



# **2023 Annual Report of Operations**

Prepared for:

City of Huber Heights, OH  
Division of Water and Wastewater  
February 20, 2024



February 20, 2024

Russ Bergman, P.E., City Engineer  
City of Huber Heights  
6131 Taylorsville Road  
Huber Heights, OH 45424

RE: VEOLIA 2023 Annual Report

Dear Mr. Bergman:

VEOLIA is pleased to submit the 2023 Annual Report of Operations and Maintenance for the City of Huber Heights Division of Water and Wastewater.

It was a busy and challenging year which included:

- This year the water department underwent the Tri Annual EPA Sanitary Survey (Inspection of the system) We are happy to report there were no violations.
- Additional PFAS testing was performed as a part of the Unregulated Contaminant Monitoring Rule, round 5 (UCMR5) with acceptable results.
- We continued to work toward the City's goal of redundancy at the plant by purchasing back up pumps and motors for certain equipment.
- Communications issues caused much unexpected overtime during Ransomware issue.
- Hydraulic Modeling Project completed.
- We continued to struggle with getting water meters in a timely manner.
- As expected, electric costs increased significantly when contracts were renewed for 2023.
- Workforce continued to be challenging for not only Veolia but in the water industry in general.

Despite these, as well as other things not mentioned here, the year was overall a success!

As always if you have any questions or concerns do not hesitate to contact us any time.

Respectfully,  
Pam Whited

Project Manager, VEOLIA

cc:	Richard Dzik, City Manager	Bryan Chodkowski, Assistant City Manager
	Jeff Gore, Mayor	Jim Bell, Finance Director
	Russ Bergman, City Engineer	City of Huber Heights Council
	Citizens Water and Sewer Advisory Board	

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## 2023 OPERATIONS & MAINTENANCE HIGHLIGHTS BY BUSINESS AREA

The year end 2023 Operations and Maintenance statistics for the water and wastewater utilities are included in the following pages and are followed by highlights for each of these business areas:

- A. General Summary
- B. Performance Indicators and Tracking Report
- C. Customer Service
- D. Water Treatment
- E. Water Distribution
- F. Wastewater Collection

### A. General Summary

VEOLIA is pleased to continue to partner with the City of Huber Heights to operate and maintain the existing water system/water department. VEOLIA and the local staff will continue to work diligently to provide the best possible services to the community.

#### Commitment to the Community

- Members of the American Water Works Association and continue to serve on committees with this professional water organization.
- Member of Huber Heights Rotary Club.
- Members of the Huber Heights Chamber of Commerce

### Donations & Sponsorships

In 2023 VEOLIA continued to sponsor:

- Huber Heights YMCA Annual Campaign/summer camp program.

Members of our staff donated personal time or assisted financially in:

- Fourth of July Parade (Cancelled)
- Huber Heights Rotary Fish Fry
- Pink Ribbon Girls (Local Cancer Support Organization)
- United Rehabilitation Services, Huber Heights Branch



**Prepping for Parade before the rains came!**

### Safety

Safety is always a priority among the Huber Heights staff. A member of our C & D team is assigned to serve as our local Safety Coordinator to ensure all safety training is arranged and completed in all departments. In 2023:

- Veolia introduced the 12 Life Saving Rules while working.
- Installed additional lighting at the water plant for added safety.

## Highlights

- **Water Main Breaks** – In 2023, the number of main breaks decreased by 58%
- **Valve exercising equipment** allowed us to increase the quality and quantity of valves inspected.
- **Acoustic sewer line inspection** continues to be a useful tool to reduce the need for cleaning sewers still in good condition.
- **Staffing** – All positions filled as of December 2023.

## General Details

Performance Statistics	2019	2020	2021	2022	2023
Number of customers (Active)	15,990	16,264	17,124	17,328	17437
Average production (MGD)	3.75	3.95	3.9	3.95	3.87
Water service outage hours	77.5	305	207	122	52
Water main in service (mi)	200.4	201.98	206.13	210.2	215.64
Sewer main in service (mi)	172.36	173.07	176.45	179.47	182.81
Ohio Utility Protection Services requests (Main line locates)	4,202	4,373	15,424	9,443	6462
# of Water Valves Exercised	73	193	240	1,683	925
Number of Main Breaks	75	157	122	86	36

Performance Statistics	2019	2020	2021	2022	2023
Number of Sewer Stoppages	13	20	41	16	39
Acoustic Sewer Line Inspection (ft.)	--	--	375,241	173,884	179,695
Sanitary Sewer Line Cleaned (ft.)	165,081	16,307	36,862	33,394	25,502
Number of Employees	17	18	20	21	22
Safety Classes	9	18	31	49	50

Training/Seminars	33	75	65	60	32
Performance Statistics	2019	2020	2021	2022	2023
At Fault Property Damage Incidents	0	0	0	0	0
No Fault Property Damage Incidents	0	1	1	2	0
Injury to public	0	0	0	0	0

## B. Performance Indicators and Tracking Reports 2023

Items listed in light blue are last year's totals used as estimates and/or for comparison.

Services Performed	2023	2023	2023
Sanitary Sewer	Planned/ Estimated	Totals	YTD %
PM Tasks completed including Lift Stations	6,496	6,032	
Pumps repaired	3	0	
Feet of sewer cleaned	33,394	25,502	
Feet of sewer Acoustic Inspection –1/5th of the system	182,766	179,695	98%
Sewer stoppages cleared	16	39	
Feet of sewer televised (as reported by Tri Cities)	44,641	Not yet available	
Wet wells cleanings	36	14	
Water Distribution			
Meters installed – new construction	300	120	
Fire hydrants repaired	17	13	
Fire hydrants painted	300	407	100%
Fire hydrants flushed	Partial System Flush	1578	

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Services Performed	Planned/ Estimated	2023	2023
Water main breaks repaired	86	36	
Pressure regulators repaired	0	0	
Main valve repairs	0	1	
Service lines/angle valves repaired	17	4	
Total Valves Exercised	943	925	98%
Valves Exercised w/ Valve Equipment		860	
Valves Exercised manually		55	
Critical Valves Exercised		10	
<b>Water Production</b>			
RRR production well inspections	1959	1,963	
RRR well level inspections	48	65	
RRR samples analyzed	10,649	12,904	
RRR water pumped and treated (MG)	1,440,570	1,412,632	
RRR wells flow testing	3	7	
RRR wells/pumps cleaned/rebuilt	2	3	
<b>Customer Service</b>			
OUPS requests (line locates)	9,443	6,462	
Customer service requests processed	8,380	7,579	
*Meter readings	200,291	173,125	

\*Meter readings less due to inability to read meters in November & December

## C. Customer Service

### ***Highlights***



**Distributed Annual Water Quality Report to citizens of Huber Heights in accordance with OEPA regulations.**



**Paperless Statements Option:** 2,733 customers now registered with First Billing and receiving statement notifications via email.



**Text & Pay:** 260 customers registered.  
**Auto-pay:** 163 customers registered.



Sold over **995,000,000** gallons of water



Collected over to **\$12M** in revenue for the city (Includes storm water revenues)



**40,928** visitors in office



**20,516** telephone assisted



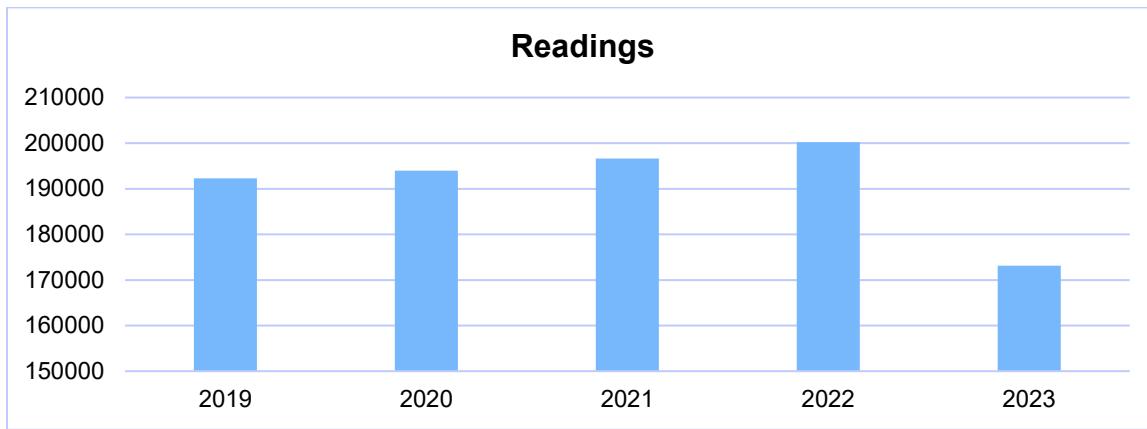
Customer Care  
**61,444** customer interactions



