

AGENDA

For

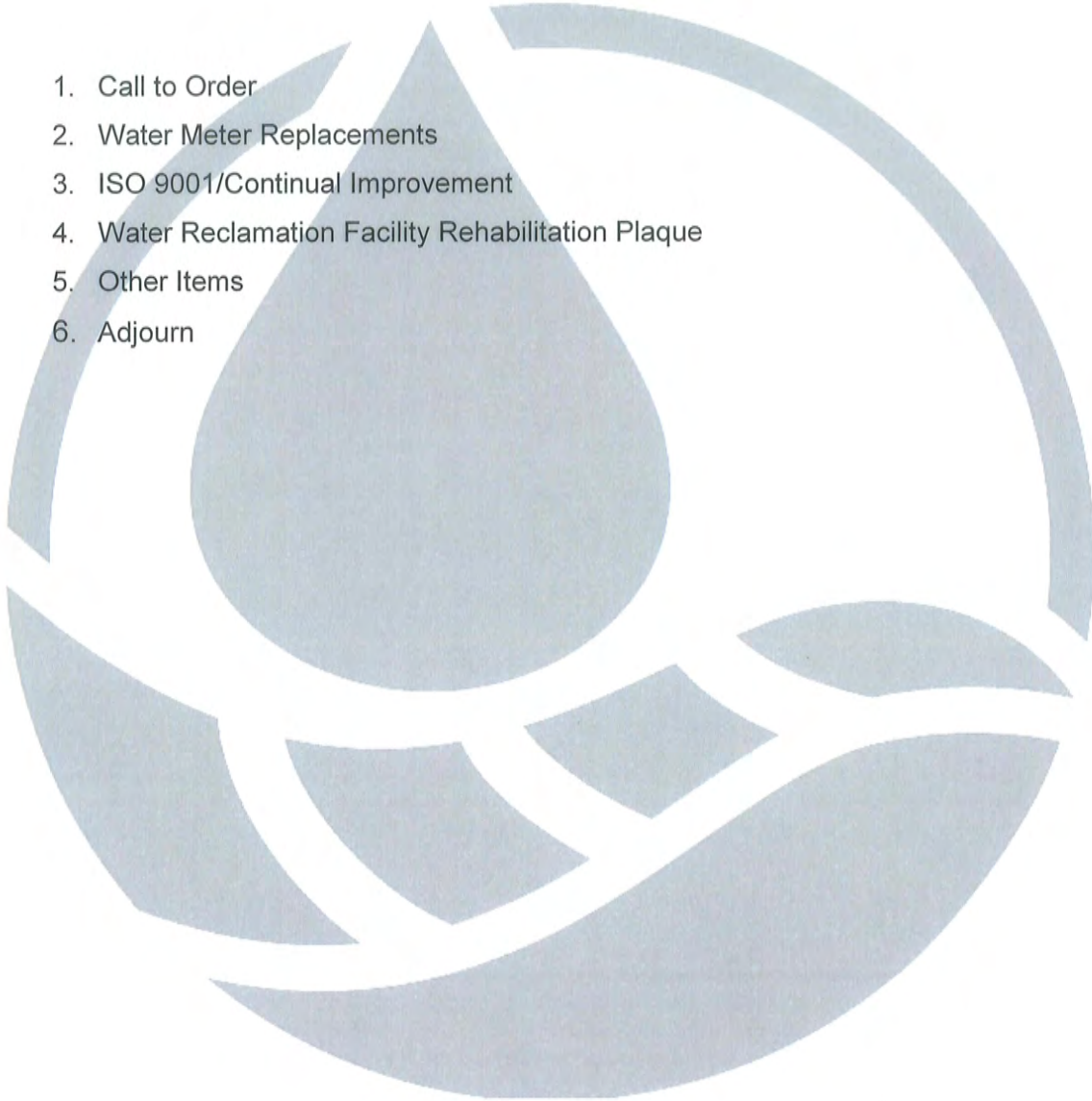
WORK SESSION

Tuesday

February 19, 2019

6:00 PM

1. Call to Order
2. Water Meter Replacements
3. ISO 9001/Continual Improvement
4. Water Reclamation Facility Rehabilitation Plaque
5. Other Items
6. Adjourn



Avon Lake Regional Water
MEMORANDUM

To: **Board of Municipal Utilities**

From: **Todd Danielson & Rob Munro**

Subject: **Agenda Items – February 19, 2019, Work Session**

Date: **February 15, 2019**

Item 2: **Water Meter Replacements – RKM**

In an effort to provide an enhanced customer experience, as well as addressing an aging meter infrastructure, staff is in the process of evaluating Advanced Metering Infrastructure (AMI). In 2018 staff replaced 290 meters due to dead batteries. Based on the age of some encoders, 1,682 are reaching the 10-year expected life and will need replaced in 2019. The cost of our currently installed Orion Encoder is \$165/encoder. The cost for a new Orion Encoder with Cellular Endpoint is \$185/encoder plus an \$0.81/month cellular fee per encoder. With this additional service fee there is an option to pre-pay for the first 10 years. The benefit of this structure is that we would not see any cellular price increase for the first 10 years of the encoder. The total front-loaded cost per encoder would be \$282.22. Staff has installed 11 of these new units on residential and commercial services across the city and will evaluate their effectiveness and efficiency over the next three months. If implementation of this project moves forward it would be done in a five-year phased approach.

Item 3: **ISO 9001 / Continuous Improvement – TAD**

On January 25, 2019, several staff members took part in a full-day introductory training, which is scheduled to be followed-up with our strategic partners visiting our facilities during mid-March to undertake a gap analysis. On February 6, leadership team members took part in a half-day training session introducing the concept of metrics. Staff will establish metrics to help monitor progress regarding the strategic plan and continuous improvement.

Item 4: **Water Reclamation Facility Rehabilitation Plaque – CMA**

Item 5: **Other Items**

Item 6: **Adjourn**



Avon Lake
Regional Water

2019 Water Reclamation Facility Rehabilitation

In 2016, the Avon Lake Board of Municipal Utilities authorized a \$35 million rehabilitation project to the facility, the first major renovation since 1960. This project reflects the continued growth in the City of Avon Lake, the future of Avon Lake Regional Water, and the Board's commitment to protecting Lake Erie. Thank you to all Avon Lake Regional Water customers and Ohio EPA's Revolving Loan Fund for funding this project.

Todd Danielson
Chief Utilities Executive

CDM Smith
Design Firm

The Avon Lake Board of Municipal Utilities

John Dzwonczyk, Chairman
Robert Berner
David Rickey
Timothy Rush
Dana Schnabel

Gregory Zilka
Mayor of Avon Lake

MWH Constructors
General Contractor

20"

Cast Bronze Plaque

QTY - 1
MATERIAL - Bronze
SIZE - 20Wx16H
SHAPE - Rectangle(Landscape)
DEPTH - 5/16"
COLOR - Durododic Bronze Painted
FINISH B - Stipple Bckgr
CLEAR - Satin Finish
MOUNT - Type A Blind Stud
ROSETTES - N/A
* BORDER - .375" Single Line

RETURNS/EDGES - painted background color

RAISED Bronze

RECESSED Dur. Bronze

3/8" |

16"



Single Line Border

Colors and shading on this PDF are approximations only. A digital proof cannot predict the final outcome of the hand finished process.

PLEASE NOTE THE FOLLOWING:

Revised Plaque options to match existing plaque better

Version 3

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PLEASE REPLY BY RESPONDING TO THE EMAIL. THIS PROOF HAS BEEN PROVIDED BY

