

**BEFORE  
THE PUBLIC UTILITIES COMMISSION OF OHIO**

In the Matter of the Application of	)	
Vectren Energy Delivery of Ohio, Inc. d/b/a	)	
CenterPoint Energy Ohio for Authority to	)	Case No. 22-0455-GA-RDR
Adjust Its Distribution Replacement Rider	)	
Charges.	)	

**APPLICATION**

Vectren Energy Delivery of Ohio, Inc. d/b/a CenterPoint Energy Ohio respectfully requests that the Commission approve an adjustment to its Distribution Replacement Rider (DRR) charges as described and supported herein. In support of this Application, CEOH states:

1. CEOH is an Ohio corporation engaged in the business of providing natural gas distribution service to approximately 330,000 customers in west central Ohio and, as such, is a “natural gas company” and “public utility” as defined by R.C. 4905.03(E) and 4905.02(A), respectively.

2. On January 7, 2009, in Case No. 07-1080-GA-AIR, the Commission first approved the DRR to recover the costs of the Company’s accelerated bare-steel and cast-iron replacement program (the Replacement Program). The DRR was approved to be in effect for a five-year period ending in February 2014 beginning on the date rates approved in that case were implemented.

3. On August 22, 2013, in Case No. 13-1571-GA-ALT, CEOH filed an application to expand the scope of the Replacement Program and to extend the DRR to recover the associated costs incurred through the end of calendar year 2017. On January 17, 2014, CEOH and the Commission’s Staff entered into a Stipulation and Recommendation (the 13-1571 Stipulation), which the Commission approved in an Opinion and Order dated February 19, 2014 (the 13-1571 Order).

4. On March 30, 2018, CEOH filed an application in Case Nos. 18-0298-GA-AIR and 18-0299-GA-ALT (the 2018 Rate Case Application) requesting, among other things, an increase in base rates and an extension of the Replacement Program and the DRR to cover investment through December 31, 2023. As explained in the 2018 Rate Case Application, CEOH reflected in its proposed rate base all Replacement Program investments through December 31, 2017.

5. On January 4, 2019, CEOH, Commission Staff, and other parties to the 2018 Rate Case entered into a Stipulation and Recommendation (the 2018 Rate Case Stipulation), which the Commission approved pursuant to the August 28, 2019 Opinion and Order in Case Nos. 18-0298-GA-AIR, 18-0299-GA-ALT, and 18-0049-GA-ALT (the 2018 Rate Case Order). The 2018 Rate Case Stipulation stated that the DRR balance as of December 31, 2017 is included in stipulated base rates. The 2018 Rate Case Stipulation also extended the DRR program for six years, for investment from January 1, 2018 through December 31, 2023.

6. On August 25, 2021, in Case No. 21-0491-GA-RDR, the Commission also approved CEOH's application that established the current DRR charges for the DRR investment period ending December 31, 2020. Those charges became effective on September 1, 2021.

7. Consistent with the 13-1571 Stipulation and Order and the 2018 Rate Case Stipulation and Order, CEOH proposes to adjust the current DRR charges to recover the following costs that were incurred in 2021:

- The cost of replacing and retiring bare-steel and cast-iron mains and bare-steel service lines;
- The cost of replacing and retiring field-coated steel pipe that was installed prior to 1955;
- The cost of replacing, retiring, and testing field-coated steel pipe installed beginning in 1955 and prior to 1971 and that failed a cathodic-protection test;

- The cost of replacing and retiring obsolete pipe and appurtenances that were encountered within the context of a main replacement project undertaken as part of the Replacement Program;
- The cost of replacing and retiring vintage plastic pipe that was encountered within the context of a main replacement project undertaken as part of the Replacement Program, to the extent that the total footage of vintage-plastic-pipe replacement did not exceed five percent of total replacement program footage in 2018;
- The cost of replacing and retiring segments of interspersed plastic pipe, under the following conditions:
  - For any individual segment of plastic pipe that meets the length and diameter limitations set forth in ¶ 5 of the 13-1571 Stipulation, such costs shall be included;
  - For segments of interspersed plastic pipe in excess of the limitations set forth in ¶ 5 of the 13-1571 Stipulation, such costs may be included unless it is shown that it was less economical to replace the segment than to tie it into the existing plastic segment;
- The cost of replacing segments of pipe that included target pipe where (a) CEOH's pipe was in a public right-of-way, (b) CEOH was required to relocate its facilities at the request of a governmental entity, and (c) the plastic pipe associated with the relocation was less than or equal to 25 percent of the total footage of that governmental relocation; and
- The incremental costs of assuming ownership and repair of customer service lines.

(13-1571 Stipulation at 2–4.)

8. The 13-1571 Stipulation provided that CEOH would work with Staff to agree on a methodology that accurately identified CEOH's actual incremental service-line costs and investment. (*Id.* at 3–4.) In Case No. 14-813-GA-RDR, following discussions with Staff, CEOH proposed a methodology to accurately identify actual incremental service-line costs and investments. Staff recommended approval of CEOH's 14-813 Application, including the treatment of service lines, without modification (*see* Staff Comments at 4–5), and the Commission approved. *See* 14-813 Opin. & Order at 3–4 (Aug. 27, 2014). As described in the

Direct Testimony of Steven A. Hoover, CEOH's Application in this case uses the same methodology approved in Case No. 14-813-GA-RDR.

9. Costs recoverable in the DRR have been offset by operations and maintenance (O&M) savings, which CEOH has calculated using a credit of \$5,882 per mile of bare-steel and cast-iron main replaced (the O&M Savings Credit). This calculation is consistent with the 2018 Rate Case Stipulation and Order. Given that CEOH replaced a cumulative 224.55 miles of bare-steel and cast-iron main from 2018-2021, the O&M Savings Credit is \$1,320,803. CEOH also calculated actual O&M savings by comparing 2021 actual O&M costs to the O&M baseline reflected in the 2018 Rate Case Stipulation, but this amount was \$689,230 and thus less than the O&M Savings Credit.

10. CEOH requests that the Commission establish the revised DRR charge to be effective on September 1, 2022, for the subsequent 12-month period and that this application not be considered an application to increase rates and charges.

11. As a part of this Application, CEOH has provided support for the following:

- The return of and on the plant investment, inclusive of capitalized interest or post-in-service carrying costs charges (PISCC) at the rate of 5.07% (effective January 1, 2019) for the accumulated infrastructure investment amounts in the DRR from the date that the applicable assets are placed in service until the effective date of the next subsequent DRR;
- The incremental costs of assuming ownership and repair of customer service lines;
- The incremental revenue requirement for the year and for each component of the DRR;
- A summary of its construction plans for the next year, including expected investment, expected location of the infrastructure replacement work, and the expected miles to be replaced; and
- The calculation of the O&M Savings Credit and of actual annual savings of O&M expenses compared to the O&M baseline reflected in the 2018 Rate Case Stipulation.

12. To demonstrate the justness and reasonableness of the proposed DRR charges and the underlying revenue requirement, CEOH submits the following exhibits:

- CEOH Exhibit 1.0: Direct Testimony and Exhibits of Steven A. Hoover;
- CEOH Exhibit 2.0: Direct Testimony and Exhibits of Chrissy M. Behme; and
- CEOH Exhibit 3.0: Direct Testimony and Exhibits of Katie J. Ticken.

13. The data and information contained in the Application and supporting testimony support the following revised DRR charges, which include adjustments attributable to the reconciliation of costs recoverable and costs actually recovered during the prior DRR rate effective period:

<b>Rate Schedule</b>	<b>\$ Per Month</b>	<b>\$ Per Billing Ccf</b>
310, 311 and 315	\$ 8.55	
320, 321 and 325 (Group 1)	\$11.12	
320, 321 and 325 (Group 2 and 3)		\$0.03040
345		\$0.01102
360		\$0.00663

14. The calculation of the proposed DRR charge applicable to residential customers is consistent with the Commission's approval of CEOH's alternative rate plan in the 2018 Rate Case and complies with the residential rate cap per the 2018 Rate Case Stipulation of \$10.00 per month for the DRR investment period as of December 31, 2021, exclusive of any variances, applicable to those same customers during the period September 1, 2022 through August 31, 2023. The calculation of the proposed DRR charge applicable to small general service (Group 1) customers complies with the provisions of the 2018 Rate Case Stipulation and is consistent with the Commission's approval of CEOH's alternative rate plan in the 2018 Rate Case, requiring the calculation of this charge to be 130% of the residential DRR charge.

15. A redlined and clean revised tariff Sheet No. 45, Third Revised Page 1 of 1, which reflects the revised DRR charges, is included as Exhibit No. KJT-3 to the Direct Testimony of Katie J. Ticken.

WHEREFORE, CEOH respectfully requests that the Commission approve the DRR charges, approve the proposed Sheet No. 45, Third Revised Page 1 of 1, and grant all other necessary and proper relief.

Dated: April 29, 2022.

Respectfully submitted,

/s/ Christopher T. Kennedy

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ATTORNEYS FOR VECTREN ENERGY  
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**CERTIFICATE OF SERVICE**

I hereby certify that a courtesy copy of this Application and Attachments was served by electronic mail this 29th day of April 2022 to the following:

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/s/ Christopher T. Kennedy  
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Energy Ohio

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THE PUBLIC UTILITIES COMMISSION OF OHIO**

In the Matter of the Application of	)	
Vectren Energy Delivery of Ohio, Inc. d/b/a	)	
CenterPoint Energy Ohio	)	Case No. 22-0455-GA-RDR
for Authority to Adjust Its Distribution	)	
Replacement Rider Charges.	)	

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**DIRECT TESTIMONY OF**

**STEVEN A. HOOVER**

**REGIONAL DIRECTOR OF GAS ENGINEERING**

**ON BEHALF OF**

**VECTREN ENERGY DELIVERY OF OHIO, INC.**

**D/B/A CENTERPOINT ENERGY OHIO**

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**Direct Testimony of  
Steven A. Hoover**

**I. INTRODUCTION**

**Q1. Please state your name, business address and occupation.**

A. My name is Steven A. Hoover and my address is 211 NW Riverside Drive, Evansville, Indiana, 47708. I am employed by CenterPoint Energy Service Company, LLC (Service Company), a wholly owned subsidiary of CenterPoint Energy, Inc. (CenterPoint). The Service Company provided centralized support services to CenterPoint Energy, Inc.'s operating units, which includes Vectren Energy Delivery of Ohio, Inc. d/b/a CenterPoint Energy Ohio (CEOH or Company). I am the Regional Director of Gas Engineering for the Indiana/Ohio Region of CenterPoint. I have the same role with two other subsidiaries of CenterPoint - Indiana Gas Company, Inc. d/b/a CenterPoint Energy Indiana North (CEI North) and Southern Indiana Gas and Electric Company d/b/a CenterPoint Energy Indiana South (CEI South).

**Q2. What are your duties in your present position?**

A. I have responsibility for gas engineering and technical support for the natural gas utility operations of CEI North, CEI South, and CEOH. My specific responsibilities include gas transmission and distribution engineering, gas transmission project management, gas capital management, and gas geospatial systems.

**Q3. Please describe your work experience.**

A. I began my career with Vectren Corporation (Vectren) in 1993 as a plant engineer. I have held positions of increasing responsibility, including reliability engineer, performance engineer, production coordinator, engineering manager of gas distribution engineering for the southwest division, and chief engineer of gas engineering. I was Director of Gas and

Electric Engineering for Vectren just prior to becoming Regional Director of Gas Engineering for CenterPoint in 2019 following the merger of Vectren and CenterPoint.

**Q4. What is your educational background?**

A. I received a Bachelor of Science degree in Mechanical Engineering Technology from the University of Southern Indiana in 1990.

**Q5. Have you previously testified before this Commission?**

A. Yes. I testified in CEOH's 2017 Distribution Replacement Rider (DRR) proceeding, Case No. 17-1155-GA-RDR; 2018 DRR proceeding, Case No. 18-0762-GA-RDR; 2019 DRR proceeding, Case No. 19-1011-GA-RDR; 2020 DRR proceeding, Case No. 20-0101-GA-RDR; and 2021 DRR proceeding, Case No. 21-0491-GA-RDR.

**Q6. What is the purpose of your testimony in this proceeding?**

A. First, I will provide details on the progress of CEOH's accelerated bare-steel and cast-iron replacement program (the Replacement Program). I will discuss the status of pipe replacement and retirement, the costs incurred, and the benefits identified in 2021. I will discuss certain other issues, such as meter relocations and plastic pipe retirements, and how these are addressed within the Replacement Program. I will discuss the processes used to assess and award the construction work associated with the Replacement Program. In addition, I will discuss certain recommendations from the 2021 Capital Expenditure Program (CEP) / DRR audit and the steps CEOH has taken in response. I will conclude this section by discussing the plan for the Replacement Program in 2022 (2022 Replacement Plan).

The second portion of my testimony will discuss CEOH's experience with the change in service line ownership and responsibilities, which took effect in 2009, and CEOH's incremental investments in 2021 that resulted from this change.

The final portion of my testimony will discuss CEOH's calculation of operations and maintenance (O&M) savings for the 2021 investments, in accordance with the Stipulation approved in Case No. 13-1571-GA-ALT (the 13-1571 Stipulation) and the Stipulation approved in Case Nos. 18-0298-GA-AIR and 18-0299-GA-ALT (the 2018 Rate Case Stipulation).

**Q7. What Exhibits are you sponsoring in this proceeding?**

A. I am sponsoring the following exhibits:

- Exhibit No. SAH-1 – 2021 CEOH Replacement Program Progress
- Exhibit No. SAH-2 – 2021 CEOH Plastic Main Retirement Causes
- Exhibit No. SAH-3 – CEOH 2022 BS/CI Replacement Plan
- Exhibit No. SAH-4 – CEOH 2021 Service Replacement Cost Summary
- Exhibit No. SAH-5 – CEOH Service Replacement Unit Rates and Cost Allocations
- Exhibit No. SAH-6 – CEOH 2021 Service Replacement Work Order Detail & Cost Allocation
- Exhibit No. SAH-7 – CEOH Operating & Maintenance Savings Calculation
- Exhibit No. SAH-8 – CEOH 2021 Maintenance Expense - BS/CI & Service Line Ownership

**II. BARE-STEEL AND CAST-IRON REPLACEMENT PROGRAM INCLUDING INEFFECTIVELY COATED STEEL PROJECTS**

**Q8. Please provide a brief description of CEOH's Replacement Program.**

A. As of the end of 2021, CEOH had a total of approximately two hundred three miles of bare steel and twenty miles of cast iron main remaining in its system.<sup>1</sup> Going forward

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<sup>1</sup> Due to both the completion of retirements from the prior year and the continual updating of CEOH's GIS data, there are differences between the remaining mileage and retirement figures reported in 2014 through 2021.

through the completion of the program, CEOH plans to retire between sixty-five and seventy miles of bare steel or cast iron annually.

**Q9. How much bare steel and cast-iron infrastructure did CEOH retire in 2021 as part of the Replacement Program?**

A. In 2021, CEOH retired sixty-two miles under the Replacement Program, including fifty-eight miles of bare steel and four miles of cast iron mains for projects placed in service in 2021. This mileage is slightly more than the sixty-one miles of combined bare steel and cast iron planned for retirement in 2021 as discussed in my testimony in last year's filing. The small increase in mileage retired in 2021 reflected the completion of a few additional projects due to the availability of construction resources and lower actual costs on the originally planned projects. The amount of plastic main interspersed and retired with the bare steel and cast iron projects was about eight miles as opposed to the five miles estimated for 2021. CEOH also retired 6,037 service lines associated with the bare steel and cast iron projects, with 5,620 of those being replaced or partially replaced for projects placed in service in 2021.

**Q10. When does CEOH expect to complete the retirement of its remaining bare-steel and cast-iron assets?**

A. As discussed in the 2021 DRR proceeding, CEOH anticipates completing the retirement of its remaining bare-steel and cast-iron assets sometime after 2023. As discussed in my testimony in the 2021 DRR proceeding, various factors are extending the completion of the Replacement Program. In its 2018 Rate Case Application, CEOH requested an extension of the Replacement Program and the DRR for six years to cover investment from January 1, 2018 through December 31, 2023. The same extension is reflected in the 2018 Rate Case Stipulation. While CEOH continues to exercise its best efforts to maintain a pace of replacement to complete the Replacement Program as soon as

practicable, based on the various factors described in more detail below, the Company currently projects the completion of the Program will occur in 2025. In accordance with the 2018 Rate Case Stipulation, because CEOH's authority to recover the costs of the Replacement Program via the DRR terminates with investments made after December 31, 2023, the Company expects to seek an extension of the Replacement Program beyond 2023 and intends to file such application with the Commission pursuant to R.C. 4929.05 in calendar year 2022. The Company intends to confer with Staff prior to filing any such application.

As indicated above and discussed in the 2021 DRR proceeding, several factors have affected the completion of the Replacement Program by 2023. Specifically, they are:

- 1) Increasing replacement costs driven by more projects being completed in non-rural areas with higher restoration costs associated with extensive pavement in the work areas and municipal mandates related to the repair or replacement of roadways and sidewalks. As these costs increase and further mandates are imposed on CEOH and its contractors, CEOH will be constrained by its capital budget in its efforts to replace the targeted miles annually.
- 2) The identification of additional bare steel mains as the Replacement Program and other project work is executed and on-going review of historical records and maps. CEOH continues to find aging pipe beyond what is indicated in its historical project records as it completes work in its Replacement Program and continues its Distribution Integrity Management Program. As described in the 2021 DRR, the total estimated amount of bare steel in the CEOH systems increased from two hundred

three miles at the end of 2019 to two hundred fifty-one at the end of 2020, despite the retirement of forty-nine miles of bare steel main in 2020. This was due to additional historical work order and geographic information system (GIS) analysis, which resulted in the inclusion of several miles of bare-steel main primarily consisting of newly identified shorter, scattered isolated segments. The estimated amount of remaining cast iron decreased from fifty-nine miles in 2019 to thirty miles in 2020 – eight miles due to construction retirements and twenty-one miles due to the GIS reconciliation and analysis.

Reconciliation analysis of bare steel and cast iron retirement mileage in 2021 and GIS data indicated only a thirteen mile difference between expected remaining mileage based on project retirements and GIS-indicated remaining mileage.

- 3) COVID-19 pandemic impacts discussed in the 2021 DRR filing delayed some work in 2020. While the impact of COVID work constraints was less than anticipated at the beginning of 2020, some final project completion was delayed to later in 2020 and early 2021 resulting in a slower start to planned 2021 projects.

**Q11. Were there any other factors that affected the pace of replacement in 2021?**

- A. Yes. In July 2021, the Company migrated to the SAP Enterprise Asset Management system, which is used by other CenterPoint Energy affiliates. Previously, the Company utilized legacy systems: the Maximo work management and Oracle financial applications. Operating on the same platform of technology applications allows the Company to share best practices and leverage standards with other CenterPoint affiliates. Additionally, corporate functions including finance, human resources, and IT are able to efficiently consolidate reporting, analyze performance, and drive towards common objectives. However, the conversion to the new work management system mid-year

caused some inefficiencies and delays in the short term as the Company's personnel and vendors adjusted to new processes for work assignments, the analysis and reporting of work order data, and the closing of work orders. In addition, because the legacy Maximo and Oracle applications were active through the first half of 2021 and SAP was used during the second half of 2021, data analysis and reporting were required from two separate systems. The Company does not believe that these conversion issues will materially affect the pace of replacement in 2022.

**Q12. How much did CEOH invest in the Replacement Program in 2021?**

A. As identified by CEOH witness Chrissy M. Behme, the Replacement Program investment for bare steel, cast iron, and ineffectively coated steel projects placed in service in 2021 was \$58,504,939. Exhibit No. SAH-1 provides a detailed list of bare steel, cast iron, and ineffectively coated steel projects placed in service under the Replacement Program in 2021, the costs of each project as of December 31, 2021, and the amount of pipe (main footage and number of service lines) retired and replaced. For some projects placed in service in 2021, additional trailing charges (such as restoration costs) will be incurred in 2022. These costs will be included in a future DRR filing.

**Q13. Were any of the projects completed as part of the Replacement Program in 2021 the result of a public improvement project?**

A. Yes. Twenty-six bare-steel and cast-iron projects included in the 2021 Replacement Program originated as the result of public improvement projects. Project groups V-1010, V-1184, V-1200, V-1209, V-1226, V-1280, V-1285, V-1463, V-1464, V-1465, V-1494, V-1533, V-2066, V-2442, V-2490, V-2491, V-2497, V-2507, V-2696, V-2698, V-734, V-748, V-829, V-832, V-936, and V-972 (the Public Improvement Projects) are identified in the list of completed projects in Exhibit No. SAH-1.

**Q14. The Stipulation approved in Case No. 13-1571-GA-ALT provided that CEOH may recover the costs of replacing segments of pipe where CEOH's pipe is in a public right-of-way and the Company is required to relocate its facilities at the request of a governmental entity, provided the plastic pipe being relocated is less than or equal to 25% of the total footage relocated. Was the footage of plastic pipe retired on each of the Public Improvement Projects less than or equal to 25% of the total footage of those government projects?**

A. No. The footage of plastic pipe retired on twenty of the twenty-six projects was less than 25% of the total footage relocated on these projects. The plastic pipe retired on six of the projects – V-1184, V-1200, V-1226, V-1463, V-1465, and V-832 – was more than 25% of the total footage of the public improvement projects. The specific footage retired on the projects may be found in Exhibit No. SAH-1.

**Q15. Why did the footage on six of the Public Improvement Projects exceed the 25% threshold?**

A. The plastic main retired as part of project groups V-1184, V-1200, V-1226, V-1463, V-1465, and V-832 was 83%, 26%, 77%, 59%, 30%, and 36%, respectively, of the total main retired. CEOH assesses and uses the most cost-effective methods to complete all replacement projects. While it is not typical for the percentage of plastic main retired with a Public Improvement Project included in the Replacement Program to exceed 25% of the total main retired, there are circumstances where it is less costly to retire plastic main than attempt to salvage it for ongoing service. For Project V-1184, the existing six-inch plastic main was retired because it was originally constructed with mechanical couplings which leaked during the test to establish a new operating pressure. In addition, existing plastic four-inch and three-inch main on this project was retired due to it being under the pavement in conflict with the public project. Project V-1465 required the installation of new main and subsequent retirement of the existing plastic main because the existing one-way supply could not be taken out of service and tested



without resulting in multiple customer outages. For Projects V-1200, V-1226, V-1463, and V-832, the plastic mains were retired to remove conflicts with the public project and facilitate installation of excess flow valves on the services impacted by the public project. It was determined to be less costly to retire and replace most of the plastic main than to leave short segments in place for reconnection to the new plastic main installed to replace the bare steel mains in conflict with the public improvement project. Leaving more of the plastic main in place would have resulted in additional costs associated with more complicated piping connections, installation of excess flow valves under pavement, and more extensive restoration.

**Q16. Is CEOH seeking recovery of the amount in excess of the 25% threshold in its proposed DRR rate as part of this application?**

A. No. CEOH has reduced the requested cost recovery for the six projects by using the cost per foot of total retired main for each project multiplied by the quantity of retired plastic main in excess of the 25% threshold. This calculation is consistent with CEOH's excluded amounts agreed to within the 2021 DRR proceeding, Case No. 21-0491-GA-RDR. The cost attributed to the plastic main footage greater than 25% of the total retirement on each of these project groups is as follows:

V-1184	\$877,100
V-1200	\$23,100
V-1226	\$433,700
V-1463	\$212,000
V-1465	\$28,900
V-832	\$122,200

As noted within the exhibits presented by CEOH witnesses Chriss M. Behme and Katie J. Tieken, CEOH has reflected these adjusted amounts in its Revenue Requirement and its proposed DRR rates.

**Q17. What total quantity of plastic main did CEOH retire as part of the Replacement Program in 2021?**

A. CEOH retired a total of 48,444 feet of plastic main within the replacement projects completed in 2021. Exhibit No. SAH-2 provides a brief description of the cause of retirement of plastic for each applicable project. As discussed in CEOH's 2018 Rate Case and past DRR annual updates, the primary reasons for the retirement of plastic mains are listed below:

- Short segments of plastic main existed within the bare-steel or cast-iron systems. It would have been more costly to attempt to salvage these segments than to replace them;
- Sections of plastic main at the ends of distribution systems were retired because those segments no longer served any customers and there was no reason to continue to maintain them;
- Sections of plastic main that were intended to be reused failed pressure tests and needed to be replaced;
- Segments of plastic mains were interspersed with bare steel replacement completed as part of public improvement projects where it was necessary to relocate both the bare steel and plastic segments; and
- To facilitate the installation of excess flow valves on service lines and avoid excavation and restoration of streets, it was also necessary to retire and relocate some plastic mains to areas behind curb lines.

**Q18. The Stipulation approved in Case No. 13-1571-GA-ALT provided that CEOH may recover the costs of replacing and retiring individual segments of plastic pipe that exceeded certain diameter and length criteria, unless it is shown that it was less**

**economical to replace the segment than to tie it in. Did any segments of plastic pipe exceed the criteria provided in the Stipulation?**

A. Yes. Exhibit No. SAH-2 identifies the plastic pipe retired on each project (where applicable) and identifies the length of the longest individual segment retired. CEOH completed no projects in which segments of 2-inch plastic pipe longer than the applicable criterion of 435 feet were retired, sixteen projects in which segments of 4-inch or 3-inch plastic pipe longer than the applicable criterion of 365 feet were retired, and six projects in which a segment of 6-inch plastic pipe longer than the applicable criterion of 250 feet, for a total of twenty-two projects that exceeded diameter and length criteria.

**Q19. Was it more economical to replace the segments that both exceeded diameter and length criteria of the Stipulation, and were associated with the projects involving pipeline replacements than to tie them into the existing system?**

A. Yes. Projects V-1184, V-1200, V-1226, V-1463, V-1465, and V-832 had segments of existing plastic main in conflict with public road and sewer improvements. Those segments were retired to mitigate the conflict, and in some cases, it was necessary to install new main outside of the project area. Some of the public projects are also included below where other circumstances reinforced the need and cost effectiveness of replacing the plastic main segments.

Project V-2062 determined to contain Aldyl-A or other vintage plastic pipe segments which were replaced due to leak risks. Project V-1184 was associated with a public project and had sections of existing plastic main and service lines to be pressure tested for operation at a higher pressure and failed the required pressure test due to mechanical couplings on the main. Specific leak locations could not be readily identified and it was more cost effective to replace the plastic segment than to locate and remediate the leaks. The additional 6" plastic retired on project V-1273 was due to both 1980's

vintage pipe segments and mechanical couplings on the main which typically fail required pressure tests. V-1280 additional segments were retired due to water in the main. Projects V-1463, V-1465, V-1533, V-2378, and V-956 required the installation of new main and subsequent retirement of the plastic main because the existing one-way supply could not be taken out of service and tested without resulting in multiple customer outages. Segments of plastic main in Projects V-1200, V-1340, V-1463, V-1986, V-2107, V-2483, V-2493, V-734, V-748, V-832, and V-946 were retired because the existing mains were located in the street where the cost of relocating the main to between the curb and sidewalk was less than the cost of installing excess flow valves on services located in the street and restoring the affected roadway. V-1494 and V-1864 segments were retired because the existing plastic main was entirely abandoned when services were relocated to the existing medium pressure system in the area.

**Q20. Did CEOH move any meters outside as part of the Replacement Program?**

A. Yes. CEOH moved 3,985 meters outside in 2021 as part of the bare steel and cast iron and ineffectively coated steel replacement projects. Because the newly installed mains operate at a higher pressure (requiring the installation of a service regulator), the cost associated with moving the meters outside was less than if the meter remained inside and the necessary service regulator was installed outside. In addition to better utilization of CEOH's capital, moving the meters outside will improve operational efficiency associated with future meter order work and will eliminate the need for inside atmospheric corrosion inspections. CEOH has employed this meter move-out approach since the Replacement Program was first implemented.

**Q21. Does CEOH believe that the Replacement Program is achieving or will achieve the expected benefits?**

A. Yes. CEOH expects to continue to experience improved service reliability and safety through the reduction of leakage and the replacement of the mains and service lines that contribute most to system leaks. Proactive replacement of this pipe, moving meters outside, and retiring the older assets will also drive workforce efficiencies. Customers and property owners will experience a reduction in the number and frequency of disturbances and inconveniences (such as leak repair, service interruptions, etc.) as the older sections of main are retired. Through the Replacement Program and DRR, CEOH has been able to repair, on average, five to six class 2 and class 3 leaks per mile per year for every year of the program. Additionally, as quantified below, there are active leaks and meter orders that will be eliminated as a result of replacing bare steel and cast iron infrastructure. Reducing active leaks is necessary to address lost and unaccounted for gas. CEOH also expects long-term benefits in terms of reduced impacts on the communities where public infrastructure improvements may occur after these projects are completed. Finally, elimination of leaks that are more common on bare-steel and cast-iron mains positively impacts the environment through reduction of greenhouse gas emissions.

**Q22. What operational benefits did CEOH achieve as a result of the Replacement Program in 2021?**

A. CEOH has achieved several operational benefits as a result of the Replacement Program:

- The replacement of bare-steel and cast-iron infrastructure reduces active leaks in CEOH's system, is expected to reduce the occurrence of future leaks and leak repair work, and will reduce interruptions, inconveniences, and disturbances to customers. Specifically, the replacement of bare-steel and cast-iron infrastructure from 2021 has

allowed CEOH to eliminate 265 active leaks on the affected assets, 63 of which would have required a more immediate and less efficient repair.

- Over the past ten years, the Company has experienced an average of 350 asset condition related meter orders on the types of assets that were replaced in 2021. CEOH will experience a reduction in the number of these meter orders (Outside Gas Leak, Gas Emergency, Water in Line, and No Gas orders) through the retirement of bare-steel and cast-iron infrastructure.
- CEOH moved 3,985 inside meters outside as part of the bare steel and cast iron and ineffectively coated steel projects. This will eliminate the requirement for a separate atmospheric corrosion check.
- Certain system components, such as the 187 drips used to remove water from low-pressure mains, that had been used to address issues associated with assets in poor condition have been eliminated in 2021.
- Additional operational efficiencies resulting from the retirement of regulator stations, valves, casings, test stations for cathodic protection, and reduced frequency of leak surveys.

Ultimately, these types of improvements provide reliability and safety benefits to CEOH's customers, as well as property owners who live in the vicinity of the replacement projects.

**Q23. Did CEOH derive cost savings for the 2021 replacement projects?**

- A. Yes. CEOH calculated 2021 O&M savings associated with the DRR investments consistent with the 13-1571 Stipulation and the 2018 Rate Case. This topic will be discussed later in my testimony.

**Q24. Were the construction projects within the 2021 Replacement Program competitively bid?**

A. Yes.

**Q25. How were the bid packages organized, bid, and awarded?**

A. Based on the geographical location of the projects, CEOH divided the planned 2021 projects into thirty-three bid packages of which thirty-three were awarded. All contractors were allowed to bid on any of the thirty-three packages, but were not required to bid on all packages. Each bid package was independently evaluated.

Eleven different construction contractors were invited to provide bids for the work. Information was provided on each project, and contractors had an opportunity to ask questions about the work to be performed and the bids to be submitted. Each contractor was provided with copies of drawings for all the projects and given time to visit the project sites prior to submitting bids.

Seven contractors submitted bids based on unit pricing; that is, a fixed price for a given unit of work to be performed. CEOH used the unit prices and the estimated work units for each project to create comparative cost estimates. These comparative estimates were then summarized for each bid package. Each package was evaluated based on overall cost and the contractor's capacity. If a contractor submitted bids on several projects, the contractor's capacity was evaluated to ensure that the potential award did not exceed their capacity. CEOH awarded contracts to six of the contractors that provided bids.

CEOH continues to solicit and aid potential contractors to become qualified and submit bids on DRR projects.

