>Metric 4</u>		
4.a	Basis \$/MWH for Resources purchased at HUB/Roseton node	\$ (1.58)
4.b	Total Energy Purchased MWH	35,356.08
4.c	Locational Spread Cost (+) /Benefit (-)	\$ (55,997.37)
<u>Metric 5:</u>		
5.a	Value of Hourly Long Position (\$/MWh)	\$ (18.06)
5.b	MWH	(88.38)
5.c	Cost (-)/Benefit (+) (Long MW *(Ave Purchase \$ - DA LMP @ HUB))	\$ (1,596.15)

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.

Actual versus Projected Total Energy Cost

Actual load came in 3.2% less than the monthly projection from January 15, 2020. Actual average of the total energy cost per MWH was 6.56% less than projected total Energy cost from the January 15, 2020 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 90.3% (does not include Pierce), and daily load coverage ranged between 84.07% and 102.84%. The forecasted hedged position from November 16, 2020 monthly projection was 88.5%.

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 colder 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 2.97% error rate for the month. This resulted in 1,186.43 MWH of WED's load being bought in the real-time market.

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

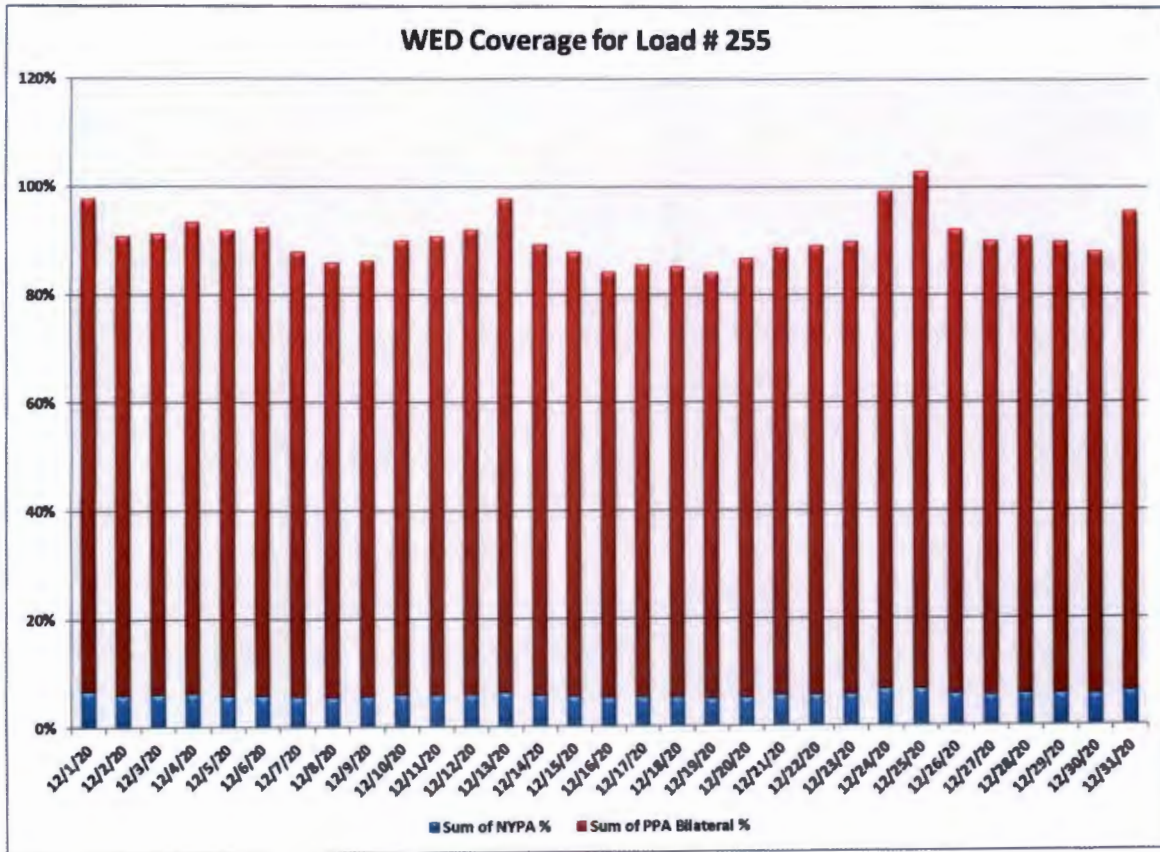


Figure 1 WED daily hedged percentages

Figure 1 illustrates WED’s daily coverage throughout the month. Colder 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 \$2.16 and \$11.92/MMBTU. The Day-Ahead On-peak Hub LMP for the month averaged \$42.99/MWH, and Day-Ahead Off-peak Hub LMP averaged \$37.59/MWH. MA Hub Max for the month was \$155.02/MWH.

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

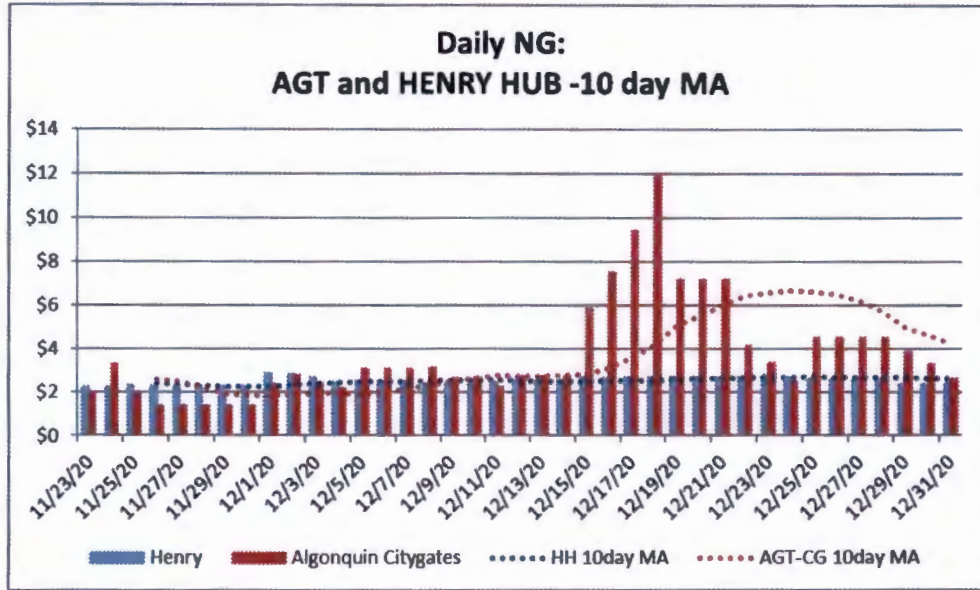


Figure 2 Daily and 10 day moving average Henry Hub and Algonquin Gas City Gate Prices