Processed **69,160** online payments

### ***Service Technicians:***





### **Customer Service Details**

Performance Statistics	2019	2020	2021	2022	2023
<b>Number of service calls</b>	<b>9,457</b>	<b>8,066</b>	<b>8,839</b>	<b>8,380</b>	<b>7579</b>
<b>Total Customers Interactions</b>	<b>87,407</b>	<b>59,683</b>	<b>60,076</b>	<b>57,836</b>	<b>61,444</b>
<b>Phone Calls</b>	<b>24,817</b>	<b>23,170</b>	<b>20,471</b>	<b>20,517</b>	<b>20,516</b>
<b>Office visits</b>	<b>62,590</b>	<b>36,513</b>	<b>39,605</b>	<b>37,279</b>	<b>40,928</b>
<b>New service address</b>	<b>209</b>	<b>187</b>	<b>237</b>	<b>249</b>	<b>120</b>
<b>Meters read and turned on (existing property activity)</b>	<b>384</b>	<b>290</b>	<b>243</b>	<b>262</b>	<b>285</b>
<b>Final read</b>	<b>2,526</b>	<b>2,307</b>	<b>2,196</b>	<b>2,294</b>	<b>1935</b>
<b>Turn off</b>	<b>287</b>	<b>180</b>	<b>157</b>	<b>189</b>	<b>187</b>
<b>Turn off – Non-Pay</b>	<b>1,120</b>	<b>812</b>	<b>1,026</b>	<b>982</b>	<b>1,049</b>
<b>Other</b>	<b>1,927</b>	<b>1,662</b>	<b>1,607</b>	<b>1,717</b>	<b>1,669</b>
<b>Customer complaints</b>	<b>269</b>	<b>343</b>	<b>495</b>	<b>469</b>	<b>406</b>
<b>Bills sent</b>	<b>197,188</b>	<b>198,717</b>	<b>200,642</b>	<b>203,923</b>	<b>205,585</b>
<b>Total sales (MG)</b>	<b>987</b>	<b>977</b>	<b>950</b>	<b>983</b>	<b>995</b>
<b>Revenue collected</b>	<b>\$9,995,958</b>	<b>\$10,807,817</b>	<b>\$10,933,928</b>	<b>\$11,182,871</b>	<b>\$12,054,044</b>
<b>Water</b>	<b>\$5,504,324</b>	<b>\$6,283,546</b>	<b>\$6,445,558</b>	<b>\$6,883,815</b>	<b>\$7,565,575</b>
<b>Sewer</b>	<b>\$3,914,657</b>	<b>\$3,947,345</b>	<b>\$3,904,884</b>	<b>\$3,716,755</b>	<b>\$3,525,927</b>
<b>Storm water</b>	<b>\$576,977</b>	<b>\$576,926</b>	<b>\$583,846</b>	<b>\$582,301</b>	<b>\$962,542</b>
<b>Assessment Notices Total</b>	<b>1,731</b>	<b>1,567</b>	<b>1,700</b>	<b>1,997</b>	<b>1,663</b>
<b>First notice to assess</b>	<b>1,151</b>	<b>1,062</b>	<b>1,202</b>	<b>1,434</b>	<b>1,341</b>
<b>Second notice to assess</b>	<b>318</b>	<b>275</b>	<b>267</b>	<b>303</b>	<b>173</b>

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<b>Sent to Finance for Assessment</b>	<b>262</b>	<b>230</b>	<b>231</b>	<b>260</b>	<b>149</b>
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<b>Readings</b>	<b>192,255</b>	<b>193,967</b>	<b>196,639</b>	<b>200,211</b>	<b>173,125</b>
<b>Total Meters Changes</b>	<b>555</b>	<b>604</b>	<b>995</b>	<b>548</b>	<b>548</b>
<b>Meter registers 5/8"</b>	<b>94</b>	<b>140</b>	<b>254</b>	<b>149</b>	<b>154</b>
<b>Meter body 5/8"</b>	<b>238</b>	<b>152</b>	<b>203</b>	<b>88</b>	<b>33</b>
<b>Whole meters 5/8"</b>	<b>209</b>	<b>312</b>	<b>538</b>	<b>310</b>	<b>132</b>
<b>Whole meters 1" or bigger</b>	<b>11</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>
<b>Meter registers 1" or bigger</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>
<b>Meter body 1" or bigger</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

**Largest Billed Users in 2023**

<b>Largest Billed Water Users for 1/1/2023 to 12/31/2023</b> <b>Combined - Water/Sewer/Storm water</b>			
<b>Name</b>	<b>Service Address</b>	<b>Total Usage*</b>	<b>Total Amount</b>
METROPOLITAN HOLDINGS LTD	2200 COOLEY LANE	11412	\$58,435.01
FLYING ACE EXPRESS	5570 MERILY WAY	7423	\$31,639.63
MEIJER INC. SITE #241A	7150 EXECUTIVE BLVD	6464	\$40,797.61
THE LAURELS OF HUBER HEIGHTS	5440 CHARLESGATE RD	4969	\$22,300.90
PENNSWOOD DR APARTMENTS LLC	Building #'s 5,11,12,13,14,15,16	4776	\$21,466.38
VINEBROOK HOMES	8031-8149 MT EVEREST- MT AETNA	4674	\$21,404.40
SPIN LIGHT CARWASH	6705 BRANDT PK	4472	\$22,753.32
AASHIRVAD LLC	5612 MERILY WAY	4398	\$22,258.75
TEXAS ROADHOUSE #15	5611 MERILY WAY	4008	\$18,675.56
VINEBROOK HOMES	8031-8149 MT EVEREST- MT	3785	\$17,996.36

\*Shown in 100 cu.ft.

## D. Water Treatment Plant/Water Quality

### ***Highlights***

- Ohio EPA Sanitary Survey conducted (Inspection).
- Plant produced 1,412,632 million gallons of water and conducted 6,316 water quality tests.
- Peak monthly production reached 93.6% of total capacity in June.
- Completed Lead and copper testing in accordance with the Corrosion study required by EPA. Both rounds of testing in 2023 there were within the proper parameters
- City began the new lead & copper inventory (a new EPA requirement due in October of 2024.)

### ***Major Maintenance***

- Well # 4 inspected/cleaned/pump & motor repairs
- Well # 2 Inspected/cleaned/ and motor repairs
- Well # 6 Stuffing box & bearing repair
- Backwash basin pump repairs Pumps 2 & 3
- Purchased back up Motor & Pump for Well # 6
- NF Skid # 1 Replaced membranes & the inlet flow meter
- NF Skid # 4 Replaced one stage of membranes
- Cleaned Skids frequently throughout the year
- Replaced Retaining Wall located at Main building.
- Bulk Day Tank Cleaning
- Replaced three 8" check valves
- Additional Valves added at each well
- Air relief replaced on pre filter vessels.
- Calibrated all process control instrumentation and sensors
- Generator maintenance inspection completed by vendor
- Placed two dehumidifiers in NF building to minimize corrosion issues inside the building

### ***Water Treatment Plant/Water Quality Details***

Performance Statistics	2019	2020	2021	2022	2023
Finished Water Production in MG	1,335,311	1,445,935	1,422,623	1,440,570	1,412,632
Needmore Road WTP*	3,556	2,810	0	0	0
Rip Rap Road WTP Production MG/D	1,331,755	1,443,125	1,422,623	1,440,570	1,412,632
Water Testing Analyses	5,961	6,209	6,316	10,818	12,904
Total coliform (includes new services)	675	901	1,000	686	730
Chlorine Residual	3,570	3,551	3,099	4,072	4,203
Iron & Manganese	855	908	887	1,273	1,382
Fluoride	819	806	726	801	802
Other	42	43	473	1,700	1,347
Preventive Maintenance Inspections Completed	15,219	14,590	9,268	10,170	10,266
Preventive Maintenance Tasks Completed	108	103	67	164	209
Buildings	5	3	3	57	66

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Performance Statistics	2019	2020	2021	2022	2023
Wells/pumps	5	12	6	17	16
Process equipment	43	52	58	72	93
High service pumps	34	20	4	12	1
Instrumentation\controls	21	16	5	6	27
Corrective Maintenance Tasks Completed	63	62	113	335	380
Buildings	12	9	10	46	77
Wells/pumps	3	10	6	63	64
Process equipment	37	32	58	138	148
High service pumps	0	1	4	20	12
Instrumentation\controls	11	10	38	68	79
Capital Improvements/Major Maintenance Completed	3	0	0	19	14
Capital Improvements / Major Maintenance Planned	3	0	0	11	13
After Hours Emergency Calls	17	12	72	48	71

## E. Water Distribution

### **Highlights:**

Water main breaks reduced by 58% in 2023. Boil Water Advisories continue to decline.

Reorganized work assignments in C & D:

Moving hydrant painting to Service technician duties.

Moving Water Storage Tank Inspections, Booster Pumps, and routine maintenance, to Water Plant personnel.

Reassigned one employee from C & D to Water Plant.

### **Major Maintenance:**

- City of Huber Heights continued its water line replacement program (see map on page 16 for location.)
- Fire Hydrants - Performed a partial system flush. 1578 flushed & inspected
- Installed 8" valve at Rt 4 near Fairborn Sewer Plant for main break repair
- Flushed & Inspected 1578 fire hydrants

### **Water Distribution Details**

Performance Statistics	2019	2020	2021	2022	2023
Preventive Maintenance Inspections Completed	2,344	3,479	3,472	3,224	3,286
Preventative Maintenance Tasks Completed					
Water line (hydrants) flushed/inspected	98	193	2,190	2,906	1578

Performance Statistics	2019	2020	2021	2022	2023
Valves operated during Water Main Breaks	73	193	240	355	55
Valves operated Electronically	--	--	--	1,683	860
Critical Valves Exercised	--	--	--	10	10
Hydrants painted	300	5	535	300	407
Booster stations	0	0	0	12	182*
Storage tanks	0	1	0	3	168*
Pressure regulator stations	0	0	0	0	14*
Valve Exercise Program Progress					
Valves found in need of repair	--	--	--	0	8
Valves repaired/replaced	--	--	--	1	4
Corrective Maintenance Tasks Completed					
Water lines – main breaks (total)	75	157	122	86	36
# of breaks requiring boil orders	30	119	82	47	23
Valves repaired/replaced/installed	1	3	0	0	4
Hydrants repaired/replaced/installed by VEOLIA	10	9	14	17	13
Meter pit / service line repairs	28	19	12	17	21
Boil water advisories delivered to homes/business	803	2,572	1,874	1,085	1,085
Booster stations	0	0	0	0	6*
Storage tanks	0	0	0	0	5*
Pressure regulator stations	0	0	0	0	0
New services installed	209	187	237	249	120
Capital Improvements Completed	1	1	0	0	1*
Capital Improvements Planned	0	1	0	1	1*
After Hours Emergency Calls	87	139	313	254	284

\* These numbers reflected incorrectly in the monthly report – corrected in this report.