**Q26. What is CEOH's replacement plan for 2021?**

A. CEOH's planned replacement projects for 2022 are identified in Exhibit No. SAH-3. In 2022, CEOH plans to spend approximately \$64 million on bare-steel and cast-iron projects, retiring approximately sixty-seven miles of bare-steel and cast-iron main, along with the bare-steel service lines served from those mains. An estimated six miles of interspersed plastic main included in the projects results in a total approximate retirement of seventy-three miles of combined bare-steel, cast-iron, and plastic mains. As was the case in 2021, CEOH reserves the right to modify the plan as necessary, including to accommodate higher priority projects as circumstances may change throughout the year.

**Q27. Is CEOH also planning on replacing some ineffectively coated steel pipelines in its 2021 Replacement Program?**

A. Yes. In 2022, CEOH plans to spend approximately \$11 million under the Replacement Program to replace about eleven miles of ineffectively coated steel mains and associated services. A list of these projects can be found in Exhibit No. SAH-3.

**III. SERVICE LINE RESPONSIBILITY**

**Q28. How does CEOH view the transition to service line responsibility?**

A. CEOH continues to view the transfer of service line responsibility to the Company as a positive for both the Company and its customers. In general, CEOH's assumption of service line responsibility has been a benefit to its customers. Customers no longer are required to schedule the services of a plumber to repair or replace their service line, minimizing inconvenience and out of pocket costs for customers. CEOH's response times to leak calls and its repair activities reduce the amount of time customers are out of service, which also aligns with Ohio's minimum gas service standards. The Company's ability to adjust to an ever-changing schedule to meet the needs of customers has also



1 been a benefit. Confusion over customer responsibility for the service line has been  
 2 essentially eliminated because there is now a clear delineation of responsibility between  
 3 the customer and CEOH. CEOH continues to respond to numerous leak calls, many on  
 4 bare steel or ineffectively coated steel service lines that have required replacement.  
 5 Because CEOH (and its customers) have a significant number of aged service line assets,  
 6 the annual amount of service line replacements is significant and will remain so for the  
 7 foreseeable future.

8 **Q29. Does CEOH continue to experience incremental costs as a result of assuming service**  
 9 **line responsibility?**

10 **A.** Yes. CEOH continues to repair a number of gas leaks on the portion of the buried service  
 11 line and the above-ground meter setting that had previously been maintained by the  
 12 customer. Incremental capital replacement costs related to service line responsibility are  
 13 included in the DRR revenue requirement supported by CEOH witness Behme. The  
 14 incremental O&M expenses will be discussed later in my testimony.

15 **Q30. Has CEOH devoted incremental investment to the replacement of service lines?**

16 **A.** Yes. When CEOH assumed responsibility for the replacement of service lines, which  
 17 includes the portion of the service line beyond the curb valve (formerly the customer's  
 18 responsibility for installation or replacement), it began incurring incremental investments.

19 **Q31. Can you explain how CEOH identified its actual incremental service line costs?**

20 **A.** Yes. The first step identified portions of the service line representing incremental  
 21 investment for CEOH. Figure 1 below is a drawing of a standard service line. The entire  
 22 service line runs from the main to the meter setting, and the drawing shows the three  
 23 distinct segments of the line: the portion from the main to the curb valve; the portion  
 24 from the curb valve to the meter; and the meter setting.

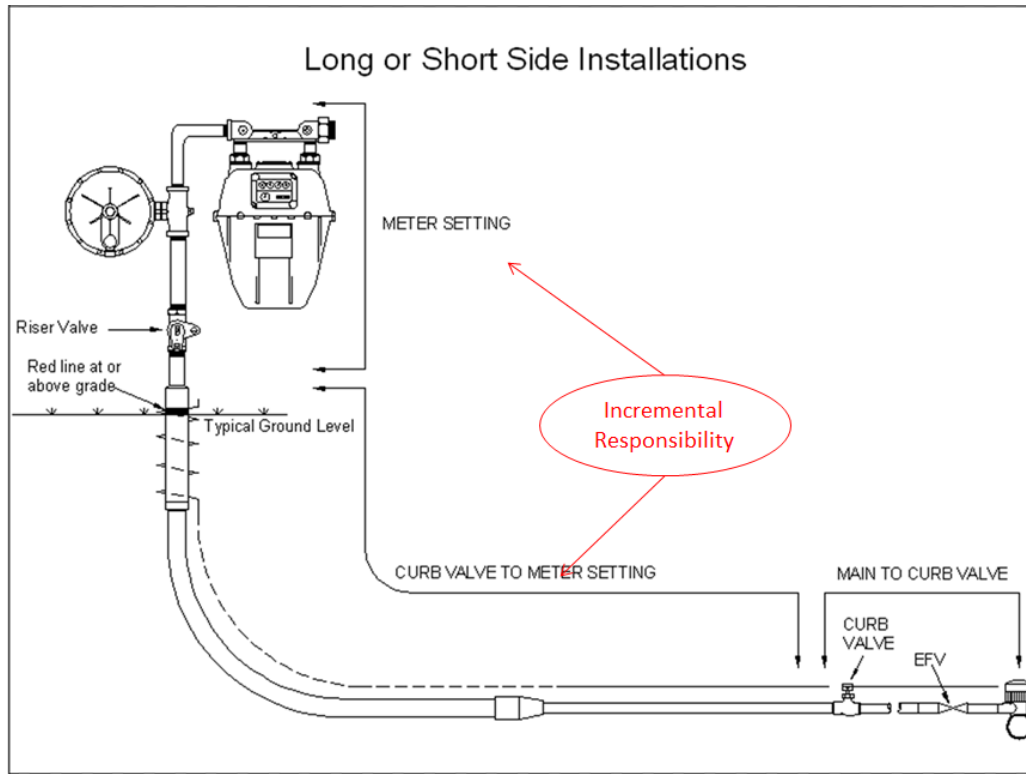


Figure 1: Standard Service Line Installation

**Q32. What types of service line replacements does CEOH perform, and which replacements represent incremental investment?**

A. There are four types of service line replacements that CEOH may perform, which correspond to the service line and individual segments described above.

- 1) A Main to Meter replacement means the entire service line is replaced from the connection at the main, upstream of the curb valve, to the outlet side of the meter setting. Only a portion of this type of replacement is incremental, namely, from the curb valve to the outlet of the meter setting.
- 2) A Main to Curb Valve replacement replaces the service line from the connection at the main to the outlet side of the curb valve and is *not* an incremental investment.
- 3) A Curb Valve to Meter Setting replacement replaces the service line from the outlet side of the curb valve to the inlet side of the meter setting and is entirely incremental.

Prior to CEOH's assumption of responsibility for service lines, the customer would have borne the cost for this type of replacement.

- 4) A Meter Setting replacement replaces the service from the inlet side of the meter setting through the meter bar to the connection with the customer's fuel line and is entirely incremental. Prior to CEOH's assumption of responsibility for service lines, the customer would have borne the cost for this type of replacement.

**Q33. Not including service lines that were part of Replacement Program projects, how many service lines did CEOH replace in 2021, and what segments of the line were replaced?**

- A. In 2021, CEOH replaced all or part of 1,158 service lines. This represents a decrease from 2020. The breakdown of service replacement types is as follows:

Service Line Replacement Type	Quantity
Main to Meter	849
Curb to Meter	146
Meter Set Replacement	110
Main to Curb	53
<b>Total</b>	<b>1,158</b>

CEOH invested \$8,306,844 in the replacement of these service lines.

**Q34. What caused the number of service replacements in 2021 to decrease compared to prior years?**

- A. Primarily, the identification of leaks leads to the replacement of services. Progression of the Replacement Program eliminates many leak-prone services as the bare steel and cast iron systems are replaced. In addition, CEOH dedicated resources to repairing class 3 leaks in previous years, reducing the number of remaining or new leaks which resulted in fewer service lines being replaced in 2021. The previously described conversion to a new work management system conversion and the exiting of a contractor also reduced the number of service replacements completed in 2021.

**Q35. Is only a portion of the \$8,306,844 invested in the replacement of service lines an incremental investment?**

A. Yes. Because many of the replacements involved the Main to Curb Valve portion of the service line, only a portion of this investment is incremental. Exhibit No. SAH-4 provides a summary of the 2021 investments in service line replacements, identifying both the incremental and non-incremental investments by replacement type. In 2021, CEOH's incremental investment in service line replacements was \$3,640,664.

**Q36. How did CEOH identify 2021 incremental investment in service line replacements?**

A. CEOH identified incremental investment with a detailed review of service line work orders, through which it determined both how many orders pertained to the various segments of the service line (Main to Meter Setting, Main to Curb Valve, Curb Valve to Meter Setting, or Meter Setting) and how much of the investment should be considered fully incremental, partially incremental, or non-incremental.

**Q37. How did CEOH identify and differentiate the work orders in question?**

A. CEOH queried its work management system for all service replacement work orders completed between January 1, 2021, and December 31, 2021, and compiled them into a single table in an Excel spreadsheet. It then reviewed each order and identified the type of service replacement as being one of the following: Main to Meter, Main to Curb Valve, Curb Valve to Meter, or Meter Setting replacements. This allowed CEOH to identify whether the service line investment was fully incremental, partially incremental or not incremental. In 2021, this required the review of work orders for the first half of the year in the now-retired Maximo work management system and in SAP for the latter half of the year.

**Q38. How did CEOH identify the value of the investment associated with each replacement?**

A. CEOH used information on each service replacement (primarily work type, length, size and material) to determine which costs were applicable to each work order.

**Q39. How did CEOH determine the applicable costs?**

A. Costs for service replacement work are generally based on pre-defined unit rates for certain activities, such as a cost per foot installed, cost per meter setting installed, and cost for sewer locates. CEOH determined the applicable unit rates by manually reviewing and identifying the cost categories associated with each job and identifying which costs were applicable to which type of service replacement for the first half of 2021. For example, hard surface removal and restoration is applicable to most Main to Meter and Main to Curb Valve replacements (older mains are generally under pavement), but not to Curb Valve to Meter and Meter Setting replacements (which are generally under lawns). In CEOH's review, it also distinguished between fixed and variable costs and allocated them accordingly. However, because the new work management system does not currently provide same level of detail for surface restoration requirements, a two-year historical average (2019-2020) was used to determine applicable costs.

**Q40. Do the exhibits to your testimony identify each cost type and how it was allocated?**

A. Yes. Exhibit No. SAH-5 is a table identifying how each of the various cost types is allocated to each of the different service replacement types.

**Q41. How did CEOH use this methodology to determine the incremental amount of service line investment in 2021?**

A. Having identified the applicable unit rates, fixed and variable costs, and appropriate allocations, CEOH applied them to each service replacement work order to determine the incremental and non-incremental portion of each investment. Exhibit No. SAH-6

provides a listing of each service line replacement work order with its applicable costs, identifying the incremental and non-incremental investments on each service line replacement. The summary of the individual service order costs is included in Exhibit No. SAH-4.

**Q42. Is the methodology described above the same methodology that was used and approved as part of CEOH's filing for recovery of prior costs?**

A. Yes. CEOH used this same methodology, which was approved during the DRR filings seeking cost recovery for calendar years starting in 2013 through the most recent period.

**Q43. Is CEOH planning additional investment in the replacement of service lines in 2022 over what it invested in 2021?**

A. Yes. CEOH initially planned to invest approximately \$18 million in 2021. However, a couple of factors reduced the quantity of service lines the Company replaced in 2021 and the resulting total investment in this activity. These factors were the conversion of work management systems which impacted the Company's ability to efficiently identify and assign service replacement work mid-year following the system change and the exiting of one of the construction contractors late in 2021 due to performance issues. The Company plans to invest approximately \$17 million in 2021 to address service line replacements that were deferred in 2021 and return to pre-pandemic levels of class 3 service leak replacements levels.

#### **IV. OPERATING AND MAINTENANCE SAVINGS**

**Q44. Has CEOH calculated any O&M savings associated with the 2021 DRR investments?**

A. Yes. Consistent with the 2018 Rate Case, the O&M savings from the retirement of bare-steel and cast-iron through 2017 is reflected in the base rate case test year expenses. In addition, consistent with the 13-1571 Stipulation and the 2018 Rate Case, CEOH has

calculated the O&M savings for the 2018 DRR investments based on a credit of \$5,882 per mile of bare-steel and cast-iron main retired for the Replacement Program period from January 1, 2021 through December 31, 2021. This calculation resulted in a cumulative O&M Savings Credit of \$1,320,803 (224.55 miles in 2018 through 2021 times \$5,882). See Exhibit No. SAH-7 for the calculation of this savings credit.

**Q45. Did CEOH also calculate actual O&M savings in 2021 compared to a baseline amount?**

A. Yes. The 13-1571 Stipulation also required CEOH “to calculate actual O&M savings by comparing actual O&M costs to the O&M baseline established in the 2007 Rate Case and used in previous annual DRR filings.” CEOH in its 2018 Rate Case agreed to continue performing this calculation in future DRR proceedings, in conjunction with the extension of the Replacement Program and the DRR. The only difference is that the baseline for this Application and future DRR applications will be the baseline established in the 2018 Rate Case. In this Application, CEOH compared the maintenance expense incurred in 2021 with the baseline maintenance expense amount of \$1,191,604 reflected in the 2018 Rate Case. The actual comparable maintenance expenses in 2021 were \$502,373, resulting in a cumulative savings against the baseline of \$689,230. This amount is broken into expense reductions attributable to mains of \$597,493 and expense reductions attributable to service lines, now owned or maintained by CEOH, of \$91,737 for a total savings of \$689,230. Additionally, CEOH experienced a decrease in maintenance expenses of \$130,241 for those service lines that are not bare steel. Exhibit No. SAH-8 provides the actual 2021 maintenance expenses and a comparison against the baseline expense amount. Additionally, this exhibit provides a breakdown of the maintenance expenses between mains and services.

1   **Q46. What amount of O&M savings does CEOH propose to include as a credit in this**  
2   **DRR filing as a result of the 2019 Replacement Program?**

3   A.    Because the O&M Savings Credit is greater than the savings reached under the baseline-  
4       comparison method, CEOH will apply the credit of \$1,320,803.

5   **V. CONCLUSION**

6   **Q47. Does this conclude your direct testimony?**

7   A.    Yes.



2021 CEOH Replacement Program Progress

Exhibit No. SAH-1

CEOH

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								Mains					Services		Actual Meter Move-Outs	
A	B	C	D	E	F	G	H	I	J	K	L	J+K+L	O	P	R	S
Work Order (Oracle) Number	SAP	In Service Date	Category	Group#	City	Public Imp?	Utility Plant Additions <sup>(1)</sup> (Total To-Date Actual Cost)	Main Installed (Feet)	Total BS and Other Types Retired (Feet)	Total CI Retired (Feet)	Total PL Retired (Feet)	Total Main Retired (Feet)	Total # Services Installed	Total # Services Retired	Total # Meter Move-Outs	Total # Meter Installations Retired
17046903052218	98784401	8/17/2021	BSCI	V-1010	DAYTON-CN	Yes	\$1,068,151	9,952	7,301	0	0	7,301	207	212	153	153
18048203052210	98785481	11/23/2021	BSCI	V-1028	BELLEFONTAINE		\$455,842	6,126	4,540	0	1,625	6,165	75	77	18	18
19046803052216	98785244	5/20/2021	BSCI	V-1174	DAYTON-DW		\$518,963	3,317	3,942	0	0	3,942	25	49	26	26
14046803052219	98783481	7/16/2021	BSCI	V-1184	DAYTON-DW	Yes	\$1,505,983	9,976	1,160	0	5,760	6,920	131	173	110	110
19046803052222	98785986	10/15/2021	BSCI	V-1191	DAYTON-DW		\$342,026	4,130	3,085	0	0	3,085	37	49	17	17
17046803052217	98784404	5/24/2021	BSCI	V-1200	DAYTON-DW	Yes	\$1,562,837	7,892	4,335	220	1,640	6,195	98	143	57	57
16046903052217	98783955	1/22/2021	BSCI	V-1209	DAYTON-CN	Yes	\$534,018	3,816	6,780	0	115	6,895	34	42	14	14
19046903052213	98785250	3/16/2021	BSCI	V-1211	DAYTON-CN		\$1,423,056	9,567	8,345	0	565	8,910	116	149	72	72
14046903052223	98783476	4/28/2021	BSCI	V-1226	DAYTON-CN	Yes	\$838,917	4,395	350	900	4,114	5,364	37	44	32	32
18046903052220	98785502	4/13/2021	BSCI	V-1273	KETTERING-CN		\$777,869	6,169	5,035	290	1,785	7,110	79	80	73	73
19046903052214	98785065	7/19/2021	BSCI	V-1276	KETTERING-CN		\$954,981	9,035	9,490	0	180	9,670	87	88	70	70
20046903052216	98789201	10/14/2021	BSCI	V-1280	OAKWOOD	Yes	\$688,097	2,369	0	1,970	425	2,395	16	16	16	16
19046903052217	98785074	5/14/2021	BSCI	V-1285	DAYTON-CN	Yes	\$1,426,199	12,227	8,988	0	0	8,988	224	225	185	185
16046603052210	98783957	9/10/2021	BSCI	V-1303	KETTERING-FA		\$1,001,172	5,350	5,270	0	145	5,415	108	108	144	144
18046903052223	98785839	11/10/2021	BSCI	V-1317	KETTERING-CN		\$372,573	2,993	2,637	0	0	2,637	34	34	12	12
16046903052221	98783958	8/24/2021	BSCI	V-1321	OAKWOOD		\$723,703	4,950	2,820	0	195	3,015	74	74	98	98
19046903052217	98785093	10/8/2021	BSCI	V-1325	KETTERING-CN		\$1,233,321	6,933	6,900	0	0	6,900	187	189	155	155
15046903052214	98783909	7/26/2021	BSCI	V-1335	GERMANTOWN		\$984,973	7,483	7,203	0	269	7,472	157	159	55	55
19048103052210	98785100	4/13/2021	BSCI	V-1340	PIQUA		\$1,483,252	6,913	5,274	0	639	5,913	102	113	43	43
19048103052212	98785105	4/6/2021	BSCI	V-1463	VERSAILLES	Yes	\$626,142	3,607	1,685	0	2,410	4,095	46	47	17	17
19048103052213	98785239	9/30/2021	BSCI	V-1464	VERSAILLES	Yes	\$835,062	4,907	5,129	0	1,110	6,239	91	92	34	34
19048103052214	98785251	5/27/2021	BSCI	V-1465	VERSAILLES	Yes	\$619,409	2,790	2,901	0	1,223	4,124	73	74	26	26
19048103052217	98785989	3/30/2021	BSCI	V-1494	TROY	Yes	\$737,046	4,716	5,914	0	859	6,773	91	91	77	77
14046903052226	98783477	11/9/2021	BSCI	V-1511	DAYTON-CN		\$836,792	10,999	5,531	0	97	5,628	167	168	169	169
19046603052210	98785366	8/3/2021	BSCI	V-1533	XENIA	Yes	\$741,275	6,835	7,178	0	874	8,052	122	125	80	80
19046803052217	98785374	8/5/2021	BSCI	V-1858	EATON		\$720,425	4,234	6,360	0	486	6,846	62	66	7	7
19048203052212	98785507	6/18/2021	BSCI	V-1864	BELLEFONTAINE		\$218,689	660	1,065	0	1,155	2,220	22	23	11	11
18048203052213	98785500	11/24/2021	BSCI	V-1871	RUSSELLS POINT		\$956,559	6,119	5,140	0	1,335	6,475	104	107	1	1
18048103052210	98785837	12/7/2021	BSCI	V-1884	GREENVILLE		\$850,962	6,605	7,548	0	478	8,026	127	130	45	45
16048103052218	98783959	8/13/2021	BSCI	V-1887	NEW MADISON		\$181,546	1,744	2,975	0	80	3,055	14	14	1	1
19048103052215	98785075	2/4/2021	BSCI	V-1986	PIQUA		\$599,495	4,373	2,427	0	2,108	4,535	63	67	27	27
20046803052226	98785429	12/28/2021	BSCI	V-2062	DAYTON-DW		\$277,891	5,932	3,290	360	1,745	5,395	74	97	36	36
15046603052228	98783923	5/24/2021	BSCI	V-2066	DAYTON-FA	Yes	\$978,689	8,513	5,615	0	460	6,075	163	163	33	33
19048103052216	98785085	6/21/2021	BSCI	V-2107	BRADFORD		\$885,300	7,175	6,014	0	998	7,012	124	129	0	0
17048203052212	98784390	12/29/2021	BSCI	V-2120	BELLEFONTAINE		\$444,820	2,905	4,820	0	260	5,080	22	22	3	3
20046903052231	98785701	8/24/2021	BSCI	V-2127	DAYTON-CN		\$245,561	847	3,757	0	59	3,816	43	43	75	75
18046803052217	98785831	6/11/2021	BSCI	V-2378	DAYTON-DW		\$709,633	5,928	5,235	425	760	6,420	66	80	35	35
18046903052227	98785833	2/20/2021	BSCI	V-2397	DAYTON-CN		\$621,997	3,757	5,425	0	40	5,465	78	94	11	11
17046903052238	98784414	8/24/2021	BSCI	V-2419	OAKWOOD		\$480,784	2,367	170	0	255	425	51	51	49	49
18046903052212	98784980	9/14/2021	BSCI	V-2436	DAYTON-CN		\$445,771	6,023	3,761	0	160	3,921	66	66	58	58
19046603052212	13101111	1/13/2021	BSCI	V-2442	DAYTON-FA	Yes	\$349,144	2,935	2,485	0	0	2,485	44	46	33	33
20048203052213	98786056	9/28/2021	BSCI	V-2461	RUSSELLS POINT		\$244,939	1,083	1,060	0	380	1,440	7	8	0	0
19046803052218	98785252	7/21/2021	BSCI	V-2462	DAYTON-DW		\$300,090	976	655	505	260	1,420	14	21	8	8
19046903052210	98786215	1/19/2021	BSCI	V-2483	OAKWOOD		\$645,487	5,273	5,851	0	1,480	7,331	36	36	18	18
20046603052210	98786549	8/2/2021	BSCI	V-2490	FAIRBORN	Yes	\$2,633,720	14,120	14,515	0	0	14,515	24	24	7	7
19046803052219	98785375	5/21/2021	BSCI	V-2491	DAYTON-DW	Yes	\$487,449	2,320	4,550	0	0	4,550	66	86	11	11
19046903052212	98784153	1/28/2021	BSCI	V-2493	DAYTON-CN		\$668,514	4,190	830	740	650	2,220	89	91	64	64
19046803052220	98785384	1/28/2021	BSCI	V-2497	DAYTON-DW	Yes	\$545,194	4,403	4,144	0	220	4,364	73	74	56	56
19046803052221	98785063	12/23/2021	BSCI	V-2505	DAYTON-DW		\$224,133	3,711	2,250	2,120	50	4,420	51	64	26	26
19046903052222	13104428	1/15/2021	BSCI	V-2507	DAYTON-CN	Yes	\$238,551	2,195	1,980	0	0	1,980	35	48	16	16
19046903052223	98785514	11/5/2021	BSCI	V-2508	DAYTON-CN		\$189,350	1,280	1,133	0	96	1,229	7	7	0	0
19046603052216	98785561		BSCI	V-2511	FAIRBORN		\$74,416	EST 490	465	0	0	465	3	3	0	0
20046803052212	98786123	6/7/2021	BSCI	V-2522	DAYTON-DW		\$538,096	3,424	3,445	0	0	3,445	63	63	43	43
20046903052233	98785698	9/20/2021	BSCI	V-2650	OAKWOOD		\$366,828	3,610	4,585	0	0	4,585	47	47	36	36
21046903052210	98789638	6/4/2021	BSCI	V-2658	DAYTON-CN		\$204,979	1,396	624	0	106	730	16	17	14	14
21046603052210	98789428	12/2/2021	BSCI	V-2659	FAIRBORN		\$167,556	522	830	0	0	830	2	2	0	0
21046603052212	98790004	6/22/2021	BSCI	V-2695	YELLOW SPRINGS		\$179,666	1,830	2,495	0	100	2,595	26	26	1	1
21046903052212	98788583	8/24/2021	BSCI	V-2696	CENTERVILLE	Yes	\$549,547	3,251	3,822	0	410	4,232	31	31	11	11
21046903052213	98788857	8/19/2021	BSCI	V-2698	CENTERVILLE	Yes	\$627,682	3,156	2,785	0	0	2,785	33	33	22	22

2021 CEOH Replacement Program Progress

								Mains					Services		Actual Meter Move-Outs	
A	B	C	D	E	F	G	H	I	J	K	L	J+K+L	O	P	R	S
Work Order (Oracle) Number	SAP	In Service Date	Category	Group#	City	Public Imp?	Utility Plant Additions <sup>(1)</sup> (Total To-Date Actual Cost)	Main Installed (Feet)	Total BS and Other Types Retired (Feet)	Total CI Retired (Feet)	Total PL Retired (Feet)	Total Main Retired (Feet)	Total # Services Installed	Total # Services Retired	Total # Meter Move-Outs	Total # Meter Installations Retired
N/A	98935767	8/31/2021	BSCI	V-2711	OAKWOOD		\$74,543	859	227	0	0	227	1	1	0	0
19046903052221	98785106	5/27/2021	BSCI	V-734	KETTERING-CN	Yes	\$1,382,134	12,729	5,566	2,693	1,726	9,985	183	186	144	144
15046803052221	98783913	4/30/2021	BSCI	V-748	DAYTON-DW	Yes	\$1,841,471	6,973	3,005	4,900	560	8,465	138	151	119	119
18046803052222	98785842	11/9/2021	BSCI	V-751	DAYTON-DW		\$734,425	10,005	5,915	4,130	385	10,430	114	129	91	91
18046803052224	98785866	5/13/2021	BSCI	V-786	DAYTON-DW		\$869,021	5,363	3,465	0	350	3,815	81	87	51	51
18046903052230	98785857	6/14/2021	BSCI	V-797	DAYTON-CN		\$541,467	4,088	3,200	0	0	3,200	71	85	53	53
18046903052233	13104507	2/25/2021	BSCI	V-829	DAYTON-CN	Yes	\$891,806	5,464	2,000	1,385	30	3,415	146	147	90	90
14046803052223	98783479	4/28/2021	BSCI	V-832	DAYTON-DW	Yes	\$1,141,375	9,526	3,926	710	2,574	7,210	145	166	137	137
16046803052219	98783952	12/13/2021	BSCI	V-833	DAYTON-DW		\$412,549	5,255	597	0	0	597	105	105	87	87
20048103052216	98785405	5/18/2021	BSCI	V-936	TROY	Yes	\$828,741	3,547	4,529	0	188	4,717	104	104	68	68
18048103052216	98785861	6/10/2021	BSCI	V-946	GREENVILLE		\$1,265,266	11,538	13,239	0	794	14,033	146	154	56	56
19046603052213	98785115	9/10/2021	BSCI	V-956	SOUTH CHARLESTON		\$1,687,247	9,544	11,665	0	1,195	12,860	181	181	29	29
19046603052214	98785240	11/10/2021	BSCI	V-972	RIVERSIDE	Yes	\$285,504	3,261	3,663	0	0	3,663	41	41	16	16
BSCI Totals						26	\$52,100,669	372,946	304,896	21,348	45,963	372,207	5,620	6,037	3,452	3,452
Miles								70.63	57.75	4.04	8.71	70.49				

2021 CEOH Replacement Program Progress

A	B	C	D	E	F	G	H	Mains					Services		Actual Meter Move-Outs	
								I	J	K	L	J+K+L	O	P	R	S
Work Order (Oracle) Number	SAP	In Service Date	Category	Group#	City	Public Imp?	Utility Plant Additions <sup>(1)</sup> (Total To-Date Actual Cost)	Main Installed (Feet)	Total BS and Other Types Retired (Feet)	Total CI Retired (Feet)	Total PL Retired (Feet)	Total Main Retired (Feet)	Total # Services Installed	Total # Services Retired	Total # Meter Move-Outs	Total # Meter Installations Retired

Ineffectively Coated Steel Projects:

20046803G50212	98786316	6/10/2021	ICS	V-X-DIMP 62	LEWISBURG		\$289,513	7,720	7,025			7,025	10	10	10	10
20046903G50218	98786683	11/8/2021	ICS	V-X-DIMP 63	WEST CARROLLTON		\$168,407	670	615		32	647	0	0	0	0
20046903G50210	98786116	9/15/2021	ICS	V-X-DIMP 65.1	KETTERING		\$361,901	3,895	2,981		20	3,001	55	55	7	7
20046903G50217	98786306	10/1/2021	ICS	V-X-DIMP 65.2	KETTERING		\$611,579	5,708	6,929			6,929	99	100	20	20
20046603G50212	98787006	10/13/2021	ICS	V-X-DIMP 249	RIVERSIDE		\$687,842	1,920	1,955			1,955	0	0	0	0
N/A	99006251	11/16/2021	ICS	V-X-1305	KETTERING		\$538,391	5,048	6,030			6,030	98	98	146	146
N/A	99008053	10/22/2021	ICS	V-X-2258	KETTERING		\$409,716	4,443	4,540			4,540	92	92	130	130
20048103G50210	98786130	6/28/2021	ICS	V-X-4357	GREENVILLE		\$460,211	3,522	4,340		614	4,954	54	54	19	19
19048203050213	98840276	8/26/2021	ICS	V-X-4385	BELLEFONTAINE		\$616,584	5,480	5,480	340	585	6,405	56	56	33	33
21046603G50213	98784791	10/25/2021	ICS	V-X-4460	RIVERSIDE		\$326,911	3,005	2,881			2,881	43	43	30	30
21046603G50212	98784790	10/20/2021	ICS	V-X-4461	RIVERSIDE		\$356,079	4,885	4,004			4,004	27	31	22	22
21046603G50210	13104141	4/13/2021	ICS	V-X-4502	RIVERSIDE		\$607,148	4,660	4,100			4,100	72	74	50	50
20046803G50217	98785149	9/21/2021	ICS	V-X-4846	DAYTON		\$135,628	1,130	1,475		20	1,495	12	14	14	14
20046603G50213	98784857	8/20/2021	ICS	V-X-OHMOD 6	FAIRBORN		\$57,382	343	320			320	5	6	0	0
20046703G50212	13104534	4/9/2021	ICS	V-X-OHMOD 7	WILMINGTON		\$776,978	4,824	3,255		1,210	4,465	91	99	52	52

ICS Totals	0	\$6,404,269		57,253	55,930	340	2,481	58,751	714	732		533	533
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Miles	10.84	10.59	0.06	0.47	11.13
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BSCI & ICS Totals	26	\$58,504,939	430,199	360,826	21,688	48,444	430,958	6,334	6,769	3,985	3,985
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Total Miles	81.48	68.34	4.11	9.18	81.62
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<sup>1</sup> Utility plant additions do not include cost of removal or 2021 trailing charge activity associated with BS/CI groups placed in service prior to January 1, 202