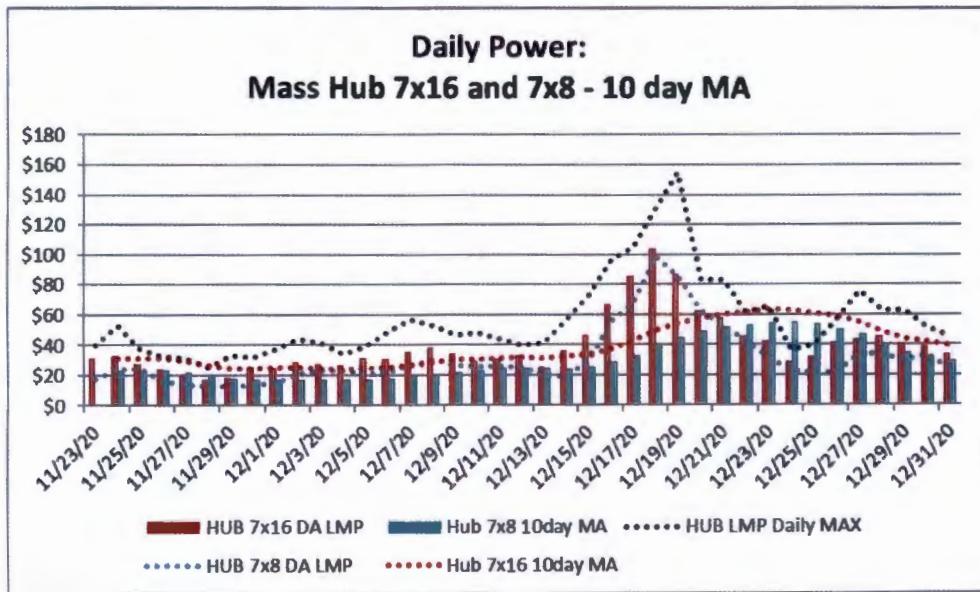


Figure 3 Daily and 10-day moving average HE 1-7, 24 and HE 8-23 MA Hub LMP

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

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.

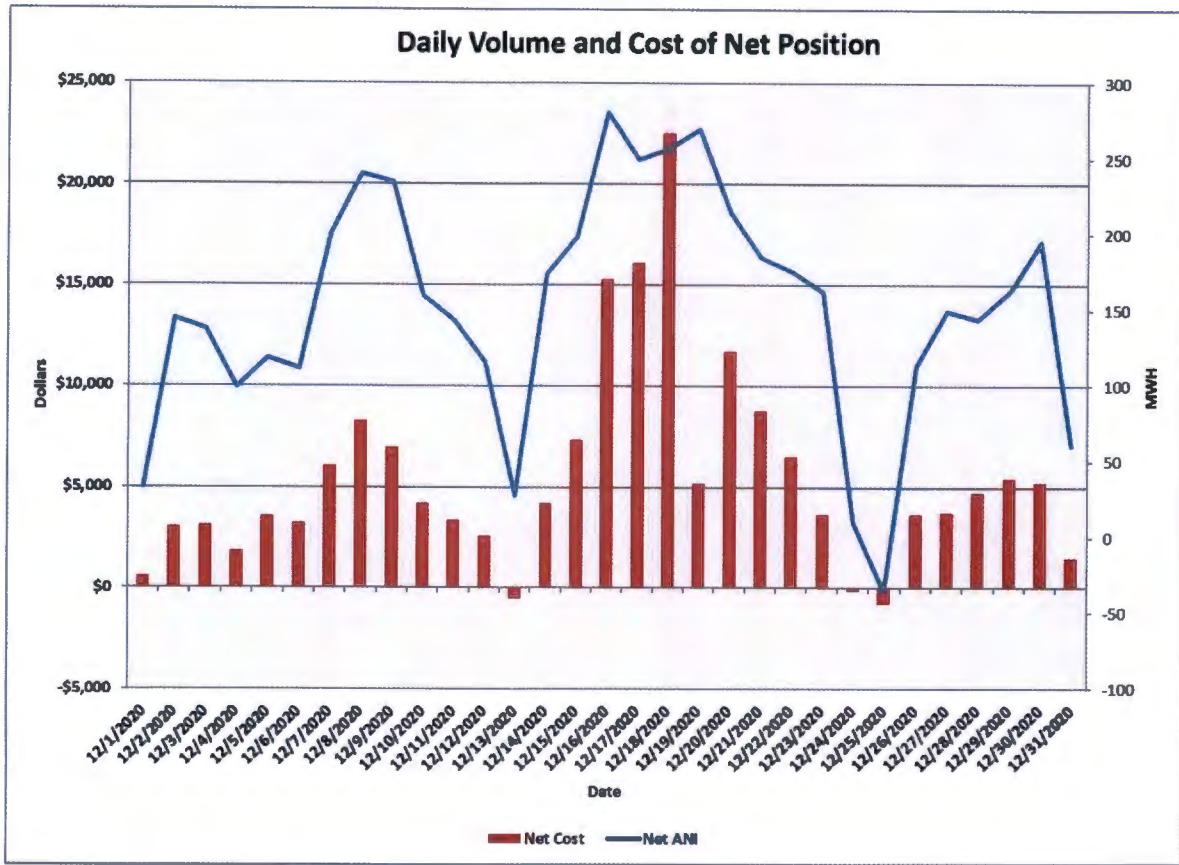


Figure 4 Daily cost of WED open position

* 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 \$55,997.37. 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 (Cost) Benefit	\$/MWH Spread
Dec-20	4004	Load	(48,705.16)	\$(1,949,541.11)	\$ 40.03		
	4000	MASS HUB	32,520.61	\$ 1,333,515.09	\$ 41.01	\$ 59,498.21	\$ 1.83
	4004	CT	8,609.11	\$ 336,322.64	\$ 39.07		
	4011	NYPA	2,835.47	\$ 108,466.86	\$ 38.25	\$ (3,500.83)	\$ (1.23)
	RT Marg Loss/External Dist			\$ 1,076.67			
Totals			(4,739.98)	\$ (170,159.85)	\$ 35.90	\$ 55,997.37	\$ 1.58
August	Meter Reading Resettlement			\$ 896.03			
	CMEEC Resettlement			(828.26)			
Totals			(4,739.976)	\$ (170,092.08)	\$ 35.88		

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 12/2 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: February 8, 2021

RE: **WHOLESALE POWER SUPPLY SUMMARY**

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

Executive Summary

- December actual load was 3.2% below budget.
- Total Wholesale Power Costs for December were \$81.47/MWh; 2.6% lower than the 2020/2021 budget projection of \$83.66/MWh.
- December load was 90.3% hedged, compared to the November 2020 forecasted hedge percentage of 88.5%.
- Total Energy costs for December were \$39.79/MWh; 6.6% less than the budgeted value of \$42.58/MWh.
- Basis credits totaled \$55,997 (\$1.38/MWh) for the 35,356 MWh of hedges purchased at the Hub and Roseton.
- The Pierce project resulted in a net loss of \$68,981, or \$1.42/MWh of the WED's total load net of NuCor's market-priced load.
- No procurements were conducted since the last report.