## F. Wastewater Collection

### ***Highlights:***

Vaccon used to clean Sanitary Sewer has surpassed its life expectancy. City Budgeted to replace in 2024

The Acoustic Inspection Program - Only 15% of sewer lines that underwent an acoustic inspection required cleaning.

### ***Major Maintenance:***

- Inspected & repaired Carriage Trails Lift Station/Pump # 1.
- Completed rehabilitation of the Evergreen Woods Lift Station

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- Inspected and load bank tested portable generators and generators at Old Troy Pike and Shull Road Pump Stations.
- Responded to 3 Sanitary Sewer Overflow (SSO) events.

***Wastewater Collection Details***

Description	2019	2020	2021	2022	2023
Preventive Maintenance Inspections Completed	<b>6,828</b>	<b>5,782</b>	<b>6,496</b>	<b>6,032</b>	<b>6,032</b>
Sewer mains cleaned	<b>165,081</b>	<b>16,307</b>	<b>36,862</b>	<b>33,394</b>	<b>25,502</b>
Sewer mains televised by Tri Cities	<b>109,332</b>	<b>71,711</b>	<b>44,641</b>	<b>N/A</b>	<b>N/A</b>
Sewer Main inspected	--	--	<b>375,241</b>	<b>173,844</b>	<b>179,695</b>
Lift station cleanings	<b>19</b>	<b>5</b>	<b>32</b>	<b>41</b>	<b>14</b>
Lift stations (High Risk Areas) # of feet	<b>4,094</b>	<b>0</b>	<b>3,445</b>	<b>4,074</b>	<b>451</b>
Sewer mains – stoppages cleared	<b>13</b>	<b>20</b>	<b>41</b>	<b>16</b>	<b>39</b>
Sewer main – backups inside facilities	<b>3</b>	<b>4</b>	<b>7</b>	<b>1</b>	<b>1</b>
Force main repairs	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>
Sewer mains – excavate and repair	<b>3</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>
Lift stations (pulled/pump/control repairs)	<b>12</b>	<b>14</b>	<b>1</b>	<b>1</b>	<b>10</b>
New taps installed	<b>208</b>	<b>184</b>	<b>234</b>	<b>245</b>	<b>111</b>
Capital Improvements / Major Maintenance Completed	<b>1</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>1</b>
Capital Improvements / Major Maintenance Planned	<b>1</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>1</b>
After Hours Emergency Calls	<b>50</b>	<b>54</b>	<b>85</b>	<b>86</b>	<b>62</b>

## 2023 YEAR END EXPENSES

City of Huber Heights Veolia Water and Wastewater Annual Report on Operations for 2023 2023 Year End Financial Statistics			
Budget/Actual 2023			
	Budget	Actual	Variance
<b>REVENUE</b>			
Recognized Revenue	4,214,583.64	4,995,216.17	\$ 780,632.53
Additional Billing		204,861.45	\$ 204,861.45
Unbilled Revenue		\$ -	\$ -
<b>TOTAL REVENUE</b>	<b>\$ 4,214,583.64</b>	<b>\$ 5,200,077.62</b>	<b>\$ 985,493.98</b>
<b>EXPENSES</b>			
LABOR EXPENSES	\$ (1,648,610.47)	\$ (1,613,912.38)	\$ 34,698.09
Travel & Entertainment	\$ (13,456.00)	\$ (7,749.48)	\$ 5,706.52
Subcontracting	\$ (20,674.62)	\$ (274,132.43)	\$ (253,457.81)
Fuels	\$ (87,641.17)	\$ (34,048.74)	\$ 53,592.43
ELECTRICITY	\$ (430,798.83)	\$ (630,829.26)	\$ (200,030.43)
Steam / Heating		\$ (3,071.56)	\$ (3,071.56)
CHEMICALS	\$ (494,299.88)	\$ (688,794.80)	\$ (194,494.92)
Water		\$ (333.87)	\$ (333.87)
Other consumables	\$ (14,300.00)	\$ (6,170.65)	\$ 8,129.35
Vehicles & Mobile Equipment	\$ (143,132.00)	\$ (88,549.64)	\$ 54,582.36
Equipment, Supplies & Tools	\$ (198,245.00)	\$ (57,032.89)	\$ 141,212.11
Lab, Regula. Compli & Safety costs	\$ (72,171.00)	\$ (96,511.62)	\$ (24,340.62)
Repair & Maintenance	\$ (5,150.00)	\$ (941,148.88)	\$ (935,998.88)
Building & Properties	\$ (62,052.00)	\$ (84,574.16)	\$ (22,522.16)
IT Costs	\$ (48,297.00)	\$ (59,136.81)	\$ (10,839.81)
Insurances	\$ (21,000.00)		\$ 21,000.00
Professional Fees	\$ (352,851.00)	\$ (43,595.97)	\$ 309,255.03
Taxes & Licenses		\$ (11,312.20)	\$ (11,312.20)
Other Expenses	\$ (147,537.61)	\$ (177,426.41)	\$ (29,888.80)
<b>TOTAL EXPENSE</b>	<b>\$ (3,760,216.58)</b>	<b>\$ (4,818,331.75)</b>	<b>\$ (1,058,115.17)</b>
Discounts/Dep/Support Fees & W/O	\$ (14,145.18)	\$ 434.10	\$ 14,579.28
<b>GRAND TOTAL EXPENSES</b>	<b>\$ (3,774,361.76)</b>	<b>\$ (4,817,897.65)</b>	<b>\$ (1,043,535.89)</b>
<b>MARGIN (EBIT)</b>	<b>\$ 440,221.88</b>	<b>\$ 382,179.97</b>	<b>\$ (58,041.91)</b>

## 2024 OPERATIONS & MAINTENANCE PLAN FOR EACH BUSINESS AREA

The Operations and Maintenance plans for the water and wastewater utilities are included in the following pages. The items are shown in the business areas of:

General

Customer Service

Water Treatment

Water Distribution

Wastewater Collection

### A. General

- Continue to ensure Compliance with existing Rules and Regulation. Support the City, when possible, with any compliance and changes in law related to any new rules implemented by EPA, State of Ohio, or others.

EPA recommendations from the 2023 survey –

- Recommend the city of Huber Heights apply an NSF approved paint or protective coating to reduce the metal corrosion at well casings. – Quotes for this work will be obtained in 2024 and included in the 2025 budget for approval.
- Recommend all access manholes and latches be inspected for unauthorized entry, vandalism and sabotage every 6 months for all storage tanks. All latches and lids are to remain secured and locked. - Veolia performs these steps each week and records it in the logbook.
- Recommend determining distance from well #1 to force main to ensure it is further 100 feet from each other. If not, then recommend Huber Heights routinely monitoring this well for total coliform bacteria. - We are currently investigating the actual distance from the well to the force main. If it is within 100 feet from the well, we will begin to routinely monitor the well for total coliform bacteria.
- EPA recommends cathodic protection at the water towers. – City will install at the next scheduled revitalization.
- Backflow Prevention Program – Letters to customers requesting compliance with program and keep necessary records as required by EPA.
- Cost Savings Initiatives – Continue to work with the VEOLIA Procurement Department, seeking out and implementing all possible cost savings for chemicals, energy, and other miscellaneous purchasing, through National Contract pricing and negotiation.
- Preventive Maintenance and Repair Program – Perform all planned preventive maintenance and complete all necessary repairs.
- Safety – Ensure work appropriate safety training is provided for each employee. Conduct routine safety sessions and monthly safety inspections at all facilities.
- Maintain business relationships through participation in professional organizations such as AWWA and other water-related organizations, staying abreast of best utility practices.
- Use Incentive program to encourage plant and distribution staff to obtain additional water/sewer related licensing.

## B. Customer Service

- Annual Water Quality Report (Consumer Confidence Report) will be prepared and delivered to customers. It will also be posted at VEOLIA /City of Huber Heights Water Department Office and City Hall and posted on City website.
- Annual Financial Audit – Continue to perform in a manner in keeping with all agreed upon procedures with City of Huber Heights.
- Continue Cross-training customer service staff on job task assignments.
- Service Technicians to paint 450 hydrants.

## C. Rip Rap Water Treatment

- Calibrate flow totalizers, chart recorders and differential pressure cells and level transmitters
- Conduct safety inspections and security checks
- Complete Annual Water Withdrawal Report required by Ohio Department of Natural Resources
- Complete Tier II Chemical Inventory Report and submit to required entities
- Comply with EPA required monitoring and reporting guidelines for Lead & Copper Testing
- Complete and submit EPA monthly operating reports using eDWR submission program
- Increase Ohio EPA licensure of Water Treatment Plant staff
- Maintain appropriate operator licensing for all operators.
- Continue operations and maintenance of the Membrane Softening Plant upgrade.
- Perform preventive maintenance and load bank testings on Generator
- Recertify three backflow devices – 1.5-inch, 2-inch, and 2.5-inch
- Pull, clean, inspect and make any needed repairs on Wells #1 and Well #3
- Complete and submit new EPA monthly Discharge Monitoring Report using eDWR submission program required for softening project
- Replace two chemical feed pumps
- Seal asphalt in parking lot
- Replace the totalizer meters on each production well & signal the readings to SCADA
- Install one additional High Performance Well similar in size to well # 6. (City Project)



RRR Water Treatment

### Standpipes, Booster Stations:

- Perform Weekly inspections at all sites and report or repair based on findings.