SIGNATURE _____

DATE _____

PURPOSE OF DRAWING: Proof

DATE: 2-7-19

CUSTOMER: Avon Lake Regional Water

FILE: Cast Plaques/Avon Lake Water



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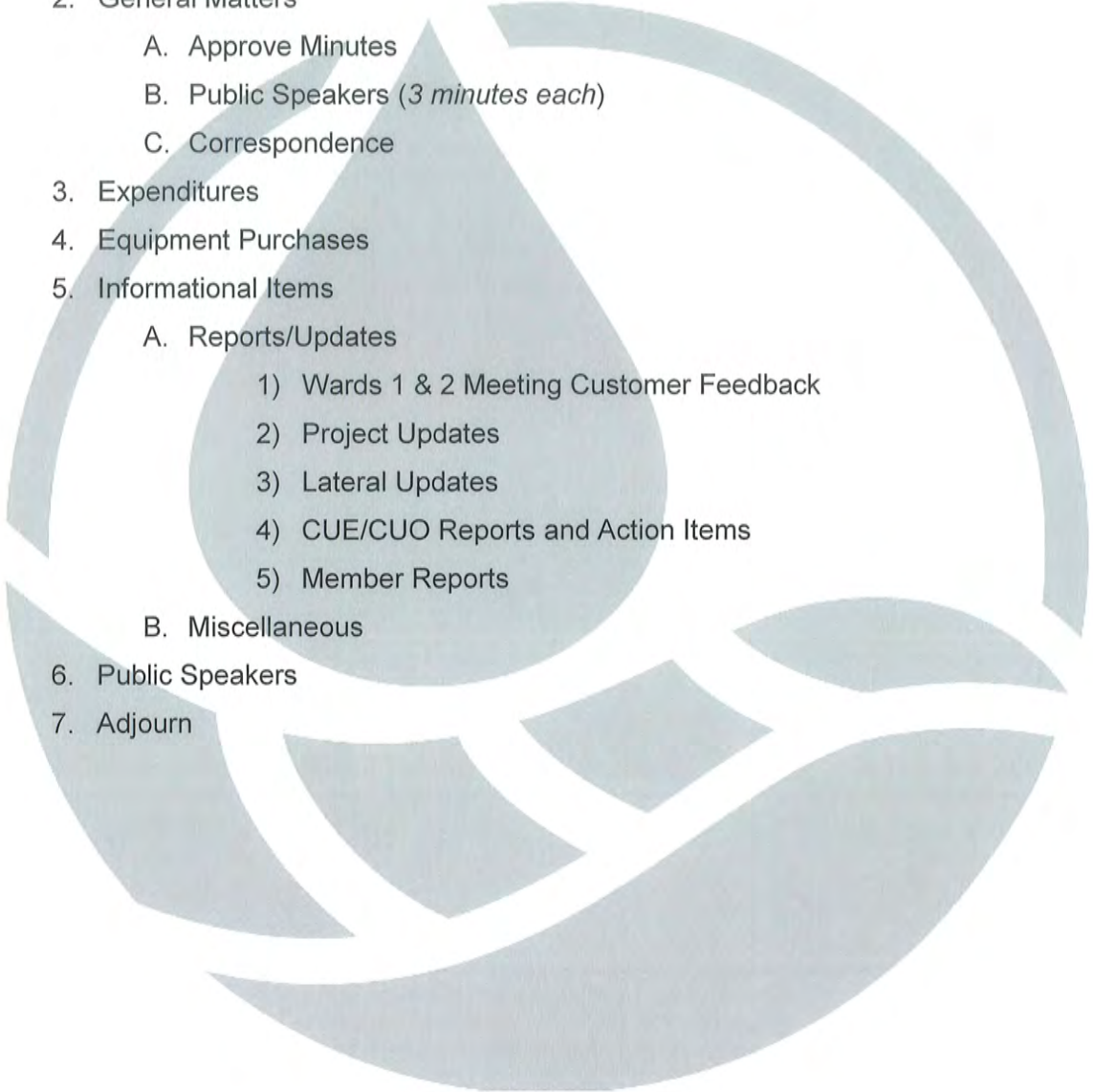
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AGENDA

For

Tuesday

February 19, 2019

- 
1. Call to Order
 2. General Matters
 - A. Approve Minutes
 - B. Public Speakers (*3 minutes each*)
 - C. Correspondence
 3. Expenditures
 4. Equipment Purchases
 5. Informational Items
 - A. Reports/Updates
 - 1) Wards 1 & 2 Meeting Customer Feedback
 - 2) Project Updates
 - 3) Lateral Updates
 - 4) CUE/CUO Reports and Action Items
 - 5) Member Reports
 - B. Miscellaneous
 6. Public Speakers
 7. Adjourn

Avon Lake Regional Water
MEMORANDUM

To: **Board of Municipal Utilities**
From: **Todd Danielson & Rob Munro**
Subject: **Agenda Items – February 19, 2019**
Date: **February 15, 2019**

Item 4: **Equipment Purchases – RKM**

Included as part of the 2019 approved budget was the purchase of new vehicles. Staff is replacing older vehicles that have reached the end of their useful life. We are recommending the purchase of a 2019 Ford Transit and a 2019 Ford Explorer. Staff received multiple quotes for each of the vehicles and is recommending the lowest quote for each. With the amendment to the City of Avon Lake Charter in late 2018, the Ohio Revised Code minimum bid requirement is \$50,000 dollars or more (ORC 307.86). Since both of these purchases fall under the \$50,000 threshold, competitive quotes are required.

These purchases help address the Water Supply Resiliency & Reliability initiative of our draft Strategic Plan, and the Principles that would help guide the Board are:

- ◆ Asset Management
- ◆ Maintain existing assets, while investing in infrastructure that will take us into the future.
- ◆ Exercise fiduciary responsibility.

Recommended Motions:

I move to authorize the purchase of a 2019 Ford Transit from Kowalski Ford in the amount of \$38,168.00.

I move to authorize the purchase of a 2019 Ford Explorer from Mike Bass Ford in the amount of \$33,025.00.

Item 5a1: **Wards 1 & 2 Meeting Customer Feedback – TAD**

The Mayor's annual ward meetings occur in February, with Wards 1 & 2 taking place this past Tuesday, February 12th, and the Wards 3 & 4 scheduled for Wednesday, February 27th. The Mayor asked the CUE to present regarding the sewer separations and the recent rate changes. The CUO and the Community Outreach Specialist were also at the Wards 1 & 2 meeting, which was attended by about 60 residents. Following the presentation and after the meeting, a few customers stated concerns about the rate increases, asking when will they end or will they ever go down once debt service is retired. We responded that the increases we have seen and will see in the near future are in response to the major push to finish sewer separations and undertake the rehabilitation/improvements at the plants and that, though there will be more projects, we intend to undertake them at a slower rate.

Item 5a2: Project Updates – RKM

45 Project: The crews continue to make progress on Forest (storm sewer work) and Lakewood (laterals). Also, the crews returned to starting work at 7:00 a.m. since sunrise is moving closer to 7:00 a.m.

Elyria Interconnection Project: Startup of the new system took place on Wednesday February 6th. Generator load testing is scheduled for February 20th. Masonry stone work has begun on the exterior of the building. Site restoration, paving and fencing will take place in the Spring.

Item 5a3: Lateral Updates – RKM

As of Thursday, February 14, 2019:

- No inspections
 - Group A: 0
 - Group B & C: 4
- Work to complete
 - Group A: 120
 - Group B & C: 218

Item 5a4: CUE/CUO Report and Action Items – TAD/RKM

Action Items are as presented with the write-up.

Item 5b: Miscellaneous

Item 6: Public Speakers

Item 7: Adjourn

Board of Municipal Utilities
Work Session Minutes
February 5, 2019
201 Miller Road
Avon Lake, Ohio

Call to Order – Roll Call

The meeting was called to order at 6:00 PM.

Present: Mr. Abram, Mr. Dzwonczyk, Mr. Rush, Mrs. Schnabel, and Mr. Phillips.

Also present: Councilman Zuber, Councilmember Fenderbosch (arrived partway through meeting), CUE Danielson, CUO Munro, Community Outreach Specialist Arnold (arrived partway through meeting), and Technical Support Specialist Collins.

Draft Strategic Plan

Chairman Dzwonczyk called the meeting to order at 6:00PM and invited the Chief Utilities Executive to discuss the Strategic Plan draft. The CUE included a draft of the 2019 - 2022 Strategic Plan for the Board's review and input. This draft is in a preliminary phase, and staff is seeking input to assure Board support for the initiatives that staff intends to undertake during the next four years. The CUE reminded the Board of the aging infrastructure of the pipes, the plant, and sewer system, and the capital needed to maintain these systems.

The Board discussed the effluent diversion system and the EPA mandates regarding the diversion. The CUE indicated to the Board that the EPA is willing to extend the study of the effluent diversion system by three years, and allow an additional four years for construction of a system that falls within their regulations. The Chairman indicated that the Board had previously stated that they would like to understand more about the Advanced Metering Infrastructure before they support its implementation, and the CUE responded that staff would be presenting more about AMI at the next work session. Member Rush indicated that it would be important for staff to select representative metrics to assure that they are succeeding with the initiatives.

Technical Support Specialist

The CUE informed the Board that he met with the Civil Service Commission on January 7, 2019, and again on January 28, 2019, the Commission determined that the position of Technical Support Specialist should be considered "classified" and indicated that to be considered "unclassified," it must either be converted into a secretarial position or include supervisory responsibilities. The CUE and CUO believe it in the best interest of the organization to include some supervisory responsibilities in the position and present the attached revision for Board input.

The CUE discussed this with the HR Director and the HR Committee Chair and is prepared to present an updated job description to the HR Committee on February 11, 2019. The CUE is currently working with the HR Director and HR Committee Chair to determine whether the job description needs to go through an additional three readings

and is working to get the job description reconsidered by the Civil Service Commission. Mr. Abram said that as he stated previously, in his opinion, the proposed position is not necessary since the duties listed are the responsibility of the CUE.