December 2020 Wholesale Power Costs

The overall load forecasting error for December was 3.2% (actual load was 3.2% below budget).

The WED's total Wholesale Power Costs (including ENE administrative charges and WED charges to Account 557 excluding Nucor market-priced load charges) for December were \$81.47/MWh; this is 2.6% below the 2020/2021 budget (ENE 1/15/20 forecast) of \$83.66/MWh. Per-unit costs were lower than budget due primarily to lower than budgeted per-unit costs for unhedged load and transmission costs. NEPOOL OATT/ISO Tariff expenses were approximately \$33,200 under budget due to a lower load at the time of the CT peak, and LNS charges were approximately \$20,100 under budget due to lower rates for service from Eversource and UI. Forward Capacity Market charges were approximately \$24,700 over budget due to a higher than budgeted per unit charge to load serving entities.

90.3% of WED's load was hedged, compared to the projected hedged level of 88.5% in the 11/15/2020 3-year Forecast prepared by ENE.

As noted in ENE's *Hedging Results Discussion*, the WED's overall average cost for Energy in December was approximately \$39.79/MWh, 6.6% below the budgeted Energy cost of \$42.58/MWh. This figure includes the following:

- WED hedges purchased from Exelon, NextEra, NYPA, and Shell which averaged \$40.21/MWh.
- Purchases at spot market prices for unhedged volume. In hours in which it was short energy, the WED purchased 4,828 MWh through the spot market at a weighted-average price of \$48.62/MWh, for a total cost of \$234,748. This is an increase of \$40,604, or 20.9%, 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 88 MWh at an average price that was \$22.15/MWh less than its weighted-average hedge price in those same hours, for a total "loss" of \$1,958. 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 \$42.99/MWh, while the off-peak LMP averaged \$37.59/MWh. DAM spot market prices ranged from \$10.79/MWh to \$155.02/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 \$59,498 (\$1.83/MWh) for 32,521 MWh delivered to the MA Hub plus a charge of \$3,501 (\$1.23/MWh) for 2,835 MWh of NYPA energy delivered to the Roseton Interconnection between New York and New England, for a net credit to the WED of \$55,997 (\$1.58/MWh) for 35,356 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 2.97%, resulting in 1,319 MWh purchased and 133 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 January 2021

December participation in the Pierce project resulted in a net loss of \$61,005 (recall that the benefits/costs are distributed on a one-month lag) prior to accounting for A&G costs.

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	\$629
Allocation of Pierce Ownership Interest	\$7,976
Total	\$8,605

These two amounts result in a net loss of \$69,610. Net losses associated with Pierce were \$68,981, or \$1.42/MWh of WED's total load for the month net of NuCor.

Recent and Pending Transactions

No procurements were conducted since the last report.

WED’s annual minimum and maximum hedge percentages for Q1 2021 along with its hedge percentage are shown in the table below:

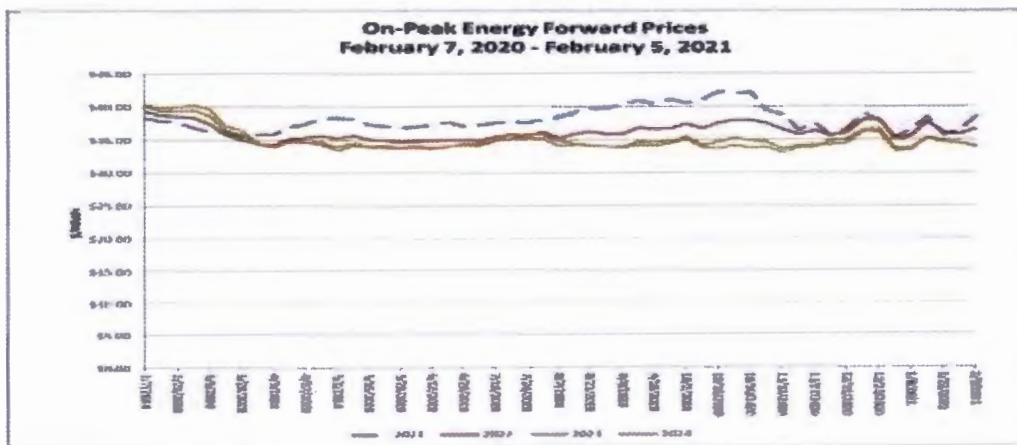
Year	Min Hedge % per Hedging Policy	Current Hedge %	Max Hedge % per Hedging Policy
2021	80%	90%	100%
2022	60%	80%	90%
2023	40%	60%	70%
2024	20%	35%	50%
2025	0%	5%	30%

WED is not required to make any additional purchases for 2021 and 2022. 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 additional purchases of at least 10% of 2023, 2024 and 2025 annual energy needs by the end of Q3 2022.

With respect to the maximum hedge levels allowed per the Hedging Policy, WED can make a purchase of up to 10% of its remaining 2021 annual energy requirement in Q1 2021; however, WED is already at its self-imposed limit of 90%, so additional purchases for 2021 are not likely. In Q1 2021, WED can also make a purchase of up to 10% of 2022 and 2023, 15% of 2024 and 25% of 2025 annual energy 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 February 7, 2020 - February 5, 2021.



Forward energy prices for each year have been volatile since mid-December, increasing with cold weather and decreasing as the cold recedes. 2021 and 2022 have been more volatile than 2023 and 2024, which makes sense given that, if Natural Gas demand increases this winter, there is less time for reserves to recover for the remaining of 2021 and 2022 than there is for 2023 and 2024. The trend of 2021 and 2022 prices being higher than 2023-2024 continues.

Wholesale Power Market Developments

1. Pierce Generation - December – The unit was not dispatched by ISO New England; however, there was a test run on December 2nd that resulted in total output of 38.633 MWh. WED's share of that generation was 12.699 MWh.

WED experienced a net loss from the unit of \$61,005 (not including A&G), which was \$40,865 worse than budget. The deviation is mainly due to lower than budgeted Forward Reserve Market Revenues (due to a lower Winter 2020-2021 Auction clearing price) and higher than budgeted maintenance expenses.