## D. Water Distribution

**Hydrants:**

- Flush all hydrants in the system in 2024. Repair hydrants as needed

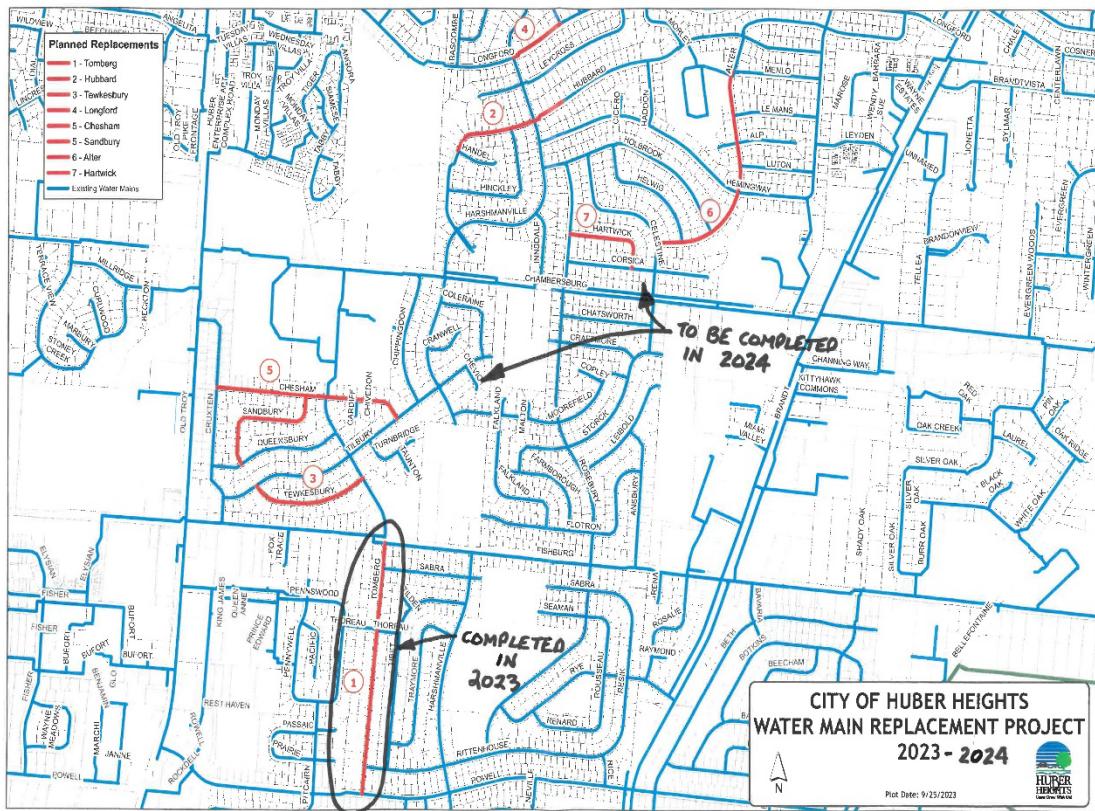
**Valves:**

- Continue Main Valve Exercise Program using Valve Exercise Trailer.
- Report / Repair and replace valves & schedule any possible in a future budget

**Water Main:**

- Repair water mains as needed
- Check main break sites and maintain adequate levels of cold patch until permanent repairs are made during Annual Blacktop Replacement Program
- Replace Water mains in certain areas. See below for map of areas replaced in 2023 and scheduled for 2024. (City Project)

## Water Main Replacement Areas 2023/2024



## E. Wastewater Collection

### Vaccon/Hydro excavator:

2007 Vaccon Unit, which is used for sanitary sewer cleaning & clearing, as well as hydro excavate where needed for main breaks, has well surpassed its life expectancy. City budgeted to replace in 2024.



### Sanitary Sewer Mains:

- Continue sewer inspections with new acoustic equipment.
- Line sanitary sewer up to \$350,000.00 (City Project)
- Inspect at least 20% of existing sanitary sewer lines older than 5 years in age.
- Clean all sanitary sewer line sections with an acoustic score of “0” within 1 business day, scores of 1-3 within 2 business days.
- Clean all hot spots at least annually.
- Respond to and clear stoppages and overflows promptly

### Lift Stations:

- Monitor Lift Stations and wet wells weekly
- Clean and lubricate all pumps as needed
- Clean and pressure wash all wet wells – semi-annually
- Check alarm systems weekly
- Check grounds and controls weekly

## 2024 FINANCIAL PLAN FOR OPERATIONS & MAINTENANCE

Prepared in July 2023, the Financial Plan for 2024 is presented below. The budget is broken down by expected water utility expenses and wastewater utility expenses.

Water utility expenses include water treatment, water distribution and maintenance of the Huber East Water District and Center Point 70.

The “Revenue Budgeted” amount is the amount assumed at the time the budget is prepared.

The “Local Expenses Budgeted” includes only local labor and expenses.

The Monthly Financial Report prepared by VEOLIA and submitted to the City monthly includes a comparison of actual versus budgeted revenue and expenses.

<b>City of Huber Heights</b> <b>Division of Water and Wastewater</b> <b>2023 Operations and Maintenance Budget</b> <b>Prepared by Veolia</b>				
	<b>Budget</b>	<b>Budget</b>	<b>Budget</b>	
	<b>Water</b>	<b>Sewer</b>	<b>Total</b>	
<b>EXPENSES</b>				
Labor Costs	\$ (1,408,822.09)	\$ (309,253.63)	\$ (1,718,075.72)	
Travel & Entertainment	\$ (4,033.71)	\$ (885.45)	\$ (4,919.16)	
Subcontracting	\$ (267,927.95)	\$ (58,813.45)	\$ (326,741.40)	
Fuels	\$ (46,732.78)	\$ (10,258.42)	\$ (56,991.20)	
Electricity	\$ (503,664.40)	\$ (110,560.48)	\$ (614,224.88)	
Steam / Heating	\$ (1,106.64)	\$ (242.92)	\$ (1,349.56)	
	\$ -	\$ -	\$ -	
Chemicals	\$ (519,014.99)	\$ -	\$ (519,014.99)	
Water	\$ -	\$ -	\$ -	
Other consumables	\$ (10,086.00)	\$ (2,214.00)	\$ (12,300.00)	
Vehicles & Mobile Equipment	\$ (126,904.02)	\$ (27,856.98)	\$ (154,761.00)	
Equipment, Supplies & Tools	\$ (164,475.60)	\$ (36,104.40)	\$ (200,580.00)	
Lab, Regula. Compli & Safety costs	\$ (155,966.46)	\$ (34,236.54)	\$ (190,203.00)	
Repair & Maintenance	\$ (409,558.17)	\$ (89,903.01)	\$ (499,461.18)	
Building & Properties	\$ (55,108.13)	\$ (12,096.91)	\$ (67,205.04)	
IT Costs	\$ (24,267.56)	\$ (5,327.02)	\$ (29,594.58)	
Professional Fees	\$ (21,057.08)	\$ (4,622.28)	\$ (25,679.36)	
Taxes & Licenses	\$ (823.69)	\$ (180.81)	\$ (1,004.50)	
Other Expenses	\$ (138,834.04)	\$ (30,475.77)	\$ (169,309.81)	
<b>Total Operating Expenses</b>	<b>\$ (3,858,383.31)</b>	<b>\$ (733,032.07)</b>	<b>\$ (4,591,415.38)</b>	
		<b>Local</b>		
	<b>Revenue</b>	<b>Expenses</b>		
	<b>Budgeted</b>	<b>Budgeted</b>		
	\$ 5,045,369	\$ (4,591,415)		

## RECOMMENDATIONS FOR CAPITAL IMPROVEMENTS, CONNECTION FEES & RESERVES

The Operations and Maintenance Agreement (Contract) between the City of Huber Heights and VEOLIA provides that the Annual Report on Operations and Maintenance includes a recommendation of amounts

the Owner should set aside for capital improvements/replacements and recommendations for appropriate connection charges and reserves for repair and replacement.

VEOLIA recommends a minimum of 10% of the City's revenue be set aside for such improvements / replacements and repairs annually.

VEOLIA recommends that water and sewer rates be reviewed annually. While current revenues are sufficient to meet the maintenance and operational needs of the system performed by VEOLIA, capital costs for improvements performed by the City are ever increasing with the age of the infrastructure. Included in this report is a list of known capital improvements to the existing system, needed over the next five years.

VEOLIA will continue to keep Huber Heights' Engineering Department informed of future needs and provide any assistance desired by the city in determining the cost for such need.