Overlook Park

The CUE discussed how The 45 Area Combined Sewer Separation Project called for the restoration of Overlook Park, which includes the new playground. The CUE shared with the Board that the park's restoration plans would be discussed at the City's Ward 1 & 2 meeting on February 12, 2019, and that Avon Lake Regional Water will be contributing \$40,000 to the restoration of the park, beyond the basic restoration. The Chairman stressed that staff should not be designing any of the restoration aspects such as the playground, and the CUE agreed that those items were the responsibility of City departments, such as Recreation and Public Works.

Plaque

Staff showed the Board design options of the rehabilitation dedication plaque for the Water Reclamation Facility. The Board shared thoughts on plaque color as to be consistent with other plaques at the facility. Staff will take the Board's requests and develop a final proof for approval from the Board.

Adjourn

With no other business before the Board, Mr. Dzwonczyk adjourned the work session at 6:47 PM.

Approved _____, 2019

John Dzwonczyk, Chairman

Todd Danielson, Clerk

Board of Municipal Utilities
Meeting Minutes
February 5, 2019
201 Miller Road
Avon Lake, Ohio

Call to Order – Roll Call

The meeting was called to order at 6:57 PM following the work session.

Present: Mr. Abram, Mr. Dzwonczyk, Mr. Phillips, Mr. Rush, and Mrs. Schnabel.

Also present: Councilman Zuber (left around 7:30 PM), Councilwoman Fenderbosch (left around 7:10 PM), CUE Danielson, CUO Munro, Community Outreach Specialist Arnold, and Technical Support Specialist Collins.

Approve Minutes

Chairman Dzwonczyk presented the minutes of the January 15, 2019 regular meeting. With no changes, additions or corrections noted, he ordered that the minutes stand and be distributed as presented.

Public Speakers

No Public Speakers

Correspondence

No Correspondence

Expenditures

Following review and a brief discussion of expenses dated February 5, 2019, for funds and amounts as follows. Mr. Abram moved, Mr. Rush seconded to approve the expenditures of February 5, 2019. Resulting from the discussion in which a number of the questions presented by the Board could not be adequately answered, Mr. Abram moved, Mr. Dzwonczyk seconded, that approval of the expenses be moved to the next meeting on February 19, 2019, and the expenses will be considered once the Board's questions are resolved.

Ayes: Abram, Dzwonczyk, Phillips, Rush, and Schnabel

Nays: None

Motion carried.

Resolution of Appreciation for Rick Eberle

The CUE read the Resolution of Appreciation for Rick Eberle on behalf of the Board. After more than 34 years of service to the organization, Rick Eberle retired on December 31, 2018. No vote was necessary for the resolution.

Coaching Services Extension

The CUE informed the Board that at its July 10, 2018, meeting, members expanded the agreement with Miles LeHane to include coaching services for the CUO and CUE through

March 2019. With the benefits that has provided, the Chairman suggested that coaching services be further expanded for additional senior employees of the organization, which received initial support of members at the January 2, 2019, meeting. The CUE requested authorization to execute an extension through the end of 2019 for approximately \$40,000 that would include communications and coaching services for the CUE and CUO and an estimated five additional individuals. Mr. Rush expressed his confidence in the program, and he supported the continued improvement as displayed by the CUE and CUO. Mr. Rush moved, and Mrs. Schnabel seconded, to extend the on-boarding/coaching services to Miles LeHane.

Ayes: Abram, Dzwonczyk, Phillips, Rush, and Schnabel
Nays: None
Motion carried.

Wage Changes for Non-Bargaining Staff

As presented during the January 15, 2019, executive session, the CUE and CUO conducted the annual reviews of non-bargaining staff and proposed wage changes for these members. The CUE and CUO requested Board approval for the change in wage rates and that wage rates to be paid retroactively to January 1, 2019.

<i>Employee</i>	<i>Hourly Wage</i>
<i>Cheryl Arnold</i>	<i>\$27.85</i>
<i>Steve Baytos</i>	<i>\$47.59</i>
<i>Jack Gaydar</i>	<i>\$55.42</i>
<i>Rick Kasten</i>	<i>\$49.84</i>
<i>Greg Yuronich</i>	<i>\$44.30</i>

Mrs. Schnabel moved, and Mr. Phillips seconded, to approve the wage rates of non-bargaining staff and that the wage rates to be paid retroactively to January 1, 2019.

Ayes: Abram, Dzwonczyk, Phillips, Rush, and Schnabel
Nays: None
Motion carried.

Water Plant Operator

The CUO informed the Board that they have conditionally offered Leon Bursley a position as Water Filtration Plant Operator Step 1C beginning February 25, 2019. He has successfully completed his physical, drug screening, and background check.

NPDES Permit Modification

Last week, the CUE discussed the proposed reclaimed water diversion structure with Ohio EPA. Ohio EPA has indicated initial support for modifying the NPDES permit to provide Avon Lake Regional Water additional time to study and determine the most appropriate course of action for additional work that must be completed to prevent sewer overflows after all sewers are separated. In exchange for the additional time (likely until the end of 2022), Avon Lake Regional Water would need to design and construct the reclaimed water diversion structure by the end of 2020. Staff met with CDM Smith to include this as an amendment to the current contract and intends to request that amendment at the Board's next meeting. As a reminder, the CUE has

received tentative approval to include this project as part of a previously-nominated 0%-interest loan project.

Annual Step Increase

As part of the November 20, 2018, write-up, the CUE presented annual step increase information for bargaining employees that would take effect April 1, 2019. Please note that the CUE incorrectly presented Mr. Joshua Spinks was moving from Step 3 to Step 4. He will be moving from Step 4 to Step 5 on April 1, 2019.

Residuals Master Plan

The CUO informed the Board that interviews were conducted with the three top firms, Hazen & Sawyer was selected as the top-ranked firm, and the team is currently working with them regarding scope and budget. The CUO intends to present it for Board approval at one of the next two meetings. Mrs. Schnabel asked about the headquarters location of Hazen and Sawyer. The CUO informed her that while they are headquartered in New York City, NY, they do have a Cleveland office.

Project Updates

45 Project: The CUO explained that sanitary work continues on Forest and it is estimated that there is approximately 3 weeks of this work remaining. Lateral work continues on Lakewood, and it is estimated that there is 8 weeks of lateral work remaining on this street. Construction was slowed due to the sub-zero temperatures during the week of January 28th.

Elyria Interconnection Project: The CUO informed the Board that flushing of lines, pressure testing and bacteria sampling took place the week of February 21st. Startup of the new system is tentatively scheduled for the week of February 4th. Mr. Phillips asked about the use of the project in maintaining maximum capacity at times when other parts of the system are down. The CUE affirmed that the project would help facilitate in maintaining maximum capacity to meet EPA regulations.

Lateral Updates

As of Friday, January 31, 2019:

- No inspections
 - Group A: 0
 - Group B & C: 19
- Work to complete
 - Group A: 123
 - Group B & C: 221

The CUO updated the Board that as of February 5, 2019, there were only 7 homes remaining with "No inspections." In Group B & C from the "Work to Complete" there were now only 219 outstanding. The Chairman asked the CUO about the contracting work that has been supplementing the lateral separations. The CUO informed the Board that there are about five contractors who are continuing the lateral separation. Mr. Rush, requested the current pricing procedures of contractors who are working on lateral separation. The CUO informed the Board that the pricing has remained consistent with the costs seen last year.

CUE/CUO Report and Action Items

The CUO informed the Board that lighting will be put outside to illuminate the sign at 201 Miller Rd. The CUO also stated that the water tower will be illuminated through in-house collaboration between maintenance and the Engineering Services Manager.

Member Reports

Mrs. Schnabel informed the Board that she attended the Introductory Course of the ISO 9001 training with staff on January 25, 2019. Mrs. Schnabel found the training to be useful and informative. Mrs. Schnabel also believes the training brought up many key areas that will help support the staff's efforts, and she is pleased with the program and the potential it offers.

The Chairman offered his support for Mr. Phillips and Mrs. Schnabel in their efforts to run again for the Board of Utilities. He appreciates their efforts, especially during abnormally extreme weather conditions.

Miscellaneous

None

Executive Session

The CUE and CUO requested to meet in executive session to discuss the draft organizational chart and how they envision the evolution of the organization and its staff. Mr. Rush moved to Executive Session, Mr. Abram seconded, to move to meet in executive session as allowed by ORC 121.22 (G) (1) to discuss employment and compensation of public employees and to include CUE Danielson and CUO Munro.

Ayes: Abram, Dzwonczyk, Phillips, Rush, and Schnabel
Nays: None
Motion carried.

The Board reconvened at 8:28 PM.

Adjourn

As there was no further business, Mr. Abram moved, Mr. Rush seconded, that the meeting adjourn at 8:29 PM.

Ayes: Abram, Dzwonczyk, Phillips, Rush, and Schnabel
Nays: None
Motion carried.

Approved _____, 2019.