2. Addressing Internal Market Monitor Concerns Regarding Behind-the-Meter Generation – Recall that, in July 2020, ISO New England's Internal Market Monitor (IMM) raised concerns that the widespread treatment of Behind-the-Meter generation as load reducers is in violation of the NEPOOL Tariff.

To address these concerns, the Transmission Owners, who play a large part in developing and implementing the tariff, proposed revisions to the tariff language that would allow generation that is less than 5 MW, and configured as Behind-the-Meter, to be treated as load reducers.

On January 20, 2021, NEPOOL counsel issued a memo outlining the evolution of treatment of Behind-the-Meter generation in the definition of Regional Network Load (the load used for NEPOOL transmission billing purposes) and potential paths the current discussion can take.

On the same date, the IMM issued a memo reiterating its position that current practice of reducing Regional Network Load by Behind-the-Meter generation is inappropriate, and should be discontinued until a resolution is determined.

The Transmission Owners are expected to present a revised proposal to the NEPOOL Transmission Committee in February. A NEPOOL Participants Committee vote on the ultimate proposal is anticipated for May 1, 2021, with implementation scheduled for August 1, 2021. A vote with 2/3 in Approval is needed at the Participants Committee to change the current wording of the tariff.

It is unclear at this time whether the IMM's expectation of changes to the current practice can be implemented before August 1, 2021, and any implications that may have.

3. Future Grid Study – ISO New England and its stakeholders are conducting a study that examines the shortfalls of the current market structure in meeting reliability needs in 2035, assuming state renewable energy and emission mandates are met.

The study is anticipated to be conducted in two phases. Phase I of the study identifies the reliability shortfalls; this phase kicks off in March 2021 and is expected to be completed in early/mid-2022. Phase II of the study will attempt to identify market-rule changes necessary to fill the reliability gaps. No timeline has been established for Phase II.

4. Clean Energy Transition Study – On a parallel path, but related to Phase II of the Future Grid Study, is the Clean Energy Transition Study. The purpose of the study is to identify future market structures that could allow for the acquisition of sufficient clean energy resources to meet the New England states’ emission reduction and renewable energy goals.

A consultant hired by ISO New England, to evaluate different market structures that could allow for the acquisition of clean energy resources sufficient to meet state renewable energy and emission mandates, submitted his report on January 6, 2021.

The following four different structures were evaluated:

- Forward Clean Energy Market
- Carbon Pricing
- Energy-Only Market
- Alternative Resource Adequacy Constructs

One interesting finding in the report is that none of the structures completely addresses all of the identified tensions between state energy policies and the current ISO New England wholesale power markets.

Stakeholder discussion and evaluation of the alternatives will begin in February. At this point only the Forward Clean Energy Market and Carbon Pricing structures are planned for discussion and evaluation.

Because current Forward Capacity Market rules procure resources 3 years in advance, a new structure is not expected to be implemented before June 2026.

At some point, the Clean Energy Transition Study and Phase II of the Future Grid Study will likely need to link up. It is unclear yet how this will happen. The New England States Coalition on Energy (NESCOE) has been quite active in these matters, and holding a series of stakeholder webinars.

5. COVID-19 Load Impact – January – Total energy consumption for WED customers, net of the NuCor load that is served at market prices, was 50,116 MWh in January 2021. This is 2.8% higher than January 2020 on a non-weather-adjusted basis, with two less weekdays and two more weekend/holiday days in January 2021 than January 2020. January 2021 was noticeably colder than January 2020 from a Heating Degree Day (HDD) perspective, with 1,043 HDD in 2021 compared to 932 HDD in 2020.

Comparing January 1-31, 2021 to January 3, 2020-February 2, 2020, to line up days of the week, January 2021 load was 2.9% higher, with 1,043 HDD compared to 935 HDD for the same period a year ago.

A plot of hourly loads for 2020 vs. 2019 is provided below:

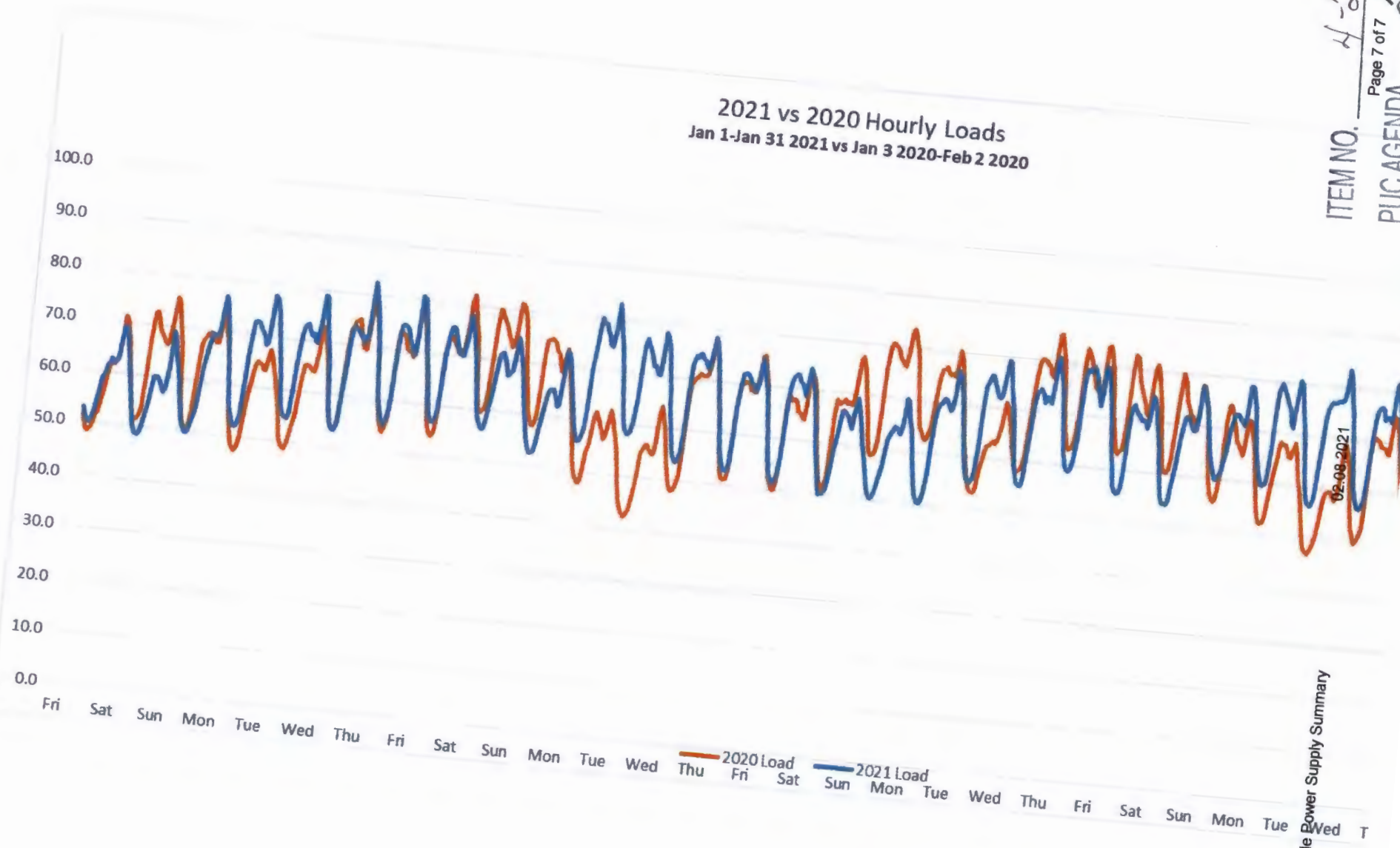
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• Craig Kiery
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2021 vs 2020 Hourly Loads Jan 1-Jan 31 2021 vs Jan 3 2020-Feb 2 2020