2021 CEOH BS/CI Replacement Program  
Plastic Main Retirement Causes

Work Order Number	In Service Date	Group#	City	Size of Main Installed (inches)	Size of Main Retired (inches)	Total PL Retired (Feet)	Size of Longest PL Segment Retired (inches)	Longest PL Segment Retired (Feet)	Requires Justification?	Comments
14046803052219	7/16/2021	V-1184	DAYTON-DW	2", 4", 6"	2", 3", 4", 6"	5,760	6"	2,290	Yes	2,290' OF 6" PLASTIC WAS RETIRED DUE TO COUPLINGS ON MAIN WHICH DID NOT HOLD PRESSURE DURING TEST. 1,120' OF 4" PLASTIC AND 2,275' OF 3" PLASTIC WERE RETIRED IN THE STREET TO MOVE NEW MAIN BEHIND THE CURB AND FACILITATE INSTALLATION OF EXCESS FLOW VALVES ON SERVICE LINES
17046803052217	5/24/2021	V-1200	DAYTON-DW	2", 4", 6"	3", 4", 6"	1,640	3"	1,505	Yes	RETIRED 25' OF 4" PLASTIC ON RIVERSIDE AND PIONEER AND 15' OF 4" PLASTIC ON VINCENT DUE TO LOCATION OF NEW TIE IN. 420' OF 3" PLASTIC AND 30' OF 6" PLASTIC ON MCOWEN, 660' OF 3" PLASTIC ON BOND, AND 425' OF 3" PLASTIC ON RIVERSIDE WERE RETIRED IN THE STREET TO MOVE NEW MAIN BEHIND THE CURB AND FACILITATE INSTALLATION OF EXCESS FLOW VALVES ON SERVICE LINES
16046903052217	1/22/2021	V-1209	DAYTON-CN	2", 4", 6"	4"	115	4"	115	No	CROSSED MAYWOOD AVENUE AT S UPLAND AVENUE WITH NEW PLASTIC MAIN AT A DIFFERENT LOCATION SO EXISTING 4" PLASTIC MAIN WAS RETIRED IN THE STREET.
19046903052213	3/16/2021	V-1211	DAYTON-CN	2"	3", 4"	565	3"	285	No	RETIRED 55' OF EXISTING 3" PLASTIC AT MCCALL AND ARDMORE UNDER PAVEMENT. RETIRED 230' OF EXISTING 3" PLASTIC ON ERBAUGH AND 280' OF EXISTING 4" PLASTIC ON MARTHA UNDER PAVEMENT. NEW MAIN INSTALLED OUTSIDE OF PAVEMENT.
14046903052223	4/28/2021	V-1226	DAYTON-CN	2", 4"	2", 3", 4", 6", 8"	4,114	6"	1,995	Yes	RETIRED PLASTIC MAIN IN STREET DUE TO CONFLICT WITH ROAD IMPROVEMENT PROJECT.
18046903052220	4/13/2021	V-1273	KETTERING-CN	2", 6"	2", 3", 4", 6"	1,785	6"	1,075	Yes	EXISTING PLASTIC THAT WAS RETIRED WAS BECAUSE UNDER PAVEMENT. A SECTION OF EXISTING 6" LPP WAS NOT UNDER PAVEMENT BUT WAS 1980'S PLASTIC AND HAD COUPLINGS SO COULD NOT BE RETESTED.
19046903052214	7/19/2021	V-1276	KETTERING-CN	2", 4", 6"	4"	180	4"	180	No	RETIRED 180' OF 4" PLASTIC WHICH WAS A REPAIR ON EXISTING 4" STEEL GAS MAIN WHICH WAS ALSO RETIRED ON THIS PROJECT. NEW MAIN INSTALLED ON OPPOSITE SIDE OF ROAD (ADIRONDACK).
20046903052216	10/14/2021	V-1280	OAKWOOD	2", 4", 8"	4"	425	4"	425	Yes	RETIRED 425 FEET OF LPP DUE TO WATER IN MAIN. SWITCHED CUSTOMERS ON NEW SECTION OF 2"MPP THEN RETIRED THE 4"LPP.
16046603052210	9/10/2021	V-1303	KETTERING-FA	2"	3", 4"	145	4"	120	No	25' OF 3"LPP AND 120' OF 4"LPP WAS RETIRED IN THE STREET DUE TO EFV REQUIREMENTS
16046903052221	8/24/2021	V-1321	OAKWOOD	2", 4"	3", 4"	195	4"	130	No	
15046903052214	7/26/2021	V-1335	GERMANTOWN	2", 4"	3", 4"	269	4"	225	No	44' OF 3"LPP AND 225' OF 4"LPP WAS RETIRED IN THE STREET, WHEN NEW 2"MPP WAS INSTALLED BEHIND THE CURB AND WHICH ALLOWED FOR EASY ACCESS TO THE EXCESS FLOW VALVES.
19048103052210	4/13/2021	V-1340	PIQUA	2", 4", 8"	2", 3", 4"	639	4"	527	Yes	39' OF 2" LPP, 73' OF 3" LPP & 527' OF 4" LPP BECAUSE INSTALLED NEW 2"MPP ON OTHER SIDE OF THE ROAD TO WERE RETIRED IN THE STREET TO MOVE NEW MAIN BEHIND THE CURB AND FACILITATE INSTALLATION OF EXCESS FLOW VALVES ON SERVICE LINES AND AVOID EXTENSIVE PAVEMENT RESTORATION
19048103052212	4/6/2021	V-1463	VERSAILLES	2", 4"	2", 3", 4"	2,410	4"	1,395	Yes	340' OF 2"LPP, 675' OF 4"LPP & 1395' OF 4"LPP WAS RETIRED IN THE STREET WHEN NEW 2"MPP WAS INSTALLED BEHIND THE CURB TO FACILITATE INSTALLATION OF EXCESS FLOW VALVES ON SERVICE LINES. ALSO SOME SERVICES WERE TRANSFERRED TO THE EXISTING MEDIUM PRESSURE PLASTIC AND LOW PRESSURE WAS NO LONGER NEEDED.
19048103052214	5/27/2021	V-1465	VERSAILLES	2", 4"	2", 3", 4", 6"	1,223	3"	853	Yes	140' OF 2"LPP, 853' OF 3"LPP, 95' OF 4"LPP & 135' OF 6"LPP WAS RETIRED AND REPLACED WITH NEW PLASTIC MAIN BECAUSE EXISTING MAIN WAS A ONE FEED WITH TOO MANY CUSTOMERS TO TAKE OUT OF SERVICE FOR A PRESSURE TEST. ALSO SOME OF THE PLASTIC MAIN WAS PRE 1983 INSTALLATION.
19048103052217	3/30/2021	V-1494	TROY	2"	2", 4"	859	4"	794	Yes	65' OF 2"LPP AND 794' OF 4"LPP WAS RETIRED IN THE STREET BECAUSE THIS WAS THE LOW PRESSURE FEED MAIN AND 6"MPP WAS ALREADY INSTALLED BEHIND THE CURB ON BOTH SIDES.
14046903052226	11/9/2021	V-1511	DAYTON-CN	2", 4"	4"	97	4"	97	No	97 FEET OF 4" LPP RETIRED UNDER PAVEMENT.

2021 CEOH BS/CI Replacement Program  
Plastic Main Retirement Causes

Work Order Number	In Service Date	Group#	City	Size of Main Installed (inches)	Size of Main Retired (inches)	Total PL Retired (Feet)	Size of Longest PL Segment Retired (inches)	Longest PL Segment Retired (Feet)	Requires Justification?	Comments
19046603052210	8/3/2021	V-1533	XENIA	2", 4"	3", 4"	874	3"	442	Yes	442' OF 3"LPP NAD 432' OF 4"LPP WAS RETIRED DUE TO ONE WAY FEEDS TOO MANY CUSTOMERS TO TAKE OUT OF SERVICE FOR A PRESSURE TEST.
19046803052217	8/5/2021	V-1858	EATON	2", 6", 8"	1 1/4", 2", 4"	486	2"	229	No	RETIRED 96' OF 1 1/4" P ON SOMERS UNDER RR TRACK. RETIRED 46' OF 4" P UNDER PAVEMENT AT AUKERMAN & DECATUR. RETIRED 55' OF 2" P UNDER PAVEMENT AT AUDERMAN & HIGH. RETIRED 174' OF 2" P ON GILMORE UNDER PAVEMENT. RETIRED 115' OF 1 1/4" P ON LOWRY UNDER P
19048203052212	6/18/2021	V-1864	BELLEFONTAINE	2"	2", 3"	1,155	3"	960	Yes	195' OF 2"LPP & 770' OF 3"LPP WAS RETIRED WHEN THE SERVICES WERE TRANSFERRED TO THE EXISTING 6"MPP AND WAS NO LONGER NEEDED.
18048103052210	12/7/2021	V-1884	GREENVILLE	2", 8"	2", 3", 4", 6", 8"	478	2"	403	No	403' OF 2"LPP, 29' OF 3"LPP, 29' OF 4"LPP, 3' OF 6"LPP & 14' OF 8"LPP WAS RETIRED IN THE STREET DUE TO EXCESS FLOW VALVES. ALSO SOME MAIN WAS NOT NEEDED FEEDING A RETIRED REGULATOR.
16048103052218	8/13/2021	V-1887	NEW MADISON	2", 4"	3"	80	3"	80	No	
19048103052215	2/4/2021	V-1986	PIQUA	2"	4"	2,108	4"	2,108	Yes	2108' OF 4"LPP WAS RETIRED IN THE STREET WERE RETIRED IN THE STREET TO MOVE NEW MAIN BEHIND THE CURB AND FACILITATE INSTALLATION OF EXCESS FLOW VALVES ON SERVICE LINES
20046803052226	12/28/2021	V-2062	DAYTON-DW	2", 4"	3", 4"	1,745	4"	1,370	Yes	THIS EXISTING 4" AND 6" LPP (APPROXIMATELY 1,250') WAS INSTALLED IN 1982 AS PART OF W.O. 63355 (ATTACHED). THE PLASTIC PIPE APPEARS TO BE A COMBINATION OF PLEXCO AND NIPAK - VINTAGES OF PIPE WITH POTENTIAL LEAK ISSUES.
15046603052228	5/24/2021	V-2066	DAYTON-FA	2"	1 1/4", 1", 3", 4"	460	1 1/4"	205	No	180' OF 1"LPP, 205' OF 1.25"LPP, 15' OF 3"LPP AND 60' OF 4"LPP WAS RETIRED BECAUSE WE NO LONGER INSTALL 1" OR 1.25" PLASTIC AS MAIN AND ALL THE NEW MAIN WAS INSTALLED BEHIND THE CURB.
19048103052216	6/21/2021	V-2107	BRADFORD	2"	1 1/4", 2", 3", 4"	998	3"	375	Yes	130' OF 1.25", 130' OF 2"LPP, 375' OF 3"LPP & 363' OF 4"LPP WAS RETIRED IN THE STREETS AND ALLEYWERE RETIRED IN THE STREET TO MOVE NEW MAIN BEHIND THE CURB AND FACILITATE INSTALLATION OF EXCESS FLOW VALVES ON SERVICE LINES
18046803052217	6/11/2021	V-2378	DAYTON-DW	2", 6"	3", 4", 6"	760	6"	655	Yes	95' OF 3" PL, 10' OF 4" PL & 655' OF 6" PL WERE RETIRED BECAUSE OF EXISTING PLASTIC WAS A ONE FEED WITH TOO MANY CUSTOMERS TO TAKE OUT OF SERVICE FOR A PRESSURE TEST.
18046903052227	2/20/2021	V-2397	DAYTON-CN	2"	6"	40	6"	40	No	40' OF 6:LPP WAS RETIRED IN THE STREET WHEN NEW PLASTIC MAIN WAS INSTALLED BEHIND THE CURB.
17046903052238	8/24/2021	V-2419	OAKWOOD	2"	2", 3"	255	3"	130	No	RETIRED 130' OF 3" LPP BECAUSE UNDER ROAD
18046903052212	9/14/2021	V-2436	DAYTON-CN	2", 4"	2"	160	2"	160	No	RETIRED 90' OF 2" LPP BECAUSE MAIN NO LONGER REQUIRED.
19046803052218	7/21/2021	V-2462	DAYTON-DW	2", 4", 6"	4", 6"	260	4"	240	No	160 FEET OF 2" LPP RETIRED IN REAR EASEMENT. NEW MAIN IN FRONT.
19046903052210	1/19/2021	V-2483	OAKWOOD	2", 4"	3", 6"	1,480	6"	1,440	Yes	240' OF 4"LPP AND 20' OF 6"LPP WAS RETIRED IN THE STREET WHEN NEW MAIN WAS INSTALLED BEHIND THE CURB.
19046903052212	1/28/2021	V-2493	DAYTON-CN	2", 4"	4"	650	4"	650	Yes	1,440 FEET OF 6" PLASTIC UNDER PAVEMENT (RIDGWAY ROAD) 40 FEET OF 3" PLASTIC UNDER PAVEMENT (RIDGWAY AT FAIRFOREST CIRCLE) WAS RETIRED TO MOVE NEW MAIN BEHIND THE CURB AND FACILITATE INSTALLATION OF EXCESS FLOW VALVES ON SERVICE LINES
19046803052220	1/28/2021	V-2497	DAYTON-DW	2"	3", 4"	220	3"	145	No	650' OF 4"LPP WAS RETIRED IN THE STREET TO MOVE NEW MAIN BEHIND THE CURB AND FACILITATE INSTALLATION OF EXCESS FLOW VALVES ON SERVICE LINES
19046803052221	12/23/2021	V-2505	DAYTON-DW	2"	3", 4"	50	3"	35	No	CROSSED BENSON DRIVE WITH NEW PLASTIC GAS MAIN SO EXISTING 60' OF 3" PLASTIC GAS MAIN RETIRED UNDER STREET. RETRIED 75' OF 4" PLASTIC GAS MAIN AND 85' OF 3" PLASTIC GAS MAIN AT THE INTERSECTION OF HARVARD AND RAVENWOOD BECAUSE MAIN WAS IN THE STREET.
19046903052223	11/5/2021	V-2508	DAYTON-CN	2", 4", 6"	4", 6"	96	6"	91	No	RETIRED 35 FEET OF 3" LPP THAT WAS UNDER PAVEMENT AND 15 FEET OF 4 LPP UNDER PAVEMENT AT KUMLER AND OXFORD.
									No	A 5 FOOT SECTION OF 4" PLASTIC RETIRED SINCE UNDER PAVEMENT. FOUR SECTIONS OF 6" PLASTIC (TOTALING 91 FEET) WAS RETIRED SINCE UNDER PAVEMENT.

2021 CEOH BS/CI Replacement Program  
Plastic Main Retirement Causes

Work Order Number	In Service Date	Group#	City	Size of Main Installed (inches)	Size of Main Retired (inches)	Total PL Retired (Feet)	Size of Longest PL Segment Retired (inches)	Longest PL Segment Retired (Feet)	Requires Justification?	Comments
21046903052210	6/4/2021	V-2658	DAYTON-CN	2", 8"	3"	106	3"	106	No	106' OF 3"LPP WAS OUT IN THE STREET AND THE NEW MAIN WAS INSTALLED BEHIND THE CURB.
21046603052212	6/22/2021	V-2695	YELLOW SPRINGS	2"	2"	100	2"	100	No	
21046903052212	8/24/2021	V-2696	CENTERVILLE	2", 4"	1 1/4", 3"	410	1 1/4"	265	No	145' OF 3" EXISTING PLASTIC AND 265' OF 1 1/4" EXISTING PLASTIC WERE VINTAGE PLASTIC SO NEEDED TO REPLACE WITH NEW HDPE.
19046903052221	5/27/2021	V-734	KETTERING-CN	2", 6"	2", 4", 6"	1,726	4"	1,158	Yes	EXISTING PLASTIC WAS RETIRED TO MOVE NEW MAIN BEHIND THE CURB AND FACILITATE INSTALLATION OF EXCESS FLOW VALVES ON SERVICE LINES. ALSO A 700' SECTION OF EXISTING 4" LPP WAS RETIRED DUE TO BEING A LEAK RISK VINTAGE PLASTIC. ONE NEW SECTION OF 6"MPP WAS INSTALLED FOR CAPACITY.
15046803052221	4/30/2021	V-748	DAYTON-DW	2", 4"	2", 4", 6"	560	6"	405	Yes	ON HUFFMAN AVE 15' OF 4" PLASTIC AND 65' OF 6" PLASTIC WAS RETIRED AND ON N. HUFFMAN, 10' OF 2" PLASTIC, 85' OF 4" PLASTIC, 340' OF 6" PLASTIC WAS RETIRED BECAUSE GAS MAIN WAS UNDER PAVEMENT, AND ON KLEE AVE RETIRED 45' OF 4" PLASTIC TO MOVE NEW MAIN BEHIND THE CURB AND FACILITATE INSTALLATION OF EXCESS FLOW VALVES ON SERVICE LINES
18046803052222	11/9/2021	V-751	DAYTON-DW	2", 6"	1", 2", 3", 4"	385	3"	245	No	40' OF 1"LPP, 60' OF 2"LPP, 245' OF 3"LPP AND 40' OF 4"LPP WAS RETIRED IN THE STREET DUE TO EXCESS FLOW VALVE REQUIREMENTS.
18046803052224	5/13/2021	V-786	DAYTON-DW	2"	4", 6"	350	4"	305	No	NEW CROSSING LOCATION ON E THIRD SO RETIRED OLD CROSSING (30' OF LPP). RETIRED 170' OF LPP THAT WAS LOCATED UNDER ROAD. RETIRED 135' OF 4" LPP AND 15' OF 6" LPP THAT WAS LOCATED UNDER ROAD.
18046903052233	2/25/2021	V-829	DAYTON-CN	2", 4"	4"	30	4"	30	No	30' OF 4"LPP WAS RETIRED IN THE STREET TO ALLOW FOR CONTINUOUS BORE ON NEW PLASTIC MAIN BEING INSTALLED BEHIND THE CURB.
14046803052223	4/28/2021	V-832	DAYTON-DW	2", 4"	2", 3", 4"	2,574	3"	1,308	Yes	20' OF 2"LPP, 1308' OF 3"LPP & 1246' OF 4"LPP WAS RETIRED IN THE STREET TO MOVE NEW MAIN BEHIND THE CURB AND FACILITATE INSTALLATION OF EXCESS FLOW VALVES ON SERVICE LINES
20048103052216	5/18/2021	V-936	TROY	2", 4"	3", 4"	188	4"	176	No	12' OF 3"LPP & 176' OF 4"LPP WERE RETIRED IN THE STREET WHEN NEW 2"MPP WAS INSTALLED BEHIND THE CURB AND SIDEWALK AREA.
18048103052216	6/10/2021	V-946	GREENVILLE	2"	2", 4", 6"	794	4"	467	Yes	239' OF 1.25"LPP, 293' OF 2"LPP, 467' OF 4"LPP & 34' OF 6"LPP WERE RETIRED IN THE STREET TO MOVE NEW MAIN BEHIND THE CURB AND FACILITATE INSTALLATION OF EXCESS FLOW VALVES ON SERVICE LINES
19046603052213	9/10/2021	V-956	SOUTH CHARLESTON	2", 4", 6", 8"	3"	1,195	3"	1,195	Yes	1195' OF 3"LPP WAS RETIRED IN THE STREET TO MOVE NEW MAIN BEHIND THE CURB AND FACILITATE INSTALLATION OF EXCESS FLOW VALVES ON SERVICE LINES. ALSO, NEW MAIN WAS INSTALLED DUE TO EXISTING ONE WAY FEEDS THAT WOULD REQUIRE EXTENDED OUTAGES TO TEST EXISTING MAIN FOR REUSE.

CEOH 2022 Bare Steel / Cast Iron Replacement Plan

Project Group #	Division	Operating Center	City	Street (First street affected if multiple)	Estimated Install Footage	Estimated Retire Footage	Estimated Project Services	Total Authorized Dollars	Most Recent Construction Est. Start Date	Most Recent Construction Est. Completion Date
V-1071	VEDO	DW	DAYTON-DW	WALES DR	6,650	6,370	92	\$998,498	3/7/2022	5/30/2022
V-1073	VEDO	DW	DAYTON-DW	ODLIN AVE	5,720	5,370	116	\$1,154,537	4/25/2022	7/29/2022
V-1076	VEDO	DW	DAYTON-DW	WHEATLEY AVE	11,240	11,680	145	\$1,679,126	6/1/2022	9/16/2022
V-1153	VEDO	DW	DAYTON-DW	PHILADELPHIA DR	6,830	7,440	96	\$1,090,834	7/27/2022	12/31/2022
V-1166	VEDO	DW	DAYTON-DW	EUCLID AVE	8,145	8,475	125	\$1,395,019	7/18/2022	12/31/2022
V-1220	VEDO	CN	DAYTON-CN	BROADWAY ST	4,360	9,660	48	\$773,539	6/27/2022	12/31/2022
V-1282	VEDO	CN	OAKWOOD	ACORN DR	9,650	9,335	155	\$1,583,488	2/11/2022	7/1/2022
V-1286	VEDO	CN	DAYTON-CN	WILMINGTON AVE	4,535	4,970	97	\$1,115,519	4/1/2022	7/15/2022
V-1289	VEDO	CN	OAKWOOD	RIDGEWAY RD	6,060	7,000	61	\$906,301	6/6/2022	8/25/2022
V-1292	VEDO	CN	DAYTON-CN	SHROYER RD	6,475	9,720	75	\$1,260,942	5/15/2022	6/1/2022
V-1294	VEDO	CN	DAYTON-CN	PATTERSON RD	6,880	9,380	138	\$1,634,932	2/15/2022	6/15/2022
V-1304	VEDO	DW	EATON	N. BARRON ST.	5,620	7,220	86	\$1,035,506	6/15/2022	8/21/2022
V-1310	VEDO	DW	DAYTON-DW	WESLEYAN RD	4,030	4,070	96	\$929,171	4/4/2022	7/1/2022
V-1311	VEDO	CN	KETTERING-CN	ALLENDAL DR	13,035	7,460	82	\$1,043,179	5/20/2022	9/29/2022
V-1313	VEDO	CN	KETTERING-CN	SUNNYCREST LN	8,050	9,485	68	\$985,096	1/10/2022	5/27/2022
V-1314	VEDO	CN	KETTERING-CN	INDIAN HILL RD	2,845	2,695	41	\$437,567	2/15/2022	5/27/2022
V-1387	VEDO	BF	RUSSELLS POINT	FAIRVIEW AVE.	8,925	8,635	115	\$1,500,647	6/1/2022	8/12/2022
V-1666	VEDO	CN	CENTERVILLE	WINDSOR PARK DR	7,225	6,955	86	\$801,989	1/8/2022	4/1/2022
V-1668	VEDO	CN	CENTERVILLE	WELLER AVE	3,570	5,020	67	\$795,895	1/7/2022	4/1/2022
V-1789	VEDO	TR	GREENVILLE	EASEMENT SOUTH OF MEMORIAL DR.	5,190	4,220	65	\$858,045	11/23/2021	4/20/2022
V-1795	VEDO	TR	GREENVILLE	E. WATER ST.	8,855	9,745	115	\$1,491,563	11/22/2021	4/20/2022
V-1827	VEDO	WC	WASHINGTON CH	DELAWARE ST.	9,735	12,085	147	\$1,663,979	6/8/2022	12/8/2022
V-1943	VEDO	FA	DAYTON-FA	MERRYDALE AVE	6,990	7,425	136	\$1,414,347	2/14/2022	5/20/2022
V-1945	VEDO	CN	DAYTON-CN	LINDEN AVE	3,440	2,370	62	\$1,017,173	8/1/2022	11/15/2022
V-2025	VEDO	TR	SIDNEY	EDGEWOOD ST	12,785	8,840	142	\$2,164,072	5/23/2022	10/28/2022
V-2026	VEDO	TR	PLEASANT HILL	WALNUT ST	5,145	5,575	64	\$710,879	3/28/2022	7/1/2022
V-2042	VEDO	FA	RIVERSIDE	MERTLAND AVE	3,495	3,245	68	\$633,879	3/23/2022	5/18/2022
V-2086	VEDO	TR	TROY	ES OF SQUARE	1,500	3,520	43	\$592,101	2/28/2022	5/1/2022
V-2089	VEDO	CN	OAKWOOD	OAKWOOD AVE	2,780	2,105	33	\$447,098	7/29/2022	9/9/2022
V-2090	VEDO	DW	DAYTON-DW	CATALPA DR	6,130	4,170	28	\$2,809,487	6/6/2022	7/29/2021
V-2255	VEDO	FA	FAIRBORN	LINDBERG	4,775	4,125	101	\$926,285	4/27/2022	7/1/2022
V-2330	VEDO	WC	WILMINGTON	EASMENT EAST OF N. LINCOLN ST.	7,030	8,380	82	\$990,043	6/9/2022	12/7/2022
V-2418	VEDO	DW	DAYTON-DW	CENTRE ST.	3,825	4,595	77	\$840,010	1/10/2022	3/11/2022
V-2439	VEDO	DW	DAYTON-DW	NORTHSIDE OF HILLCREST AVE	8,325	1,740	111	\$1,439,433	7/8/2022	9/2/2022
V-2448	VEDO	DW	NEW PARIS	WASHINGTON ST.	10,495	8,290	143	\$1,731,792	8/1/2022	11/4/2022
V-2472	VEDO	CN	DAYTON-CN	ELLIOT AVENUE	2,885	4,385	40	\$855,469	9/15/2022	12/22/2022
V-2486	VEDO	TR	VERSAILLES	EASEMENT S/O WARD ST	7,350	6,390	80	\$1,145,374	4/25/2022	7/22/2022
V-2492	VEDO	DW	DAYTON-DW	ALMOND AVE	6,640	6,265	121	\$1,233,974	7/22/2022	10/21/2022
V-2494	VEDO	DW	DAYTON-DW	BEDFORD AVE	4,135	3,525	70	\$722,229	2/1/2022	5/11/2022
V-2523	VEDO	DW	DAYTON-DW	SUPERIOR AVE	5,515	9,655	40	\$900,124	1/11/2022	4/1/2022
V-2529	VEDO	DW	DAYTON-DW	SUPERIOR AVE	5,360	9,410	39	\$692,409	5/23/2022	7/1/2022
V-2640	VEDO	DW	DAYTON-DW	CUMBERLAND AVE	5,630	4,430	69	\$851,610	7/29/2022	9/23/2022
V-2718	VEDO	CN	DAYTON-CN	RESACA AVE	775	400	3	\$71,575	7/20/2022	9/1/2022
V-379	VEDO	CN	OAKWOOD	N/O DELLWOOD AVE	8,050	12,610	47	\$2,084,944	5/16/2022	8/26/2022
V-619	VEDO	TR	PIQUA	ROOSEVELT AVE	8,200	10,300	184	\$1,718,399	8/25/2022	12/30/2022
V-736	VEDO	CN	DAYTON-CN	E STEWART ST	4,140	8,755	74	\$787,427	9/26/2022	12/31/2022
V-737	VEDO	CN	DAYTON-CN	WEAVER ST	7,285	10,515	54	\$1,264,853	8/24/2022	12/31/2022

**CEOH 2022 Bare Steel / Cast Iron Replacement Plan**

Project Group #	Division	Operating Center	City	Street (First street affected if multiple)	Estimated Install Footage	Estimated Retire Footage	Estimated Project Services	Total Authorized Dollars	Most Recent Construction Est. Start Date	Most Recent Construction Est. Completion Date
V-740	VEDO	DW	DAYTON-DW	WILLIAMS ST	5,500	8,935	68	\$1,016,474	2/11/2022	5/6/2022
V-753	VEDO	DW	DAYTON-DW	N ARDMORE AVE	7,800	9,200	125	\$1,506,524	4/5/2022	6/17/2022
V-754	VEDO	CN	DAYTON-CN	GERMANTOWN ST	2,695	5,470	23	\$400,022	10/17/2022	12/31/2022
V-778	VEDO	DW	DAYTON-DW	BERTRAM AVE	5,140	6,055	116	\$1,162,615	1/14/2022	4/8/2022
V-781	VEDO	DW	DAYTON-DW	EUCLID AVE.	3,475	5,840	35	\$558,752	5/16/2022	7/1/2022
V-822	VEDO	CN	DAYTON-CN	ROSEMONT BLVD	8,545	6,585	221	\$2,276,804	1/17/2022	9/11/2022
V-834	VEDO	DW	DAYTON-DW	W FIRST ST	5,535	6,365	42	\$874,909	6/6/2022	8/5/2022
V-921	VEDO	DW	DAYTON-DW	EMERSON AVE	8,795	5,525	95	\$1,504,368	7/18/2022	9/30/2022
V-970	VEDO	DW	DAYTON-DW	DEEDS AVE	1,465	3,940	34	\$332,436	8/31/2022	10/7/2022
V-989	VEDO	TR	SIDNEY	WAPAKONETA AVE	9,925	10,430	149	\$1,596,662	5/23/2022	10/28/2022
<b>Total BSCI</b>					<b>355,180</b>	<b>386,355</b>	<b>4935</b>	<b>\$64,409,926</b>		

Ineffectively Coated Steel Projects:

Project Group #	Division	Operating Center	City	Street (First street affected if multiple)	Estimated Install Footage	Estimated Retire Footage	Estimated Project Services	Total Authorized Dollars	Most Recent Construction Est. Start Date	Most Recent Construction Est. Completion Date
V-X-DIMP 64.1	VEDO	CN	KETTERING	EARNSHAW	3,420	4,365	60	\$607,197	3/8/2022	6/1/2022
V-X-DIMP 64.2	VEDO	CN	KETTERING	CARRLANDS	4,575	3,835	78	\$787,761	2/15/2022	6/1/2022
V-X-DIMP 64.3	VEDO	CN	KETTERING	OAKVIEW	5,020	6,560	94	\$920,330	2/1/2022	6/1/2022
V-X-DIMP 64.4	VEDO	CN	KETTERING	SCHUYLER	10,325	4,390	115	\$1,333,282	1/3/2022	6/1/2022
V-X-DIMP 64.5	VEDO	CN	KETTERING	MILFORD	7,975	6,650	123	\$1,265,056	1/3/2022	6/1/2022
V-X-OHMOD 2	VEDO	DW	DAYTON	PARKHILL	3,545	2,530	58	\$582,438	1/19/2022	6/1/2022
V-X-OHMOD 3	VEDO	DW	DAYTON	LITCHFIELD	4,110	2,645	70	\$725,589	2/3/2022	6/1/2022
V-X-OHMOD 4	VEDO	DW	DAYTON	SHAFTBURY	2,810	2,825	61	\$609,172	2/28/2022	6/1/2022
V-X-OHMOD 5	VEDO	DW	DAYTON	KENSINGTON	2,490	2,545	55	\$542,574	3/28/2022	6/1/2022
V-X-4698	VEDO	DW	DAYTON	EMERSON	4,135	2,975	66	\$766,605	3/14/2022	6/17/2022
V-X-4700	VEDO	DW	DAYTON	HUDSON	2,580	2,735	75	\$748,291	4/18/2022	7/22/2022
V-X-4701	VEDO	DW	DAYTON	MARATHON	4,115	7,910	61	\$745,876	5/9/2022	8/5/2022
V-X-OHMOD 10	VEDO	FA	NEW CARLISLE	DAYTON-LAKEVIEW	9,530	8,665	19	\$882,675	1/31/2022	4/8/2022
<b>Total ICS</b>					<b>64,630</b>	<b>58,630</b>	<b>935</b>	<b>\$10,516,846</b>		



2021 CEOH BS/CI Replacement Program

	Main to Curb (Non-Incremental)					Curb to Meter (Incremental)					Grand Total (Main to Curb + Curb to Meter)				
	Labor 1	Mat'l 1	Misc 1	OH 1	Subtotal 1	Labor 2	Mat'l 2	Misc 2	OH 2	Subtotal 2	Total Labor	Total Mat'l	Total Misc	Total OH	Grand Total
Curb to Meter	-	-	-	-	-	28,457	14,507	644,089	274,821	961,875	28,457	14,507	644,089	274,821	961,875
Main to Curb	24,532	21,298	265,598	124,571	435,999	-	-	-	-	-	24,532	21,298	265,598	124,571	435,999
Main to Meter - Over 200 feet	5,874	1,275	23,625	12,309	43,083	14,955	3,245	11,454	11,862	41,516	20,829	4,520	35,079	24,171	84,599
Main to Meter - Under 200 feet	96,704	52,334	2,841,747	1,196,314	4,187,098	246,217	133,247	1,377,750	702,886	2,460,100	342,921	185,581	4,219,496	1,899,199	6,647,198
Meter set replacement	-	-	-	-	-	77,438	49,115	-	50,621	177,173	77,438	49,115	-	50,621	177,173
<b>Totals</b>	<b>\$127,110</b>	<b>\$74,906</b>	<b>\$3,130,969</b>	<b>\$1,333,194</b>	<b>\$4,666,180</b>	<b>\$367,067</b>	<b>\$200,114</b>	<b>\$2,033,293</b>	<b>\$1,040,190</b>	<b>\$3,640,664</b>	<b>\$494,177</b>	<b>\$275,021</b>	<b>\$5,164,262</b>	<b>\$2,373,384</b>	<b>\$8,306,844</b>