John Dzwonczyk, Chairman

Todd A. Danielson, Clerk

AVON LAKE REGIONAL WATER
 FUND 701 WATER EXPENSES
 FEBRUARY 19, 2019

Vendor	Amount	Description	Account #
1 Water Employees	\$ 58,980.19	Salaries PR Post Bi-Weekly 220193	701.180.000-51102
2 Water Employees	\$ 3,549.92	Part Time Wages PR Post Bi-Weekly 220193	701.180.000-51105
3 Water Employees	\$ 2,140.04	Overtime Wages Plant PR Post Bi-Weekly 220193	701.180.000-51106.101
4 Water Employees	\$ 396.77	Overtime Wages Dist. PR Post Bi-Weekly 220193	701.180.000-51106.102
5 Water Employees	\$ 1,377.75	Overtime Wages Administration PR Post Bi-Weekly 220193	701.180.000-51106.103
6 Water Employees	\$ 231.75	Overtime Wages Construction PR Post Bi-Weekly 220193	701.180.000-51106.104
7 Water Employees	\$ 121.61	Overtime Wages Office PR Post Bi-Weekly 220193	701.180.000-51106.105
8 Water Employees	\$ 1,482.05	Employee Time Buy Back PR Post Bi-Weekly 220193	701.180.000-52115
9 Lincoln National Life Insurance Co	\$ 303.38	Group Life Insurance - February 2019	701.180.000-52204
10 Internal Revenue Service	\$ 916.97	Medicare FEDERAL - Federal Taxes*	701.180.000-52212
11 Avon Boot Shop Inc.	\$ 109.99	Employee Clothing 1/31/19 - RKM	701.180.000-52226
12 Mercy Occupational Health	\$ 25.00	DOT Quarterly Fee 2/1/19 - TAD	701.180.000-53206
13 Mercy Occupational Health	\$ 113.00	DOT Testing & Pre-Employment Physicals 1/23/19 - TAD	701.180.000-53206
14 FriendsOffice	\$ 314.31	Office Supplies - January 2019 - RKM	701.180.000-53602
15 Link Computer Corporation	\$ 2,061.55	Muni-Link Billing - February 2019 - RKM	701.180.000-53602
16 Neofunds by Neopost	\$ 534.45	Postage and Supplies 01/15/19 - RKM	701.180.000-53602
17 SmartBill Inc	\$ 493.36	Service Fee/Postage for Water Bills - 1/31/19 - RKM	701.180.000-53602
18 Derek's Office Products	\$ 44.50	Typewriter Maintenance Agreement 2019 - TAD	701.180.000-53602
19 Fuelman	\$ 492.33	Fuel for Vehicles 2/11/19 - RK	701.180.000-53604
20 Pelton Environmental Products, Inc.	\$ 1,675.93	Equipment Maintenance 1/25/19 - GY	701.180.000-53607
21 Chemtrade	\$ 3,343.99	Operating Supplies - Alum 1/16/19 - GY	701.180.000-53611
22 Chemtrade	\$ 3,331.52	Operating Supplies - Alum 1/21/19 - GY	701.180.000-53611
23 Salt Connection Inc.	\$ 631.98	Ice Melt 1/14/19 - RK	701.180.000-53612
24 Core & Main LP	\$ 1,146.00	Maintenance Supplies 1/28/19 - RK	701.180.000-53612
25 Swift First Aid Corp	\$ 53.85	Service First Aid Cabinets @ WFP 1/28/19 - GY	701.180.000-53612.001
26 Titan Supply Company	\$ 139.00	Maintenance Supplies 1/30/19 - RK	701.180.000-53612.001
27 E&H Hardware Group, LLC	\$ 297.21	Maintenance Supplies - January 2019 - RKM	701.180.000-53612.001
28 GovConnection Inc	\$ 922.57	Maintenance Supplies 1/21/19 - RKM	701.180.000-53612.001
29 Acuity Speciality Products, Inc.	\$ 296.13	Maintenance Supplies 1/24/19 - GY	701.180.000-53612.001
30 BissNuss Inc.	\$ 1,109.82	Maintenance Supplies 1/29/19 - GY	701.180.000-53612.001
31 Trico Oxygen Company Inc.	\$ 43.60	Maintenance Gases 1/31/19 - RK	701.180.000-53612.001
32 Trico Oxygen Company Inc.	\$ 34.80	Maintenance Gases 1/31/19 - GY	701.180.000-53612.001
33 Grainger	\$ 262.46	Maintenance Supplies 2/5/19 - RK	701.180.000-53612.001
34 Parker Supply LLC	\$ 259.61	Maintenance Supplies 2/1/19 - GY	701.180.000-53612.001
35 The Henry P. Thompson Co.	\$ 19,580.72	Maintenance Supplies 1/25/19 - GY	701.180.000-53612.001
36 ABC Equipment Rental & Sales Corp	\$ 65.65	Maintenance Supplies 2/7/19 - RK	701.180.000-53612.001
37 ABC Equipment Rental & Sales Corp	\$ 54.00	Maintenance Supplies 2/8/19 - RK	701.180.000-53612.001
38 Rexel, Inc.	\$ 4,105.64	Lighting Supplies 1/28/19 - GY	701.180.000-53612.004
39 Badger Meter Inc.	\$ 140.86	Badger - Meters 2/6/19 - RKM	701.180.000-53612.005
40 Hach Company	\$ 2,403.15	Lab Supplies 1/22/19 - GY	701.180.000-53613
41 Hach Company	\$ 86.62	Lab Supplies 1/25/19 - GY	701.180.000-53613
42 Hach Company	\$ 36.62	Lab Supplies 1/24/19 - GY	701.180.000-53613
43 Hach Company	\$ 221.32	Lab Supplies 1/28/19 - GY	701.180.000-53613
44 Hach Company	\$ 442.15	Lab Supplies 1/31/19 - GY	701.180.000-53613
45 Trico Oxygen Company Inc.	\$ 40.60	Maintenance Gases 1/31/19 - GY	701.180.000-53613
46 Alloway Corp	\$ 1,840.00	Lab Analysis 1/31/19 - GY	701.180.000-53613
47 SOS Integration Services Corp	\$ 1,200.00	On Site Services 2/4/19 - GY	701.180.000-53701
48 SOS Integration Services Corp	\$ 1,800.00	On Site Services 1/30/19 - GY	701.180.000-53701
49 U.S. Bank Equipment Finance Inc	\$ 25.85	Lease Payment on 2 Ricoh Copiers 1/14/19 - RKM	701.180.000-53701.001
50 Brakey Energy, Inc.	\$ 925.00	Monthly Fee for Energy Management Services 1/30/19 - TAD	701.180.000-53701.002
51 Area Temps	\$ 1,336.00	Temporary Office Help - Week Ending 01/27/19 - TAD	701.180.000-53701.002
52 Cuyahoga Community College	\$ 2,845.00	Training/Implementation Svc - Phase II - TAD	701.180.000-53701.002
53 Area Temps	\$ 1,202.40	Temporary Office Help - Week Ending 2/3/19 - TAD	701.180.000-53701.002
54 Republic Services #224	\$ 577.07	Container Delivery 1/25/19 - GY	701.180.000-53701.002
55 Technology Management Solutions Inc	\$ 1,854.38	Computer Support 2/6/19 - RKM	701.180.000-53701.002

56	Technology Management Solutions Inc	\$	828.18	Microsoft Product & Kaspersky Renewals 2019 - RKM	701.180.000-53701.002
57	Technology Management Solutions Inc	\$	1,544.99	Computer Support & Offsite Back Up 2/3/19 - RKM	701.180.000-53701.002
58	Columbia Gas	\$	1,530.27	gas svc @ 201 Miller Rd 12/28/18-1/29/19 - RKM	701.180.000-53702.002
59	Columbia Gas	\$	29.99	gas svc @ 33370 Lake Rd WFP Lab 12/18/18-1/21/19 - GY	701.180.000-53702.002
60	Illuminating Company	\$	9,241.91	elec svc @ 33370 Lake Rd 12/19/18-1/18/19 - GY	701.180.000-53703.001
61	Illuminating Company	\$	129.88	Electric Service-Various locations - GY	701.180.000-53703.002
62	Avon Lake Regional Water	\$	5.37	Water Used from ETL1 January 2019 - RKM	701.180.000-53704
63	Verizon Wireless	\$	488.17	Cellphone Service 12/26/18-1/25/19 - RKM	701.180.000-53705
64	Spectrum Business	\$	218.21	Internet/Phone Svc @ WFP 1/30/19-2/28/19 - GY	701.180.000-53705
65	Napa Avon	\$	1,064.20	Misc Truck Parts & Tools - Jan 2019 - RK	701.180.000-53707
66	Speed Exterminating Co. Inc.	\$	30.00	Exterminating Svc @ 201 Miller Rd - RKM	701.180.000-53708
67	Complete Concrete	\$	85.00	Snow Plowing @ 201 Miller Rd - January 2019 - RK	701.180.000-53708
68	Fire Loss Control, Inc.	\$	350.00	Annual Inspection and Testing - Emergency Lights 1/29/19 - GY	701.180.000-53708.001
69	Burgess & Niple Limited Inc.	\$	5,838.00	Prof Svc @ West Ridge Emergency Interconnect 1/29/19 - RKM	701.180.000-53806
70	Kenneth Dennis	\$	1.28	Refund overpayment 2/6/19 - TAD	701.180.000-53901
		\$	<u>149,405.87</u>		