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: WATER DIVISION GENERAL MANAGER'S REPORT FOR JANUARY
DATE: FEBRUARY 10, 2021

Major activities in the Water Division for January, 2021 included the following:

Water Main Breaks, Service Leaks and Emergencies

- * There were three water main breaks during the month: one at 82 Mariot Circle (6" ACP installed in 1960); one on Ward Street Extension at Simpson Avenue (10" CICAL installed in 1961); and one at 609 Ward Street Extension (10" CICAL installed in 1959).
- * There were two water service leaks during the month: one at 3 Cooper Avenue (3/4" copper installed in 1951); and one at 134 North Street (3/4" copper installed in 1967).

Project Updates (Engineering Section)

- * Replacement of the Underground Fuel Oil Storage Tank (UST) at Pistapaug Pond Treatment Plant: The Contractor is waiting for the new 100-gallon day tank to be delivered. The Town has received the closure report from the project Contractor for the underground tank that was removed.
- * The design drawings and specifications from water main replacement Contract 37 are approximately 95% complete. The current schedule is to advertisement this project in late winter 2021.
- * The design drawings and specifications for the water mains along the Main Street (S.R. 150) bridge and the Church Street (S.R. 68) bridge (the in-house project named is Pipes on Bridges) are approximately 90% complete. The plan is to bid this project in late spring 2021, and then award this project in mid-summer 2021.

Operations, Maintenance and Water Quality

- * Raw Water Pump #4 was rebuilt and re-installed (this is the last of the raw water pumps to be rebuilt), and the altitude valve at Hillhouse Tank was rebuilt by WWD staff.

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- * The Water Quality Inspectors responded to two telephone complaints regarding water quality. One of these complaints was in regards to a sewer taste. The customer was advised to taste and smell the water away from their drain, to rule out drain odor, and a nearby hydrant was flushed. The other complaint was in regards to cloudy water, which was the result of air bubbles. These air bubbles tend to form during cold weather. Both customers concerns were satisfactorily resolved.
- * The Water Quality Inspectors administered the Cross Connection Control Program with: 96 cross connection surveys, two of which were for corrected violations; and 45 cross connection device tests.
- * Engineering Section staff responded to 169 Call Before You Dig (CBYD) tickets (requests) during the month compared to 180 CBYD tickets in January 2020.

Personnel

- * Maintainer II - Distribution Crew position: Maintainer I Louis Crespo was promoted to the position effective January 31, 2021.
- * An Authorization for Employment for Maintainer I - Distribution Crew was initiated on January 25, 2021 and advertised on February 9, 2021. The job posting closes on March 2, 2021.