## A. Prioritized Capital Improvement Recommendations

2024-2028 Water Plant Project Titles	2024	2025	2026	2027	2028
Pressure Filters 1-5 - Paint exterior			X		
Pressure Filters 1-5 - Inspect/re-bed media	X				
Redevelop well 1	X				
Redevelop well 2			X		
Redevelop well 3	X				
Redevelop well 4				X	
Redevelop well 6		X			
High Service pump/motor #1 - Inspection & Repair	X				X
High Service pump/motor #2 - Inspection & Repair		X			
High Service pump/motor #3 - Inspection & Repair			X		
High Service pump/motor #4 - Inspection & Repair				X	
Backwash Pump #1 - Inspection & Repair	X				
Backwash Pump #2 - Inspection & Repair		X			
Rehabilitate Residual Building roof, paint, & air conditioning and controls					
Replace the main entrance electric gate and answering system/intercom.	X				
New Production Well	X				

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Upgrade the totalizers at each well and signal them to SCADA	X				
Nano Filtration membrane replacement.	X	X			X
Install Ultra Low Chlorine (CL17) in-line analyzers in the NF Building	X				
Replace chemical feed pumps two per year	X	X	X	X	X
Paint/Replace fence around the production wells			X		
Inspections of Clear well, residual basin & reaction basin.	X				
Bulk/Day tank cleaning & proper disposal	X	X	X	X	X
WTP parking lot sealing	X				X
Reaction/Residual Basin pump out.	X				X
Load coordination study of the water treatment plant.		X			
Low Service pump/motor #1 Inspection & Repair			X		
Low Service pump/motor #2 Inspection & Repair		X			
Low Service pump/motor #3 Inspection & Repair			X		
Low Service pump/motor #4 Inspection & Repair		X			
NF Feed pump/motor #1 - Inspection & Repair			X		
NF Feed pump/motor #2 - Inspection & Repair		X			
NF Feed pump/motor #3 - Inspection & Repair			X		
NF Feed pump/motor #4 - Inspection & Repair		X			
<b>2024-2028 Water Distribution Project Titles</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>
Water Main Replacement Program (on going)	X	X	X	X	X
Valve Exercise and Maintenance Program (on going)	X	X	X	X	X
Paint Chambersburg Water Tower		X			

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Paint Emeraldgate Water Tower					
Paint Stonehurst Water Tower					
Paint Rt 40 Water Tower					X
<b>2024-2028 Wastewater Collection Project Titles</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>
Install Missions Communication in 18 Lift Stations (6 per year)	X	X	X		
Continue Sewer Lining Program (on going)	X	X	X	X	X
Sewer Acoustic Inspection Program (on going)	X	X	X	X	X
Brandt Pike Lift Station Rehabilitation and add Generator			X		
Carriage Trail Lift Station Rehabilitation and add a Generator	X				
<b>2024-2028 Customer Service Project Titles</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2027</b>
Upgrade from Automated Meter Reading (AMR) meter reading system to Advance Metering Infrastructure (AMI)	X				
Water Meter Replacement Program	X	X	X		

The Operations and Maintenance Agreement (Contract) between the City of Huber Heights and VEOLIA provides that the Annual Report on Operations and Maintenance include an inventory of equipment deemed the property of VEOLIA. The following pages consist of that inventory.

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Distribution/Collection System Inventory		YEAR	
7752 Wildcat Road		2023	
Hydrants		QUANTITY	UNITS
Complete Mueller Hydrant		7	ea.
Mueller Break Flange Kit		3	ea.
Mueller Seat Rubber		0	ea.
Mueller Op Nut		1	ea.
Eddy Hydrant-Seat Rubbers		12	ea.
Eddy Hydrant – Drain Support Kit		4	ea.
Eddy Break Flange Kit		3	ea.
Eddy Nozzle		0	ea.
Eddy Bonnet		0	ea.
Eddy Op Nut		3	ea.
Repair Clamps		QUANTITY	UNITS
4 x 7- 4" Clamp 2-Bolt		0	ea.
4 x 12 - 4" Clamp 3-bolt		1	ea.
6 x 7 - 6" Clamp 2-bolt		11	ea.
6 x 12 - 6" Clamp 3-bolt		7	ea.
6 x 12 - 1" Tap 6" Clamp 3-bolt Tap		3	ea.
6 x 16 - 6" Clamp		1	ea.
6 x 20 - 6" Clamp		2	ea.
6 x 24 - 6" Clamp 3-bolt		3	ea.
8" Clamp 2-bolt		2	ea.
8" Clamp 3-bolt		4	ea.
8" Clamp 3-bolt tap		2	ea.
8 x 10 - 8" 3 bolt clamp		0	ea.
8 x 7 Clamp 8" 2-bolt repair clamp		0	ea.
8 x 16 8" Clamp		1	ea.
8 x 20 8" Clamp		2	ea.
8 x 24 8" Clamp		2	ea.
8 x 30 8" Clamp		2	ea.
10 x 7 Clamp 1" tap 10" 2 bolt repair clamp		0	ea.
10" Clamp 2-bolt		0	ea.
10" Clamp 4-bolt		0	ea.
10" Clamp 6-bolt		1	ea.
10 x 12 10" Clamp		1	ea.
12 x 12 - 12" Clamp 3-bolt		3	ea.

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Distribution/Collection System Inventory		YEAR	
<b>7752 Wildcat Road</b>		<b>2023</b>	
12 x 12 - 12" Clamp 3-bolt tap 1" Tap		2	ea.
12" Clamp 4-bolt		0	ea.
12 x 20 - 12" Clamp 6-bolt		0	ea.
12 x 24" Clamp		1	ea.
20 x 30" Clamp		1	ea.
24 x 30" Clamp		2	ea.
<b>Piping</b>		<b>QUANTITY</b>	<b>UNITS</b>
4" Water Main – 4" pipe		12	ft.
6" Water Main - 6" pipe		20	ft.
8" Water Main - 8" pipe		12	ft.
10" Water Main - 10" pipe		15	ft.
12" Water Main - 12" pipe		30	ft.
8" Sewer Main - 8" pipe SDR 35		21	ft.
4" Sewer Main – 4" pipe SDR 35		5	ft.
8" Fernco Sewer Repair Clamps		0	ea.
4" Fernco Sewer Repair Clamps		4	ea.
Sewer Filters – Seal Filters		0	ea.
Sewer Tee 8" X 4" Tee		0	ea.
<b>Copper Supplies</b>		<b>QUANTITY</b>	<b>UNITS</b>
1" Check Valve Flare		0	ea.
3/4" Flare Coupling		2	ea.
3/4" Compression Coupling		12	ea.
1" Flare Coupling		3	ea.
1' Compression Coupling		7	ea.
301 3/4" Angle Valve Flare		2	ea.
302 3/4" Angle Valve Compression		2	ea.
102 1" Angle Valve Compression		3	ea.
101 1" Angle Valve Flare		2	ea.
Coppersetter Angle Valve		1	ea.
Coppersetter		1	ea.
305 3/4" Corp. Stop Flare		1	ea.
306 3/4" Corp. Stop Compression		2	ea.
106 1" Corp. Stop Compression		2	ea.
105 1" Corp. Stop Flare		2	ea.
303 3/4" Curb Stop Compression		0	ea.
305 3/4" Curb Stop Flare		1	ea.

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Distribution/Collection System Inventory	YEAR	
<b>7752 Wildcat Road</b>	<b>2023</b>	
104 1" Curb Stop Compression	3	ea.
103 1" Curb Stop Flare	0	ea.
307 ¾" Coupling Flare	3	ea.
308 ¾" Coupling Compression	6	ea.
108 1" Coupling Compression	3	ea.
3/4" Copper - ¾ Soft Copper	20	ft.
1" K Copper	0	Ft. roll
1" Soft Copper	10	ft. roll
3/4" K Copper	0	roll
Yoke 502	3	ea.
Tools and Supplies	QUANTITY	UNITS
Chain hoist	1	ea.
Pipe snapper	1	ea.
36" pipe wrench	1	ea.
Weed eater	1	ea.
Lifting device for Hydrants	1	ea.
Rolling measuring device	1	ea.
Vice	1	ea.
Work Bench – Metal	1	ea.
Work Bench – Wood	1	ea.
8" bench grinder	1	ea.
Floor Model drill press	1	ea.
Hyd. Floor jack	1	ea.
Meter testing bench	1	ea.
Floor creeper	1	ea.
Asphalt saw	1	ea.
Tire pressure gauge	1	ea.
Plate compactor	1	ea.
220-volt 60 cal air compressor	1	ea.
Wheelbarrow	1	ea.
Kohler Generator (City Owned)	1	ea.
Ingersoll-Rand portable air compressor	1	ea.
90 lb. air hammer	1	ea.
15 lb. air hammer	1	ea.
Air wrench	1	ea.
Impact wrench	1	ea.

Distribution/Collection System Inventory	YEAR	
<b>7752 Wildcat Road</b>	<b>2023</b>	
Jumping jack compactor	0	ea.
Cable hoist for confined space entry	1	ea.
Spare lift station pumps	0	ea.
Shoring Boards (4x8)	2	ea.
Barricade (various styles and types)	3	ea.
Round point shovels	4	ea.
Square point shovels	4	ea.
Picks	5	ea.
Bolt cutters	1	ea.
Pipe wrenches	7	ea.
Gas powered blower street sweep	1	ea.
Snow fence	1	ea.
Salt spreader	1	ea.
Fuel cans (gas and diesel)	1 gas	ea.
Main line T-handle valve keys	6	ea.
Curb stop valve keys	2	ea.
Manhole lifter	2	ea.
55 gal. oil drum	0	ea.
Lawnmower	1	ea.
Mueller Hyd. Seat remover	1	ea.
Mop buckets and mop	2	ea.
Dust pans	4	ea.
Brooms	5	ea.
Garden hose	4	ea.
Spud bars	2	ea.
Grease guns	2	ea.
Gas powered water pumps (day and night service)	2	ea.
Pipe covers	1	ea.
Extension cords	5	ea.
Meter Keys	5	ea.
Metal detectors	3	ea.
Wet well pressure cleaning rods	5	ea.
Step ladders	3	ea.
Extension ladder	1	ea.
Shop vac	1	ea.
Root saw (sewer)	1	ea.