**AVON LAKE REGIONAL WATER
FUND 721 WASTEWATER EXPENSES
FEBRUARY 19, 2019**

Vendor	Amount	Description	Account #
1 Wastewater Employees	\$ 58,109.13	Salaries - PR Post Bi-Weekly 220193	721.190.000-51102
2 Wastewater Employees	\$ 4,821.15	Part Time Wages - PR Post Bi-Weekly 220193	721.190.000-51105
3 Wastewater Employees	\$ 990.07	Overtime Wages Plant - PR Post Bi-Weekly 220193	721.190.000-51106.101
4 Wastewater Employees	\$ 1,432.42	Overtime Wages Dist. PR Post Bi-Weekly 220193	721.190.000-51106.102
5 Wastewater Employees	\$ 1,764.80	Overtime Wages Administration PR Post Bi-Weekly 220193	721.190.000-51106.103
6 Wastewater Employees	\$ 280.88	Overtime Wages Construction PR Post Bi-Weekly 220193	721.190.000-51106.104
7 Wastewater Employees	\$ 40.53	Overtime Wages Office PR Post Bi-Weekly 220193	721.190.000-51106.105
8 Wastewater Employees	\$ 5,087.30	Employee Time Buy Back PR Post Bi-Weekly 220193	721.190.000-52115
9 Lincoln National Life Insurance Co	\$ 234.43	Group Life Insurance - February 2019	721.190.000-52204
10 Internal Revenue Service	\$ 1,022.11	Medicare - FEDERAL - Federal Taxes*	721.190.000-52212
11 Avon Boot Shop Inc.	\$ 109.99	Employee Clothing 1/31/19 - RKM	721.190.000-52226
12 Timothy Dillon	\$ 10.00	1 Employee Meal Allowance 1/25/19 - RKM	721.190.000-52227
13 William H Fischer	\$ 10.00	1 Employee Meal Allowance 1/25/19 - RKM	721.190.000-52227
14 Mercy Occupational Health	\$ 25.00	DOT Quarterly Fee 2/1/19 - TAD	721.190.000-53206
15 FriendsOffice	\$ 314.31	Office Supplies - January 2019 - RKM	721.190.000-53602
16 Neofunds by Neopost	\$ 534.44	Postage and Supplies 01/15/19 - RKM	721.190.000-53602
17 Link Computer Corporation	\$ 687.18	Muni-Link Billing - February 2019 - RKM	721.190.000-53602
18 SmartBill Inc	\$ 164.45	Service Fee/Postage for Water Bills - 1/31/19 - RKM	721.190.000-53602
19 Derek's Office Products	\$ 44.50	Typewriter Maintenance Agreement 2019 - TAD	721.190.000-53602
20 Fuelman	\$ 492.33	Fuel for Vehicles 2/11/19 - RK	721.190.000-53604
21 Polydyne, Inc	\$ 2,570.94	Operating Supplies - Polymer 1/25/19 - SB	721.190.000-53611
22 Salt Connection Inc.	\$ 631.98	Ice Melt 1/14/19 - RK	721.190.000-53612
23 Swift First Aid Corp	\$ 31.41	Service First Aid Cabinets @ WPCC 1/28/19 - SB	721.190.000-53612.001
24 Titan Supply Company	\$ 139.00	Maintenance Supplies 1/30/19 - RK	721.190.000-53612.001
25 United Laboratories Inc.	\$ 2,273.33	Maintenance Supplies 1/21/19 - SB	721.190.000-53612.001
26 GovConnection Inc	\$ 922.57	Maintenance Supplies 1/21/19 - RKM	721.190.000-53612.001
27 E&H Hardware Group, LLC	\$ 297.21	Maintenance Supplies - January 2019 - RKM	721.190.000-53612.001
28 Leppo Inc.	\$ 1,432.18	Maintenance Supplies 1/29/19 - SB	721.190.000-53612.001
29 Aztec Steel Corporation	\$ 475.00	Maintenance Supplies 1/29/19 - SB	721.190.000-53612.001
30 Grainger	\$ 262.46	Maintenance Supplies 2/5/19 - RK	721.190.000-53612.001
31 Trico Oxygen Company Inc.	\$ 43.60	Maintenance Gases 1/31/19 - RK	721.190.000-53612.001
32 ABC Equipment Rental & Sales Corp	\$ 65.64	Maintenance Supplies 2/7/19 - RK	721.190.000-53612.001
33 ABC Equipment Rental & Sales Corp	\$ 54.00	Maintenance Supplies 2/8/19 - RK	721.190.000-53612.001
34 Bay Mechanical & Electrical Corp.	\$ 168.00	Repair @ WPCC 1/24/19 - SB	721.190.000-53612.002
35 U.S. Bank Equipment Finance Inc	\$ 25.84	Lease Payment on 2 Ricoh Copiers 1/14/19 - RKM	721.190.000-53701.001
36 Brakey Energy, Inc.	\$ 925.00	Monthly Fee for Energy Management Services 1/30/19 - TAD	721.190.000-53701.002
37 Cuyahoga Community College	\$ 2,845.00	Training/Implementation Svc - Phase II - TAD	721.190.000-53701.002
38 Great Lakes Pipeline Services Inc.	\$ 8,000.00	CCTV Sewer Lateral Connections 1/24/19 - JG	721.190.000-53701.002
39 Hach Company	\$ 1,740.95	WIMS Services 1/23/19 - RKM	721.190.000-53701.002
40 Great Lakes Pipeline Services Inc.	\$ 15,400.00	CCTV Sewer Lateral Inspections @ Lear 1/30/19 - JG	721.190.000-53701.002
41 Technology Management Solutions Inc	\$ 1,854.37	Computer Support 2/6/19 - RKM	721.190.000-53701.002
42 Technology Management Solutions Inc	\$ 828.18	Microsoft Product & Kaspersky Renewals 2019 - RKM	721.190.000-53701.002
43 Technology Management Solutions Inc	\$ 1,350.00	Computer Support & Offsite Back Up 2/3/19 - RKM	721.190.000-53701.002
44 Columbia Gas	\$ 30.12	gas svc @ 641 Lear Rd PS 1/7/19-2/5/19 - RK	721.190.000-53702.002
45 Columbia Gas	\$ 31.89	gas svc @ 100 Woodbridge Way 1/2/19-1/31/19 - RK	721.190.000-53702.003
46 Columbia Gas	\$ 32.49	gas svc @ 671 Bridgeside 1/2/19-1/31/19 - RK	721.190.000-53702.003
47 Verizon Wireless	\$ 488.17	Cell Phone Service 12/26/18-1/25/19 - RKM	721.190.000-53705
48 Spectrum Business	\$ 261.62	Internet/Phone Svc @ WPCC 1/23/19 - SB	721.190.000-53705
49 Napa Avon	\$ 1,064.20	Misc Truck Parts & Tools - Jan 2019 - RK	721.190.000-53707
50 Speed Exterminating Co. Inc.	\$ 30.00	Exterminating Svc @ 201 Miller Rd - RKM	721.190.000-53708
51 Complete Concrete	\$ 85.00	Snow Plowing @ 201 Miller Rd - January 2019 - RK	721.190.000-53708
52 Steve Baytos	\$ 45.00	NESOWEA Membership Reimbursement 1/28/19 - RKM	721.190.000-53901
53 Steve Baytos	\$ 493.63	Reimbursement for Mileage 1/31/19 - RKM	721.190.000-53901
54 Kenneth Dennis	\$ 2.98	Refund overpayment 2/6/19 - TAD	721.190.000-53901