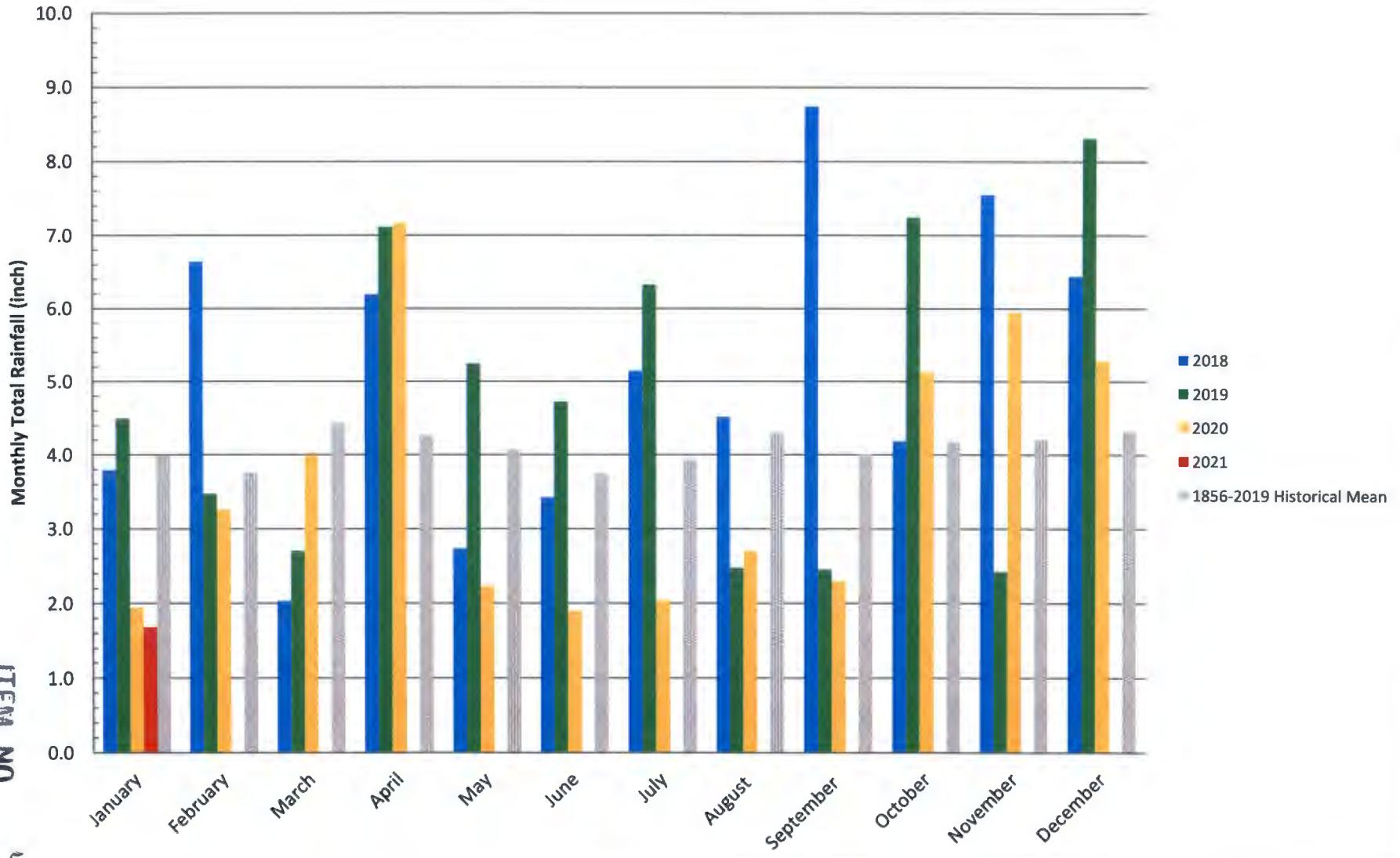
Statistics and Metrics

- * Precipitation for the month was 1.68 inches, 2.30 inches below the historic mean of 3.98 inches for January.
- * Effective reservoir storage at the end of the month stood at 87.0% (1,672.0 MG) of total effective impoundment (full 1,921.0 MG), versus the historical average of 85.6% for January (a difference of 27.2 MG). This represents approximately 569 days of supply remaining at 2.94 MG average per day drawn from the surface water reservoirs. The reservoir levels are in the Normal range.
- * Water production for the month was 91.043 million gallons (2.94 MG average per day), a decrease of 0.77% compared to January, 2020.

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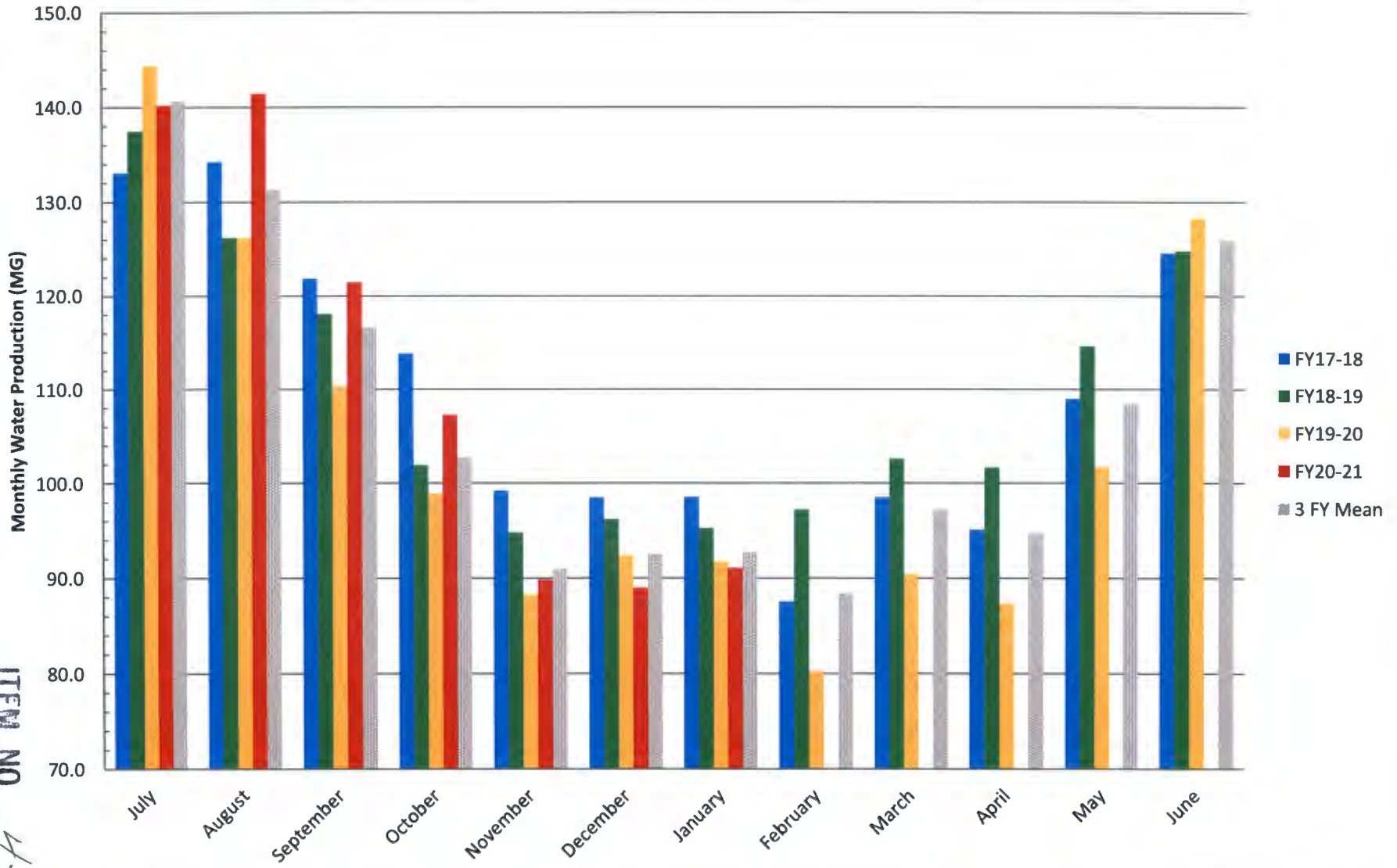
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**Monthly Measured Rainfall
at MacKenzie Reservoir
2018 - 2021**
Water Division
Department of Public Utilities



PUC AGENDA 2/10/21
ITEM NO. 4-103

Total Monthly Water Production
FY17-18 to FY20-21
Water Division
 Department of Public Utilities



PUC AGENDA
 ITEM NO. 4404
 2/6/21

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 *raf*
SUBJECT: SEWER DIVISION GENERAL MANAGER'S REPORT FOR JANUARY
DATE: FEBRUARY 10, 2021

Major activities in the Sewer Division for January, 2021 included the following:

Alarms, Trouble Calls and Emergencies

- * The Sewer Division responded to four alarms and trouble calls during the month including: one lateral backup (responsibility of the homeowner); an odor complaint that was the result of a commercial establishment cleaning their onsite grease trap (responsibility of the property owner); a low-level alarm at the Pond Hill Pump station (reset float); and a dead battery for an Electric Division vehicle (jumped vehicle).
- * Project Updates (Engineering Section)
- * Inflow and Infiltration Removal Program: Correspondence and inspections were suspended due to the COVID-19 pandemic.
- * Durham Road Gravity Sewer Main Replacement: Engineering Section staff continue to develop plans and specifications for this project.
- * Inflow and Infiltration Flowtote Program: Engineering Section staff continue to analyze flowtote data concerning inflow and infiltration quantity calculations (wet day and dry day comparisons), and evaluate placement of flowtotes to collect additional data from specific sewersheds.
- * Manhole Lining and Repair: Staff is in the process of selecting manholes for repair and/or lining based on manhole inspection performed by the Collections Crew.