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<b>Distribution/Collection System Inventory</b>	<b>YEAR</b>	
<b>7752 Wildcat Road</b>	<b>2023</b>	
Cleaning nozzles (sewers)	7	ea.
9-ton Eager Beaver Equip. trailer	1	ea.
Soil pipe cutters	1	ea.
6" main line valve	1	ea.
Fire Extinguishers	15	ea.
Small trailer 8'x16'	1	ea.
Copper crimping tools (squeezers)	2	ea.
Road Closed signs	3	ea.
Suitcase barricade	0	ea.
Trash pumps with hoses	3	ea.
Generator (City owned)	2	ea.
Traffic cones	25	ea.
Work lights	3	ea.
Shoring box (1-City owned and 1- United owned)	2	ea.
Locators (pipe)	2	ea.
Gas powered cut off saw	1	ea.
Cordless drill	3	ea.
Electric Sawzall	1	ea.
Hammer drill	1	ea.
4 1/2" grinder	1	ea.
Saber saw	1	ea.
Tap and die set	1	ea.
Electrical repair kit and toolbox	1	ea.
Tap machines	1	ea.
Valve exerciser-gas powered hyd. Pump	0	ea.
Small dump trailer	1	ea.
CO2 bottle	0	ea.
Leak Detector Equipment	0	ea.
Valve exercise trailer	1	ea.
SL-Rat, sewer inspection	1	ea.
Pole camera	1	ea.
GPS unit	1	ea.

<b>Whole Meters, Meter Parts and Meter Supplies Inventory</b>	<b>YEAR</b>	
<b>7752 Wildcat Road</b>	<b>2023</b>	
<b>Meters Outside</b>	<b>QUANTITY</b>	<b>UNITS</b>

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Whole Meters, Meter Parts and Meter Supplies Inventory	YEAR	
<b>7752 Wildcat Road</b>	<b>2023</b>	
5/8 x 3/4" R900i	496	ea.
1" R900i	28	ea.
1 1/2" R900i T-10	7	ea.
1 1/2" R900i HP Turbine	0	ea.
2" R900i HP Turbine	8	ea.
2" T-10 R900I	0	ea.
2" R900i TruFlo Compound	0	ea.
3" R900i HP Turbine	0	ea.
3" R900i TruFlo Compound	0	ea.
4" R900i HP Turbine	0	ea.
4" R900i TruFlo Compound	0	ea.
Meters Inside	QUANTITY	UNITS
5/8 x 3/4" R900i	4	ea.
1" R900i	23	ea.
1 1/2" R900i T-10	9	ea.
1 1/2" R900i HP Turbine	0	ea.
2" R900i HP Turbine	0	ea.
2" T-10 R900I	0	ea.
2" R900i TruFlo Compound	0	ea.
3" R900i HP Turbine	0	ea.
3" R900i TruFlo Compound	0	ea.
4" R900i HP Turbine	0	ea.
4" R900i TruFlo Compound	0	ea.
Outside Dials	QUANTITY	UNITS
5/8 x 3/4" R900i	0	ea.
1" R900i	0	ea.
1 1/2" Flange R900i T-10	3	ea.
1 1/2" R900i HP Turbine	0	ea.
2" R900i HP Turbine	0	ea.
2" T-10 R900I	12	ea.
2" R900i TruFlo Compound	0	ea.
3" R900i HP Turbine	0	ea.
3" R900i TruFlo Compound	0	ea.
4" R900i HP Turbine	0	ea.
4" R900i TruFlo Compound	0	ea.
Inside Dials	QUANTITY	UNITS

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Whole Meters, Meter Parts and Meter Supplies Inventory	YEAR	
<b>7752 Wildcat Road</b>	<b>2023</b>	
5/8 x 3/4" R900i	2	ea.
1" R900i	0	ea.
1 1/2" R900i Flange T-10	0	ea.
1 1/2" R900i HP Turbine	0	ea.
2" R900i HP Turbine	0	ea.
2" T-10 R900I	2	ea.
2" R900i TruFlo Compound	0	ea.
3" R900i HP Turbine	0	ea.
3" R900i TruFlo Compound	0	ea.
4" R900i HP Turbine	0	ea.
4" R900i TruFlo Compound	0	ea.
Meter Bodies	QUANTITY	UNITS
5/8 x 3/4" R900i outside	118	ea.
1" R900i	11	ea.
5/8" Dials inside	0	ea.
1 1/2" R900i T-10	3	ea.
1 1/2" R900i HP Turbine	0	ea.
2" R900i HP Turbine	2	ea.
2" T-10 R900I	0	ea.
2" R900i TruFlo Compound	0	ea.
3" R900i HP Turbine	0	ea.
3" R900i TruFlo Compound	0	ea.
4" R900i HP Turbine	0	ea.
4" R900i TruFlo Compound	0	ea.
Antennas and Meter Seals	QUANTITY	UNITS
6 ft. (standard)	0	ea.
20ft (long)	0	ea.
Seal Pins	0	ea.

Administrative Office	YEAR	
<b>6244 Chambersburg Road</b>	<b>2023</b>	
Office Equipment	QUANTITY	UNITS
Computers/monitors/keyboards - Veolia owned	9	ea.
Computers/monitors/keyboards – City owned	0	ea.

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Terminals	2	ea
Cannon copy/fax/scanner	1	ea.
Letter opener	1	ea.
OCR Scanners	4	ea.
HP Office Jet Pro 8600 Print/Fax/Scan/Copy	1	ea.
Fire Extinguishers	3	ea.
Check Scanner	1	ea.
Postage Machine DM 400 C	1	ea.
HP LaserJet Pro 400 printer	1	ea.

Plant – Rip Rap	YEAR	
7300 Rip Rap Road	2023	
Office Equipment	QUANTITY	UNITS
Laptop computers	4	ea.
Desktop computer	2	ea.
SEE SNAKE	1	ea.
Fax/printer	2	ea.
Office Desks	4	ea.
Power Logic controller Main PLC	1	ea.
Chemicals	QUANTITY	UNITS
15 gal. drums Hydrofluosilicic Acid	0	ea.
3000 gal. Sodium Hypochlorite (per month)	2428	gal
250 gal. Hydrofluosilicic Acid (per month)	231	gal
Anti-Scalant	444	gal
Sodium Bisulfite	4731	gal
Caustic Soda	4144	gal
Orthophosphate	2866	gal
Laboratory Supplies	UNITS	
Free and total chlorine reagents pillows	3000	ea.
DPD Chlorine Test Kits	5	ea.
Fluoride probe (testing)	2	ea.
Reference probe	2	ea.
Magnetic Stirrer	2	ea.
Fluoride/pH Bench Analyzer	2	ea.
5%-15% Hypochlorite test kit	1	ea.
Colorimeter test kit (Iron)	1	ea.
Iron reagents (packs of 100)	3.5	ea.
500 ML sample bottles	30	ea.

Plant – Rip Rap	YEAR	
<b>7300 Rip Rap Road</b>	<b>2023</b>	
Chem wipes	100	box
Nitrile glove	14	box
Deionized water	13.2	gal
Formic Acid	5	btl
CI17 reagents sets	3	ea.
Fluoride analyzer reference solution	4.75	box
Tisab II (104-liter cube containers)	0.5	box
Lab refrigerator	1	ea.
pH probes 9157 BNMD	2	ea.
Fluoride Stock Solution 100ppm	1	qt
Calcium Hypochlorite test kit	1	ea.
Hach DR3900 Bench Top Meter	1	ea.
Stirrers for 960 electrodes	2	ea.
Chem Wipes, large box	3	box
Ultra Meter II	2	ea.
Orion 2100 Series (inline fluoride meter)	1	ea.
Industrial Fluoride Electrode (orion 100029)	2	ea.
Process Reference Electrode (thermo scientific 100056)	2	ea
Hach SC200 (chlorine/pH analyzer with probes)	1	ea.
Hach SC200 (ORP analyzer with probes)	1	ea.
ph 7.0 Buffer (4 liter)	2	box
pH 10.0 Buffer (4 liter)	2	box
pH 4.0 Buffer (4 liter)	2	box
pH 7.0 Buffer (500 ml)	2	btl.
EDTA Titrant (4 liter)	2.3	btl.
Sulfuric Acid 0.02N (4 liter)	1.3	btl.
Fluoride 0.5 std. (1liter)	2	btl.
Fluoride 5.0 std. (1 liter)	3.5	btl.
Fluoride 1.0 std. (1 liter)	2	btl.
Calcium Chloride std. (1 liter)	0.75	btl.
Calmagite Solution (500 ml)	0.50	btl.
Hardness Buffer Solution (500 ml)	0.75	btl.
Bromocresol Green-Methyl Red (100 ml)	1	btl.
Sodium Thiosulfate 0.01N (1 liter)	0.75	btl.
Sodium Carbonate std. (100 ml)	0.6	btl.
Sulfuric Acid std. 5.25N (100 ml)	1.3	btl.

Potassium Hydroxide Solution #8 (100 ml)	0.75	btl.
ORP std. 200mv (500 ml)	1	btl.
ORP std. 600 mv (500 ml)	1	btl.
Conductivity std 1000 u/cm (1 liter)	1	btl.
StableCal Std. 1000 u/cm (500 ml)	0.5	btl.
Distilled Water (gallons)	2.5	btl.
HQ pH 100 / Conductivity meter (with probes)	1	ea.
Filling Solution for Reference Electrode 100056 (2 ounce bottle)	3	btl.
Fluoride std. (2 ounce bottles)	3	btl.
Alkaline Cyanide Reagent (100 ml)	2.5	btl.
Ascorbic Acid (100 pack)	2.5	ea.
Pan Solution (100 ml)	2.5	btl.
½ ml class A pipet	2	ea.
2 ml class A pipet	2	ea.
3 ml Class A pipet	2	ea.
5 ml Class A pipet	3	ea.
10 ml Class A pipet	2	ea.
20 ml Class A pipet	6	ea.
25 ml Class A pipet	2	ea.
50 ml Class A pipet	2	ea.
Scilogex pipet bulb	5	ea.
Kimax Beakers (250 ml)	11	ea.
Low-Form Beakers (120 ml)	20	ea.
Plastic Stackable Beakers (120 ml)	18	ea.
Pyrex Beakers (1000 ml)	3	ea.
Graduated Cylinders Class A (100 ml)	1	ea.
Graduated Cylinders Class A (1000 ml)	1	ea.
Flask with stopper Class A (1000 ml)	2	ea.
Graduated Cylinder (50 ml)	5	ea.
Graduated Cylinder (100 ml)	1	ea.
Graduated Cylinder (250 ml)	1	ea.
Flask (50 ml)	1	ea.
Flask (125 ml)	1	ea.
Round Sample Cell (25 ml)	7	ea.
Round Sample Cell (10 ml)	19	ea.
Specific Gravity Hydrometer 1.200-1.420	1	ea.
Thermometer -5 degrees to 50 degrees celsius	1	ea.
Thermometer -2 degrees to 10 degrees celsius	1	ea.