CEOH Service Replacement Unit Rates and Cost Allocations

Service Replacement Type	Direct labor cost per ft/unit	Direct mat'l cost per ft/unit	Direct labor/mat'l's main to curb %	Direct labor/mat'l's curb to meter %	Misc cost/unit - permit	Misc cost - permit main to curb %	Misc cost - permit curb to meter %	Misc cost/unit - spot holes	Misc cost - spot holes main to curb %	Misc cost - spot holes curb to meter cost %	Misc cost/unit - restoration	Misc cost - restoration main to curb %	Misc cost - restoration curb to meter cost %	Misc cost/unit - sewer locate	Misc cost - sewer locate main to curb %	Misc cost - sewer locate curb to meter cost %
Main to Meter - Over 200 feet	\$11.16	\$2.42	28.2%	71.8%	\$59.53	50.0%	50.0%	\$819.45	100.0%	0.0%	\$919.26	100.0%	0.0%	\$3,213.03	50.0%	50.0%
Main to Meter - Under 200 feet	\$11.16	\$6.04	28.2%	71.8%	\$59.53	50.0%	50.0%	\$819.45	100.0%	0.0%	\$919.26	100.0%	0.0%	\$3,213.03	50.0%	50.0%
Main to Curb	\$462.87	\$401.85	100.0%	0.0%	\$59.53	100.0%	0.0%	\$819.45	100.0%	0.0%	\$919.26	100.0%	0.0%	\$3,213.03	100.0%	0.0%
Curb to Meter	\$11.91	\$6.07	0.0%	100.0%	\$59.53	0.0%	100.0%	\$819.45	0.0%	100.0%	\$919.26	0.0%	100.0%	\$2,613.32	0.0%	100.0%
Meter set replacement	\$703.98	\$446.50	0.0%	100.0%	\$0.00	0.0%	100.0%	\$0.00	0.0%	100.0%	\$0.00	0.0%	100.0%	\$0.00	0.0%	100.0%

CEOH 2021 Service Replacement Work Order Detail & Cost Allocation

Totals (\$000s):

\$127

\$75

\$3,131

\$1,333

\$4,666

\$367

\$200

\$2,033

\$1,040

\$3,641

\$494

\$275

\$5,164

\$2,373

\$8,307

								Main to Curb (Non-Incremental)								Curb to Meter (Incremental)						Grand Total (Main to Curb + Curb to Meter)					
WONUM	DIV	OC	DESCRIPTION	ACT_FINISH DATE	pipe_installed-material	pipe_installed-size	Service Replacement Type	pipe_installed-length	Labor cost/ft	Labor cost	Mat'l cost/ft	Mat'l cost	Misc cost	Overhead cost	Subtotal main to curb	Labor cost/ft	Labor cost	Mat'l cost/ft	Mat'l cost	Misc cost	Overhead cost	Subtotal curb to meter	Total labor cost	Total mat'l cost	Total misc cost	Total overhead cost	Total all costs
18526778	OHIO	DW	OH-DAYTON-2353 NEVA DR -LEAK-REPAIR~~	2/24/2021	HDPE		Main to Meter - Under 200 feet	77	\$3.15	\$261	\$1.70	\$141	\$3,375	\$1,511	\$5,289	\$8.01	\$665	\$4.34	\$360	\$1,636	\$1,065	\$3,726	\$926	\$501	\$5,011	\$2,576	\$9,015
17424249	OHIO	DW	OH-DAYTON-5061 SPORTSCRAFT DR ~- LOCATE CURB VALVE TO SHUT OFF AND	1/7/2021			Main to Meter - Under 200 feet	34	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$11.91	\$0	\$6.07	\$0	\$4,412	\$1,765	\$6,176	\$0	\$0	\$4,412	\$1,765	\$6,176
17928835	OHIO	WC	OH-WASHINGTON COURT HOUSE-223 GREEN AVE -LEAK-REPAIR~~	4/20/2021			Main to Meter - Under 200 feet	40	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$11.91	\$0	\$6.07	\$0	\$4,412	\$1,765	\$6,176	\$0	\$0	\$4,412	\$1,765	\$6,176
18759097	OHIO	CN	OH-CENTERVILLE-162 W FRANKLIN ST -LEAK-REPAIR~~ -LEAK-REPAIR	4/19/2021	HDPE	1.00 INCH	Main to Meter - Under 200 feet	49	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$11.91	\$48	\$6.07	\$24	\$4,412	\$1,793	\$6,277	\$48	\$24	\$4,412	\$1,793	\$6,277
18865487	OHIO	DW	OH-DAYTON-22 E SIEBENTHALER AVE -LEAK-REPAIR~~	5/25/2021	HDPE		Main to Meter - Under 200 feet	66	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$11.91	\$536	\$6.07	\$273	\$4,412	\$2,088	\$7,309	\$536	\$273	\$4,412	\$2,088	\$7,309
18889502	OHIO	DW	OH-DAYTON-4420 W SECOND -LEAK-REPAIR~~	6/8/2021	HDPE		Main to Meter - Under 200 feet	52	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$11.91	\$452	\$6.07	\$231	\$4,412	\$2,038	\$7,133	\$452	\$231	\$4,412	\$2,038	\$7,133
18761294	OHIO	WC	OH-JEFFERSONVILLE-19 JANES ST -LEAK-REPAIR~~	4/21/2021	HDPE		Curb to Meter	27	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$11.91	\$560	\$6.07	\$285	\$4,412	\$2,103	\$7,359	\$560	\$285	\$4,412	\$2,103	\$7,359
18804713	OHIO	CN	OH-DAYTON-1526 S BROADWAY ST -LEAK-REPAIR~~	5/18/2021	HDPE		Main to Meter - Under 200 feet	55	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$11.91	\$357	\$6.07	\$182	\$4,412	\$1,980	\$6,931	\$357	\$182	\$4,412	\$1,980	\$6,931
18736791	OHIO	DW	OH-DAYTON-2328 OTTELLO -LEAK-REPAIR~~	4/6/2021	HDPE		Curb to Meter	4	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$11.91	\$417	\$6.07	\$212	\$4,412	\$2,016	\$7,057	\$417	\$212	\$4,412	\$2,016	\$7,057
17926575	OHIO	WC	OH-WASHINGTON COURT HOUSE-220 MCKINLEY AVE -LEAK-REPAIR~~	6/10/2021	HDPE		Main to Meter - Under 200 feet	46	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$11.91	\$274	\$6.07	\$140	\$4,412	\$1,930	\$6,755	\$274	\$140	\$4,412	\$1,930	\$6,755
18263302	OHIO	BF	OH-HUNTSVILLE-10861 COUNTY ROAD 286 ~-RELOG	4/16/2021	HDPE		Main to Meter - Under 200 feet	70	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$11.91	\$357	\$6.07	\$182	\$4,412	\$1,980	\$6,931	\$357	\$182	\$4,412	\$1,980	\$6,931
18572599	OHIO	CN	OH-DAYTON-1233 BROOKVIEW AVE -LEAK-REPAIR~~	3/9/2021	HDPE		Meter Set Replacement	0	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$11.91	\$464	\$6.07	\$237	\$4,412	\$2,045	\$7,158	\$464	\$237	\$4,412	\$2,045	\$7,158
18796422	OHIO	WC	OH-WILMINGTON-1109 WESTMOOR DR -LEAK-REPAIR~~	5/12/2021	HDPE	1.00 INCH	Main to Meter - Under 200 feet	58	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$11.91	\$417	\$6.07	\$212	\$4,412	\$2,016	\$7,057	\$417	\$212	\$4,412	\$2,016	\$7,057
18768820	OHIO	CN	OH-DAYTON-4216 FULTON AVE ~-RELOG	5/10/2021	HDPE		Main to Meter - Under 200 feet	30	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$11.91	\$417	\$6.07	\$212	\$4,412	\$2,016	\$7,057	\$417	\$212	\$4,412	\$2,016	\$7,057
18454998	OHIO	CN	OH-DAYTON-2059 HERITAGE POINT DR APT 1~-RELOG	2/25/2021	HDPE		Curb to Meter	17	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$11.91	\$60	\$6.07	\$30	\$4,412	\$1,801	\$6,302	\$60	\$30	\$4,412	\$1,801	\$6,302
17331320	OHIO	DW	OH-WEST MANCHESTER-210 W NORTH -LEAK-REPAIR~~	3/17/2021	HDPE		Main to Meter - Under 200 feet	31	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$11.91	\$345	\$6.07	\$176	\$4,412	\$1,973	\$6,906	\$345	\$176	\$4,412	\$1,973	\$6,906
18863434	OHIO	DW	OH-DAYTON-1311 EDISON -LEAK-REPAIR~~	5/25/2021	HDPE		Main to Meter - Under 200 feet	25	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$11.91	\$536	\$6.07	\$273	\$4,412	\$2,088	\$7,309	\$536	\$273	\$4,412	\$2,088	\$7,309
18412296	OHIO	DW	OH-DAYTON-2606 OLD TROY PIKE -LEAK-REPAIR~~	1/27/2021	HDPE		Main to Meter - Under 200 feet	40	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$11.91	\$12	\$6.07	\$6	\$4,412	\$1,772	\$6,201	\$12	\$6	\$4,412	\$1,772	\$6,201
18571672	OHIO	DW	OH-CAMDEN-636 MCGUIRE DR -LEAK-REPAIR~~	3/8/2021	HDPE	1.00 INCH	Main to Meter - Under 200 feet	125	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$11.91	\$476	\$6.07	\$243	\$4,412	\$2,052	\$7,183	\$476	\$243	\$4,412	\$2,052	\$7,183
18443591	OHIO	TR	OH-TROY-754 OHIO AVE -LEAK-REPAIR~~	2/5/2021	HDPE		Curb to Meter	39	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$11.91	\$536	\$6.07	\$273	\$4,412	\$2,088	\$7,309	\$536	\$273	\$4,412	\$2,088	\$7,309
	OHIO	DW	OH-WEST ALEXANDRIA-14 DORSEY AKERS DR -LEAK-REPAIR~~ -LEAK-REPAIR				Main to Meter - Under 200 feet	33	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$11.91	\$24	\$6.07	\$12	\$4,412	\$1,779	\$6,227	\$24	\$12	\$4,412	\$1,779	\$6,227
18567603	OHIO	DW	OH-UNION-133 N MONTGOMERY ST -LEAK-REPAIR~~	3/15/2021	HDPE		Main to Meter - Under 200 feet	0	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$11.91	\$536	\$6.07	\$273	\$4,412	\$2,088	\$7,309	\$536	\$273	\$4,412	\$2,088	\$7,309
18445637	OHIO	FA	OH-BEAVERCREEK-647 CARTHAGE DR -LEAK-REPAIR~~	2/26/2021	HDPE		Main to Meter - Under 200 feet	88	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$11.91	\$0	\$6.07	\$0	\$4,412	\$1,765	\$6,176	\$0	\$0	\$4,412	\$1,765	\$6,176
18877111	OHIO	FA	OH-FAIRBORN-1534 STEWART BLVD -LEAK-REPAIR~~	6/1/2021	HDPE		Curb to Meter	43	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$11.91	\$393	\$6.07	\$200	\$4,412	\$2,002	\$7,007	\$393	\$200	\$4,412	\$2,002	\$7,007
18768433	OHIO	TR	OH-TROY-401 COUNTRYSIDE DR N-LEAK-REPAIR~~	5/4/2021		1.00 INCH	Curb to Meter	11	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$11.91	\$0	\$6.07	\$0	\$4,412	\$1,765	\$6,176	\$0	\$0	\$4,412	\$1,765	\$6,176
17537824	OHIO	FA	OH-DAYTON-3780 ECHO HILL LN -LEAK-REPAIR~~	3/24/2021	HDPE	1.00 INCH	Main to Meter - Under 200 feet	60	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$11.91	\$71	\$6.07	\$36	\$4,412	\$1,808	\$6,327	\$71	\$36	\$4,412	\$1,808	\$6,327
18566724	OHIO	TR	OH-TROY-2900 MERRIMONT DR -LEAK-REPAIR~~	5/4/2021	HDPE	1.00 INCH	Curb to Meter	1	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$11.91	\$24	\$6.07	\$12	\$4,412	\$1,779	\$6,227	\$24	\$12	\$4,412	\$1,779	\$6,227
18531167	OHIO	DW	OH-UNION-194 WOBURN CIR ~- SERVICE RENEWAL WITHIN 10 DAYS	3/4/2021		1.00 INCH	Meter Set Replacement	0	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$11.91	\$0	\$6.07	\$0	\$4,412	\$1,765	\$6,176	\$0	\$0	\$4,412	\$1,765	\$6,176
18632937	OHIO	CN	OH-DAYTON-1736 W RAHN RD -LEAK-REPAIR~~	3/29/2021	HDPE		Main to Meter - Under 200 feet	97	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$11.91	\$95	\$6.07	\$49	\$4,412	\$1,822	\$6,378	\$95	\$49	\$4,412	\$1,822	\$6,378
18446112	OHIO	CN	OH-BELLBROOK-1311 TALON RIDGE DR -LEAK-REPAIR~~	3/3/2021	HDPE		Main to Meter - Under 200 feet	110	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$11.91	\$24	\$6.07	\$12	\$4,412	\$1,779	\$6,227	\$24	\$12	\$4,412	\$1,779	\$6,227
18530496	OHIO	FA	OH-XENIA-851 CHESTNUT ST -LEAK-REPAIR~~	2/24/2021	HDPE		Main to Meter - Under 200 feet	59	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$11.91	\$131	\$6.07	\$67	\$4,412	\$1,844	\$6,453	\$131	\$67	\$4,412	\$1,844	\$6,453
18412292	OHIO	FA	OH-BEAVERCREEK-511 COLONIAL -LEAK-REPAIR~~	3/9/2021	HDPE		Main to Meter - Under 200 feet	0	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$11.91	\$48	\$6.07	\$24	\$4,412	\$1,793	\$6,277	\$48	\$24	\$4,412	\$1,793	\$6,277
18335742	OHIO	CN	OH-DAYTON-7615 KATY -LEAK-REPAIR~~	1/5/2021	HDPE		Curb to Meter	2	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$11.91	\$238	\$6.07	\$121	\$4,412	\$1,908	\$6,680	\$238	\$121	\$4,412	\$1,908	\$6,680
18788895	OHIO	CN	OH-CENTERVILLE-6863 PARAGON RD -LEAK-REPAIR~~ -LEAK-REPAIR	5/6/2021	HDPE		Main to Meter - Under 200 feet	49	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$11.91	\$24	\$6.07	\$12	\$4,412	\$1,779	\$6,227	\$24	\$12	\$4,412	\$1,779	\$6,227
18786079	OHIO	DW	OH-DAYTON-8471 PINEGATE WAY -LEAK-REPAIR~~	5/6/2021	HDPE	1.00 INCH	Main to Meter - Under 200 feet	90	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$11.91	\$24	\$6.07	\$12	\$4,412	\$1,779	\$6,227	\$24	\$12	\$4,412	\$1,779	\$6,227
18580051	OHIO	DW	OH-DAYTON-1456 N KEOWEE ST -LEAK-REPAIR~~ -LEAK-REPAIR	3/11/2021	HDPE		Main to Meter - Under 200 feet	70	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$11.91	\$48	\$6.07	\$24	\$4,412	\$1,793	\$6,277	\$48	\$24	\$4,412	\$1,793	\$6,277
17282135	OHIO	FA	OH-XENIA-252 S ALLISON AVE -LEAK-REPAIR~~	3/4/2021	STEEL		Main to Meter - Under 200 feet	71	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$11.91	\$12	\$6.07	\$6	\$4,412	\$1,772	\$6,201	\$12	\$6	\$4,412	\$1,772	\$6,201
17454591	OHIO	FA	OH-DAYTON-1502 LARCHWOOD DR -LEAK-REPAIR~~	1/20/2021	HDPE		Main to Meter - Under																				

CEOH 2021 Service Replacement Work Order Detail & Cost Allocation

Totals (\$000s):

\$127

\$75

\$3,131

\$1,333

\$4,666

\$367

\$200

\$2,033

\$1,040

\$3,641

\$494

\$275

\$5,164

\$2,373

\$8,307

								Main to Curb (Non-Incremental)								Curb to Meter (Incremental)								Grand Total (Main to Curb + Curb to Meter)				
WONUM	DIV	OC	DESCRIPTION	ACT_FINISH DATE	pipe_installed-material	pipe_installed-size	Service Replacement Type	pipe_installed-length	Labor cost/ft	Labor cost	Mat'l cost/ft	Mat'l cost	Misc cost	Overhead cost	Subtotal main to curb	Labor cost/ft	Labor cost	Mat'l cost/ft	Mat'l cost	Misc cost	Overhead cost	Subtotal curb to meter	Total labor cost	Total mat'l cost	Total misc cost	Total overhead cost	Total all costs	
18737975	OHIO	CN	OH-WEST CARROLLTON-15 WEST CENTRAL AVE -LEAK-REPAIR~~	4/15/2021	HDPE		Main to Meter - Under 200 feet	0	\$3.15	\$54	\$1.70	\$29	\$3,375	\$1,383	\$4,840	\$8.01	\$136	\$4.34	\$74	\$1,636	\$739	\$2,585	\$190	\$103	\$5,011	\$2,121	\$7,425	
17343769	OHIO	CN	OH-MIAMISBURG-1231 AUDENE ST -LEAK-REPAIR~~	3/19/2021	HDPE	1.00 INCH	Main to Meter - Under 200 feet	50	Unit cost	\$463	Unit cost	\$402	\$5,011	\$2,350	\$8,226	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$463	\$402	\$5,011	\$2,350	\$8,226	
18599944	OHIO	CN	OH-DAYTON-1626 LARCHWOOD DR -LEAK-REPAIR~~	3/19/2021	HDPE		Main to Meter - Under 200 feet	43	Unit cost	\$463	Unit cost	\$402	\$5,011	\$2,350	\$8,226	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$463	\$402	\$5,011	\$2,350	\$8,226	
17281701	OHIO	CN	OH-DAYTON-2224 HAZELHURST CT -LEAK-REPAIR~~	3/10/2021	HDPE		Main to Meter - Under 200 feet	93	Unit cost	\$463	Unit cost	\$402	\$5,011	\$2,350	\$8,226	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$463	\$402	\$5,011	\$2,350	\$8,226	
18152391	OHIO	CN	OH-CENTERVILLE-1360 QUAKER WAY -LEAK-REPAIR~~	3/17/2021	HDPE	1.00 INCH	Main to Meter - Under 200 feet	0	Unit cost	\$463	Unit cost	\$402	\$5,011	\$2,350	\$8,226	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$463	\$402	\$5,011	\$2,350	\$8,226	
18191316	OHIO	FA	OH-YELLOW SPRINGS-9 LAWSON PL ~~RELOG	1/13/2021	HDPE		Curb to Meter	5	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$11.91	\$36	\$6.07	\$18	\$4,412	\$1,786	\$6,252	\$36	\$18	\$4,412	\$1,786	\$6,252	
18723723	OHIO	CN	OH-WEST CARROLLTON-820 LANCELOT DR -LEAK-REPAIR~~	4/5/2021	HDPE	1.00 INCH	Meter Set Replacement	0	\$3.15	\$50	\$1.70	\$27	\$3,375	\$1,381	\$4,834	\$8.01	\$128	\$4.34	\$69	\$1,636	\$734	\$2,567	\$179	\$97	\$5,011	\$2,115	\$7,401	
18154644	OHIO	DW	OH-DAYTON-6408 N MAIN ST -LEAK-REPAIR~~	6/10/2021	HDPE		Main to Meter - Under 200 feet	39	Unit cost	\$463	Unit cost	\$402	\$5,011	\$2,350	\$8,226	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$463	\$402	\$5,011	\$2,350	\$8,226	
17621898	OHIO	CN	OH-WEST CARROLLTON-1313 S ELM ST. -LEAK-REPAIR~~	5/12/2021	HDPE	1.00 INCH	Curb to Meter	30	Unit cost	\$463	Unit cost	\$402	\$5,011	\$2,350	\$8,226	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$463	\$402	\$5,011	\$2,350	\$8,226	
17617834	OHIO	CN	OH-CENTERVILLE-5837 ARLMONT CIR -LEAK-REPAIR~~	3/22/2021	HDPE		Main to Meter - Under 200 feet	38	Unit cost	\$463	Unit cost	\$402	\$5,011	\$2,350	\$8,226	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$463	\$402	\$5,011	\$2,350	\$8,226	
18438737	OHIO	TR	OH-JACKSON CENTER-616 E JACKSON ST -LEAK-REPAIR~~	3/2/2021	HDPE		Main to Meter - Under 200 feet	70	Unit cost	\$463	Unit cost	\$402	\$5,011	\$2,350	\$8,226	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$463	\$402	\$5,011	\$2,350	\$8,226	
17628684	OHIO	FA	OH-XENIA-118 PURCELL DR -LEAK-REPAIR~~	5/5/2021	HDPE		Curb to Meter	5	Unit cost	\$463	Unit cost	\$402	\$5,011	\$2,350	\$8,226	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$463	\$402	\$5,011	\$2,350	\$8,226	
18206175	OHIO	DW	OH-DAYTON-147 PATTON -LEAK-REPAIR~~	5/18/2021	MDPE		Main to Meter - Under 200 feet	0	Unit cost	\$463	Unit cost	\$402	\$5,011	\$2,350	\$8,226	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$463	\$402	\$5,011	\$2,350	\$8,226	
18325127	OHIO	CN	OH-BELLBROOK-2249 CREEKVIEW PL -LEAK-REPAIR~~	1/14/2021	HDPE		Main to Meter - Under 200 feet	85	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$11.91	\$48	\$6.07	\$24	\$4,412	\$1,793	\$6,277	\$48	\$24	\$4,412	\$1,793	\$6,277	
18317455	OHIO	FA	OH-DAYTON-1380 SOARING HEIGHTS DR -LEAK-REPAIR~~	1/7/2021	HDPE	1.00 INCH	Main to Meter - Under 200 feet	0	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$11.91	\$24	\$6.07	\$12	\$4,412	\$1,779	\$6,227	\$24	\$12	\$4,412	\$1,779	\$6,227	
			OH-WEST ALEXANDRIA-32 QUAKER TRACE RD -LEAK-REPAIR~~ -LEAK-REPAIR				Main to Meter - Under 200 feet																					
18352171				1/14/2021	HDPE				Unit cost	\$463	Unit cost	\$402	\$5,011	\$2,350	\$8,226	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$463	\$402	\$5,011	\$2,350	\$8,226	
18132924	OHIO	WC	OH-WILMINGTON-265 E LOCUST -LEAK-REPAIR~~	3/5/2021	HDPE		Curb to Meter	3	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$11.91	\$191	\$6.07	\$97	\$4,412	\$1,880	\$6,579	\$191	\$97	\$4,412	\$1,880	\$6,579	
18916000	OHIO	CN	OH-CENTERVILLE-10319 YELLOW LOCUST LN -LEAK-REPAIR~~	6/18/2021	HDPE		Main to Meter - Under 200 feet	97	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$11.91	\$36	\$6.07	\$18	\$4,412	\$1,786	\$6,252	\$36	\$18	\$4,412	\$1,786	\$6,252	
18741012	OHIO	CN	OH-DAYTON-6915 VIENNA WOODS TRL -LEAK-REPAIR~~	4/13/2021	HDPE		Main to Meter - Under 200 feet	63	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$11.91	\$12	\$6.07	\$6	\$4,412	\$1,772	\$6,201	\$12	\$6	\$4,412	\$1,772	\$6,201	
18346897	OHIO	DW	OH-TIPP CITY-9633 BLACKBERRY LN -LEAK-REPAIR~~ -LEAK-REPAIR	1/11/2021	HDPE		Main to Meter - Under 200 feet	56	Unit cost	\$463	Unit cost	\$402	\$5,011	\$2,350	\$8,226	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$463	\$402	\$5,011	\$2,350	\$8,226	
18902730	OHIO	CN	OH-CENTERVILLE-6234 FAR HILLS AVE -LEAK-REPAIR~~ -LEAK-REPAIR	6/13/2021	HDPE		Main to Meter - Under 200 feet	42	Unit cost	\$463	Unit cost	\$402	\$5,011	\$2,350	\$8,226	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$463	\$402	\$5,011	\$2,350	\$8,226	
17518974	OHIO	DW	OH-HUBER HEIGHTS-8945 EMERALDGATE DR -LEAK-REPAIR~~	4/12/2021	HDPE		Main to Meter - Under 200 feet	67	Unit cost	\$463	Unit cost	\$402	\$5,011	\$2,350	\$8,226	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$463	\$402	\$5,011	\$2,350	\$8,226	
17619578	OHIO	CN	OH-DAYTON-5000 CORDELL DR -LEAK-REPAIR~~	5/10/2021	HDPE		Curb to Meter	6	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$11.91	\$24	\$6.07	\$12	\$4,412	\$1,779	\$6,227	\$24	\$12	\$4,412	\$1,779	\$6,227	
18202534	OHIO	FA	OH-SOUTH CHARLESTON-45 S CHURCH ST -LEAK-REPAIR~~	3/19/2021	HDPE		Main to Meter - Under 200 feet	106	Unit cost	\$463	Unit cost	\$402	\$5,011	\$2,350	\$8,226	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$463	\$402	\$5,011	\$2,350	\$8,226	
17313408	OHIO	DW	OH-CLAYTON-426 THELMA AVE -LEAK-REPAIR~~	2/26/2021	HDPE	1.00 INCH	Curb to Meter	1	Unit cost	\$463	Unit cost	\$402	\$5,011	\$2,350	\$8,226	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$463	\$402	\$5,011	\$2,350	\$8,226	
18245053	OHIO	CN	OH-MORAIN-4828 LAUDERDALE DR -LEAK-REPAIR~~	1/7/2021	HDPE		Main to Meter - Under 200 feet	110	Unit cost	\$463	Unit cost	\$402	\$5,011	\$2,350	\$8,226	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$463	\$402	\$5,011	\$2,350	\$8,226	
18560474	OHIO	CN	OH-DAYTON-325 ALBERTA ST -LEAK-REPAIR~~	3/2/2021	HDPE		Meter Set Replacement	0	Unit cost	\$463	Unit cost	\$402	\$5,011	\$2,350	\$8,226	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$463	\$402	\$5,011	\$2,350	\$8,226	
17217909	OHIO	FA	OH-DAYTON-2813 SAN RAE DR -LEAK-REPAIR~~	2/2/2021	HDPE		Main to Meter - Under 200 feet	98	Unit cost	\$463	Unit cost	\$402	\$5,011	\$2,350	\$8,226	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$463	\$402	\$5,011	\$2,350	\$8,226	
18751382	OHIO	DW	OH-DAYTON-1100 E MONUMENT AVE -LEAK-REPAIR~~	4/19/2021	HDPE		Main to Curb	6	Unit cost	\$463	Unit cost	\$402	\$5,011	\$2,350	\$8,226	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$463	\$402	\$5,011	\$2,350	\$8,226	
18520981	OHIO	TR	OH-LUDLOW FALLS-15 FRIEND ST -LEAK-REPAIR~~	0/22/2021	HDPE		Main to Meter - Under 200 feet	0	\$3.15	\$47	\$1.70	\$26	\$3,375	\$1,379	\$4,827	\$8.01	\$120	\$4.34	\$65	\$1,636	\$729	\$2,550	\$167	\$91	\$5,011	\$2,108	\$7,377	
18526932	OHIO	DW	OH-DAYTON-3157 BENCHWOOD RD ~~ GAS SERVICE RENEWAL	2/25/2021			Main to Meter - Under 200 feet	77	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016	
18429083	OHIO	TR	OH-PIQUA-505 WOOD ST -LEAK-REPAIR~~	2/1/2021	HDPE		Main to Meter - Under 200 feet	5	Unit cost	\$463	Unit cost	\$402	\$5,011	\$2,350	\$8,226	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$463	\$402	\$5,011	\$2,350	\$8,226	
	OHIO	WC	OH-WASHINGTON COURT HOUSE-511 E EAST ST ~~ SERVICE RENEWAL-JUNE 2ND	6/2/2021	HDPE		Main to Meter - Under 200 feet	80	\$3.15	\$19	\$1.70	\$10	\$3,375	\$1,362	\$4,766	\$8.01	\$48	\$4.34	\$26	\$1,636	\$684	\$2,395	\$67	\$36	\$5,011	\$2,046	\$7,160	
18531248	OHIO	DW	OH-DAYTON-24 NORTHWOOD AVENUE ~~ SERVICE RENEWAL	2/25/2021	HDPE		Main to Meter - Under 200 feet	85	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$11.91	\$572	\$6.07	\$291	\$4,412	\$2,110	\$7,384	\$572	\$291	\$4,412	\$2,110	\$7,384	
18337840	OHIO	FA	OH-DAYTON-1331 MAYAPPLE AVE -LEAK-REPAIR~~	1/6/2021	HDPE		Main to Meter - Under 200 feet	45	\$3.15	\$151	\$1.70	\$82	\$3,375	\$1,443	\$5,051	\$8.01	\$385	\$4.34	\$208	\$1,636	\$892	\$3,121	\$536	\$290	\$5,011	\$2,335	\$8,172	
	OHIO	WC	OH-WASHINGTON COURT HOUSE-509 E EAST ST ~~ SERVICE RENEWAL-JUNE 2ND					0																				
18871381				6/2/2021	HDPE		Main to Meter - Under 200 feet		\$3.15	\$19	\$1.70	\$10	\$3,375	\$1,362	\$4,766	\$8.01	\$48	\$4.34	\$26	\$1,636	\$684	\$2,395	\$67	\$36	\$5,011	\$2,046	\$7,160	
18443596	OHIO	DW	OH-DAYTON-4713 PRESCOTT AVENUE ~~ SERVICE RENEWAL	4/27/2021	HDPE		Main to Meter - Under 200 feet	33	\$3.15	\$135	\$1.70	\$73	\$3,375	\$1,433	\$5,017	\$8.01	\$345											