55 McMahan DeGulis LLP

\$ 240.00 Legal Fees - Re: Long Term Control Plan 12/31/18 - TAD

721.190.000-53907.002

56 McMahan DeGulis LLP

\$ 1,536.00 Legal Fees - Re: Long Term Control Plan 12/31/18 - TAD

721.190.000-53907.002

\$ 122,852.78

**AVON LAKE REGIONAL WATER
FUND 703 MOR ETL1 EXPENSES
FEBRUARY 19, 2019**

	Vendor	Amount	Description	Account #
1	Data Command Corp	\$ 1,616.40	Annual Subscription Renewal for Pump Stations 2019 - GY	703.180.000-53701
2	Avon Lake Regional Water	\$ 1,574.85	Operator Charges ETL 1 - January 2019 - RKM	703.180.000-53701.002
3	Illuminating Company	\$ 135.19	Electric Service-Variou locations - RKM	703.180.000-53703.004
4	Ohio Edison	\$ 58.77	elec svc @ Lear @ Mills 1/9/19 - 2/7/19 - RKM	703.180.000-53703.004
5	Ohio Edison	\$ 59.97	elec svc @ Lear @ US20 1/8/19-2/6/19 - RKM	703.180.000-53703.004
6	Ohio Edison	\$ 73.02	elec svc @ Lear @ Chstn 1/5/19 - 2/6/19 - RKM	703.180.000-53703.004
7	Ohio Edison	\$ 63.16	elec svc @ Root Rd @ Sprag 1/4/19-2/5/19 - RKM	703.180.000-53703.004
8	Ohio Edison	\$ 61.83	elec svc @ Butternut @ Root 1/5/19-2/5/19 - RKM	703.180.000-53703.004
9	Avon Lake Regional Water	\$ 200,268.73	Water Used from ETL1 January 2019 - RKM	703.180.000-53704
		<u>\$ 203,911.92</u>		

AVON LAKE REGIONAL WATER
 FUND 762 MOR ETL2 EXPENSES
 FEBRUARY 19, 2019

	Vendor	Amount	Description	Account #
1	Core & Main LP	\$ 8,530.00	ETL2 Repair Parts 1/30/19 - RK	762.180.000-53612.002
2	Data Command Corp	\$ 838.80	Annual Subscription Renewal for Pump Stations 2019 - GY	762.180.000-53701
3	Avon Lake Regional Water	\$ 40,030.21	Operator Charges ETL 2 - January 2019 - RKM	762.180.000-53701.002
4	Ohio Edison	\$ 37.03	elec svc @ 15201 Island Rd OAL 2/1/19 - RKM	762.180.000-53703.003
5	Ohio Edison	\$ 5,056.01	elec svc @ 15201 Island Rd 1/3/19 - 2/1/19 - RKM	762.180.000-53703.003
6	Ohio Edison	\$ 54.76	elec svc @ 36550 Chestnut Ridge 1/5/19-2/5/19 - RKM	762.180.000-53703.004
7	Ohio Edison	\$ 85.98	elec svc @ 37980 Barres Rd 1/8/19 - 2/7/19 - RKM	762.180.000-53703.004
8	Ohio Edison	\$ 90.15	elec svc @ 37780 Center Ridge 1/5/19-2/5/19 - RKM	762.180.000-53703.004
9	Avon Lake Regional Water	\$ 275,480.88	Water Used from ETL2 January 2019 - RKM	762.180.000-53704
		\$ 330,203.82		

AVON LAKE REGIONAL WATER
 FUND 749 LORCO EXPENSES
 FEBRUARY 19, 2019

	Vendor	Amount	Description	Account #
1	W.W. Williams	\$ 528.00	Generator Maintenance @ LORCO 2/1/19 - RKM	749.190.000-53607
2	W.W. Williams	\$ 80.00	Generator Maintenance @ LORCO 1/31/19 - RKM	749.190.000-53607
3	Eaton Tru Value	\$ 58.71	Maintenance Supplies 1/8/19 - RK	749.190.000-53612.004
4	Ohio Edison	\$ 1,146.63	elec svc @ 38393 Royalton Rd 1/1/19-2/2/19 - RKM	749.190.000-53703.001
5	Ohio Edison	\$ 482.72	elec svc @ 9845 Avon Belden 1/4/19-2/5/19 - RKM	749.190.000-53703.001
6	Ohio Edison	\$ 62.96	elec svc @ 36780 Giles Rd 1/3/19-2/1/19 - RKM	749.190.000-53703.003
7	Lorain Medina Rural Electric Corp	\$ 106.76	elec svc @ Banks Rd 12/23/18-1/23/19 - RKM	749.190.000-53703.003
8	Lorain Medina Rural Electric Corp	\$ 105.49	elec svc @ Slife Rd 12/23/18-1/23/19 - RKM	749.190.000-53703.003
9	Lorain Medina Rural Electric Corp	\$ 163.66	elec svc @ Indian Hollow 12/23/18-1/23/19 - RKM	749.190.000-53703.003
10	Lorain Medina Rural Electric Corp	\$ 128.53	elec svc @ Capel 12/23/18-1/23/19 - RKM	749.190.000-53703.003
11	Lorain Medina Rural Electric Corp	\$ 58.18	elec svc @ Durkee S 12/23/18-1/23/19 - RKM	749.190.000-53703.003
12	Lorain Medina Rural Electric Corp	\$ 181.46	elec svc @ Durkee N 12/23/18-1/23/19 - RKM	749.190.000-53703.003
13	Lorain Medina Rural Electric Corp	\$ 102.00	elec svc @ Cowley 12/23/18-1/23/19 - RKM	749.190.000-53703.003
14	Ohio Edison	\$ 56.67	elec svc @ 10920 Hawke 1/5/19-2/5/19 - RKM	749.190.000-53703.003
15	Ohio Edison	\$ 61.29	elec svc @ 12901 Avon Belden 1/4/19-2/4/19 - RKM	749.190.000-53703.003
16	Ohio Edison	\$ 59.21	elec svc @ 12169 Avon Belden 1/4/19-2/4/19 - RKM	749.190.000-53703.003
17	Ohio Edison	\$ 106.21	elec svc @ 33930 Cooley Rd 1/4/19-2/4/19 - RKM	749.190.000-53703.003
18	Ohio Edison	\$ 64.50	elec svc @ 10301 Reed Rd 1/5/19-2/5/19 - RKM	749.190.000-53703.003
19	Frontier Communications	\$ 54.78	Telephone Svc @ Fourplex 1/25/19 - RKM	749.190.000-53705
20	Link Computer Corporation	\$ 305.42	Muni-Link Billing - February 2019 - RKM	749.190.000-53760
21	RLCWA	\$ 1,244.00	LORCO Meter Readings - January 2019 - RKM	749.190.000-53760
22	SmartBill Inc	\$ 603.28	LORCO Bills - Print/Mail - January 2019 - RKM	749.190.000-53760
23	LORCO	\$ 1,690.42	Reimburse LORCO 2 Payments - January 2019 - RKM	749.190.000-53901
24	LORCO	\$ 8,500.00	LORCO Monthly Advance - Feb. 2019 - RKM	749.190.000-59500
		<u>\$ 15,950.88</u>		

**AVON LAKE REGIONAL WATER
FUND 765 LATERAL LOAN EXPENSES
FEBRUARY 19, 2019**

	Vendor	Amount	Description	Account #
1	Fund 721 - Wastewater	\$ 4,000.00	Reimbursement for Lateral Loan Paid from Wastewater Fund (721) in Error (203 Vinewood) - RKM	765.190.000-53701
2	Concrete & More, Inc.	\$ 4,000.00	Lateral Loan Program - 32029 Grove - RKM	765.190.000-53701
3	Concrete & More, Inc.	\$ 3,800.00	Lateral Loan Program - 189 Fay - RKM	765.190.000-53701
4	Concrete & More, Inc.	\$ 4,000.00	Lateral Loan Program - 223 Belmar - RKM	765.190.000-53701
5	Concrete & More, Inc.	\$ 2,500.00	Lateral Loan Program - 153 Inwood - RKM	765.190.000-53701
6	Concrete & More, Inc.	\$ 2,000.00	Lateral Loan Program - 33033 Redwood - RKM	765.190.000-53701
7	Concrete & More, Inc.	\$ 3,000.00	Lateral Loan Program - 250 Moore - RKM	765.190.000-53701
8	Concrete & More, Inc.	\$ 3,300.00	Lateral Loan Program - 127 Oakwood - RKM	765.190.000-53701
9	Concrete & More, Inc.	\$ 3,500.00	Lateral loan Program - 172 Parkwood - RKM	765.190.000-53701
10	Concrete & More, Inc.	\$ 3,900.00	Lateral Loan Program - 134 Vanda - RKM	765.190.000-53701
11	Concrete & More, Inc.	\$ 4,000.00	Lateral Loan Program - 220 Brookfield - RKM	765.190.000-53701
12	Killeen Plumbing Co.	\$ 4,000.00	Lateral Loan Program - 32355 Lake - RKM	765.190.000-53701
13	KMU Residential Inc.	\$ 3,950.00	Lateral Loan Program - 187 Sunset - RKM	765.190.000-53701
14	Concrete & More, Inc.	\$ 2,000.00	Lateral Loan Program - 166 Norman - RKM	765.190.000-53701
		<u>\$ 47,950.00</u>		