Electrode Probe Stand.	1	ea.
CI-17 Pre-Assy. Maintenance Kit.	3	ea.
Plastic Graduated Cylinder (25 ml)	10	ea.
Economy pipet bulb	1	ea.
Premium pipet bulb	1	ea.
Evaporating Dishes	2	ea.
pH 3 in 1 Electrode (9147BN) Gel Filled	2	ea.
DPD - Chlorine LR Secondary Std. kit.	1	ea.
Sample Cell (match set of 2)	4	ea.
Electrode Storage Solution (500 ml)	2.7	btl.
AG/AgCl Reference Electrode Solution (2 Ounce)	0.7	btl.
pH 6.865 Std. (500 ml)	1	btl.
<b>Tools, Equipment and Supplies</b>		<b>QUANTITY</b>
Screwdriver sets	2	set
Hammers	4	ea.
Level	1	ea.
1/4-3/8-1/2" drive socket set	1	set
Combination wrench set	1	set
Tubing wrench set	1	set
Cordless drill	1	ea.
Drill bits	1	set
Nut driver bits	1	set
Flathead, Philips, and Torx Bits	1	set
Tubing cutters	1	ea.
Flaring tool	0	ea.
Crescent wrenches	3	ea.
Channel locks	5	ea.
Strap wrench	2	ea.
Pipe wrenches 14" and 18"	1	ea.
Propane torches	3	ea.
WD40	1	can
Well level sounding reel	2	ea.
Trucks	2	ea.
Maintenance. Cart	2	ea.
Portable Air Compressor	1	ea.,
Liquid Level Control Relay (backwash)	1	ea.
24' Aluminum Extension Ladder	1	ea.
Surge Protector (US Filter Control Panel)	1	ea.

A-Main US Filter Control Panel linking device (Ethernet/IP to device net)	1	ea.
Sodium Hypo. Hydrofluosilicic Acid Injection quills	1	ea.
Sodium Hypo Check Valve	0	ea.
Square D control board kit for VFD	0	ea.
Square D red indicator (pilot light kit)	6	ea.
Shop Vac 5 gal	1	ea.
Shop Vac 16 gal	1	ea.
Step Ladder 6 ft.	0	ea.
Step Ladder 8 ft.	1	ea.
A-Frame Step Ladder 12 ft.	1	ea.
Square D Indicator (pilot light kit)	6	ea.
Valmatic 3" air relief rebuild kit	2	ea.
LMI Pump	1	ea.
Chesterton Split Seal kit	3	ea.
Watson Marlow Pump track assembly (chemical feed pumps)	13	ea.
11" Spyder for 10" Column Pipe 460410809	0	ea.
11" Spyder for 10" Column Pipe 460410813	0	ea.
Shaft Bushing for high service pump	0	ea.
Shaft Coupling for high service pumps	0	ea.
Shaft Bushing for low service and backwash pumps	0	ea.
Shaft Coupling for low service and backwash pumps	0	ea.
1" ID Marprene tubing	5	ft.
1/8" ID Marprene tubing	50	ft.
3/8" OD Kynar tubing	106	ft.
3/8" ID Braided hose	0	ft.
Watson Marlow high flow driven roller pump head	1	ea.
Neptune solenoid driven metering pump	0	ea.
1" air relief valve	2	ea.
Blower fresh air filter	1	ea.
Synthetic Blower lubricant	1	gal
General purpose grease-bearing grease	3	tube
Quin – CIP compressor lubricant	1	gal
Chevron ISO 68 motor oil	5	gal
Marprene Industrial TPE tubing	0	ft.
Drive Belt for High service room exhaust fan	1	ea.
2" Air relief seal repair kit	1	ea.

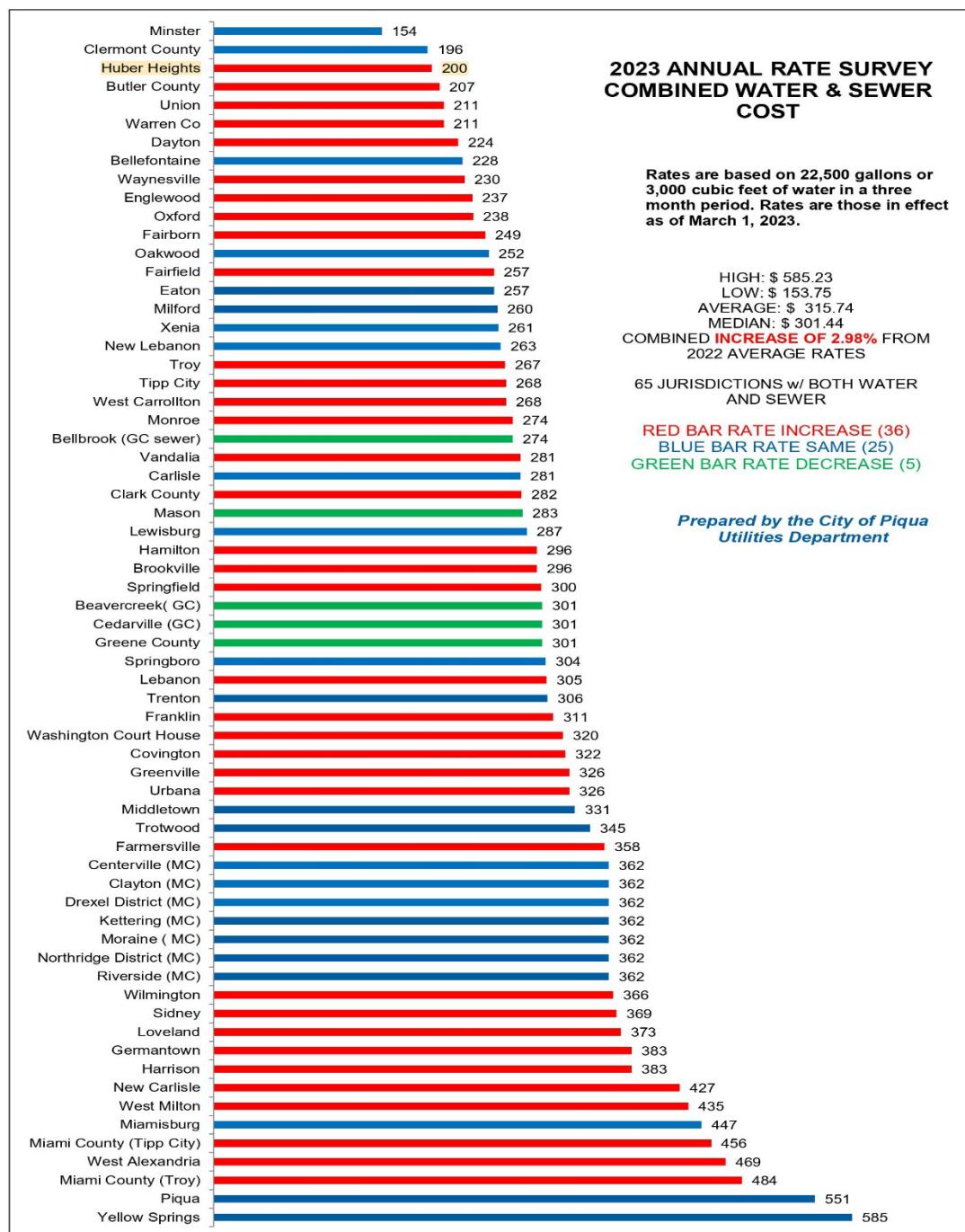
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1 1/2" pressure reducing valve	0	ea.
Coil (air actuated cylinders)	0	ea.
Food Grade Grease	0	tube
Dezurik 3" Air Relief Valve	1	ea.
1" Bulkhead Adapters	0	ea.
Filter Effluent Control Block	0	ea.
Filter Effluent Control Block Complete Assy	0	ea.
Air Control Blocks (All valves)	10	ea.
Bearing Grease	3	tube
Pillow block bearing	1	ea.
Blower drive belts (BX 48)	2	ea.
Air filter for dehumidifier	1	ea.
Kai Vac (Wet Vac)	1	ea.
Manual Pallet Jack	1	ea.
Electric Pallet Jack	1	ea.
Dehumidifiers (Quest Hi - E Dry)	5	ea.
NF building Furnace Filters	15	ea.
Main Plant/Office Furnace Filters	4	ea.
First Aid Kit (326 piece)	2	box
First Aid kit (100 piece)	3	box