CEOH 2021 Service Replacement Work Order Detail & Cost Allocation										Totals (\$000s):																	
										\$127	\$75	\$3,131	\$1,333	\$4,666	\$367	\$200	\$2,033	\$1,040	\$3,641	\$494	\$275	\$5,164	\$2,373	\$8,307			
WONUM	DIV	OC	DESCRIPTION	ACT_FINISH DATE	pipe_installed-material	pipe_installed-size	Service Replacement Type	pipe_installed-length	Main to Curb (Non-Incremental)							Curb to Meter (Incremental)						Grand Total (Main to Curb + Curb to Meter)					
									Labor cost/ft	Labor cost	Mat'l cost/ft	Mat'l cost	Misc cost	Overhead cost	Subtotal main to curb	Labor cost/ft	Labor cost	Mat'l cost/ft	Mat'l cost	Misc cost	Overhead cost	Subtotal curb to meter	Total labor cost	Total mat'l cost	Total misc cost	Total overhead cost	Total all costs
18523230	OHIO	DW	OH-BROOKVILLE-55 CHURCH ST -LEAK-REPAIR~~	2/23/2021	HDPE		Curb to Meter	10	\$3.15	\$120	\$1.70	\$65	\$3,375	\$1,424	\$4,983	\$8.01	\$305	\$4.34	\$165	\$1,636	\$842	\$2,948	\$424	\$230	\$5,011	\$2,266	\$7,931
18816458	OHIO	FA	OH-DAYTON-520 TRAVIS DR -LEAK-REPAIR~~	5/20/2021	HDPE		Main to Meter - Under 200 feet	35	\$3.15	\$217	\$1.70	\$118	\$3,375	\$1,484	\$5,194	\$8.01	\$553	\$4.34	\$299	\$1,636	\$995	\$3,484	\$770	\$417	\$5,011	\$2,479	\$8,678
18424181	OHIO	TR	OH-MINSTER-70 S LINCOLN ST ~~ SERVICE RENEWAL + METER MOVEOUT	1/29/2021	HDPE	1.00 INCH	Main to Meter - Under 200 feet	96	\$3.15	\$126	\$1.70	\$68	\$3,375	\$1,428	\$4,997	\$8.01	\$321	\$4.34	\$173	\$1,636	\$852	\$2,983	\$446	\$242	\$5,011	\$2,280	\$7,979
18443789	OHIO	TR	OH-SIDNEY-817 SECOND AVE -LEAK-REPAIR~~	2/8/2021	HDPE		Main to Meter - Under 200 feet	53	\$3.15	\$308	\$1.70	\$167	\$3,375	\$1,540	\$5,391	\$8.01	\$785	\$4.34	\$425	\$1,636	\$1,139	\$3,985	\$1,094	\$592	\$5,011	\$2,679	\$9,376
18774088	OHIO	FA	OH-DAYTON-1626 SELKIRK RD -LEAK-REPAIR~~	4/28/2021	HDPE		Curb to Meter	46	\$3.15	\$189	\$1.70	\$102	\$3,375	\$1,466	\$5,133	\$8.01	\$481	\$4.34	\$260	\$1,636	\$951	\$3,328	\$670	\$362	\$5,011	\$2,417	\$8,461
18821831	OHIO	DW	OH-DAYTON-558 SUPERIOR AVENUE ~~ SERVICE REPLACEMENT	5/21/2021	HDPE	1.00 INCH	Main to Meter - Under 200 feet	84	\$3.15	\$346	\$1.70	\$187	\$3,375	\$1,563	\$5,472	\$8.01	\$882	\$4.34	\$477	\$1,636	\$1,198	\$4,193	\$1,228	\$664	\$5,011	\$2,761	\$9,665
18774034	OHIO	TR	OH-JACKSON CENTER-315 EAST ST -LEAK-REPAIR~~	5/11/2021	HDPE		Main to Meter - Under 200 feet	57	\$3.15	\$126	\$1.70	\$68	\$3,375	\$1,428	\$4,997	\$8.01	\$321	\$4.34	\$173	\$1,636	\$852	\$2,983	\$446	\$242	\$5,011	\$2,280	\$7,979
18574237	OHIO	TR	OH-TROY-2861 RED OAK CIR -LEAK-REPAIR~~	3/9/2021	HDPE	1.00 INCH	Main to Meter - Under 200 feet	45	\$3.15	\$157	\$1.70	\$85	\$3,375	\$1,447	\$5,065	\$8.01	\$401	\$4.34	\$217	\$1,636	\$902	\$3,155	\$558	\$302	\$5,011	\$2,349	\$8,220
18393748	OHIO	FA	OH-DAYTON-5569 BURKHARDT ST -LEAK-REPAIR~~	1/19/2021	HDPE		Curb to Meter	3	\$3.15	\$217	\$1.70	\$118	\$3,375	\$1,484	\$5,194	\$8.01	\$553	\$4.34	\$299	\$1,636	\$995	\$3,484	\$770	\$417	\$5,011	\$2,479	\$8,678
18909990	OHIO	DW	OH-DAYTON-129 SWALLOW DR -LEAK-REPAIR~~	6/18/2021	HDPE		Main to Meter - Under 200 feet	60	\$3.15	\$129	\$1.70	\$70	\$3,375	\$1,430	\$5,003	\$8.01	\$329	\$4.34	\$178	\$1,636	\$857	\$3,000	\$458	\$248	\$5,011	\$2,287	\$8,003
18521308	OHIO	DW	OH-DAYTON-12 N SUNRISE -LEAK-REPAIR~~	2/23/2021	HDPE		Meter Set Replacement	0	\$3.15	\$214	\$1.70	\$116	\$3,375	\$1,482	\$5,187	\$8.01	\$545	\$4.34	\$295	\$1,636	\$990	\$3,467	\$759	\$411	\$5,011	\$2,472	\$8,654
18259496	OHIO	FA	OH-NEW CARLISLE-303 FLORA AVE -LEAK-REPAIR~~	5/17/2021	HDPE		Main to Meter - Under 200 feet	88	\$3.15	\$214	\$1.70	\$116	\$3,375	\$1,482	\$5,187	\$8.01	\$545	\$4.34	\$295	\$1,636	\$990	\$3,467	\$759	\$411	\$5,011	\$2,472	\$8,654
18899517	OHIO	DW	OH-DAYTON-3734 SEIBER AVENUE -LEAK-REPAIR~~	6/11/2021	HDPE		Meter Set Replacement	0	\$3.15	\$274	\$1.70	\$148	\$3,375	\$1,519	\$5,316	\$8.01	\$697	\$4.34	\$377	\$1,636	\$1,084	\$3,795	\$971	\$526	\$5,011	\$2,603	\$9,111
18774030	OHIO	DW	OH-DAYTON-2019 EDGEWORTH AVE -LEAK-REPAIR~~	4/28/2021	HDPE		Curb to Meter	35	\$3.15	\$173	\$1.70	\$94	\$3,375	\$1,457	\$5,099	\$8.01	\$441	\$4.34	\$239	\$1,636	\$926	\$3,242	\$614	\$332	\$5,011	\$2,383	\$8,340
18094780	OHIO	CN	OH-CENTERVILLE-194 LINDEN DR -LEAK-REPAIR~~	4/5/2021	HDPE		Main to Meter - Under 200 feet	0	\$3.15	\$249	\$1.70	\$135	\$3,375	\$1,503	\$5,262	\$8.01	\$633	\$4.34	\$343	\$1,636	\$1,045	\$3,657	\$882	\$477	\$5,011	\$2,548	\$8,918
18206018	OHIO	FA	OH-SOUTH CHARLESTON-224 E COLUMBUS RD -LEAK-REPAIR~~	5/11/2021	HDPE		Main to Meter - Under 200 feet	106	\$3.15	\$353	\$1.70	\$191	\$3,375	\$1,567	\$5,486	\$8.01	\$898	\$4.34	\$486	\$1,636	\$1,208	\$4,228	\$1,250	\$677	\$5,011	\$2,775	\$9,713
18804653	OHIO	DW	OH-DAYTON-4604 WIRE DR -LEAK-REPAIR~~	5/25/2021	HDPE		Curb to Meter	38	\$3.15	\$195	\$1.70	\$106	\$3,375	\$1,470	\$5,146	\$8.01	\$497	\$4.34	\$269	\$1,636	\$961	\$3,363	\$692	\$375	\$5,011	\$2,431	\$8,509
18766449	OHIO	FA	OH-DAYTON-1384 LARAMIE DR -LEAK-REPAIR~~	4/23/2021	HDPE		Curb to Meter	18	\$3.15	\$186	\$1.70	\$101	\$3,375	\$1,464	\$5,126	\$8.01	\$473	\$4.34	\$256	\$1,636	\$946	\$3,311	\$659	\$356	\$5,011	\$2,411	\$8,437
18393229	OHIO	TR	OH-NEW BREMEN-6932 LOCK TWO NORTH RD -LEAK-REPAIR~~	1/19/2021	HDPE		Main to Meter - Under 200 feet	0	\$3.15	\$132	\$1.70	\$72	\$3,375	\$1,432	\$5,010	\$8.01	\$337	\$4.34	\$182	\$1,636	\$862	\$3,017	\$469	\$254	\$5,011	\$2,294	\$8,027
18599848	OHIO	FA	OH-DAYTON-1596 EDENDALE RD -LEAK-REPAIR~~	3/19/2021	HDPE		Main to Meter - Under 200 feet	48	\$3.15	\$135	\$1.70	\$73	\$3,375	\$1,433	\$5,017	\$8.01	\$345	\$4.34	\$187	\$1,636	\$867	\$3,034	\$480	\$260	\$5,011	\$2,300	\$8,051
18635329	OHIO	FA	OH-DAYTON-219 S. HAYDEN AVE -LEAK-REPAIR~~	3/24/2021	HDPE		Meter Set Replacement	0	\$3.15	\$305	\$1.70	\$165	\$3,375	\$1,538	\$5,384	\$8.01	\$777	\$4.34	\$421	\$1,636	\$1,134	\$3,968	\$1,083	\$586	\$5,011	\$2,672	\$9,352
18810314	OHIO	DW	OH-DAYTON-1832 FIELDSTONE -LEAK-REPAIR~~	5/27/2021	HDPE		Main to Meter - Under 200 feet	70	\$3.15	\$139	\$1.70	\$75	\$3,375	\$1,435	\$5,024	\$8.01	\$353	\$4.34	\$191	\$1,636	\$872	\$3,052	\$491	\$266	\$5,011	\$2,307	\$8,076
18559638	OHIO	CN	OH-DAYTON-50 THEOBALD CT ~~RELO	4/21/2021	HDPE	1.00 INCH	Meter Set Replacement	0	\$3.15	\$44																	

CEOH 2021 Service Replacement Work Order Detail & Cost Allocation																																												
										Totals (\$000s):																																		
										\$127							\$75		\$3,131		\$1,333		\$4,666		\$367		\$200		\$2,033		\$1,040		\$3,641		\$494		\$275		\$5,164		\$2,373		\$8,307	
										Main to Curb (Non-Incremental)							Curb to Meter (Incremental)							Grand Total (Main to Curb + Curb to Meter)																				
WONUM	DIV	OC	DESCRIPTION	ACT_FINISH DATE	pipe_installed-material	pipe_installed-size	Service Replacement Type	pipe_installed-length	Labor cost/ft	Labor cost	Mat'l cost/ft	Mat'l cost	Misc cost	Overhead cost	Subtotal main to curb	Labor cost/ft	Labor cost	Mat'l cost/ft	Mat'l cost	Misc cost	Overhead cost	Subtotal curb to meter	Total labor cost	Total mat'l cost	Total misc cost	Total overhead cost	Total all costs																	
18446849	OHIO	FA	OH-YELLOW SPRINGS-1120 1120 AND 1130 PRESIDENT ST --- RENEW SERVICES MAIN TO METERS	2/8/2021	HDPE		Main to Curb	0	\$3.15	\$759	\$0.68	\$165	\$3,375	\$1,719	\$6,018	\$8.01	\$1,932	\$1.74	\$419	\$1,636	\$1,595	\$5,582	\$2,690	\$584	\$5,011	\$3,314	\$11,599																	
18412287	OHIO	DW	OH-DAYTON-1531 KIPLING DR --- NEW SERVICE INSTALL	1/25/2021	HDPE		Meter Set Replacement	0	\$3.15	\$242	\$1.70	\$131	\$3,375	\$1,499	\$5,248	\$8.01	\$617	\$4.34	\$334	\$1,636	\$1,035	\$3,622	\$860	\$465	\$5,011	\$2,534	\$8,870																	
18772644	OHIO	CN	OH-DAYTON-972 W ALEX BELL RD ---RELOG	6/4/2021	HDPE		Main to Meter - Under 200 feet	20	\$3.15	\$463	\$1.70	\$250	\$3,375	\$1,635	\$5,723	\$8.01	\$1,178	\$4.34	\$638	\$1,636	\$1,381	\$4,833	\$1,641	\$888	\$5,011	\$3,016	\$10,556																	
18570993	OHIO	DW	OH-RIVERSIDE-3740 CORKWOOD DR -LEAK-REPAIR---	3/16/2021	HDPE	1.00 INCH	Main to Meter - Under 200 feet	76	\$3.15	\$239	\$1.70	\$129	\$3,375	\$1,497	\$5,241	\$8.01	\$609	\$4.34	\$330	\$1,636	\$1,030	\$3,605	\$848	\$459	\$5,011	\$2,527	\$8,846																	
18458148	OHIO	DW	OH-DAYTON-309 KNECHT DR -LEAK-REPAIR---	2/12/2021	HDPE		Main to Meter - Under 200 feet	160	\$3.15	\$154	\$1.70	\$83	\$3,375	\$1,445	\$5,058	\$8.01	\$393	\$4.34	\$213	\$1,636	\$897	\$3,138	\$547	\$296	\$5,011	\$2,342	\$8,196																	
18821308	OHIO	BF	OH-WEST LIBERTY-201 S TAYLOR ST ---RELOG	6/8/2021	HDPE		Main to Meter - Under 200 feet	72	\$3.15	\$214	\$1.70	\$116	\$3,375	\$1,482	\$5,187	\$8.01	\$545	\$4.34	\$295	\$1,636	\$990	\$3,467	\$759	\$411	\$5,011	\$2,472	\$8,654																	
17537825	OHIO	DW	OH-DAYTON-1010 OTTAWA ST BLDG 7---	3/29/2021	HDPE		Main to Meter - Under 200 feet	126	\$3.15	\$334	\$1.70	\$181	\$3,375	\$1,556	\$5,445	\$8.01	\$850	\$4.34	\$460	\$1,636	\$1,178	\$4,124	\$1,183	\$640	\$5,011	\$2,734	\$9,569																	
18866405	OHIO	DW	OH-EATON-1739 OLD CAMDEN PIKE -LEAK-REPAIR---	6/1/2021	HDPE	1.00 INCH	Main to Meter - Under 200 feet	80	\$3.15	\$110	\$1.70	\$60	\$3,375	\$1,418	\$4,963	\$8.01	\$281	\$4.34	\$152	\$1,636	\$827	\$2,896	\$391	\$211	\$5,011	\$2,245	\$7,859																	
18805164	OHIO	TR	OH-FORT LORAMIE-52 ELM -LEAK-REPAIR---	5/18/2021	HDPE	1.00 INCH	Meter Set Replacement	0	\$3.15	\$242	\$1.70	\$131	\$3,375	\$1,499	\$5,248	\$8.01	\$617	\$4.34	\$334	\$1,636	\$1,035	\$3,622	\$860	\$465	\$5,011	\$2,534	\$8,870																	
18437355	OHIO	FA	OH-FAIRBORN-8 FORESTDAL AVE HSMTR --- RENEW SERVICE DUE TO CORROSION ISSUE	5/19/2021	HDPE		Main to Meter - Under 200 feet	134	\$3.15	\$208	\$1.70	\$112	\$3,375	\$1,478	\$5,173	\$8.01	\$529	\$4.34	\$286	\$1,636	\$981	\$3,432	\$737	\$399	\$5,011	\$2,459	\$8,605																	
18530498	OHIO	DW	OH-NEW LEBANON-1125 W MAIN ST -LEAK-REPAIR---	2/24/2021	STEEL	0.75 INCH	Main to Meter - Under 200 feet	79	\$3.15	\$54	\$1.70	\$29	\$3,375	\$1,383	\$4,840	\$8.01	\$136	\$4.34	\$74	\$1,636	\$739	\$2,585	\$190	\$103	\$5,011	\$2,121	\$7,425																	
18903808	OHIO	CN	OH-KETTERING-2379 S PATTERSON RD --- RENEW SERVICE	6/11/2021	HDPE	1.00 INCH	Main to Meter - Under 200 feet	106	\$3.15	\$151	\$1.70	\$82	\$3,375	\$1,443	\$5,051	\$8.01	\$385	\$4.34	\$208	\$1,636	\$892	\$3,121	\$536	\$290	\$5,011	\$2,335	\$8,172																	
18410059	OHIO	DW	OH-DAYTON-1230 W HILLCREST DR -LEAK-REPAIR---	1/22/2021	HDPE		Main to Meter - Under 200 feet	90	\$3.15	\$252	\$1.70	\$136	\$3,375	\$1,505	\$5,268	\$8.01	\$641	\$4.34	\$347	\$1,636	\$1,050	\$3,674	\$893	\$483	\$5,011	\$2,555	\$8,943																	
18632293	OHIO	CN	OH-MIAMISBURG-608 N LINDSEY AVE -LEAK-REPAIR---	3/23/2021	HDPE		Main to Meter - Under 200 feet	55	\$3.15	\$154	\$1.70	\$83	\$3,375	\$1,445	\$5,058	\$8.01	\$393	\$4.34	\$213	\$1,636	\$897	\$3,138	\$547	\$296	\$5,011	\$2,342	\$8,196																	
18255684	OHIO	CN	OH-DAYTON-516 S EUCLID AVE -LEAK-REPAIR---	5/3/2021	HDPE		Main to Meter - Under 200 feet	83	\$3.15	\$261	\$1.70	\$141	\$3,375	\$1,511	\$5,289	\$8.01	\$665	\$4.34	\$360	\$1,636	\$1,065	\$3,726	\$926	\$501	\$5,011	\$2,576	\$9,015																	
18420673	OHIO	FA	OH-DAYTON-127 BIG PINE RD ---RELOG	6/7/2021	HDPE	1.00 INCH	Main to Meter - Under 200 feet	0	\$3.15	\$91	\$1.70	\$49	\$3,375	\$1,406	\$4,922	\$8.01	\$232	\$4.34	\$126	\$1,636	\$798	\$2,792	\$324	\$175	\$5,011	\$2,204	\$7,714																	
18283334	OHIO	CN	OH-DAYTON-22 S UPLAND --- SERVICE RENEWAL	1/7/2021	HDPE	1.00 INCH	Main to Meter - Under 200 feet	78	\$3.15	\$242	\$1.70	\$131	\$3,375	\$1,499	\$5,248	\$8.01	\$617	\$4.34	\$334	\$1,636	\$1,035	\$3,622	\$860	\$465	\$5,011	\$2,534	\$8,870																	
18599410	OHIO	DW	OH-DAYTON-401 HUDSON AVE W-LEAK-REPAIR---	3/22/2021	HDPE		Main to Meter - Under 200 feet	47	\$3.15	\$324	\$1.70	\$175	\$3,375	\$1,550	\$5,425	\$8.01	\$826	\$4.34	\$447	\$1,636	\$1,163	\$4,072	\$1,150	\$622	\$5,011	\$2,713	\$9,497																	
17311482	OHIO	DW	OH-UNION-201 MERRYMAID DR -LEAK-REPAIR---	2/26/2021	HDPE		Meter Set Replacement	0	\$3.15	\$148	\$1.70	\$80	\$3,375	\$1,441	\$5,044	\$8.01	\$377	\$4.34	\$204	\$1,636	\$887	\$3,104	\$525	\$284	\$5,011	\$2,328	\$8,148																	
18740520	OHIO	CN	OH-DAYTON-2308 CANDLEWOOD DR -LEAK-REPAIR---	4/8/2021	HDPE		Meter Set Replacement	0	\$3.15	\$154	\$1.70	\$83	\$3,375	\$1,445	\$5,058	\$8.01	\$393	\$4.34	\$213	\$1,636	\$897	\$3,138	\$547	\$296	\$5,011	\$2,342	\$8,196																	
18540977	OHIO	FA	OH-XENIA-1783 ATKINSON DR -LEAK-REPAIR---	3/22/2021	HDPE		Main to Meter - Under 200 feet	76	\$3.15	\$94	\$1.70	\$51	\$3,375	\$1,408	\$4,929	\$8.01	\$240	\$4.34	\$130	\$1,636	\$803	\$2,810	\$335	\$181	\$5,011	\$2,211	\$7,738																	
18417938	OHIO	TR	OH-MINSTER-153 S LINCOLN -LEAK-REPAIR---	1/27/2021	HDPE	1.00 INCH	Main to Meter - Under 200 feet	55	\$3.15	\$400	\$1.70	\$216	\$3,375	\$1,596	\$5,588	\$8.01	\$1,018	\$4.34	\$551	\$1,636	\$1,282	\$4,487	\$1,418	\$767	\$5,011	\$2,878	\$10,075																	



### CEOH 2021 Service Replacement Work Order Detail & Cost Allocation

**Totals (\$000s):**

\$127

\$75      \$3

\$1,333

4,666

\$367

\$200

33 \$1,04

**\$3,641**

\$494

\$5,164

373

7

								Main to Curb (Non-Incremental)								Curb to Meter (Incremental)								Grand Total (Main to Curb + Curb to Meter)				
WONUM	DIV	OC	DESCRIPTION	ACT_FINISH DATE	pipe_installed-material	pipe_installed-size	Service Replacement Type	pipe_installed-length	Labor cost/ft	Labor cost	Mat'l cost/ft	Mat'l cost	Misc cost	Overhead cost	Subtotal main to curb	Labor cost/ft	Labor cost	Mat'l cost/ft	Mat'l cost	Misc cost	Overhead cost	Subtotal curb to meter	Total labor cost	Total mat'l cost	Total misc cost	Total overhead cost	Total all costs	
18450821	OHIO	DW	OH-DAYTON-2053 HARVARD BLVD ---RELOG	3/19/2021	HDPE	1.00 INCH	Main to Meter - Under 200 feet	78	\$3.15	\$173	\$1.70	\$94	\$3,375	\$1,457	\$5,099	\$8.01	\$441	\$4.34	\$239	\$1,636	\$926	\$3,242	\$614	\$332	\$5,011	\$2,383	\$8,340	
18747971	OHIO	DW	OH-DAYTON-333 E NOTTINGHAM RD -LEAK-REPAIR---	4/15/2021	HDPE		Main to Meter - Under 200 feet	131	\$3.15	\$173	\$1.70	\$94	\$3,375	\$1,457	\$5,099	\$8.01	\$441	\$4.34	\$239	\$1,636	\$926	\$3,242	\$614	\$332	\$5,011	\$2,383	\$8,340	
18191283	OHIO	CN	OH-DAYTON-5319 HAXTON DR -LEAK-REPAIR---	4/5/2021	HDPE		Main to Meter - Under 200 feet	186	\$3.15	\$283	\$1.70	\$153	\$3,375	\$1,525	\$5,336	\$8.01	\$721	\$4.34	\$390	\$1,636	\$1,099	\$3,847	\$1,005	\$544	\$5,011	\$2,624	\$9,183	
18738064	OHIO	DW	OH-DAYTON-5721 CRAIGMONT CT -LEAK-REPAIR---	4/12/2021	HDPE	1.00 INCH	Main to Meter - Under 200 feet	60	\$3.15	\$173	\$1.70	\$94	\$3,375	\$1,457	\$5,09													

CEOH 2021 Service Replacement Work Order Detail & Cost Allocation																											
Totals (\$000s):										\$127	\$75	\$3,131	\$1,333	\$4,666	\$367	\$200	\$2,033	\$1,040	\$3,641	\$494	\$275	\$5,164	\$2,373	\$8,307			
WONUM	DIV	OC	DESCRIPTION	ACT_FINISH DATE	pipe_installed-material	pipe_installed-size	Service Replacement Type	pipe_installed-length	Main to Curb (Non-Incremental)							Curb to Meter (Incremental)						Grand Total (Main to Curb + Curb to Meter)					
									Labor cost/ft	Labor cost	Mat'l cost/ft	Mat'l cost	Misc cost	Overhead cost	Subtotal main to curb	Labor cost/ft	Labor cost	Mat'l cost/ft	Mat'l cost	Misc cost	Overhead cost	Subtotal curb to meter	Total labor cost	Total mat'l cost	Total misc cost	Total overhead cost	Total all costs
18557847	OHIO	FA	OH-FAIRBORN-806 WINSTON DR -LEAK-REPAIR~~ -LEAK-REPAIR	2/27/2021	HDPE		Main to Meter - Under 200 feet	70	\$3.15	\$6	\$1.70	\$3	\$3,375	\$1,354	\$4,739	\$8.01	\$16	\$4.34	\$9	\$1,636	\$664	\$2,325	\$22	\$12	\$5,011	\$2,018	\$7,064
18735189	OHIO	DW	OH-ENGLEWOOD-261 PORTER DR -LEAK-REPAIR~~ -LEAK-REPAIR	4/5/2021	HDPE		Main to Curb	2	\$3.15	\$3	\$1.70	\$2	\$3,375	\$1,352	\$4,732	\$8.01	\$8	\$4.34	\$4	\$1,636	\$659	\$2,308	\$11	\$6	\$5,011	\$2,011	\$7,040
18104226	OHIO	TR	OH-BRADFORD-200 E WALNUT -LEAK-REPAIR~~	2/8/2021	HDPE		Main to Meter - Under 200 feet	76	\$3.15	\$315	\$1.70	\$170	\$3,375	\$1,544	\$5,404	\$8.01	\$801	\$4.34	\$434	\$1,636	\$1,149	\$4,020	\$1,116	\$604	\$5,011	\$2,693	\$9,424
18584081	OHIO	BF	OH-BELLEFONTAINE-508 E BROWN AVE -LEAK-REPAIR~~ -LEAK-REPAIR	3/13/2021	HDPE		Main to Meter - Under 200 feet	78	\$3.15	\$3	\$1.70	\$2	\$3,375	\$1,352	\$4,732	\$8.01	\$8	\$4.34	\$4	\$1,636	\$659	\$2,308	\$11	\$6	\$5,011	\$2,011	\$7,040
18637428	OHIO	TR	OH-TROY-1112 RED MAPLE DR -LEAK-REPAIR~~ -LEAK-REPAIR	2/3/2021	HDPE		Curb to Meter	2	\$3.15	\$6	\$1.70	\$3	\$3,375	\$1,354	\$4,739	\$8.01	\$16	\$4.34	\$9	\$1,636	\$664	\$2,325	\$22	\$12	\$5,011	\$2,018	\$7,064
18750991	OHIO	FA	OH-XENIA-1040 JUNE DR ~~ SERVICE RENEWAL	4/20/2021	HDPE		Main to Meter - Under 200 feet	65	\$3.15	\$189	\$1.70	\$102	\$3,375	\$1,466	\$5,133	\$8.01	\$481	\$4.34	\$260	\$1,636	\$951	\$3,328	\$670	\$362	\$5,011	\$2,417	\$8,461
18587876	OHIO	DW	OH-DAYTON-36 REDDER AVE -LEAK-REPAIR~~	3/17/2021	HDPE		Meter Set Replacement	0	\$3.15	\$189	\$1.70	\$102	\$3,375	\$1,466	\$5,133	\$8.01	\$481	\$4.34	\$260	\$1,636	\$951	\$3,328	\$670	\$362	\$5,011	\$2,417	\$8,461
18345721	OHIO	TR	OH-TROY-1830 NORMANDY LN -LEAK-REPAIR~~	1/13/2021	HDPE		Main to Meter - Under 200 feet	88	\$3.15	\$3	\$1.70	\$2	\$3,375	\$1,352	\$4,732	\$8.01	\$8	\$4.34	\$4	\$1,636	\$659	\$2,308	\$11	\$6	\$5,011	\$2,011	\$7,040
18454255	OHIO	CN	OH-DAYTON-2076 MAPLECREST DR ~~RELOG	3/3/2021	HDPE		Main to Meter - Under 200 feet	51	\$3.15	\$16	\$1.70	\$9	\$3,375	\$1,360	\$4,759	\$8.01	\$40	\$4.34	\$22	\$1,636	\$679	\$2,377	\$56	\$30	\$5,011	\$2,039	\$7,136
18789785	OHIO	FA	OH-XENIA-564 SMITH AVE -LEAK-REPAIR~~ -LEAK-REPAIR	5/6/2021	HDPE		Curb to Meter	3	\$3.15	\$9	\$1.70	\$5	\$3,375	\$1,356	\$4,745	\$8.01	\$24	\$4.34	\$13	\$1,636	\$669	\$2,343	\$33	\$18	\$5,011	\$2,025	\$7,088
18876245	OHIO	DW	OH-DAYTON-330 GREATOAKS DR -LEAK-REPAIR~~ -LEAK-REPAIR	5/30/2021	HDPE		Main to Meter - Under 200 feet	0	\$3.15	\$16	\$1.70	\$9	\$3,375	\$1,360	\$4,759	\$8.01	\$40	\$4.34	\$22	\$1,636	\$679	\$2,377	\$56	\$30	\$5,011	\$2,039	\$7,136
18758959	OHIO	FA	OH-DAYTON-1628 ROCKHURST AVE ~~ RENEW SERV AND MOVE MTR OS- FAULTY REG	4/26/2021	HDPE		Meter Set Replacement		\$3.15	\$173	\$1.70	\$94	\$3,375	\$1,457	\$5,099	\$8.01	\$441	\$4.34	\$239	\$1,636	\$926	\$3,242	\$614	\$332	\$5,011	\$2,383	\$8,340
18420134	OHIO	CN	OH-DAYTON-2195 SCHENLEY AVE -LEAK-REPAIR~~	6/2/2021	HDPE		Main to Meter - Under 200 feet	22	\$3.15	\$145	\$1.70	\$78	\$3,375	\$1,439	\$5,037	\$8.01	\$369	\$4.34	\$200	\$1,636	\$882	\$3,086	\$513	\$278	\$5,011	\$2,321	\$8,124
17337479	OHIO	DW	OH-DAYTON-3930 OTIS -LEAK-REPAIR~~	1/27/2021	HDPE		Main to Meter - Under 200 feet	79	\$3.15	\$142	\$1.70	\$77	\$3,375	\$1,437	\$5,031	\$8.01	\$361	\$4.34	\$195	\$1,636	\$877	\$3,069	\$502	\$272	\$5,011	\$2,314	\$8,100
	OHIO	CN	OH-CENTERVILLE-9756 WINDINC CREEK BLVD -LEAK-REPAIR~~ -LEAK-REPAIR					59																			
18878473				6/1/2021	HDPE		Main to Meter - Under 200 feet		\$3.15	\$9	\$1.70	\$5	\$3,375	\$1,356	\$4,745	\$8.01	\$24	\$4.34	\$13	\$1,636	\$669	\$2,343	\$33	\$18	\$5,011	\$2,025	\$7,088
18826501	OHIO	TR	OH-GREENVILLE-8805 SR 118 -LEAK-REPAIR~~ -LEAK-REPAIR	5/20/2021	HDPE		Main to Meter - Under 200 feet	55	\$3.15	\$9	\$1.70	\$5	\$3,375	\$1,356	\$4,745	\$8.01	\$24	\$4.34	\$13	\$1,636	\$669	\$2,343	\$33	\$18	\$5,011	\$2,025	\$7,088
18436994	OHIO	CN	OH-GERMANTOWN-106 MARK COURT -LEAK-REPAIR~~	2/4/2021	HDPE	1.00 INCH	Meter Set Replacement	0	\$3.15	\$157	\$1.70	\$85	\$3,375	\$1,447	\$5,065	\$8.01	\$401	\$4.34	\$217	\$1,636	\$902	\$3,155	\$558	\$302	\$5,011	\$2,349	\$8,220
18454653	OHIO	CN	OH-DAYTON-2102 HERITAGE POINT DR ~~RELOG	2/23/2021	MDPE		Main to Meter - Under 200 feet	164	\$3.15	\$16	\$1.70	\$9	\$3,375	\$1,360	\$4,759	\$8.01	\$40	\$4.34	\$22	\$1,636	\$679	\$2,377	\$56	\$30	\$5,011	\$2,039	\$7,136
18335635	OHIO	CN	OH-DAYTON-2100 S PATTERSON -LEAK-REPAIR~~	1/5/2021	HDPE		Main to Meter - Under 200 feet	26	\$3.15	\$126	\$1.70	\$68	\$3,375	\$1,428	\$4,997	\$8.01	\$321	\$4.34	\$173	\$1,636	\$852	\$2,983	\$446	\$242	\$5,011	\$2,280	\$7,979
18374364	OHIO	WC	OH-WASHINGTON COURT HOUSE-502 HIGHLAND AVE -LEAK-REPAIR~~	1/18/2021	HDPE		Main to Curb	0	\$3.15	\$321	\$1.70	\$174	\$3,375	\$1,548	\$5,418	\$8.01	\$817	\$4.34	\$442	\$1,636	\$1,158	\$4,055	\$1,139	\$616	\$5,011	\$2,706	\$9,472
18190576	OHIO	DW	OH-DAYTON-4729 WIRE DR ~~RENEW SERVICE	3/1/2021	HDPE		Main to Meter - Under 200 feet	60	\$3.15	\$195	\$1.70	\$106	\$3,375	\$1,470	\$5,146	\$8.01	\$497	\$4.34	\$269	\$1,636	\$961	\$3,363	\$692	\$375	\$5,011	\$2,431	\$8,509
18457055	OHIO	CN	OH-DAYTON-533 MAJESTIC DR ~~ SERVICE REPLACEMENT	1/29/2021	HDPE		Main to Meter - Under 200 feet	96	\$3.15	\$173	\$1.70	\$94	\$3,375	\$1,457	\$5,099	\$8.01	\$441	\$4.34	\$239	\$1,636	\$926	\$3,242	\$614	\$332	\$5,011	\$2,383	\$8,340
18349647	OHIO	FA	OH-RIVERSIDE-4220 DELHI DR -LEAK-REPAIR~~ -LEAK-REPAIR	1/13/2021	HDPE		Meter Set Replacement	0	\$3.15	\$321	\$1.70	\$174	\$3,375	\$1,548	\$5,418	\$8.01	\$817	\$4.34	\$442	\$1,636	\$1,158	\$4,055	\$1,139	\$616	\$5,011	\$2,706	\$9,472
18565489	OHIO	DW	OH-DAYTON-4909 WIRE DR -LEAK-REPAIR~~	3/3/2021	HDPE		Main to Meter - Under 200 feet	71	\$3.15	\$9	\$1.70	\$5	\$3,375	\$1,356	\$4,745	\$8.01	\$24	\$4.34	\$13	\$1,636	\$669	\$2,343	\$33	\$18	\$5,011	\$2,025	\$7,088
18588901	OHIO	CN	OH-BELLBROOK-2132 MARCIA DR -LEAK-REPAIR~~	3/24/2021	HDPE		Main to Meter - Under 200 feet	140	\$3.15	\$299	\$1.70	\$162	\$3,375	\$1,534	\$5,370	\$8.01	\$761	\$4.34	\$412	\$1,636	\$1,124	\$3,934	\$1,060	\$574	\$5,011	\$2,658	\$9,304
17409964	OHIO	CN	OH-DAYTON-3316 HIGHGROVE PL -LEAK-REPAIR~~	4/9/2021	HDPE		Meter Set Replacement	0	\$3.15	\$186	\$1.70	\$101	\$3,375	\$1,464	\$5,												