Operations and Maintenance

- * Collection system staff continued preventive maintenance of the system with 6,523 feet of sewers televised and with 474 feet of sewers flushed during the month. Through January, 1.24 miles of sewers have been televised (0.62% of the system) and 0.09 miles of sewers have been flushed (0.05% of the system) in 2021. For reference, the gravity collection system is approximately 198.6 miles total.

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- * Sewer Division staff also performed 35 manhole inspections during the month.
- * WSD staff replaced drives on RBC 4-1 and RBC 4-3; and removed, cleaned, rebuilt and reinstalled Muffin Monster #2 in the Sludge Processing Area.

Personnel

- * An Authorization for Employment for an Attendant II position was initiated on January 25th. This position was advertised on February 5, 2021 with a closing date of February 23, 2021
- * An Authorization for Employment for an Attendant I position was initiated on December 10, 2020. The position was advertised January 8, 2021 with a closing date January 26, 2021. Per a memorandum dated February 1, 2021 from the Human Resources Department there were no qualified candidates for this position.
- * An Authorization of Employment for a Maintenance Repair Technician I (MRT I) position was initiated on December 10, 2020. The position was advertised January 8, 2021 with a closing date of January 26, 2021.

Statistics and Metrics

- * Recorded influent flow to the wastewater treatment plant was 182.40 million gallons for the month, a decrease in flow of approximately 3.13% compared to January, 2020 (a decrease of 5.89 MG for the month). This represents an average daily flow of 5.88 mgd for the month.

The 12-month rolling average through January, 2020 is equal to 5.12 MGD, which is below the 90% permit threshold of 7.2 MGD.
- * At the wastewater treatment plant, nitrogen discharge levels averaged 628.4 pounds per day for the month (52.9% treatment efficiency with an influent nitrogen level of 1,334 pounds per day), versus a discharge of 511 pounds per day in January, 2020. This quantity is approximately 359 pounds over the current year's permit level of 269 pounds per day. The annualized average is 628 pounds per day to date.
- * Synagro transported 33.41 dry tons of biosolids for disposal during the month.
- * The WPCF received 1,000 gallons of septage for the month.
- * The Maintenance Repair Technicians (MRTs) serviced 29 Department of Public Utilities vehicles in January, including seventeen Electric Division vehicles (59% of time spent), seven Water Division vehicles (24% of time spent), and five Sewer Division vehicles (17% of time spent).

Monthly Statistics January, 2021
Inflow and Infiltration Program
Wallingford Sewer Division
 Department of Public Utilities

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

2.0 Initial Inspections Completed	Current Month	CY to Date
2.1 Residential		
2.2 Commercial, Institutional, Etc.		
2.3 Dye Tests		
Completed Inspections Total	0	0

3.0 Issues Identified	Current Month	CY to Date
3.1 <i>No Issues Found</i>		
3.2 Sump Pump		
3.3 Rain Leaders (Downspouts)		
3.4 Interior Floor Drains		
3.5 Exterior Yard or Driveway Drains, Etc.		
3.6 Damaged Lateral or Private Sewer		
3.7 Miscellaneous - MH, CB, Foundation Drain		
Issues Identified Total	0	0

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

5.0 Inflow Removed and Costs Avoided	Current Month	CY to Date
5.1 Inflow Gallons Removed per Year	0	27,190
5.2 Annual WWTP Costs Avoided	\$0.00	\$137.58
5.3 20-year Planning WWTP Costs Avoided	\$0.00	\$2,684.55

6.0 Reimbursement to Property Owners	Current Month	CY to Date
6.1 In Evaluation	\$0.00	\$0.00
6.2 Approved for Payment	\$0.00	\$0.00
6.3 Payments Made	\$0.00	\$0.00

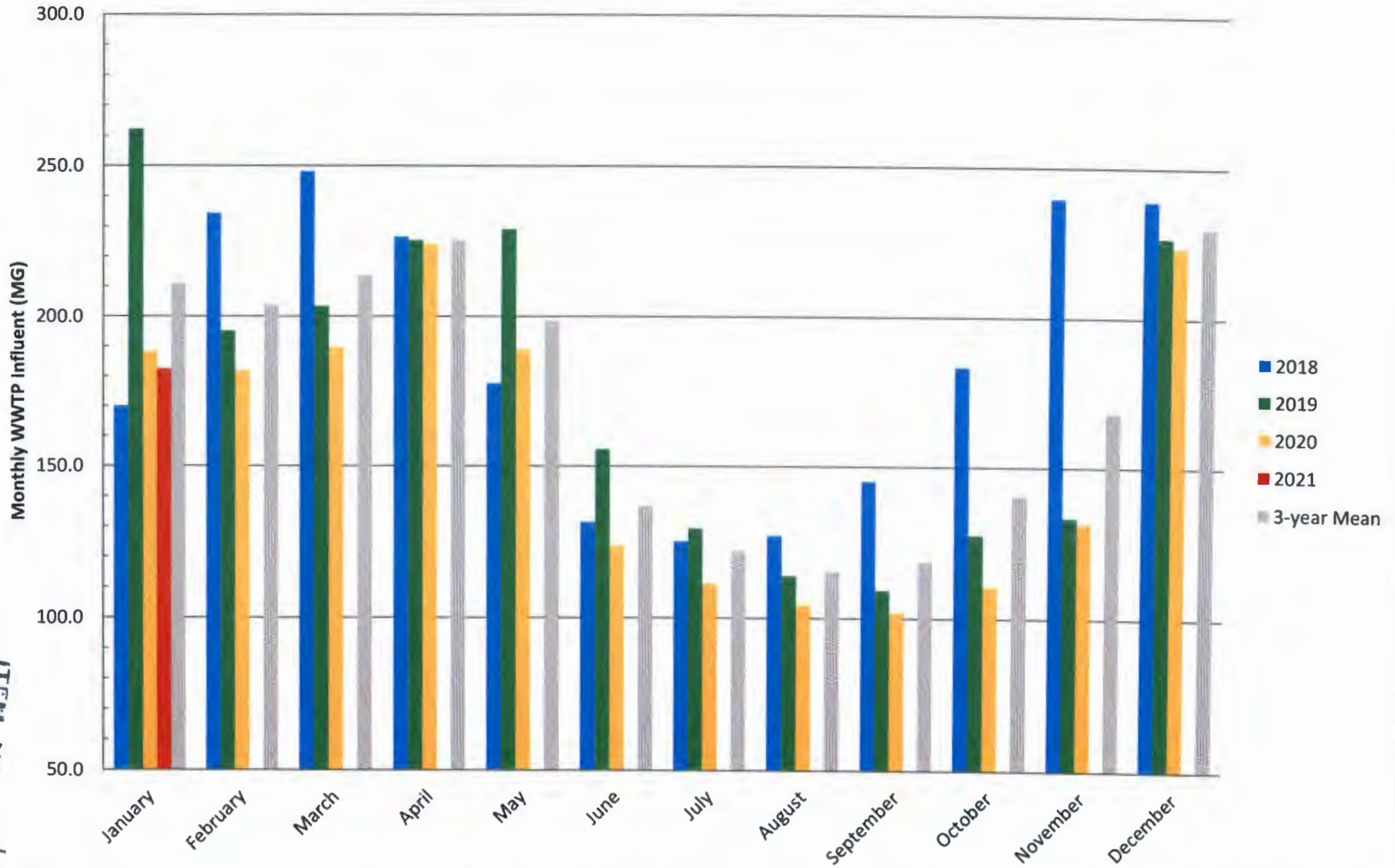
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Total Monthly WWTP Influent Quantity