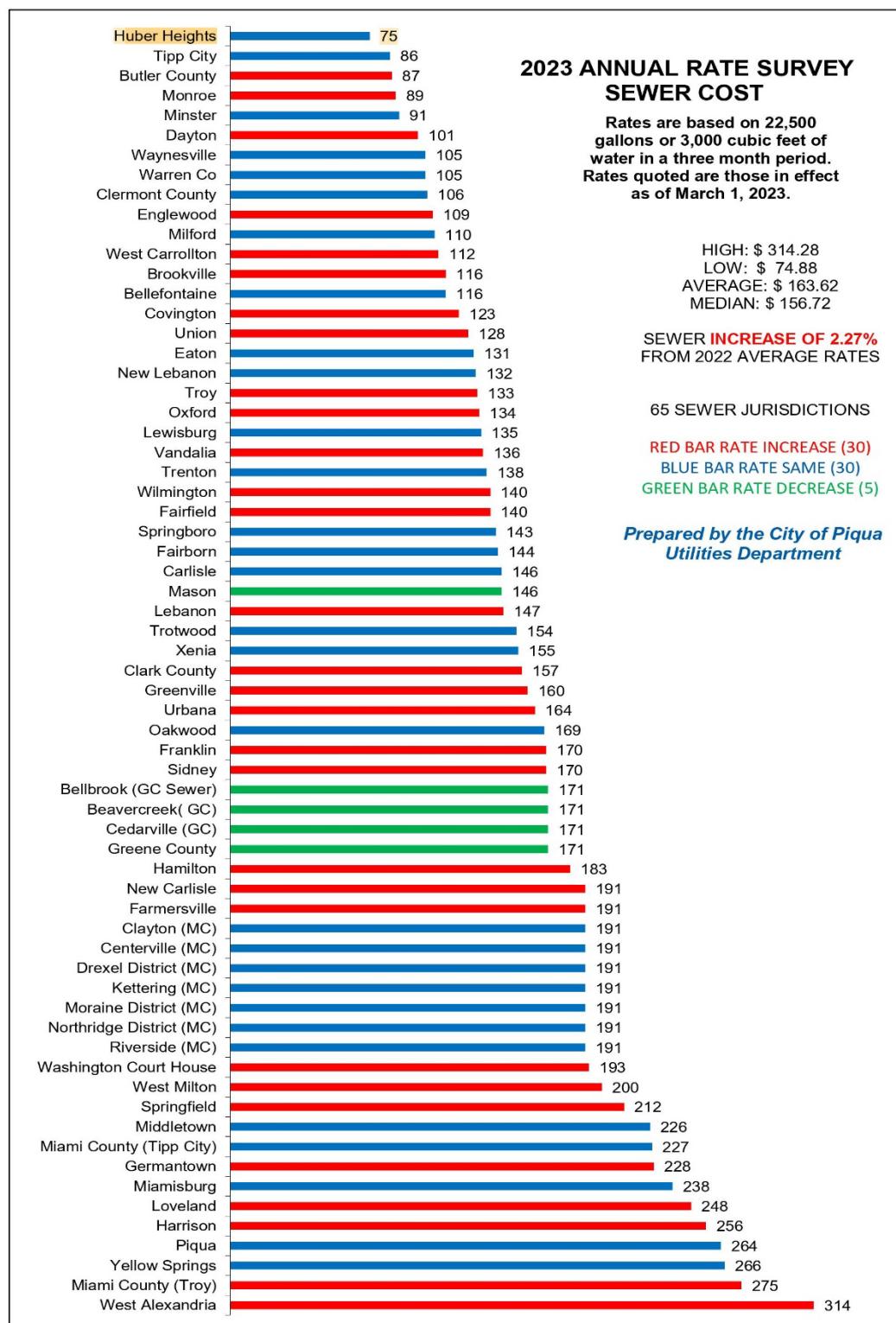
Fleet/Equipment Inventory	YEAR	
	2023	
Vehicles and Equipment	QUANTITY	UNITS
1989 Case Backhoe	1	ea.
2010 Ford F-450 Dump Truck	1	ea.
2014 Ford F -550 Water/Crane Truck	1	ea.
John Deere mini Excavator	1	ea.
John Deere skid Steer.	1	ea.
2007 Sterling L-7500 Vaccon Truck	1	ea.
1994 Freightliner Dump Truck	1	ea.
2023 Ford F-750 Dump Truck	1	ea.
Ford F 150 8' bed	3	ea.
F 150 6.5' bed	4	ea.
2007 Chevy Silverado 1500	1	ea.
2022 Ford Rangers Service Trucks	2	ea.
2014 Ford Explorer	1	ea.

## PIQUA RATE STUDY

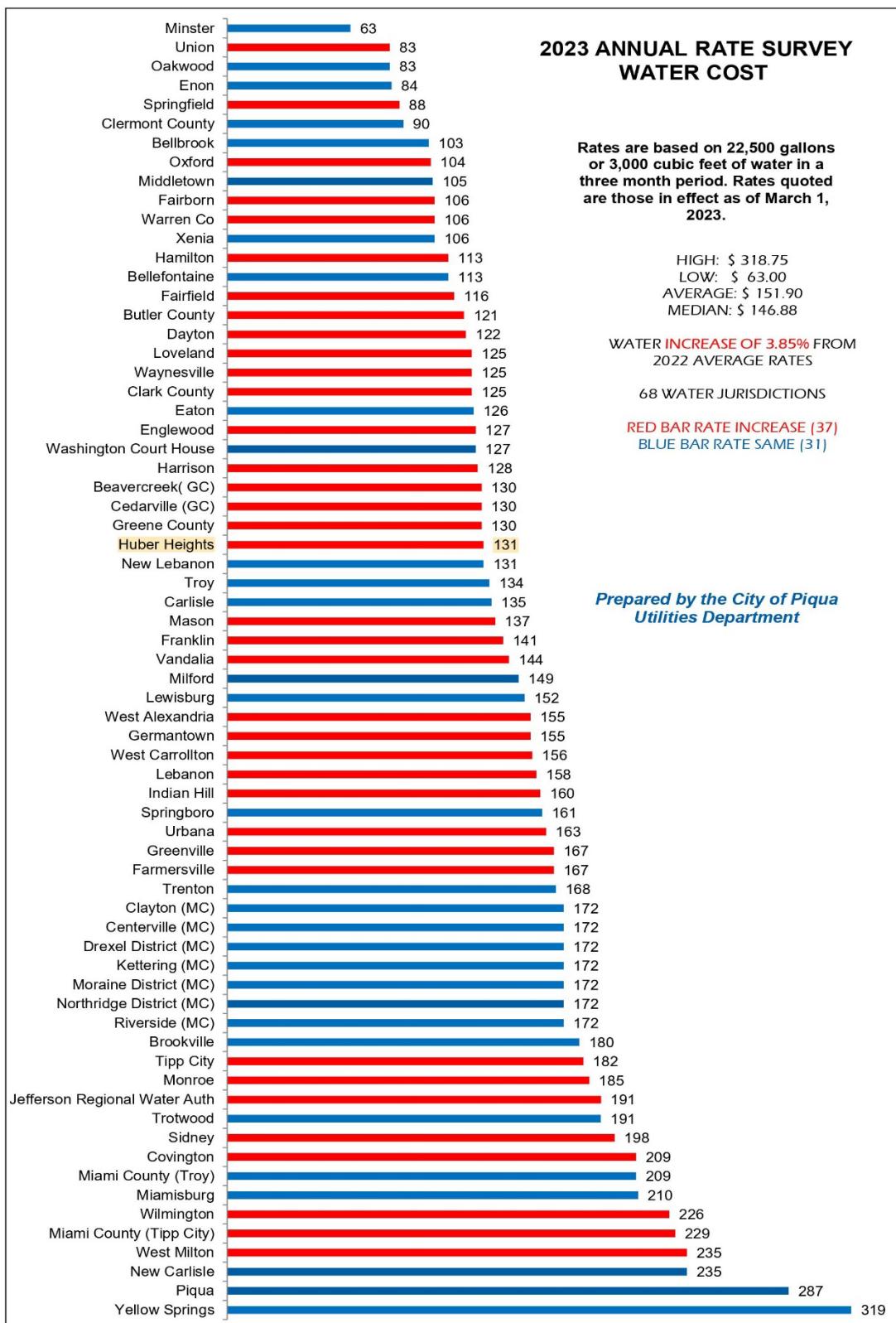
The Operations and Maintenance Agreement (Contract) between the City of Huber Heights and VEOLIA provides that the Annual Report on Operations and Maintenance includes a copy of the 2022 Oakwood Rate Study. The following pages contain a copy of the complete survey for Water/Sewer and Combined, Water and Sewer cost comparisons from that study.



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## HIGHLIGHTS OF THE YEAR

During 2023, water main breaks continued to decrease. VEOLIA would like to acknowledge the work our employees and the associated agencies who conducted to repair these breaks as quickly and safely as possible. The VEOLIA goal is always to minimize disruption of service to our customers and the residents of Huber Heights, ensuring a resilient and reliable drinking water service.

We thank the City's staff and officials for their support and diligence in working toward infrastructure improvements. We truly appreciate and enjoy our partnership in serving the Huber Heights community. You have VEOLIA's commitment to continue to do so for years to come.

Though the Ransomware issue did not affect the quality of the water system, it did present challenges in communications that were successfully navigated with some hard work and overtime on Veolia's part as well as the City's IT specialists. The city was already in the process of upgrading communications at the plant and this project will continue throughout 2024.

The Ransomware issue did present operational challenges in Customer Billing. However, the city worked diligently to restore or replace computers and though we were unable to bill in the Month of November we quickly brought billing back online and through the hard work of the Veolia team we were able to quickly get back on track. Veolia would like to thank the city and the community for their patience and cooperation during this event. In addition, a sincere thank you to the Veolia staff members who worked diligently to get everything back to regular schedule. The operational issues are 90% resolved and we expect that by March of 2024 they will be 100% resolved.

This is not to deter from the many accomplishments throughout the rest of the departments within Veolia, or the City of Huber Heights.