CEOH 2021 Service Replacement Work Order Detail & Cost Allocation																												
Totals (\$000s):										\$127	\$75	\$3,131	\$1,333	\$4,666	\$367	\$200	\$2,033	\$1,040	\$3,641	\$494	\$275	\$5,164	\$2,373	\$8,307				
										Main to Curb (Non-Incremental)							Curb to Meter (Incremental)						Grand Total (Main to Curb + Curb to Meter)					
WONUM	DIV	OC	DESCRIPTION	ACT_FINISH DATE	pipe_installed-material	pipe_installed-size	Service Replacement Type	pipe_installed-length		Labor cost/ft	Labor cost	Mat'l cost/ft	Mat'l cost	Misc cost	Overhead cost	Subtotal main to curb	Labor cost/ft	Labor cost	Mat'l cost/ft	Mat'l cost	Misc cost	Overhead cost	Subtotal curb to meter	Total labor cost	Total mat'l cost	Total misc cost	Total overhead cost	Total all costs
18870033	OHIO	DW	OH-DAYTON-25 E BEECHWOOD AVE -LEAK-REPAIR~~	5/27/2021	HDPE		Main to Meter - Under 200 feet	0		\$3.15	\$164	\$1.70	\$89	\$3,375	\$1,451	\$5,078	\$8.01	\$417	\$4.34	\$226	\$1,636	\$911	\$3,190	\$580	\$314	\$5,011	\$2,362	\$8,268
18580264	OHIO	CN	OH-KETTERING-2821 HARVEY AVE -LEAK-REPAIR~~ -LEAK-REPAIR	3/11/2021	HDPE		Curb to Meter	16		\$3.15	\$13	\$1.70	\$7	\$3,375	\$1,358	\$4,752	\$8.01	\$32	\$4.34	\$17	\$1,636	\$674	\$2,360	\$45	\$24	\$5,011	\$2,032	\$7,112
18909303			OH-HUBER HEIGHTS-5997 CHARLESGATE RD -LEAK-REPAIR~~ -LEAK-REPAIR	6/16/2021	HDPE		Main to Meter - Under 200 feet	0		\$3.15	\$3	\$1.70	\$2	\$3,375	\$1,352	\$4,732	\$8.01	\$8	\$4.34	\$4	\$1,636	\$659	\$2,308	\$11	\$6	\$5,011	\$2,011	\$7,040
18392853	OHIO	DW	OH-DAYTON-5805 JENNYSIM PL -LEAK-REPAIR~~	1/19/2021	HDPE		Main to Meter - Under 200 feet	112		\$3.15	\$220	\$1.70	\$119	\$3,375	\$1,486	\$5,200	\$8.01	\$561	\$4.34	\$304	\$1,636	\$1,000	\$3,501	\$781	\$423	\$5,011	\$2,486	\$8,702
17703309	OHIO	CN	OH-DAYTON-324 ORCHARD HILL DR -LEAK-REPAIR~~	6/14/2021	HDPE		Meter Set Replacement	0		\$3.15	\$277	\$1.70	\$150	\$3,375	\$1,521	\$5,323	\$8.01	\$705	\$4.34	\$382	\$1,636	\$1,089	\$3,813	\$982	\$532	\$5,011	\$2,610	\$9,135
18765454	OHIO	DW	OH-ENGLEWOOD-8 W NATIONAL RD -LEAK-REPAIR~~ -LEAK-REPAIR	4/21/2021	HDPE		Main to Meter - Under 200 feet	40		\$3.15	\$9	\$1.70	\$5	\$3,375	\$1,356	\$4,745	\$8.01	\$24	\$4.34	\$13	\$1,636	\$669	\$2,343	\$33	\$18	\$5,011	\$2,025	\$7,088
18594354	OHIO	DW	OH-DAYTON-4807 ROSS AVE -LEAK-REPAIR~~ -LEAK-REPAIR	3/17/2021	MDPE		Main to Meter - Under 200 feet	54		\$3.15	\$3	\$1.70	\$2	\$3,375	\$1,352	\$4,732	\$8.01	\$8	\$4.34	\$4	\$1,636	\$659	\$2,308	\$11	\$6	\$5,011	\$2,011	\$7,040
18775158	OHIO	DW	OH-DAYTON-121 SWALLOW DR -LEAK-REPAIR~~	6/9/2021	HDPE		Main to Meter - Under 200 feet	0		\$3.15	\$123	\$1.70	\$66	\$3,375	\$1,426	\$4,990	\$8.01	\$313	\$4.34	\$169	\$1,636	\$847	\$2,965	\$435	\$236	\$5,011	\$2,273	\$7,955
18634833	OHIO	CN	OH-DAYTON-9378 FOXBURROW WAY -LEAK-REPAIR~~	3/23/2021	HDPE	1.00 INCH	Main to Meter - Under 200 feet	40		\$3.15	\$3	\$1.70	\$2	\$3,375	\$1,352	\$4,732	\$8.01	\$8	\$4.34	\$4	\$1,636	\$659	\$2,308	\$11	\$6	\$5,011	\$2,011	\$7,040
18446896	OHIO	CN	OH-DAYTON-2700 MIAMISBURG CENTERVILLE RD UNIT 366~~-RELOG	3/11/2021	HDPE		Meter Set Replacement	0		\$3.15	\$54	\$1.70	\$29	\$3,375	\$1,383	\$4,840	\$8.01	\$136	\$4.34	\$74	\$1,636	\$739	\$2,585	\$190	\$103	\$5,011	\$2,121	\$7,425
18352559	OHIO	CN	OH-DAYTON-2424 MUNDALE AVE -LEAK-REPAIR~~ -LEAK-REPAIR	1/13/2021	HDPE		Main to Meter - Under 200 feet	58		\$3.15	\$9	\$1.70	\$5	\$3,375	\$1,356	\$4,745	\$8.01	\$24	\$4.34	\$13	\$1,636	\$669	\$2,343	\$33	\$18	\$5,011	\$2,025	\$7,088
17397770	OHIO	DW	OH-HUBER HEIGHTS-7743 MARK AVE -LEAK-REPAIR~~	3/1/2021	HDPE		Main to Meter - Under 200 feet	0		\$3.15	\$277	\$1.70	\$150	\$3,375	\$1,521	\$5,323	\$8.01	\$705	\$4.34	\$382	\$1,636	\$1,089	\$3,813	\$982	\$532	\$5,011	\$2,610	\$9,135
17505990	OHIO	DW	OH-DE GRAFF-1565 WEST SECOND STREET -LEAK-REPAIR~~	4/16/2021	HDPE		Main to Meter - Under 200 feet	64		\$3.15	\$110	\$1.70	\$60	\$3,375	\$1,418	\$4,963	\$8.01	\$281	\$4.34	\$152	\$1,636	\$827	\$2,896	\$391	\$211	\$5,011	\$2,245	\$7,859
18536076	OHIO	DW	OH-DAYTON-160 WALDORF DR -LEAK-REPAIR~~	2/26/2021	HDPE		Curb to Meter	46		\$3.15	\$242	\$1.70	\$131	\$3,375	\$1,499	\$5,248	\$8.01	\$617	\$4.34	\$334	\$1,636	\$1,035	\$3,622	\$860	\$465	\$5,011	\$2,534	\$8,870
18520844	OHIO	DW	OH-DAYTON-92 W FLOYD AVE -LEAK-REPAIR~~	3/12/2021	HDPE		Meter Set Replacement	0		\$3.15	\$148	\$1.70	\$80	\$3,375	\$1,441	\$5,044	\$8.01	\$377	\$4.34	\$204	\$1,636	\$887	\$3,104	\$525	\$284	\$5,011	\$2,328	\$8,148
18727035	OHIO	FA	OH-BEAVERCREEK-3770 LOFTY OAKS DR -LEAK-REPAIR~~ -LEAK-REPAIR	3/30/2021	MDPE	1.00 INCH	Main to Meter - Under 200 feet	46		\$3.15	\$3	\$1.70	\$2	\$3,375	\$1,352	\$4,732	\$8.01	\$8	\$4.34	\$4	\$1,636	\$659	\$2,308	\$11	\$6	\$5,011	\$2,011	\$7,040
18134335	OHIO	TR	OH-JACKSON CENTER-506 E PIKE ST -LEAK-REPAIR~~	2/1/2021	HDPE		Main to Meter - Under 200 feet	80		\$3.15	\$132	\$1.70	\$72	\$3,375	\$1,432	\$5,010	\$8.01	\$337	\$4.34	\$182	\$1,636	\$862	\$3,017	\$469	\$254	\$5,011	\$2,294	\$8,027
17619577	OHIO	DW	OH-VANDALIA-1403 HELKE RD -LEAK-REPAIR~~	3/26/2021	HDPE		Meter Set Replacement	0		\$3.15	\$324	\$1.70	\$175	\$3,375	\$1,550	\$5,425	\$8.01	\$826	\$4.34	\$447	\$1,636	\$1,163	\$4,072	\$1,150	\$622	\$5,011	\$2,713	\$9,497
18577309	OHIO	CN	OH-MIAMISBURG-1871 ABERDEEN LN -LEAK-REPAIR~~ -LEAK-REPAIR	3/9/2021	HDPE		Main to Meter - Under 200 feet	76		\$3.15	\$9	\$1.70	\$5	\$3,375	\$1,356	\$4,745	\$8.01	\$24	\$4.34	\$13	\$1,636	\$669	\$2,343	\$33	\$18	\$5,011	\$2,025	\$7,088
18689857	OHIO	CN	OH-CENTERVILLE-9266 RIDINGS BLVD -LEAK-REPAIR~~ -LEAK-REPAIR	6/10/2021	HDPE		Meter Set Replacement	0		\$3.15	\$13	\$1.70	\$7	\$3,375	\$1,358	\$4,752	\$8.01	\$32	\$4.34	\$17	\$1,636	\$674	\$2,360	\$45	\$24	\$5,011	\$2,032	\$7,112
18406481	OHIO	CN	OH-DAYTON-1503 LARCHWOOD DR -LEAK-REPAIR~~ -LEAK-REPAIR	1/20/2021	HDPE		Main to Meter - Under 200 feet	115		\$3.15	\$334	\$1.70	\$181	\$3,375	\$1,556	\$5,445	\$8.01	\$850	\$4.34	\$460	\$1,636	\$1,178	\$4,124	\$1,183	\$640	\$5,011	\$2,734	\$9,569
18744448	OHIO	CN	OH-SPRINGBORO-9320 AVALON CIR -LEAK-REPAIR~~ -LEAK-REPAIR	4/7/2021	HDPE		Main to Meter - Under 200 feet	50		\$3.15	\$6	\$1.70	\$3	\$3,375	\$1,354	\$4,739	\$8.01	\$16	\$4.34	\$9	\$1,636	\$664	\$2,325	\$22	\$12	\$5,011	\$2,018	\$7,064
18471495	OHIO	CN	OH-DAYTON-112 PARK DR -LEAK-REPAIR~~	2/1																								

CEOH 2021 Service Replacement Work Order Detail & Cost Allocation

Totals (\$000s):

\$127

\$75

\$3,131

\$1,333

\$4,666

\$367

\$200

\$2,033

\$1,040

\$3,641

\$494

\$275

\$5,164

\$2,373

\$8,307

								Main to Curb (Non-Incremental)								Curb to Meter (Incremental)						Grand Total (Main to Curb + Curb to Meter)					
WONUM	DIV	OC	DESCRIPTION	ACT_FINISH DATE	pipe_installed-material	pipe_installed-size	Service Replacement Type	pipe_installed-length	Labor cost/ft	Labor cost	Mat'l cost/ft	Mat'l cost	Misc cost	Overhead cost	Subtotal main to curb	Labor cost/ft	Labor cost	Mat'l cost/ft	Mat'l cost	Misc cost	Overhead cost	Subtotal curb to meter	Total labor cost	Total mat'l cost	Total misc cost	Total overhead cost	Total all costs
17983551	OHIO	WC	OH-SEDALIA-40 FEDERAL ST --RELOG	1/12/2021	HDPE		Main to Meter - Under 200 feet	28	\$3.15	\$227	\$1.70	\$123	\$3,375	\$1,490	\$5,214	\$8.01	\$577	\$4.34	\$312	\$1,636	\$1,010	\$3,536	\$804	\$435	\$5,011	\$2,500	\$8,750
18802988	OHIO	DW	OH-DAYTON-60 CARSON AVE -LEAK-REPAIR--	5/15/2021	HDPE		Curb to Meter	10	\$3.15	\$176	\$1.70	\$95	\$3,375	\$1,459	\$5,105	\$8.01	\$449	\$4.34	\$243	\$1,636	\$931	\$3,259	\$625	\$338	\$5,011	\$2,390	\$8,365
18567844	OHIO	DW	OH-DAYTON-145 SANTA CLARA AVE -LEAK-REPAIR--	3/5/2021	HDPE		Main to Meter - Under 200 feet	50	\$3.15	\$246	\$1.70	\$133	\$3,375	\$1,501	\$5,255	\$8.01	\$625	\$4.34	\$338	\$1,636	\$1,040	\$3,640	\$871	\$471	\$5,011	\$2,541	\$8,894
18336574	OHIO	CN	OH-DAYTON-308 OAKVIEW DR --RELOG	2/12/2021	HDPE		Main to Meter - Under 200 feet	41	\$3.15	\$217	\$1.70	\$118	\$3,375	\$1,484	\$5,194	\$8.01	\$553	\$4.34	\$299	\$1,636	\$995	\$3,484	\$770	\$417	\$5,011	\$2,479	\$8,678
18420202	OHIO	CN	OH-DAYTON-2204 FAUVER AVE -LEAK-REPAIR--	1/28/2021	HDPE		Main to Meter - Under 200 feet	89	\$3.15	\$239	\$1.70	\$129	\$3,375	\$1,497	\$5,241	\$8.01	\$609	\$4.34	\$330	\$1,636	\$1,030	\$3,605	\$848	\$459	\$5,011	\$2,527	\$8,846
17628668	OHIO	FA	OH-XENIA-1751 TAHOE DR -LEAK-REPAIR--	3/16/2021	HDPE		Main to Meter - Under 200 feet	0	\$3.15	\$167	\$1.70	\$90	\$3,375	\$1,453	\$5,085	\$8.01	\$425	\$4.34	\$230	\$1,636	\$916	\$3,207	\$592	\$320	\$5,011	\$2,369	\$8,292
18196664	OHIO	DW	OH-DAYTON-3906 OTIS DR -LEAK-REPAIR--	2/26/2021	HDPE		Main to Meter - Under 200 feet	10	\$3.15	\$142	\$1.70	\$77	\$3,375	\$1,437	\$5,031	\$8.01	\$361	\$4.34	\$195	\$1,636	\$877	\$3,069	\$502	\$272	\$5,011	\$2,314	\$8,100
18744610	OHIO	DW	OH-CAMDEN-16 S MAIN ST --RESZG	6/9/2021	HDPE		Curb to Meter	3	\$3.15	\$217	\$1.70	\$118	\$3,375	\$1,484	\$5,194	\$8.01	\$553	\$4.34	\$299	\$1,636	\$995	\$3,484	\$770	\$417	\$5,011	\$2,479	\$8,678
18827340	OHIO	FA	OH-DAYTON-539 TRAVIS -LEAK-REPAIR--	5/26/2021	HDPE		Main to Meter - Under 200 feet	55	\$3.15	\$249	\$1.70	\$135	\$3,375	\$1,503	\$5,262	\$8.01	\$633	\$4.34	\$343	\$1,636	\$1,045	\$3,657	\$882	\$477	\$5,011	\$2,548	\$8,918
18564507	OHIO	DW	OH-CAMDEN-356 W CENTRAL AVE -LEAK-REPAIR--	3/3/2021	HDPE	0.50 INCH	Main to Meter - Under 200 feet	78	\$3.15	\$249	\$1.70	\$135	\$3,375	\$1,503	\$5,262	\$8.01	\$633	\$4.34	\$343	\$1,636	\$1,045	\$3,657	\$882	\$477	\$5,011	\$2,548	\$8,918
18259875	OHIO	FA	OH-DAYTON-1839 GONDERT AVE --RELOG	1/14/2021	HDPE		Main to Meter - Under 200 feet	34	\$3.15	\$142	\$1.70	\$77	\$3,375	\$1,437	\$5,031	\$8.01	\$361	\$4.34	\$195	\$1,636	\$877	\$3,069	\$502	\$272	\$5,011	\$2,314	\$8,100
18785777	OHIO	CN	OH-DAYTON-3315 REGENT ST -- SERVICE REPLACEMENT	5/6/2021	HDPE		Main to Meter - Under 200 feet	0	\$3.15	\$274	\$1.70	\$148	\$3,375	\$1,519	\$5,316	\$8.01	\$697	\$4.34	\$377	\$1,636	\$1,084	\$3,795	\$971	\$526	\$5,011	\$2,603	\$9,111
18526714	OHIO	TR	OH-MINSTER-23 N HANOVER -LEAK-REPAIR--	2/24/2021	HDPE		Main to Curb	2	\$3.15	\$381	\$1.70	\$206	\$3,375	\$1,585	\$5,547	\$8.01	\$970	\$4.34	\$525	\$1,636	\$1,252	\$4,383	\$1,351	\$731	\$5,011	\$2,837	\$9,930
18219200	OHIO	CN	OH-DAYTON-134 ARLINGTON AVE -LEAK-REPAIR--	1/18/2021	HDPE		Main to Meter - Under 200 feet	145	\$3.15	\$205	\$1.70	\$111	\$3,375	\$1,476	\$5,166	\$8.01	\$521	\$4.34	\$282	\$1,636	\$976	\$3,415	\$726	\$393	\$5,011	\$2,452	\$8,581
18337788	OHIO	DW	OH-LEWISBURG-124 W CUMBERLAND ST -LEAK-REPAIR--	1/11/2021	HDPE		Main to Meter - Under 200 feet	48	\$3.15	\$378	\$1.70	\$204	\$3,375	\$1,583	\$5,540	\$8.01	\$962	\$4.34	\$520	\$1,636	\$1,247	\$4,366	\$1,339	\$725	\$5,011	\$2,830	\$9,906
18578032	OHIO	CN	OH-DAYTON-5411 AYRSHIRE CT --RELOG	4/6/2021	HDPE		Main to Meter - Under 200 feet	40	\$3.15	\$88	\$1.70	\$48	\$3,375	\$1,404	\$4,915	\$8.01	\$224	\$4.34	\$121	\$1,636	\$793	\$2,775	\$313	\$169	\$5,011	\$2,197	\$7,690
17313310	OHIO	DW	OH-DAYTON-5251 WHALEY DR -LEAK-REPAIR--	3/24/2021	HDPE		Curb to Meter	4	\$3.15	\$321	\$1.70	\$174	\$3,375	\$1,548	\$5,418	\$8.01	\$817	\$4.34	\$442	\$1,636	\$1,158	\$4,055	\$1,139	\$616	\$5,011	\$2,706	\$9,472
17311481	OHIO	FA	OH-FAIRBORN-261 REDBANK DR -LEAK-REPAIR--	2/23/2021	HDPE		Main to Meter - Under 200 feet	20	\$3.15	\$148	\$1.70	\$80	\$3,375	\$1,441	\$5,044	\$8.01	\$377	\$4.34	\$204	\$1,636	\$887	\$3,104	\$525	\$284	\$5,011	\$2,328	\$8,148
18737454	OHIO	DW	OH-DAYTON-7285 BRANTFORD RD -LEAK-REPAIR--	4/7/2021	HDPE	1.00 INCH	Main to Meter - Under 200 feet	45	\$3.15	\$252	\$1.70	\$136	\$3,375	\$1,505	\$5,268	\$8.01	\$641	\$4.34	\$347	\$1,636	\$1,050	\$3,674	\$893	\$483	\$5,011	\$2,555	\$8,943
18420179	OHIO	CN	OH-DAYTON-4543 CORDELL DR -LEAK-REPAIR--	5/10/2021	HDPE		Main to Meter - Under 200 feet	101	\$3.15	\$116	\$1.70	\$63	\$3,375	\$1,422	\$4,976	\$8.01	\$297	\$4.34	\$160	\$1,636	\$837	\$2,931	\$413	\$224	\$5,011	\$2,259	\$7,907
17627104	OHIO	CN	OH-KETTERING-4750 MARSHALL RD -LEAK-REPAIR--	1/7/2021	HDPE		Curb to Meter	49	\$3.15	\$66	\$1.70	\$36	\$3,375	\$1,391	\$4,868	\$8.01	\$168	\$4.34	\$91	\$1,636	\$758	\$2,654	\$234	\$127	\$5,011	\$2,149	\$7,522
18725824	OHIO	DW	OH-VANDALIA-560 ADELINE -LEAK-REPAIR--	3/30/2021	HDPE		Main to Meter - Under 200 feet	57	\$3.15	\$378	\$1.70	\$204	\$3,375	\$1,583	\$5,540	\$8.01	\$962	\$4.34	\$520	\$1,636	\$1,247	\$4,366	\$1,339	\$725	\$5,011	\$2,830	\$9,906
17628881	OHIO	FA	OH-XENIA-435 ACKERMAN PL -LEAK-REPAIR--	3/23/2021	HDPE		Main to Meter - Under 200 feet	0	\$3.15	\$274	\$1.70	\$148	\$3,375	\$1,519	\$5,316	\$8.01	\$697	\$4.34	\$377	\$1,636	\$1,084	\$3,795	\$971	\$526	\$5,011	\$2,603	\$9,111
18634829	OHIO	BF	OH-HUNTSVILLE-10907 BUCKEYE DR -LEAK-REPAIR--	3/23/2021	HDPE																						

CEOH 2021 Service Replacement Work Order Detail & Cost Allocation

Totals (\$000s):

\$127

\$75

\$3,131

\$1,333

\$4,666

\$367

\$200

\$2,033

\$1,040

\$3,641

\$494

\$275

\$5,164

\$2,373

\$8,307

WONUM	DIV	OC	DESCRIPTION	ACT_FINISH DATE	pipe_installed-material	pipe_installed-size	Service Replacement Type	pipe_installed-length	Labor cost/ft	Labor cost	Mat'l cost/ft	Mat'l cost	Misc cost	Overhead cost	Subtotal main to curb	Labor cost/ft	Labor cost	Mat'l cost/ft	Mat'l cost	Misc cost	Overhead cost	Subtotal curb to meter	Total labor cost	Total mat'l cost	Total misc cost	Total overhead cost	Total all costs
18059244	OHIO	DW	OH-RIVERSIDE-3410 OLD TROY PIKE -LEAK-REPAIR~~	2/2/2021	HDPE		Main to Meter - Under 200 feet	53	\$3.15	\$129	\$1.70	\$70	\$3,375	\$1,430	\$5,003	\$8.01	\$329	\$4.34	\$178	\$1,636	\$857	\$3,000	\$458	\$248	\$5,011	\$2,287	\$8,003
18334862	OHIO	FA	OH-DAYTON-1655 RAUSCH ~~~ NEXT DAY RENEWAL & MOVEOUT	1/5/2021	HDPE		Main to Meter - Under 200 feet	46	\$3.15	\$277	\$1.70	\$150	\$3,375	\$1,521	\$5,323	\$8.01	\$705	\$4.34	\$382	\$1,636	\$1,089	\$3,813	\$982	\$532	\$5,011	\$2,610	\$9,135
18451192	OHIO	DW	OH-DAYTON-1257 LINDA VISTA AVENUE -LEAK-REPAIR~~	2/10/2021	HDPE		Main to Meter - Under 200 feet	55	\$3.15	\$142	\$1.70	\$77	\$3,375	\$1,437	\$5,031	\$8.01	\$361	\$4.34	\$195	\$1,636	\$877	\$3,069	\$502	\$272	\$5,011	\$2,314	\$8,100
18775161	OHIO	DW	OH-DAYTON-122 SWALLOW DRIVE -LEAK-REPAIR~~	4/30/2021	HDPE		Main to Meter - Under 200 feet	48	\$3.15	\$277	\$1.70	\$150	\$3,375	\$1,521	\$5,323	\$8.01	\$705	\$4.34	\$382	\$1,636	\$1,089	\$3,813	\$982	\$532	\$5,011	\$2,610	\$9,135
18255675	OHIO	TR	OH-PIQUA-201 ROBERT M DAVIS PKWY ~~~RESZG	2/19/2021	HDPE	2.00 INCH	Main to Meter - Under 200 feet	80	\$3.15	\$3	\$1.70	\$2	\$3,375	\$1,352	\$4,732	\$8.01	\$8	\$4.34	\$4	\$1,636	\$659	\$2,308	\$11	\$6	\$5,011	\$2,011	\$7,040
18903870	OHIO	FA	OH-DAYTON-725 WOODHILL RD -LEAK-REPAIR~~	6/15/2021	HDPE		Curb to Meter	5	\$3.15	\$246	\$1.70	\$133	\$3,375	\$1,501	\$5,255	\$8.01	\$625	\$4.34	\$338	\$1,636	\$1,040	\$3,640	\$871	\$471	\$5,011	\$2,541	\$8,894
18572237	OHIO	DW	OH-DAYTON-7221 PETERS PIKE -LEAK-REPAIR~~	3/9/2021	HDPE		Curb to Meter	6	\$3.15	\$217	\$1.70	\$118	\$3,375	\$1,484	\$5,194	\$8.01	\$553	\$4.34	\$299	\$1,636	\$995	\$3,484	\$770	\$417	\$5,011	\$2,479	\$8,678
17316542	OHIO	DW	OH-ENGLEWOOD-6924 MICHELLE PL -LEAK-REPAIR~~	2/26/2021	HDPE		Meter Set Replacement	0	\$3.15	\$195	\$1.70	\$106	\$3,375	\$1,470	\$5,146	\$8.01	\$497	\$4.34	\$269	\$1,636	\$961	\$3,363	\$692	\$375	\$5,011	\$2,431	\$8,509
18206894	OHIO	FA	OH-XENIA-1566 PUEBLO -LEAK-REPAIR~~	3/11/2021	HDPE		Main to Meter - Under 200 feet	60	\$3.15	\$220	\$1.70	\$119	\$3,375	\$1,486	\$5,200	\$8.01	\$561	\$4.34	\$304	\$1,636	\$1,000	\$3,501	\$781	\$423	\$5,011	\$2,486	\$8,702
17747184	OHIO	TR	OH-MINSTER-129 S LINCOLN ST -LEAK-REPAIR~~	3/9/2021	HDPE	1.00 INCH	Main to Meter - Under 200 feet	76	\$3.15	\$239	\$1.70	\$129	\$3,375	\$1,497	\$5,241	\$8.01	\$609	\$4.34	\$330	\$1,636	\$1,030	\$3,605	\$848	\$459	\$5,011	\$2,527	\$8,846
17721686	OHIO	CN	OH-CENTERVILLE-6893 PENRIDGE DR -LEAK-REPAIR~~	5/27/2021	HDPE	1.00 INCH	Main to Meter - Under 200 feet	51	\$3.15	\$3	\$1.70	\$2	\$3,375	\$1,352	\$4,732	\$8.01	\$8	\$4.34	\$4	\$1,636	\$659	\$2,308	\$11	\$6	\$5,011	\$2,011	\$7,040
18636611	OHIO	DW	OH-CLAYTON-7464 LOCKWOOD STREET -LEAK-REPAIR~~	3/24/2021	HDPE		Main to Meter - Under 200 feet	5	\$3.15	\$161	\$1.70	\$87	\$3,375	\$1,449	\$5,071	\$8.01	\$409	\$4.34	\$221	\$1,636	\$906	\$3,173	\$569	\$308	\$5,011	\$2,355	\$8,244
18560042	OHIO	CN	OH-DAYTON-600 E RAHN RD -LEAK-REPAIR~~	3/2/2021	HDPE		Main to Meter - Under 200 feet	85	\$3.15	\$280	\$1.70	\$152	\$3,375	\$1,523	\$5,329	\$8.01	\$713	\$4.34	\$386	\$1,636	\$1,094	\$3,830	\$993	\$538	\$5,011	\$2,617	\$9,159
17735769	OHIO	TR	OH-MINSTER-111 S MAIN ST -LEAK-REPAIR~~	5/26/2021	HDPE	1.00 INCH	Main to Meter - Under 200 feet	30	\$3.15	\$142	\$1.70	\$77	\$3,375	\$1,437	\$5,031	\$8.01	\$361	\$4.34	\$195	\$1,636	\$877	\$3,069	\$502	\$272	\$5,011	\$2,314	\$8,100
18446851	OHIO	DW	OH-ENGLEWOOD-1011 MERRYWOOD -LEAK-REPAIR~~	3/16/2021	HDPE	1.00 INCH	Curb to Meter	43	\$3.15	\$283	\$1.70	\$153	\$3,375	\$1,525	\$5,336	\$8.01	\$721	\$4.34	\$390	\$1,636	\$1,099	\$3,847	\$1,005	\$544	\$5,011	\$2,624	\$9,183
18094792	OHIO	CN	OH-DAYTON-225 LINDEN DR -LEAK-REPAIR~~	4/15/2021	HDPE		Main to Curb	200	\$3.15	\$142	\$1.70	\$77	\$3,375	\$1,437	\$5,031	\$8.01	\$361	\$4.34	\$195	\$1,636	\$877	\$3,069	\$502	\$272	\$5,011	\$2,314	\$8,100
18742030	OHIO	DW	OH-DAYTON-1545 N EUCLID AVE -LEAK-REPAIR~~	4/9/2021	HDPE		Main to Meter - Under 200 feet	65	\$3.15	\$242	\$1.70	\$131	\$3,375	\$1,499	\$5,248	\$8.01	\$617	\$4.34	\$334	\$1,636	\$1,035	\$3,622	\$860	\$465	\$5,011	\$2,534	\$8,870
18090084	OHIO	DW	OH-WEST ALEXANDRIA-17 W SOUTH ST ~~~RENEW STEEL SERVICE	2/24/2021	HDPE		Curb to Meter	4	\$3.15	\$299	\$1.70	\$162	\$3,375	\$1,534	\$5,370	\$8.01	\$761	\$4.34	\$412	\$1,636	\$1,124	\$3,934	\$1,060	\$574	\$5,011	\$2,658	\$9,304
18219211	OHIO	FA	OH-XENIA-2016 SIERRA TRL -LEAK-REPAIR~~	3/2/2021	HDPE		Main to Meter - Under 200 feet	65	\$3.15	\$173	\$1.70	\$94	\$3,375	\$1,457	\$5,099	\$8.01	\$441	\$4.34	\$239	\$1,636	\$926	\$3,242	\$614	\$332	\$5,011	\$2,383	\$8,340
18339779	OHIO	DW	OH-DAYTON-437 OXFORD AVE ~~~RELOG	1/22/2021	HDPE		Main to Meter - Under 200 feet	94	\$3.15	\$164	\$1.70	\$89	\$3,375	\$1,451	\$5,078	\$8.01	\$417	\$4.34	\$226	\$1,636	\$911	\$3,190	\$580	\$314	\$5,011	\$2,362	\$8,268
18349940	OHIO	FA	OH-DAYTON-4894 SHELLER AVE -LEAK-REPAIR~~	1/14/2021	HDPE		Main to Meter - Under 200 feet	65	\$3.15	\$98	\$1.70	\$53	\$3,375	\$1,410	\$4,936	\$8.01	\$248	\$4.34	\$134	\$1,636	\$808	\$2,827	\$346	\$187	\$5,011	\$2,218	\$7,762
18341922	OHIO	FA	OH-DAYTON-4216 DELHI ~~~ 10V CHARGE ON HL, RENEWAL & MOVEOUT	1/11/2021	HDPE		Main to Meter - Under 200 feet	8	\$3.15	\$283	\$1.70	\$153	\$3,375	\$1,525	\$5,336	\$8.01	\$721	\$4.34	\$390	\$1,636	\$1,099	\$3,847	\$1,005	\$544	\$5,011	\$2,624	\$9,183
18264814	OHIO	TR	OH-TROY-700 S RIDGE AVE -LEAK-REPAIR~~	5/24/2021	HDPE		Main to Meter - Under 200 feet	48	\$3.15	\$519	\$1.70	\$281	\$3,375	\$1,670	\$5,846	\$8.01	\$1,322	\$4.34	\$716	\$1,636	\$1,470	\$5,144	\$1,842	\$997	\$5,011	\$3,140	\$10,990
17313555	OHIO	DW	OH-VANDALIA-210 VISTA -LEAK-REPAIR~~	3/8/2021	HDPE		Main to Meter - Under 200 feet																				