AVON LAKE REGIONAL WATER
FUND 704 WATER CONSTRUCTION EXPENSES

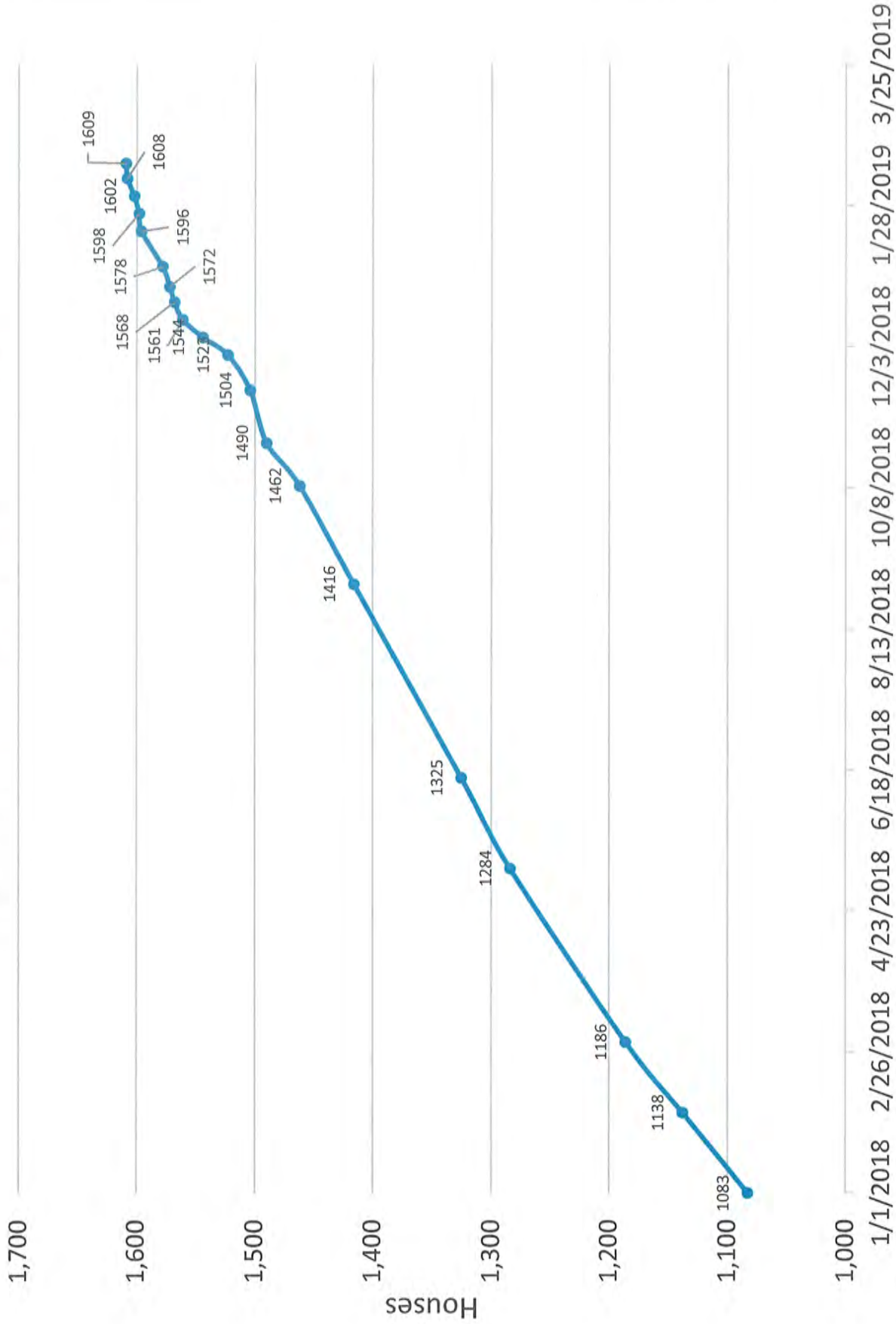
FEBRUARY 19, 2019

Vendor	Amount	Description	Account #
1 Underground Utilities, Inc.	\$ 10,370.16	OWDA Loan #8165 - Payment 5 - Curtis - RKM	704.180.000-55007
2 Engineered Fluid, Inc.	\$ 534,021.83	OWDA Loan #8047 - Payment 3 - Elyria Interconnect - RKM	704.180.000-55007
	<u>\$ 544,391.99</u>		

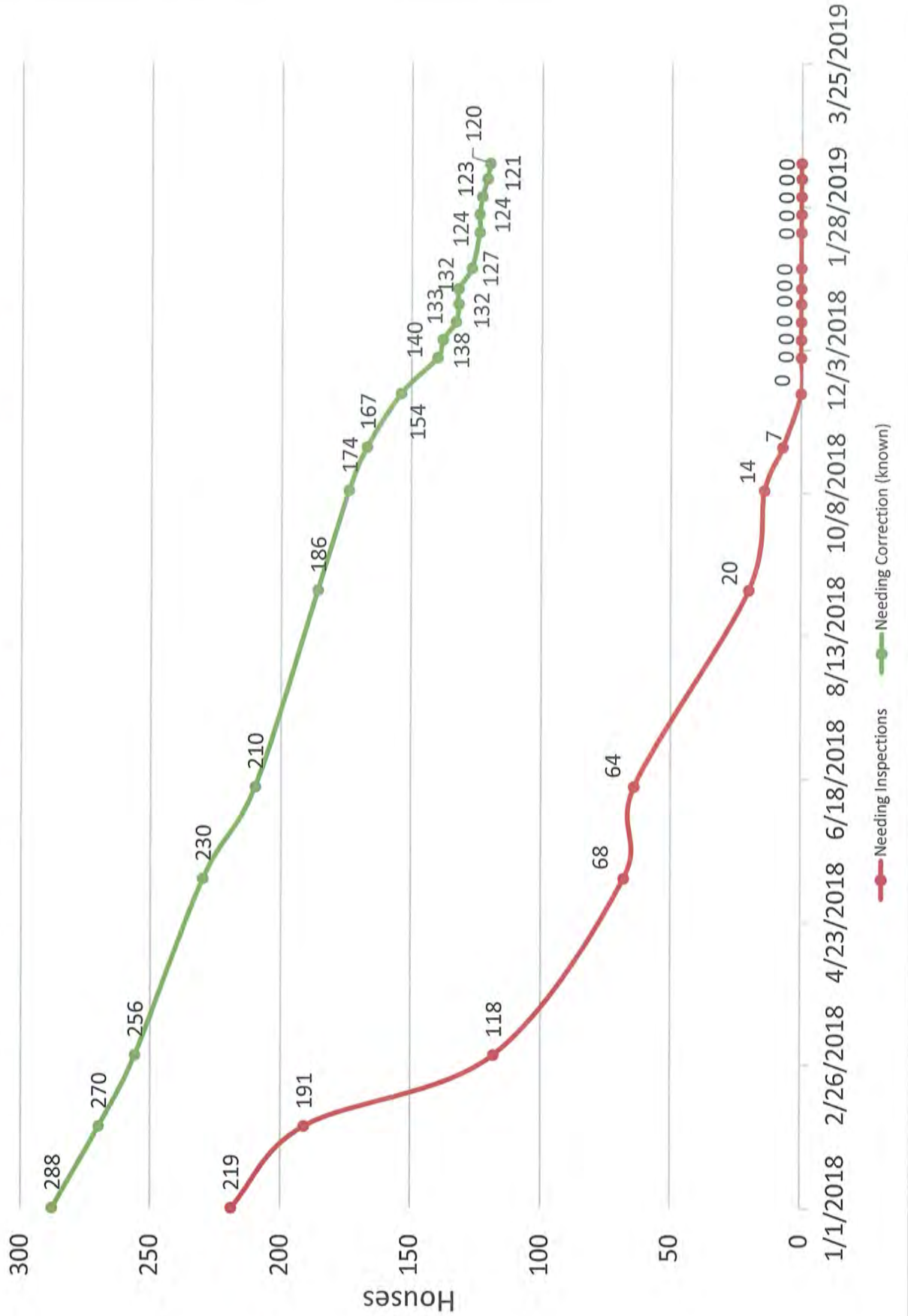
AVON LAKE REGIONAL WATER
FUND 724 WASTEWATER CONSTRUCTION EXPENSES
FEBRUARY 19, 2019

Vendor	Amount	Description	Account #
1 Underground Utilities Inc	\$ 224,852.45	OWDA Loan #7837 - Payment 15 - Stop 45 - RKM	724.190.000-55006
2 Underground Utilities Inc	\$ 49,470.20	OWDA Loan #8165 - Payment 5 - Curtis - RKM	724.190.000-55006
	<u>\$ 274,322.65</u>		