CY 2018 - 2021

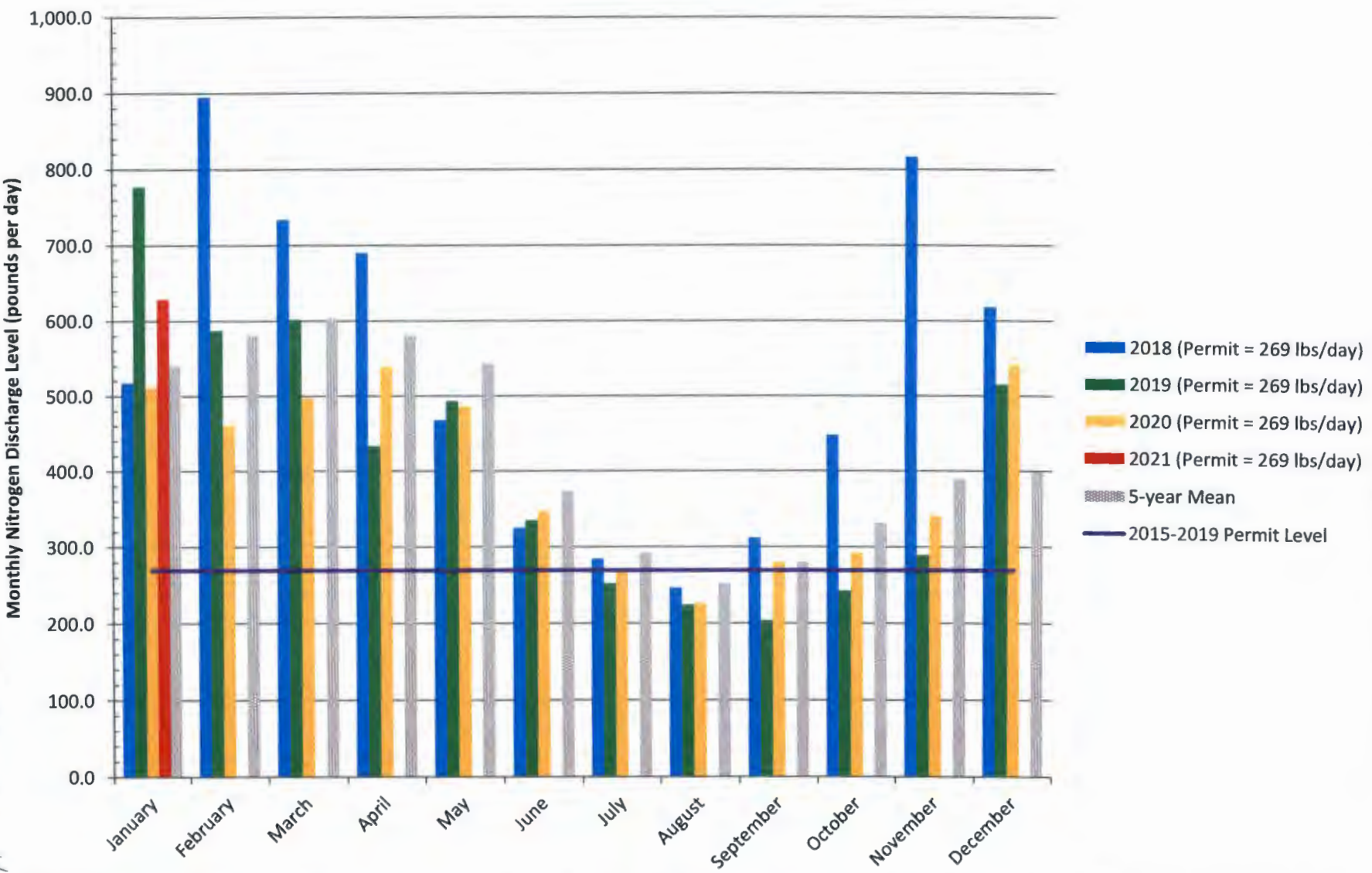
Sewer Division

Department of Public Utilities



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Total Monthly Nitrogen Discharge Level
CY 2018 - 2021
Sewer Division
 Department of Public Utilities



ITEM NO. 4109
 PUC AGENDA 2/16/21

RESOLUTION

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

William Walsh

upon his retirement after more than 29 years of dedicated service to the Town of Wallingford Sewer Division; and

WHEREAS, the Commissioners do hereby express their gratitude to Bill for his sincere efforts over the years on behalf of the Sewer Division; and

WHEREAS, Bill's years of experience and skill have allowed him to contribute to the Division as he performed his duties as Sewer Attendant II; and

WHEREAS, Bill is known for his quick wit, sarcasm, and his plethora of random knowledge; and

WHEREAS, Bill is an excellent chef and his specialties, cheesecake and pepperoni pizza, will be missed; and

WHEREAS, Bill could always be counted on to do what was asked of him, though sometimes with a bit of grumbling; and

NOW THEREFORE BE IT RESOLVED that this Commission goes on record as extending to William Walsh 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: February 16, 2021

ITEM NO. 5-1
PUBLIC AGENDA 2/16/21