CEOH 2021 Service Replacement Work Order Detail & Cost Allocation

Totals (\$000s):

\$127

\$75

\$3,131

\$1,333

\$4,666

\$367

\$200

\$2,033

\$1,040

\$3,641

\$494

\$275

\$5,164

\$2,373

\$8,307

WONUM	DIV	OC	DESCRIPTION	ACT_FINISH DATE	pipe_installed-material	pipe_installed-size	Service Replacement Type	pipe_installed-length	Main to Curb (Non-Incremental)							Curb to Meter (Incremental)						Grand Total (Main to Curb + Curb to Meter)					
									Labor cost/ft	Labor cost	Mat'l cost/ft	Mat'l cost	Misc cost	Overhead cost	Subtotal main to curb	Labor cost/ft	Labor cost	Mat'l cost/ft	Mat'l cost	Misc cost	Overhead cost	Subtotal curb to meter	Total labor cost	Total mat'l cost	Total misc cost	Total overhead cost	Total all costs
18574612	OHIO	WC	OH-WASHINGTON COURT HOUSE-828 E MARKET ST ~~~ NEXT DAY SERVICE RENEWAL-3/10/21	3/11/2021			Curb to Meter	19	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016
18014510	OHIO	TR	OH-TROY-2920 MERRIMONT DR -LEAK-REPAIR~~	5/4/2021			Main to Meter - Under 200 feet	40	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$11.91	\$0	\$6.07	\$0	\$4,412	\$1,765	\$6,176	\$0	\$0	\$4,412	\$1,765	\$6,176
18795633	OHIO	DW	OH-DAYTON-951 BURLEIGH AVE ~~~ CURB BOX IN SIDEWALK	6/18/2021			Main to Meter - Under 200 feet	44	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016
17203182	OHIO	DW	OH-DALTON-1020 RANDOLPH ST -LEAK-REPAIR~~	1/12/2021			Main to Curb	2	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$11.91	\$0	\$6.07	\$0	\$4,412	\$1,765	\$6,176	\$0	\$0	\$4,412	\$1,765	\$6,176
18778559	OHIO	DW	OH-ENGLEWOOD-21 W WENGER RD -LEAK-REPAIR~~	4/30/2021			Main to Meter - Under 200 feet	46	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$11.91	\$0	\$6.07	\$0	\$4,412	\$1,765	\$6,176	\$0	\$0	\$4,412	\$1,765	\$6,176
18341749	OHIO	TR	OH-TIPP CITY-950 STONEHENGE DR -LEAK-REPAIR~~	2/3/2021			Main to Meter - Under 200 feet	48	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$11.91	\$0	\$6.07	\$0	\$4,412	\$1,765	\$6,176	\$0	\$0	\$4,412	\$1,765	\$6,176
18565412	OHIO	TR	OH-TROY-1750 FOX RUN RD -LEAK-REPAIR~~	3/22/2021			Curb to Meter	1	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$11.91	\$0	\$6.07	\$0	\$4,412	\$1,765	\$6,176	\$0	\$0	\$4,412	\$1,765	\$6,176
18569999	OHIO	FA	OH-XENIA-62 SEXTON -LEAK-REPAIR~~ -LEAK-REPAIR	2/27/2021			Main to Meter - Under 200 feet	81	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$11.91	\$0	\$6.07	\$0	\$4,412	\$1,765	\$6,176	\$0	\$0	\$4,412	\$1,765	\$6,176
18535863	OHIO	CN	OH-DAYTON-2321 FAUVER AVE -LEAK-REPAIR~~	2/25/2021			Main to Meter - Under 200 feet	53	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$11.91	\$0	\$6.07	\$0	\$4,412	\$1,765	\$6,176	\$0	\$0	\$4,412	\$1,765	\$6,176
18458554	OHIO	TR	OH-SIDNEY-203 W PARKWOOD ST -LEAK-REPAIR~~ -LEAK-REPAIR	2/11/2021			Main to Curb	24	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$11.91	\$0	\$6.07	\$0	\$4,412	\$1,765	\$6,176	\$0	\$0	\$4,412	\$1,765	\$6,176
18303184	OHIO	WC	OH-WILMINGTON-913 ROMBACH AVE - BSCI V-2489 (2020) -LEAK-REPAIR~~	1/5/2021			Main to Meter - Under 200 feet	0	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016
18178781	OHIO	CN	OH-CENTERVILLE-27 N MAIN ST ~--RESZG	4/16/2021			Main to Meter - Under 200 feet	63	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	Unit cost	\$704	Unit cost	\$446	\$0	\$460	\$1,611	\$704	\$446	\$0	\$460	\$1,611
18403881	OHIO	TR	OH-VERSAILLES-1320 E MAIN ST ~--RESZG	3/26/2021			Curb to Meter	20	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	Unit cost	\$704	Unit cost	\$446	\$0	\$460	\$1,611	\$704	\$446	\$0	\$460	\$1,611
18459690	OHIO	TR	OH-PIQUA-1301 ECHO LAKE DR ~--RESZG	2/18/2021			Main to Meter - Under 200 feet	40	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	Unit cost	\$704	Unit cost	\$446	\$0	\$460	\$1,611	\$704	\$446	\$0	\$460	\$1,611
18193270	OHIO	FA	OH-XENIA-151 S SIGNATURE DR ~--RESZG	1/5/2021			Curb to Meter	19	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	Unit cost	\$704	Unit cost	\$446	\$0	\$460	\$1,611	\$704	\$446	\$0	\$460	\$1,611
17546290	OHIO	TR	OH-TROY-8365 E STATE RT 41 ~--RESZG	1/14/2021			Main to Meter - Under 200 feet	164	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$11.91	\$0	\$6.07	\$0	\$4,412	\$1,765	\$6,176	\$0	\$0	\$4,412	\$1,765	\$6,176
18733664	OHIO	TR	OH-MINSTER-356 E THIRD ST ~--RESZG	6/15/2021			Main to Meter - Under 200 feet	45	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	Unit cost	\$704	Unit cost	\$446	\$0	\$460	\$1,611	\$704	\$446	\$0	\$460	\$1,611
18481138	OHIO	DW	OH-DAYTON-2275 SLEEPY HOLLOW LN ~--RESZG	6/16/2021			Main to Meter - Under 200 feet	62	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$11.91	\$0	\$6.07	\$0	\$4,412	\$1,765	\$6,176	\$0	\$0	\$4,412	\$1,765	\$6,176
18200088	OHIO	DW	OH-EATON-1306 N BARRON ST ~--RESZG	3/5/2021			Main to Meter - Under 200 feet	36	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$11.91	\$0	\$6.07	\$0	\$4,412	\$1,765	\$6,176	\$0	\$0	\$4,412	\$1,765	\$6,176
18347926	OHIO	BF	OH-BELLEFONTAINE-2280 STATE ROUTE 540 UNIT 8~--RESZG	3/8/2021			Main to Meter - Under 200 feet	0	Unit cost	\$463	Unit cost	\$402	\$5,011	\$2,350	\$8,226	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$463	\$402	\$5,011	\$2,350	\$8,226
18214537	OHIO	BF	OH-HUNTSVILLE-10817 SEMINOLE SHR DR ~--RESZG	4/12/2021		1.00 INCH	Curb to Meter	2	Unit cost	\$463	Unit cost	\$402	\$5,011	\$2,350	\$8,226	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$463	\$402	\$5,011	\$2,350	\$8,226
18803872	OHIO	CN	OH-KETTERING-1919 S SMITHVILLE RD -LEAK-REPAIR~~	6/18/2021			Main to Meter - Under 200 feet	0	Unit cost	\$463	Unit cost	\$402	\$5,011	\$2,350	\$8,226	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$463	\$402	\$5,011	\$2,350	\$8,226
18730779	OHIO	TR	OH-GREENVILLE-412 WILD ROSE LN ~-- GAS SERVICE RENEW ON MAIN EXT	3/30/2021			Main to Meter - Under 200 feet	0	Unit cost	\$463	Unit cost	\$402	\$5,011	\$2,350	\$8,226	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$463	\$402	\$5,011	\$2,350	\$8,226
18787441	OHIO	DW	OH-DAYTON-ELKINS AVE -LEAK-REPAIR~~ -LEAK-REPAIR	5/5/2021			Main to Meter - Under 200 feet	64	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$11.91	\$0	\$6.07	\$0	\$4,412	\$1,765	\$6,176	\$0	\$0	\$4,412	\$1,765	\$6,176
18862948	OHIO	TR	OH-TIPP CITY-213 E MAIN ST -LEAK-REPAIR~~ -LEAK-REPAIR	5/24/2021			Curb to Meter	15	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016
18359070	OHIO	DW	OH-DAYTON-2820 BRANDON RD -LEAK-REPAIR~~ -LEAK-REPAIR	1/15/2021			Main to Meter - Under 200 feet	6	\$0.00	\$0	\$0.00	\$0</															

CEOH 2021 Service Replacement Work Order Detail & Cost Allocation																											
Totals (\$000s):									\$127	\$75	\$3,131	\$1,333	\$4,666	\$367	\$200	\$2,033	\$1,040	\$3,641	\$494	\$275	\$5,164	\$2,373	\$8,307				
WONUM	DIV	OC	DESCRIPTION	ACT_FINISH DATE	pipe_installed-material	pipe_installed-size	Service Replacement Type	pipe_installed-length	Main to Curb (Non-Incremental)							Curb to Meter (Incremental)						Grand Total (Main to Curb + Curb to Meter)					
									Labor cost/ft	Labor cost	Mat'l cost/ft	Mat'l cost	Misc cost	Overhead cost	Subtotal main to curb	Labor cost/ft	Labor cost	Mat'l cost/ft	Mat'l cost	Misc cost	Overhead cost	Subtotal curb to meter	Total labor cost	Total mat'l cost	Total misc cost	Total overhead cost	Total all costs
18454916	OHIO	CN	OH-DAYTON-2019 HERITAGE POINT DR ---RELOG	3/2/2021			Curb to Meter	4	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016
18531422	OHIO	DW	OH-DAYTON-1805 RIVERSIDE DR UNIT A---RESZG	4/15/2021			Main to Meter - Under 200 feet	50	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	Unit cost	\$704	Unit cost	\$446	\$0	\$460	\$1,611	\$704	\$446	\$0	\$460	\$1,611
	OHIO	DW	OH-VANDALIA-3080 LITTLE YORK RD --- MOVE MTR OUTSIDE DUE TO MERCURY IN REGULATOR	1/19/2021			Main to Meter - Under 200 feet	0	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016
18349019	OHIO	CN	OH-DAYTON-2075 HERITAGE POINT DR ---RELOG	3/2/2021			Main to Meter - Under 200 feet	64	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016
18219854	OHIO	FA	OH-DAYTON-338 TIMBERLEAF DR ---RESZG	4/13/2021			Main to Meter - Under 200 feet	105	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	Unit cost	\$704	Unit cost	\$446	\$0	\$460	\$1,611	\$704	\$446	\$0	\$460	\$1,611
18454620	OHIO	CN	OH-DAYTON-2126 HERITAGE POINT DR ---RELOG	3/1/2021			Curb to Meter	5	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016
18454735	OHIO	CN	OH-DAYTON-1949 HERITAGE POINT DR ---RELOG	3/3/2021			Main to Meter - Under 200 feet	42	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016
18283815	OHIO	FA	OH-BEAVERCRK TWP-1394 CHAMPIONS WAY ---RESZG	2/2/2021			Main to Curb	1	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	Unit cost	\$704	Unit cost	\$446	\$0	\$460	\$1,611	\$704	\$446	\$0	\$460	\$1,611
18120677	OHIO	FA	OH-YELLOW SPRINGS-1345 RICE RD ---RESZG	2/2/2021			Main to Meter - Under 200 feet	65	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	Unit cost	\$704	Unit cost	\$446	\$0	\$460	\$1,611	\$704	\$446	\$0	\$460	\$1,611
18353916	OHIO	FA	OH-YELLOW SPRINGS-CORRY ST -LEAK-REPAIR--- -LEAK-REPAIR	1/14/2021			Main to Meter - Under 200 feet	99	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016
18454702	OHIO	CN	OH-DAYTON-2046 HERITAGE POINT DR ---RELOG	3/4/2021			Main to Meter - Under 200 feet	55	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016
18454251	OHIO	CN	OH-DAYTON-2073 MAPLECREST DR ---RELOG	3/4/2021			Main to Meter - Under 200 feet	0	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016
18766713	OHIO	CN	OH-MIAMISBURG-135 MOUND AVE -LEAK-REPAIR--- -LEAK-REPAIR	4/22/2021			Main to Meter - Under 200 feet	2	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	Unit cost	\$704	Unit cost	\$446	\$0	\$460	\$1,611	\$704	\$446	\$0	\$460	\$1,611
18454257	OHIO	CN	OH-DAYTON-2068 MAPLECREST DR ---RELOG	3/5/2021			Main to Meter - Under 200 feet	35	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016
18780019	OHIO	DW	OH-DAYTON-2035 OTTELLO AVE -LEAK-REPAIR--- -LEAK-REPAIR	5/1/2021			Main to Meter - Under 200 feet	64	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016
18082270	OHIO	DW	OH-DAYTON-5750 TOULON CT ---RESZG	1/28/2021			Curb to Meter	4	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	Unit cost	\$704	Unit cost	\$446	\$0	\$460	\$1,611	\$704	\$446	\$0	\$460	\$1,611
18741972	OHIO	DW	OH-TIPP CITY-2507 BLUEFLAG ST ---RESZG	5/12/2021			Main to Meter - Under 200 feet	21	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	Unit cost	\$704	Unit cost	\$446	\$0	\$460	\$1,611	\$704	\$446	\$0	\$460	\$1,611
18638559	OHIO	FA	OH-FAIRBORN-1352 S MAPLE AVE -LEAK-REPAIR--- -LEAK-REPAIR	3/23/2021			Main to Meter - Under 200 feet	69	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$11.91	\$0	\$6.07	\$0	\$4,412	\$1,765	\$6,176	\$0	\$0	\$4,412	\$1,765	\$6,176
18458519	OHIO	CN	OH-MIAMISBURG-9520 MEDLAR WOODS CT ---RESZG	4/23/2021			Main to Meter - Under 200 feet	1	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	Unit cost	\$704	Unit cost	\$446	\$0	\$460	\$1,611	\$704	\$446	\$0	\$460	\$1,611
18540343	OHIO	FA	OH-XENIA-227 DAYTON AVE -LEAK-REPAIR--- -LEAK-REPAIR	2/25/2021			Meter Set Replacement	0	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$11.91	\$0	\$6.07	\$0	\$4,412	\$1,765	\$6,176	\$0	\$0	\$4,412	\$1,765	\$6,176
18454511	OHIO	CN	OH-DAYTON-2036 MAPLECREST DR FL 2---RELOG	2/24/2021			Main to Meter - Under 200 feet	52	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016
18454442	OHIO	CN	OH-DAYTON-2052 MAPLECREST DR LOWR ---RELOG	2/26/2021			Main to Meter - Under 200 feet	70	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016
17328268	OHIO	CN	OH-WEST CARROLLTON-405 W CENTRAL AVE -LEAK-REPAIR---	2/4/2021			Main to Meter - Under 200 feet	41	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$11.91	\$0	\$6.07	\$0	\$4,412	\$1,765	\$6,176	\$0	\$0	\$4,412	\$1,765	\$6,176
18481244	OHIO	FA	OH-BEAVERCREEK-609 N FAIRFIELD RD ---RESZG	3/24/2021			Main to Meter - Under 200 feet	50	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	Unit cost	\$704	Unit cost	\$446	\$0	\$460	\$1,611	\$704	\$446	\$0	\$460	\$1,611
	OHIO	DW	OH-ENGLEWOOD-34 WOLF AVE --- SERVICE HAS BEEN REPAIRED, 1 INCH SERVICE GOES FROM STEEL TO PLASTIC	6/8/2021			Main to Meter - Under 200 feet	70	\$0.00</																		

CEOH 2021 Service Replacement Work Order Detail & Cost Allocation										Totals (\$000s):																	
										\$127	\$75	\$3,131	\$1,333	\$4,666	\$367	\$200	\$2,033	\$1,040	\$3,641	\$494	\$275	\$5,164	\$2,373	\$8,307			
WONUM	DIV	OC	DESCRIPTION	ACT_FINISH DATE	pipe_installed-material	pipe_installed-size	Service Replacement Type	pipe_installed-length	Main to Curb (Non-Incremental)								Curb to Meter (Incremental)						Grand Total (Main to Curb + Curb to Meter)				
									Labor cost/ft	Labor cost	Mat'l cost/ft	Mat'l cost	Misc cost	Overhead cost	Subtotal main to curb	Labor cost/ft	Labor cost	Mat'l cost/ft	Mat'l cost	Misc cost	Overhead cost	Subtotal curb to meter	Total labor cost	Total mat'l cost	Total misc cost	Total overhead cost	Total all costs
18747274	OHIO	CN	OH-WAYNESVILLE-1799 IRIS TRL --RESZG	5/14/2021			Main to Meter - Under 200 feet	59	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	Unit cost	\$704	Unit cost	\$446	\$0	\$460	\$1,611	\$704	\$446	\$0	\$460	\$1,611
18594898	OHIO	DW	OH-HUBER HEIGHTS-7750 BRANDT PIKE -- NEWG	6/17/2021			Main to Meter - Under 200 feet	55	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	Unit cost	\$704	Unit cost	\$446	\$0	\$460	\$1,611	\$704	\$446	\$0	\$460	\$1,611
18827774	OHIO	DW	OH-TIPP CITY-3122 CATTAIL DR --RESZG	6/10/2021		1.00 INCH	Main to Meter - Under 200 feet	77	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	Unit cost	\$704	Unit cost	\$446	\$0	\$460	\$1,611	\$704	\$446	\$0	\$460	\$1,611
18459272	OHIO	FA	OH-DAYTON-1839 MAPLE LN --RESZG	4/30/2021			Main to Meter - Under 200 feet	21	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	Unit cost	\$704	Unit cost	\$446	\$0	\$460	\$1,611	\$704	\$446	\$0	\$460	\$1,611
18795960	OHIO	DW	OH-DAYTON-746 SUPERIOR AVE -LEAK-REPAIR--LEAK-REPAIR	5/11/2021			Main to Meter - Under 200 feet	0	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	Unit cost	\$704	Unit cost	\$446	\$0	\$460	\$1,611	\$704	\$446	\$0	\$460	\$1,611
18210380	OHIO	CN	OH-WEST CARROLLTON-110 TRUMPET DR -LEAK-REPAIR--	6/17/2021			Main to Meter - Under 200 feet	37	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	Unit cost	\$704	Unit cost	\$446	\$0	\$460	\$1,611	\$704	\$446	\$0	\$460	\$1,611
18150739	OHIO	CN	OH-DAYTON-2440 WYOMING ST -LEAK-REPAIR--	1/28/2021			Meter Set Replacement	0	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	Unit cost	\$704	Unit cost	\$446	\$0	\$460	\$1,611	\$704	\$446	\$0	\$460	\$1,611
18884214	OHIO	BF	OH-LAKEVIEW-8997 WALNUT SHR -LEAK-REPAIR--LEAK-REPAIR	6/3/2021			Curb to Meter	4	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	Unit cost	\$704	Unit cost	\$446	\$0	\$460	\$1,611	\$704	\$446	\$0	\$460	\$1,611
18318174	OHIO	CN	OH-DAYTON-1440 COUNTRY WOOD DR --RESZG	2/22/2021			Main to Meter - Under 200 feet	43	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	Unit cost	\$704	Unit cost	\$446	\$0	\$460	\$1,611	\$704	\$446	\$0	\$460	\$1,611
18313726	OHIO	FA	OH-XENIA-167 HOSPITALITY DR --RESZG	1/20/2021			Main to Meter - Under 200 feet	83	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	Unit cost	\$704	Unit cost	\$446	\$0	\$460	\$1,611	\$704	\$446	\$0	\$460	\$1,611
18348442	OHIO	FA	OH-XENIA-314 HAMPTON PL --RESZG	4/5/2021			Main to Meter - Under 200 feet	65	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	Unit cost	\$704	Unit cost	\$446	\$0	\$460	\$1,611	\$704	\$446	\$0	\$460	\$1,611
18746100	OHIO	BF	OH-URBANA-1333 W ST ROUTE 296 -LEAK-REPAIR--	4/22/2021			Meter Set Replacement	0	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	Unit cost	\$704	Unit cost	\$446	\$0	\$460	\$1,611	\$704	\$446	\$0	\$460	\$1,611
18285229	OHIO	FA	OH-DAYTON-3971 LARGO LN --RESZG	2/2/2021			Meter Set Replacement	0	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	Unit cost	\$704	Unit cost	\$446	\$0	\$460	\$1,611	\$704	\$446	\$0	\$460	\$1,611
18103517	OHIO	FA	OH-DAYTON-2137 ENTRADA DR --RESZG	3/24/2021			Main to Meter - Under 200 feet	20	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	Unit cost	\$704	Unit cost	\$446	\$0	\$460	\$1,611	\$704	\$446	\$0	\$460	\$1,611
18341034	OHIO	DW	OH-BROOKVILLE-26 WILDERNESS CV --RESZG	3/30/2021			Main to Meter - Under 200 feet	0	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	Unit cost	\$704	Unit cost	\$446	\$0	\$460	\$1,611	\$704	\$446	\$0	\$460	\$1,611
18635308	OHIO	TR	OH-TIPP CITY-563 PRIMROSE LN --RESZG	6/10/2021			Main to Meter - Under 200 feet	54	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	Unit cost	\$704	Unit cost	\$446	\$0	\$460	\$1,611	\$704	\$446	\$0	\$460	\$1,611
	OHIO	CN	OH-DAYTON-400 SHADY CREST DR -- SERVICE REPLACEMENT MOVE METER OUTSIDE	6/17/2021			Main to Meter - Under 200 feet	0	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016
18041692	OHIO	CN	OH-DAYTON-3042 BIG HILL RD --RESZG	1/22/2021			Main to Meter - Under 200 feet	15	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	Unit cost	\$704	Unit cost	\$446	\$0	\$460	\$1,611	\$704	\$446	\$0	\$460	\$1,611
18599851	OHIO	CN	OH-DAYTON-3500 STONEBRIDGE RD --RESZG	4/9/2021			Main to Meter - Under 200 feet	74	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	Unit cost	\$704	Unit cost	\$446	\$0	\$460	\$1,611	\$704	\$446	\$0	\$460	\$1,611
18753004	OHIO	TR	OH-TIPP CITY-813 DEVONSHIRE AVE --RESZG	4/28/2021			Main to Meter - Under 200 feet	88	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	Unit cost	\$704	Unit cost	\$446	\$0	\$460	\$1,611	\$704	\$446	\$0	\$460	\$1,611
18145895	OHIO	CN	OH-DAYTON-2424 PINEGROVE DR -LEAK-REPAIR--	3/9/2021	STEEL		Main to Meter - Under 200 feet	0	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$11.91	\$12	\$6.07	\$6	\$4,412	\$1,772	\$6,201	\$12	\$6	\$4,412	\$1,772	\$6,201
18454872	OHIO	CN	OH-DAYTON-2003 HERITAGE POINT DR --RELOG	2/24/2021	HDPE		Curb to Meter	1	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$11.91	\$60	\$6.07	\$30	\$4,412	\$1,801	\$6,302	\$60	\$30	\$4,412	\$1,801	\$6,302
18454706	OHIO	CN	OH-DAYTON-2038 HERITAGE POINT DR --RELOG	2/22/2021	HDPE		Main to Meter - Under 200 feet	0	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$11.91	\$60	\$6.07	\$30	\$4,412	\$1,801	\$6,302	\$60	\$30	\$4,412	\$1,801	\$6,302
18454697	OHIO	CN	OH-DAYTON-2062 HERITAGE POINT DR --RELOG	3/1/2021	HDPE		Main to Meter - Under 200 feet	85	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$11.91	\$60	\$6.07	\$30	\$4,412	\$1,801	\$6,302	\$60	\$30	\$4,412	\$1,801	\$6,302
18454951	OHIO	CN	OH-DAYTON-2047 HERITAGE POINT DR LOWR --RELOG	2/25/2021			Main to Meter - Under 200 feet	77	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$11.91	\$60	\$6.07	\$30	\$4,412	\$1,801	\$6,302	\$60	\$30	\$4,412	\$1,801	\$6,302
18454949	OHIO	CN	OH-DAYTON-2047 HERITAGE POINT DR UPPR --RELOG	2/25/2																							



CEOH 2021 Service Replacement Work Order Detail & Cost Allocation

Totals (\$000s): \$127 \$75 \$3,131 \$1,333 \$4,666 \$367 \$200 \$2,033 \$1,040 \$3,641 \$494 \$275 \$5,164 \$2,373 \$8,307

								Main to Curb (Non-Incremental)								Curb to Meter (Incremental)								Grand Total (Main to Curb + Curb to Meter)				
WONUM	DIV	OC	DESCRIPTION	ACT_FINISH DATE	pipe_installed-material	pipe_installed-size	Service Replacement Type	pipe_installed-length	Labor cost/ft	Labor cost	Mat'l cost/ft	Mat'l cost	Misc cost	Overhead cost	Subtotal main to curb	Labor cost/ft	Labor cost	Mat'l cost/ft	Mat'l cost	Misc cost	Overhead cost	Subtotal curb to meter	Total labor cost	Total mat'l cost	Total misc cost	Total overhead cost	Total all costs	
99113435	OHIO	VED	Replace Service-Plastic-3rd Party-Leak	1/8/2020			Main to Meter - Under 200 feet	60	\$3.15	\$13	\$1.70	\$7	\$3,375	\$1,358	\$4,752	\$8.01	\$32	\$4.34	\$17	\$1,636	\$674	\$2,360	\$45	\$24	\$5,011	\$2,032	\$7,112	
99128345	OHIO	VED	Replace Service Line-Plastic-Leak	1/10/2020			Curb to Meter	42	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016	
99134220	OHIO	VED	Replace Service Line-Plastic-Leak	2/7/2020			Curb to Meter	11	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016	
99136706	OHIO	VED	Replace Service Line-Plastic-Leak	9/30/2020			Main to Meter - Under 200 feet	0	\$3.15	\$126	\$1.70	\$68	\$3,375	\$1,428	\$4,997	\$8.01	\$321	\$4.34	\$173	\$1,636	\$852	\$2,983	\$446	\$242	\$5,011	\$2,280	\$7,979	
99140870	OHIO	VED	Replace Service Line - Plastic	8/8/2020			Main to Meter - Under 200 feet	0	\$3.15	\$16	\$1.70	\$9	\$3,375	\$1,360	\$4,759	\$8.01	\$40	\$4.34	\$22	\$1,636	\$679	\$2,377	\$56	\$30	\$5,011	\$2,039	\$7,136	
99148294	OHIO	VED	Replace Service Line-Steel-Leak	8/20/2020			Curb to Meter	30	\$3.15	\$91	\$1.70	\$49	\$3,375	\$1,406	\$4,922	\$8.01	\$232	\$4.34	\$126	\$1,636	\$798	\$2,792	\$324	\$175	\$5,011	\$2,204	\$7,714	
99165674	OHIO	VED	Replace Service Line-Plastic-Leak	9/24/2020			Main to Meter - Under 200 feet	51	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016	
99167178	OHIO	VED	Replace Service-Plastic-3rd Party-Leak	2/3/2020			Curb to Meter	2	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016	
99174481	OHIO	VED	CANCELED PER S. EMRICK. TGW 1-18-22	1/14/2020			Main to Meter - Under 200 feet	25	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016	
99174483	OHIO	VED	Replace Service Line-Plastic-Leak	2/22/2020			Main to Meter - Under 200 feet	50	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016	
99177383	OHIO	VED	Replace Service Line-Plastic-Leak	12/3/2020			Curb to Meter	10	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016	
99190236	OHIO	VED	Replace Service Line-Plastic-Leak	7/31/2020			Main to Curb	3	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$11.91	\$0	\$6.07	\$0	\$4,412	\$1,765	\$6,176	\$0	\$0	\$4,412	\$1,765	\$6,176	
99199190	OHIO	VED	Replace Service Line - Plastic	9/18/2020			Main to Meter - Under 200 feet	40	\$3.15	\$378	\$1.70	\$204	\$3,375	\$1,583	\$5,540	\$8.01	\$962	\$4.34	\$520	\$1,636	\$1,247	\$4,366	\$1,339	\$725	\$5,011	\$2,830	\$9,906	
99208154	OHIO	VED	Replace Service Line-Plastic-Leak	9/30/2020			Curb to Meter	20	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016	
99213216	OHIO	VED	Replace Service Line-Plastic	1/8/2020			Main to Meter - Under 200 feet	78	\$3.15	\$139	\$1.70	\$75	\$3,375	\$1,435	\$5,024	\$8.01	\$353	\$4.34	\$191	\$1,636	\$872	\$3,052	\$491	\$266	\$5,011	\$2,307	\$8,076	
99217159	OHIO	VED	Replace Service Line-Plastic-Leak	10/14/2020			Main to Curb	1	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$11.91	\$0	\$6.07	\$0	\$4,412	\$1,765	\$6,176	\$0	\$0	\$4,412	\$1,765	\$6,176	
99219450	OHIO	VED	Replace Service Line-Plastic-Leak	10/28/2020			Main to Meter - Under 200 feet	125	\$3.15	\$214	\$1.70	\$116	\$3,375	\$1,482	\$5,187	\$8.01	\$545	\$4.34	\$295	\$1,636	\$990	\$3,467	\$759	\$411	\$5,011	\$2,472	\$8,654	
99222783	OHIO	VED	Replace Service Line-Plastic	10/28/2020			Curb to Meter	4	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016	
99223066	OHIO	VED	Replace Service Line-Plastic-Leak	10/28/2020			Main to Curb	1	\$3.15	\$44	\$1.70	\$24	\$3,375	\$1,377	\$4,820	\$8.01	\$112	\$4.34	\$61	\$1,636	\$724	\$2,533	\$156	\$85	\$5,011	\$2,101	\$7,353	
99223943	OHIO	VED	Replace Service-Plastic-3rd Party-Leak	7/14/2020			Curb to Meter	7	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016	
99223984	OHIO	VED	Replace Service-Plastic-3rd Party-Leak	1/23/2020			Main to Meter - Under 200 feet	50	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016	
99224407	OHIO	VED	Replace Service-Plastic-3rd Party-Leak	11/23/2020			Meter Set Replacement	0	\$3.15	\$38	\$1.70	\$20	\$3,375	\$1,373	\$4,806	\$8.01	\$96											