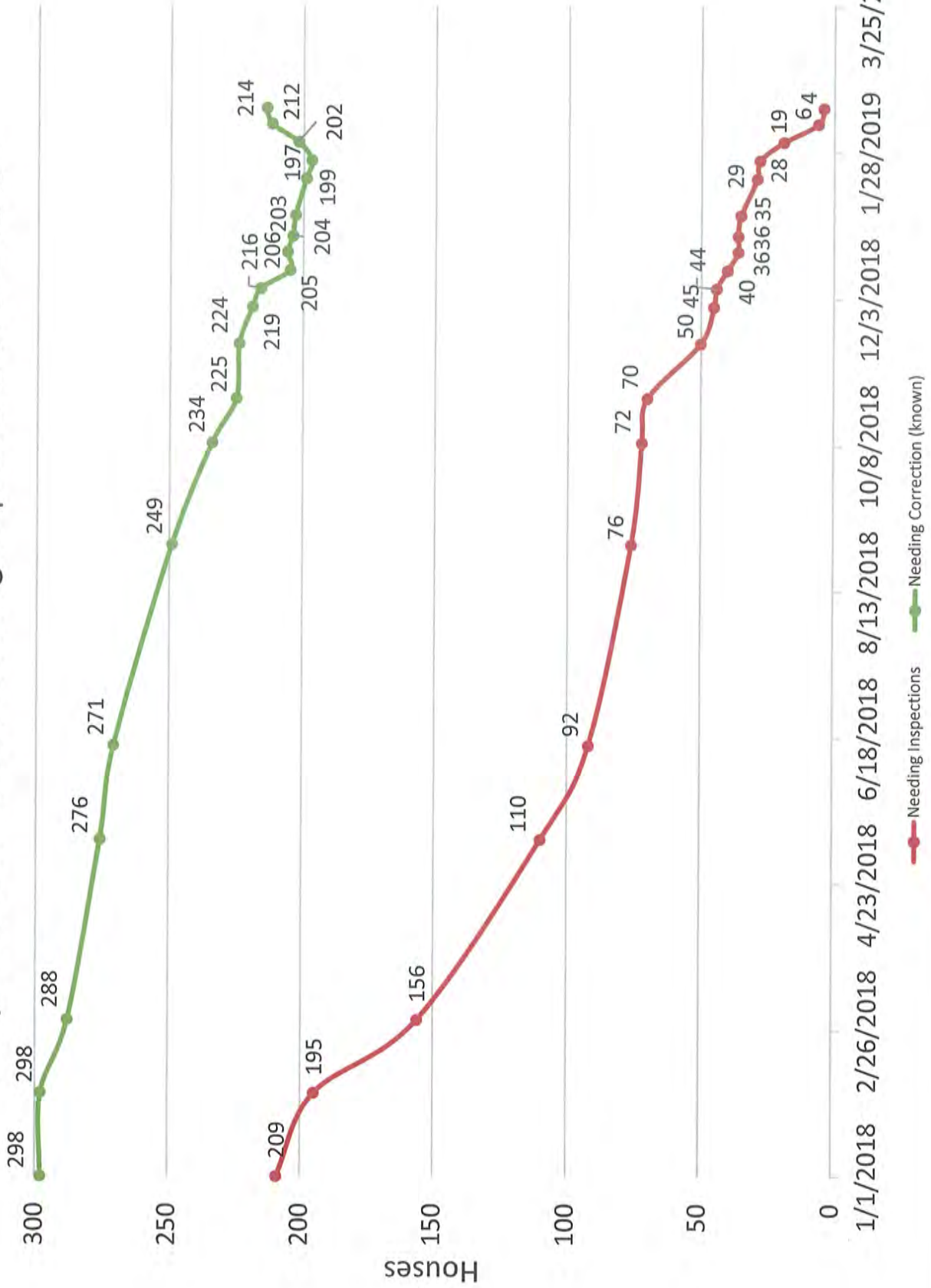
Total Houses Completed Work to Comply



Group A Houses Still Needing Inspections or Correction



Group B&C Houses Still Needing Inspections or Correction



45's Construction Progress

Part	Paid To Date	% Complete
A-Water	\$ 2,970,563.86	85.78%
B-Sanitary	\$ 4,302,297.16	84.94%
C-Storm	\$ 3,844,315.70	83.46%
D-Road	\$ 1,749,884.82	50.75%
Total	\$ 12,867,061.54	77.59%

ACTION ITEMS FROM BOARD MEETINGS

DATE	CATEGORY*	TOPIC	SOLUTION	STATUS
6/5/2018	Misc.	Members asked what majority is needed to rescind legislation.		Open
2/5/2019	Financial	Is there historical preservation money available for the old water plant building	The CUE is investigating whether this may be a possibility.	Open
2/5/2019	Misc.	Cleaning of existing plaques	The CUE will follow up to learn more about options available.	Open
2/5/2019	Financial	What is the meaning of IRS expense - taxes?	The City's share of OPERS is 14% of gross wages. Their share of Medicare is 1.45% of gross wages.	Answer
2/5/2019	Financial	Why so many refunds?	Refunds often happen when an owner moves out and both the previous owner and the new owner pay the final bill (to avoid shutoff). Refunds are then issued to the new owner.	Answer
2/5/2019	Misc.	Farming of Algae for biofuels and other possibilities	The CUE will consider this as a future opportunity.	Answer
2/5/2019	Misc.	Present pros and cons of smart meters	This will be done at the 2/19/19 work session.	Answer
2/5/2019	Lateral	Completion percentage of 45's	This will be done at the 2/19/19 meeting.	Answer
1/15/2019	Misc.	Colored Lights for Water Tower	CUE has received all costs associated with lighting the new water tower in white lights. Installation will move forward with staff installing concrete footers and ordering of material.	Answer
1/15/2019	Misc.	Readerboard sign for Lake Road	Zoning has classified Water Plant as institutional and we are required to follow the permitted use of "Public Utility Transmission & Distribution Stations" Sections 1212.03 & 1262.02 of the Zoning regulations.	Answer
1/2/2019	Misc.	Issue checks to Board for Ohio Ethics Commission.	Processing the Chairman's repayment and will process others as submitted.	Answer
1/2/2019	Financial	Verify the tap-in fee for LORCO is deposited to the disbursement account.	Tap fees and assessments are deposited into the same account from which loan payments and other payments are made.	Answer
1/2/2019	Financial	Review the fees v. costs for LORCO.	CUE spoke with LORCO Exec Dir, who is proposing changes to the Hawke Rd agreement with Lorain County.	Answer
1/2/2019	Personnel	Introduce Dennis Collins to Dr. Miles.	Will do so when Mr. Miles is next in town.	Answered
1/2/2019	Lateral	Video of loan process.	Outreach Specialist is working with Chairman.	Answered

*Categories: Financial, Lateral Project, Personnel, Education/CI, Strat. Plan or Misc.

TO: FELLOW BOARD MEMBERS/CUE & CUO
FROM: TONY ABRAM
SUBJECT: F. Y. I. City of Avon
DATE: 1-30-19

Avon, Ohio ✓

The City of Avon, Ohio, situated near Lake Erie, serves approximately 10,500 residential and 1,000 commercial accounts. With a history of obsolete accounting records and older meter reading technologies (AMR), the city's water system was not keeping pace with its changing needs.

In February 2016, the City of Avon's water utility team began putting together a request for proposal (RFP) for a fixed network meter reading solution. At this time, Badger Meter's BEACON AMA managed solution, which combines the BEACON AMA software suite with ORION Cellular endpoint technology, was mainstreaming in the market. As the industry's first endpoint using existing cellular networks, ORION Cellular eliminates the need for utility-owned fixed network infrastructure. Seeing the potential of this market-disrupting technology, the City of Avon

switched gears and issued an updated RFP for a hybrid meter reading solution, one that included both traditional fixed network technology and cellular technology.

The City of Avon's utility team selected Badger Meter's BEACON Advanced Metering Analytics (AMA) managed solution with ORION Cellular endpoints and Badger Meter's E-Series Ultrasonic meters. BEACON AMA is a cloud-based software analytics platform, which allowed Avon to utilize both the new ORION Cellular endpoints as well as Badger Meter's traditional fixed network technologies.

"With BEACON AMA, we were able to move to 24-hour meter reads across our entire system. We are now monitoring more precisely, and more importantly, billing our customers more consistently, using actual meter reads rather than estimates," says Natalie Cifranic, billing clerk for the City of Avon.

Avon's old meter reading solution required utility technicians to spend more than 160 hours (or two weeks) every month monitoring the water meter reading system, manually reading meters and acting on the data. By implementing the BEACON AMA managed solution, Avon cut that time down nearly 88 percent to about 20 hours (or one day) per month.

As part of the BEACON AMA solution, water utilities can offer customers access to EyeOnWater, Badger Meter's smartphone and web-based application that provides timely and accurate data about their water usage. As the City of Avon water utility team monitors for leaks throughout its system, its water customers can also monitor for unexplained increases in their usage and notify the utility. The utility currently has about 1,500 people signed up for EyeOnWater, and customers are actively engaging with their consumption patterns and notifying the utility about concerns. The EyeOnWater application has also helped the utility customer service team reduce time spent handling billing disputes.

6/18

"Water Finance & Mgt."