CEOH 2021 Service Replacement Work Order Detail & Cost Allocation

Totals (\$000s): \$127 \$75 \$3,131 \$1,333 \$4,666 \$367 \$200 \$2,033 \$1,040 \$3,641 \$494 \$275 \$5,164 \$2,373 \$8,307

WONUM	DIV	OC	DESCRIPTION	ACT_FINISH DATE	pipe_installed-material	pipe_installed-size	Service Replacement Type	pipe_installed-length	Main to Curb (Non-Incremental)								Curb to Meter (Incremental)						Grand Total (Main to Curb + Curb to Meter)				
									Labor cost/ft	Labor cost	Mat'l cost/ft	Mat'l cost	Misc cost	Overhead cost	Subtotal main to curb	Labor cost/ft	Labor cost	Mat'l cost/ft	Mat'l cost	Misc cost	Overhead cost	Subtotal curb to meter	Total labor cost	Total mat'l cost	Total misc cost	Total overhead cost	Total all costs
99544705	OHIO	VED	Replace Service Line-Plastic	10/5/2020			Main to Meter - Under 200 feet	50	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016
99564833	OHIO	VED	Replace Service Line-Plastic-Leak	9/30/2020			Meter Set Replacement	0	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016
99567983	OHIO	VED	Replace Service Line-Plastic-Leak	1/17/2020			Main to Meter - Over 200 feet	299	\$3.15	\$47	\$1.70	\$26	\$3,375	\$1,379	\$4,827	\$8.01	\$120	\$4.34	\$65	\$1,636	\$729	\$2,550	\$167	\$91	\$5,011	\$2,108	\$7,377
99570869	OHIO	VED	Replace Service Line-Plastic	2/13/2020			Meter Set Replacement	0	\$3.15	\$28	\$1.70	\$15	\$3,375	\$1,367	\$4,786	\$8.01	\$72	\$4.34	\$39	\$1,636	\$699	\$2,446	\$100	\$54	\$5,011	\$2,066	\$7,233
99583317	OHIO	VED	Replace Service Line-Plastic-Leak	1/28/2020			Main to Curb	0	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	Unit cost	\$704	Unit cost	\$446	\$0	\$460	\$1,611	\$704	\$446	\$0	\$460	\$1,611
99593077	OHIO	VED	Replace Service Line-Plastic-Leak	7/28/2020			Main to Meter - Under 200 feet	78	\$3.15	\$25	\$1.70	\$14	\$3,375	\$1,366	\$4,779	\$8.01	\$64	\$4.34	\$35	\$1,636	\$694	\$2,429	\$89	\$48	\$5,011	\$2,060	\$7,208
99612915	OHIO	VED	Replace Service Line-Plastic-Leak	1/13/2020			Main to Meter - Under 200 feet	57	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016
99612927	OHIO	VED	Replace Service Line-Steel-Leak	12/17/2020			Main to Meter - Under 200 feet	127	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016
99633019	OHIO	VED	Replace Service Line-Plastic-Leak	3/16/2020			Curb to Meter	3	\$3.15	\$192	\$1.70	\$104	\$3,375	\$1,468	\$5,139	\$8.01	\$489	\$4.34	\$265	\$1,636	\$956	\$3,346	\$681	\$368	\$5,011	\$2,424	\$8,485
99633697	OHIO	VED	Replace Service Line-Plastic-Leak	8/12/2020			Main to Meter - Under 200 feet	0	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	Unit cost	\$704	Unit cost	\$446	\$0	\$460	\$1,611	\$704	\$446	\$0	\$460	\$1,611
99636834	OHIO	VED	Replace Service Line-Plastic-Leak	12/10/2020			Meter Set Replacement	0	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016
99641926	OHIO	VED	Replace Service Line-Plastic-Leak	11/18/2020			Curb to Meter	6	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016
99643151	OHIO	VED	Replace Service Line-Plastic-Leak	8/21/2020			Main to Meter - Under 200 feet	40	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016
99646965	OHIO	VED	Replace Service Line-Plastic-Leak	8/11/2020			Meter Set Replacement	0	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	Unit cost	\$704	Unit cost	\$446	\$0	\$460	\$1,611	\$704	\$446	\$0	\$460	\$1,611
99648530	OHIO	VED	Replace Service Line-Steel-Leak	2/4/2020			Curb to Meter	16	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016
99648548	OHIO	VED	Replace Service Line-Plastic-Leak	5/5/2020			Curb to Meter	3	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016
99649186	OHIO	VED	Replace Service Line-Plastic-Leak	9/30/2020			Main to Meter - Under 200 feet	115	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	Unit cost	\$704	Unit cost	\$446	\$0	\$460	\$1,611	\$704	\$446	\$0	\$460	\$1,611
99669247	OHIO	VED	Abandon Service Line-Steel-Leak	2/4/2020			Main to Meter - Under 200 feet	80	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016
99685417	OHIO	VED	Replace Service Line-Plastic-Leak	7/9/2020			Main to Meter - Under 200 feet	82	Unit cost	\$463	Unit cost	\$402	\$5,011	\$2,350	\$8,226	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$463	\$402	\$5,011	\$2,350	\$8,226
99688156	OHIO	VED	Replace Service-Plastic-3rd Party-Leak	11/6/2020			Curb to Meter	4	\$3.15	\$13	\$1.70	\$7	\$3,375	\$1,358	\$4,752	\$8.01	\$32	\$4.34	\$17	\$1,636	\$674	\$2,360	\$45	\$24	\$5,011	\$2,032	\$7,112
99689749	OHIO	VED	Replace Service Line-Plastic-Leak	10/1/2020			Meter Set Replacement	0	\$3.15	\$113	\$1.70	\$61	\$3,375	\$1,420	\$4,970	\$8.01	\$289	\$4.34	\$156	\$1,636	\$832	\$2,913	\$402	\$217	\$5,011	\$2,252	\$7,883
99689974	OHIO	VED	Replace Service Line-Plastic-Leak	5/6/2020			Main to Meter - Under 200 feet	47	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636							



CEOH 2021 Service Replacement Work Order Detail & Cost Allocation

Totals (\$000s):

\$127

\$75

\$3,131

\$1,333

\$4,666

\$367

\$200

\$2,033

\$1,040

\$3,641

\$494

\$275

\$5,164

\$2,373

\$8,307

WONUM	DIV	OC	DESCRIPTION	ACT_FINISH DATE	pipe_installed-material	pipe_installed-size	Service Replacement Type	pipe_installed-length	Main to Curb (Non-Incremental)							Curb to Meter (Incremental)						Grand Total (Main to Curb + Curb to Meter)					
									Labor cost/ft	Labor cost	Mat'l cost/ft	Mat'l cost	Misc cost	Overhead cost	Subtotal main to curb	Labor cost/ft	Labor cost	Mat'l cost/ft	Mat'l cost	Misc cost	Overhead cost	Subtotal curb to meter	Total labor cost	Total mat'l cost	Total misc cost	Total overhead cost	Total all costs
99982267	OHIO	VED	Replace Service-Plastic-3rd Party-Leak	3/26/2020	HDPE		Main to Meter - Under 200 feet	112	\$3.15	\$57	\$1.70	\$31	\$3,375	\$1,385	\$4,847	\$8.01	\$144	\$4.34	\$78	\$1,636	\$743	\$2,602	\$201	\$109	\$5,011	\$2,128	\$7,449
99984494	OHIO	VED	Replace Service Line-Plastic-Leak	4/24/2020	HDPE		Main to Meter - Under 200 feet	37	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016
99987847	OHIO	VED	Replace Service Line-Plastic-Leak	1/13/2020	HDPE		Main to Meter - Under 200 feet	116	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016
99996266	OHIO	VED	Replace Service Line-Plastic-Leak	3/5/2020	HDPE		Main to Meter - Under 200 feet	96	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016
99998876	OHIO	VED	Abandon Service - Steel	3/11/2020	HDPE	1.00 INCH	Main to Meter - Under 200 feet	100	Unit cost	\$463	Unit cost	\$402	\$5,011	\$2,350	\$8,226	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$463	\$402	\$5,011	\$2,350	\$8,226
100000248	OHIO	VED	Abandon Service Line-Steel-Leak	1/27/2020	HDPE	1.00 INCH	Main to Meter - Under 200 feet	103	\$3.15	\$3	\$1.70	\$2	\$3,375	\$1,352	\$4,732	\$8.01	\$8	\$4.34	\$4	\$1,636	\$659	\$2,308	\$11	\$6	\$5,011	\$2,011	\$7,040
100002174	OHIO	VED	Replace Service Line-Plastic	7/29/2020			Main to Meter - Under 200 feet	0	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016
100022019	OHIO	VED	Replace Service Line-Plastic-Leak	1/30/2020	HDPE		Main to Meter - Under 200 feet	54	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	Unit cost	\$704	Unit cost	\$446	\$0	\$460	\$1,611	\$704	\$446	\$0	\$460	\$1,611
100034318	OHIO	VED	Replace Service-Plastic-3rd Party-Leak	9/29/2020			Meter Set Replacement	0	Unit cost	\$463	Unit cost	\$402	\$5,011	\$2,350	\$8,226	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$463	\$402	\$5,011	\$2,350	\$8,226
100036521	OHIO	VED	Replace Service Line-Plastic-Leak	3/9/2020	HDPE	1.00 INCH	Curb to Meter	6	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$11.91	\$0	\$6.07	\$0	\$4,412	\$1,765	\$6,176	\$0	\$0	\$4,412	\$1,765	\$6,176
100040659	OHIO	VED	Replace Service Line-Plastic-Leak	8/17/2020	HDPE		Main to Meter - Under 200 feet	79	\$3.15	\$239	\$1.70	\$129	\$3,375	\$1,497	\$5,241	\$8.01	\$609	\$4.34	\$330	\$1,636	\$1,030	\$3,605	\$848	\$459	\$5,011	\$2,527	\$8,846
100060589	OHIO	VED	Replace Service Line-Plastic	2/27/2020	HDPE	1.00 INCH	Main to Meter - Under 200 feet	50	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016
100060597	OHIO	VED	Replace Service Line-Plastic-Leak	6/3/2020	HDPE		Main to Meter - Under 200 feet	1	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016
100061493	OHIO	VED	Replace Service Line-Plastic-Leak	5/14/2020			Main to Meter - Under 200 feet	0	Unit cost	\$463	Unit cost	\$402	\$5,011	\$2,350	\$8,226	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$463	\$402	\$5,011	\$2,350	\$8,226
100062692	OHIO	VED	Replace Service Line-Plastic-Leak	1/13/2020	HDPE		Main to Meter - Under 200 feet	55	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$11.91	\$0	\$6.07	\$0	\$4,412	\$1,765	\$6,176	\$0	\$0	\$4,412	\$1,765	\$6,176
100064308	OHIO	VED	Replace Service Line-Plastic-Leak	6/10/2020			Main to Meter - Under 200 feet	0	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016
100065540	OHIO	VED	Abandon Service Line-Steel-Leak	6/22/2020	HDPE		Main to Meter - Under 200 feet	60	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$11.91	\$0	\$6.07	\$0	\$4,412	\$1,765	\$6,176	\$0	\$0	\$4,412	\$1,765	\$6,176
100067502	OHIO	VED	Replace Service Line-Plastic-Leak	9/4/2020			Main to Meter - Under 200 feet	0	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016
100068004	OHIO	VED	Replace Service Line-Steel-Leak	9/3/2020	HDPE		Main to Meter - Under 200 feet	29	\$3.15	\$66	\$1.70	\$36	\$3,375	\$1,391	\$4,868	\$8.01	\$168	\$4.34	\$91	\$1,636	\$758	\$2,654	\$234	\$127	\$5,011	\$2,149	\$7,522
100068152	OHIO	VED	Replace Service Line-Plastic-Leak	10/26/2020	HDPE		Main to Meter - Under 200 feet	55	\$3.15	\$299	\$1.70	\$162	\$3,375	\$1,534	\$5,370	\$8.01	\$761	\$4.34	\$412	\$1,636	\$1,124	\$3,934	\$1,060	\$574	\$5,011	\$2,658	\$9,304
100069076	OHIO	VED	Replace Service Line-Plastic-Leak	9/11/2020	HDPE		Main to Meter - Under 200 feet	59	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	Unit cost	\$704	Unit cost	\$446	\$0	\$460	\$1,611	\$704	\$446	\$0	\$460	\$1,611
100077520	OHIO	VED	Replace Service Line-Plastic-Leak	10/5/2020	HDPE		Main to Curb	10	Unit cost	\$463	Unit cost	\$402	\$5,011	\$2,350	\$8,226	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$463	\$402	\$5,011	\$2,350	\$8,226
100078544	OHIO	VED	Replace Service Line-Plastic	8/4/2020	HDPE	1.00 INCH	Main to Meter - Under 200 feet	99	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$11.91	\$381	\$6.07	\$194	\$4,412	\$1,995	\$6,982	\$381	\$194	\$4,412	\$1,995	\$6,982
100096736	OHIO	VED	Replace Service-Plastic-3rd Party-Leak	11/28/2020	HDPE		Main to Meter - Under 200 feet	23	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016
100099477	OHIO	VED	Replace Service Line-Plastic-Leak	3/5/2020	HDPE		Main to Meter - Under 200 feet	34	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016
100101006	OHIO	VED	Replace Service Line-Plastic-Leak	12/2/2020			Main to Meter - Under 200 feet	0	Unit cost	\$463	Unit cost	\$402	\$5,011	\$2,350	\$8,226	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$463	\$402	\$5,011	\$2,350	\$8,226
100109699	OHIO	VED	Replace Service Line-Plastic	2/11/2020	HDPE		Main to Meter - Under 200 feet	55	\$3.15	\$239	\$1.70	\$129	\$3,375	\$1,497	\$5,241	\$8.01	\$609	\$4.34	\$330	\$1,636	\$1,030	\$3,605	\$848	\$459	\$5,011	\$2,527	\$8,846
100110764	OHIO	VED	Replace Service-Plastic-3rd Party-Leak	2/3/2020	HDPE		Curb to Meter	1	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016
100113016	OHIO	VED	Replace Service Line-Plastic-Leak	1/30/2020	HDPE	1.00 INCH	Main to Meter - Under 200 feet	40	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016
100114916	OHIO	VED	Replace Service Line-Plastic-Leak	5/21/2020	HDPE		Main to Meter - Under 200 feet	90	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016
100118984	OHIO	VED	Replace Service Line-Plastic-Leak	7/16/2020	HDPE		Main to Meter - Under 200 feet	53	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016
100128720	OHIO	VED	Replace Service Line-Plastic	9/3/2020	HDPE	2.00 INCH	Main to Meter - Over 200 feet	292	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016
100157254	OHIO	VED	Replace Service Line-Plastic-Leak	11/5/2020			Meter Set Replacement	0	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$11.91	\$0	\$6.07	\$0	\$4,412	\$1,765	\$6,176	\$0	\$0	\$4,412	\$1,765	\$6,176
100159136	OHIO	VED	Abandon Service - Steel	11/10/2020	HDPE		Main to Meter - Under 200 feet	43	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016
100160356	OHIO	VED	Replace Service Line-Plastic-Leak	11/13/2020	HDPE		Main to Meter - Under 200 feet	109	\$3.15	\$142	\$1.70	\$77	\$3,375	\$1,437	\$5,031	\$8.01	\$361	\$4.34	\$195	\$1,636	\$877	\$3,069	\$502	\$272	\$5,011	\$2,314	\$8,100
100176386	OHIO	VED	Replace Service Line-Plastic-Leak	12/17/2020			Main to Meter - Under 200 feet	0	\$3.15	\$246	\$1.70	\$133	\$3,375	\$1,501	\$5,255	\$8.01	\$625	\$4.34	\$338	\$1,636	\$1,040	\$3,640	\$871	\$471	\$5,011	\$2,541	\$8,894
100179500	OHIO	VED	Relocate Service Line-Steel	5/7/2020	STEEL	0.75 INCH	Curb to Meter	20	\$3.15	\$94	\$1.70	\$51	\$3,375	\$1,408	\$4,929	\$8.01	\$240	\$4.34	\$130	\$1,636	\$803	\$2,810	\$335	\$181	\$5,011	\$2,211	\$7,738
100183929	OHIO	VED	Extend Service Line-Plastic	12/29/2020	HDPE		Main to Meter - Under 200 feet	93	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016
100186467	OHIO	VED	Replace Service-Plastic-3rd Party-Leak	8/17/2020	HDPE		Curb to Meter	26	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016

CEOH 2021 Service Replacement Work Order Detail & Cost Allocation

Totals (\$000s):

\$127

\$75

\$3,131

\$1,333

\$4,666

\$367

\$200

\$2,033

\$1,040

\$3,641

\$494

\$275

\$5,164

\$2,373

\$8,307

WONUM	DIV	OC	DESCRIPTION	ACT_FINISH DATE	pipe_installed-material	pipe_installed-size	Service Replacement Type	pipe_installed-length	Main to Curb (Non-Incremental)							Curb to Meter (Incremental)						Grand Total (Main to Curb + Curb to Meter)					
									Labor cost/ft	Labor cost	Mat'l cost/ft	Mat'l cost	Misc cost	Overhead cost	Subtotal main to curb	Labor cost/ft	Labor cost	Mat'l cost/ft	Mat'l cost	Misc cost	Overhead cost	Subtotal curb to meter	Total labor cost	Total mat'l cost	Total misc cost	Total overhead cost	Total all costs
100384102	OHIO	VED	Replace Service Line-Plastic	5/21/2020	HDPE	1.00 INCH	Main to Meter - Under 200 feet	10	\$3.15	\$252	\$1.70	\$136	\$3,375	\$1,505	\$5,268	\$8.01	\$641	\$4.34	\$347	\$1,636	\$1,050	\$3,674	\$893	\$483	\$5,011	\$2,555	\$8,943
100385307	OHIO	VED	Replace Service Line-Plastic	5/16/2020	HDPE		Curb to Meter	1	\$3.15	\$25	\$1.70	\$14	\$3,375	\$1,366	\$4,779	\$8.01	\$64	\$4.34	\$35	\$1,636	\$694	\$2,429	\$89	\$48	\$5,011	\$2,060	\$7,208
100387888	OHIO	VED	Replace Service Line-Plastic-Leak	1/8/2020	HDPE		Main to Meter - Under 200 feet	80	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016
100393544	OHIO	VED	Abandon Service-Steel-3rd Party-Leak	2/25/2020	HDPE	1.00 INCH	Main to Curb	8	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016
100399217	OHIO	VED	Replace Service Line-Plastic-Leak	10/23/2020			Meter Set Replacement	0	Unit cost	\$463	Unit cost	\$402	\$5,011	\$2,350	\$8,226	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$463	\$402	\$5,011	\$2,350	\$8,226
100434347	OHIO	VED	Replace Service Line-Plastic-Leak	11/9/2020	HDPE	1.00 INCH	Main to Curb	5	\$3.15	\$482	\$1.70	\$261	\$3,375	\$1,647	\$5,764	\$8.01	\$1,226	\$4.34	\$664	\$1,636	\$1,410	\$4,937	\$1,708	\$924	\$5,011	\$3,057	\$10,701
100439244	OHIO	VED	Replace Service Line-Plastic-Leak	1/16/2020	HDPE		Main to Meter - Under 200 feet	34	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016
100449671	OHIO	VED	Replace Service Line-Plastic	1/29/2020			Meter Set Replacement	0	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016
100450090	OHIO	VED	Replace Service Line-Plastic-Leak	2/3/2020	HDPE		Main to Meter - Under 200 feet	55	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016
100465304	OHIO	VED	Replace Service Line-Plastic-Leak	3/5/2020	HDPE		Main to Meter - Under 200 feet	76	\$3.15	\$79	\$1.70	\$43	\$3,375	\$1,399	\$4,895	\$8.01	\$200	\$4.34	\$108	\$1,636	\$778	\$2,723	\$279	\$151	\$5,011	\$2,177	\$7,618
100473894	OHIO	VED	Replace Service Line-Plastic	1/13/2020	HDPE		Main to Curb	1	\$3.15	\$283	\$1.70	\$153	\$3,375	\$1,525	\$5,336	\$8.01	\$721	\$4.34	\$390	\$1,636	\$1,099	\$3,847	\$1,005	\$544	\$5,011	\$2,624	\$9,183
100474524	OHIO	VED	Replace Service Line-Plastic-Leak	5/11/2020	HDPE		Curb to Meter	5	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016
100477358	OHIO	VED	Replace Service Line-Plastic-Leak	6/2/2020			Main to Meter - Under 200 feet	0	\$3.15	\$126	\$1.70	\$68	\$3,375	\$1,428	\$4,997	\$8.01	\$321	\$4.34	\$173	\$1,636	\$852	\$2,983	\$446	\$242	\$5,011	\$2,280	\$7,979
100480349	OHIO	VED	Replace Service Line-Plastic	3/11/2020	HDPE		Main to Curb	3	\$3.15	\$214	\$1.70	\$116	\$3,375	\$1,482	\$5,187	\$8.01	\$545	\$4.34	\$295	\$1,636	\$990	\$3,467	\$759	\$411	\$5,011	\$2,472	\$8,654
100481890	OHIO	VED	Replace Service Line-Plastic-Leak	3/24/2020	HDPE		Main to Meter - Under 200 feet	98	\$3.15	\$173	\$1.70	\$94	\$3,375	\$1,457	\$5,099	\$8.01	\$441	\$4.34	\$239	\$1,636	\$926	\$3,242	\$614	\$332	\$5,011	\$2,383	\$8,340
100488274	OHIO	VED	Replace Service Line-Plastic-Leak	3/12/2020	HDPE	1.00 INCH	Main to Curb	5	\$3.15	\$170	\$1.70	\$92	\$3,375	\$1,455	\$5,092	\$8.01	\$433	\$4.34	\$234	\$1,636	\$921	\$3,225	\$603	\$326	\$5,011	\$2,376	\$8,316
100491295	OHIO	VED	Replace Service Line-Plastic-Leak	9/15/2020	HDPE		Main to Meter - Under 200 feet	33	Unit cost	\$463	Unit cost	\$402	\$5,011	\$2,350	\$8,226	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$463	\$402	\$5,011	\$2,350	\$8,226
100492220	OHIO	VED	Replace Service Line-Plastic-Leak	9/16/2020	HDPE		Main to Curb	60	\$3.15	\$16	\$1.70	\$9	\$3,375	\$1,360	\$4,759	\$8.01	\$40	\$4.34	\$22	\$1,636	\$679	\$2,377	\$56	\$30	\$5,011	\$2,039	\$7,136
100492373	OHIO	VED	Replace Service Line-Plastic-Leak	1/8/2020	HDPE		Main to Meter - Under 200 feet	40	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$11.91	\$572	\$6.07	\$291	\$4,412	\$2,110	\$7,384	\$572	\$291	\$4,412	\$2,110	\$7,384
100503059	OHIO	VED	Abandon Service Line-Plastic-Leak	10/9/2020			Main to Meter - Under 200 feet	0	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016
100511517	OHIO	VED	Replace Service Line-Plastic-Leak	10/14/2020	HDPE		Main to Meter - Under 200 feet	56	\$3.15	\$205	\$1.70	\$111	\$3,375	\$1,476	\$5,166	\$8.01	\$521	\$4.34	\$282	\$1,636	\$976	\$3,415	\$726	\$393	\$5,011	\$2,452	\$8,581
100512546	OHIO	VED	Replace Service-Plastic-3rd Party-Leak	3/6/2020		OTHER	Meter Set Replacement	0	\$3.15	\$3	\$1.70	\$2	\$3,375	\$1,352	\$4,732	\$8.01	\$8	\$4.34	\$4	\$1,636	\$659	\$2,308	\$11	\$6	\$5,011	\$2,011	\$7,040
100512887	OHIO	VED	Replace Service-Plastic-3rd Party-Leak	6/3/2020	HDPE		Main to Meter - Under 200 feet	76	\$3.15	\$3	\$1.70	\$2	\$3,375	\$1,352	\$4,732	\$8.01	\$8	\$4.34	\$4	\$1,636	\$659	\$2,308	\$11	\$6	\$5,011	\$2,011	\$7,040
100514474	OHIO	VED	Replace Service Line-Plastic-Leak	7/17/2020	HDPE		Main to Meter - Under 200 feet	40	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$11.91	\$0	\$6.07	\$0	\$4,412	\$1,765	\$6,176	\$0	\$0	\$4,412	\$1,765	\$6,176
100514792	OHIO	VED	Replace Service Line-Plastic-Leak	6/23/2020	HDPE		Main to Meter - Under 200 feet	63	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016
100515033	OHIO	VED	Replace Service Line-Plastic-Leak	10/9/2020	HDPE		Curb to Meter	24	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016
100517393	OHIO	VED	Replace Service Line-Plastic-Leak	7/15/2020	HDPE		Main to Meter - Under 200 feet	87	\$3.15	\$157	\$1.70	\$85	\$3,375	\$1,447	\$5,065	\$8.01	\$401	\$4.34	\$217	\$1,636	\$902	\$3,155	\$558	\$302	\$5,011	\$2,349	\$8,220
100534746	OHIO	VED	Replace Service Line-Plastic	3/3/2020	HDPE		Curb to Meter	42	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016
100541360	OHIO	VED	Replace Service Line-Plastic-Leak	2/3/2020	HDPE		Main to Meter - Under 200 feet	1	Unit cost	\$463	Unit cost	\$402	\$5,011	\$2,350	\$8,226	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$463	\$402	\$5,011	\$2,350	\$8,226
100547934	OHIO	VED	Replace Service Line-Plastic-Leak	2/10/2020	HDPE		Main to Meter - Under 200 feet	37	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$11.91	\$0	\$6.07	\$0	\$4,412	\$1,765	\$6,176	\$0	\$0	\$4,412	\$1,765	\$6,176
100548595	OHIO	VED	Replace Service Line-Plastic-Leak	2/21/2020	HDPE	1.00 INCH	Main to Meter - Under 200 feet	32	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$11.91	\$0	\$6.07	\$0	\$4,412	\$1,765	\$6,176	\$0	\$0	\$4,412	\$1,765	\$6,176
100549722	OHIO	VED	Replace Service-Plastic-3rd Party-Leak	10/7/2020	HDPE		Curb to Meter	10	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$11.91	\$0	\$6.07	\$0	\$4,412	\$1,765	\$6,176	\$0	\$0	\$4,412	\$1,765	\$6,176
100554786	OHIO	VED	Replace Service-Plastic-3rd Party-Leak	3/6/2020	HDPE		Main to Meter - Under 200 feet	23	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016
100555988	OHIO	VED	Replace Service Line-Plastic	3/18/2020	HDPE		Curb to Meter	2	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016
100564935	OHIO	VED	Replace Service Line-Plastic	7/11/2020			Main to Meter - Under 200 feet	0	\$3.15	\$205	\$1.70	\$111	\$3,375	\$1,476	\$5,166	\$8.01	\$521	\$4.34	\$282	\$1,636	\$976	\$3,415	\$726	\$393	\$5,011	\$2,452	\$8,581
100568039	OHIO	VED	Replace Service-Plastic-3rd Party-Leak	7/29/2020	HDPE		Curb to Meter	40	\$3.15	\$9	\$1.70	\$5	\$3,375	\$1,356	\$4,745	\$8.01	\$24	\$4.34	\$13	\$1,636	\$669	\$2,343	\$33	\$18	\$5,011	\$2,025	\$7,088
100571991	OHIO	VED	Replace Service-Plastic-3rd Party-Leak	1/7/2020	HDPE	1.00 INCH	Curb to Meter	8	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016
100579733	OHIO	VED	Replace Service Line-Plastic-Leak	12/18/2020	HDPE		Main to Meter - Under 200 feet	46	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016
100579891	OHIO	VED	Replace Service Line-Plastic-Leak	12/18/2020			Meter Set Replacement	0	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,7												

CEOH 2021 Service Replacement Work Order Detail & Cost Allocation

Totals (\$000s):

\$127

\$75

\$3,131

\$1,333

\$4,666

\$367

\$200

\$2,033

\$1,040

\$3,641

\$494

\$275

\$5,164

\$2,373

\$8,307

								Main to Curb (Non-Incremental)								Curb to Meter (Incremental)								Grand Total (Main to Curb + Curb to Meter)				
WONUM	DIV	OC	DESCRIPTION	ACT_FINISH DATE	pipe_installed-material	pipe_installed-size	Service Replacement Type	pipe_installed-length	Labor cost/ft	Labor cost	Mat'l cost/ft	Mat'l cost	Misc cost	Overhead cost	Subtotal main to curb	Labor cost/ft	Labor cost	Mat'l cost/ft	Mat'l cost	Misc cost	Overhead cost	Subtotal curb to meter	Total labor cost	Total mat'l cost	Total misc cost	Total overhead cost	Total all costs	
100774569	OHIO	VED	Replace Service Line-Plastic-Leak	11/25/2020	HDPE		Main to Meter - Under 200 feet	61	\$3.15	\$271	\$1.70	\$147	\$3,375	\$1,517	\$5,309	\$8.01	\$689	\$4.34	\$373	\$1,636	\$1,079	\$3,778	\$960	\$520	\$5,011	\$2,596	\$9,087	
100792011	OHIO	VED	Replace Service Line-Plastic-Leak	7/29/2020	HDPE		Main to Meter - Under 200 feet	61	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016	
100794101	OHIO	VED	Replace Service Line-Plastic-Leak	4/6/2020	HDPE		Curb to Meter	1	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016	
100794834	OHIO	VED	Replace Service Line-Plastic-Leak	4/15/2020	MDPE		Main to Curb	1	\$3.15	\$142	\$1.70	\$77	\$3,375	\$1,437	\$5,031	\$8.01	\$361	\$4.34	\$195	\$1,636	\$877	\$3,069	\$502	\$272	\$5,011	\$2,314	\$8,100	
100795551	OHIO	VED	Replace Service Line-Plastic-Leak	8/26/2020			Main to Meter - Under 200 feet	0	\$3.15	\$157	\$1.70	\$85	\$3,375	\$1,447	\$5,065	\$8.01	\$401	\$4.34	\$217	\$1,636	\$902	\$3,155	\$558	\$302	\$5,011	\$2,349	\$8,220	
100801538	OHIO	VED	Replace Service Line-Plastic	9/18/2020	HDPE		Curb to Meter	36	\$3.15	\$31	\$1.70	\$17	\$3,375	\$1,369	\$4,793	\$8.01	\$80	\$4.34	\$43	\$1,636	\$704	\$2,464	\$112	\$60	\$5,011	\$2,073	\$7,257	
100811469	OHIO	VED	Replace Service Line-Plastic	6/10/2020	HDPE		Curb to Meter	1	\$3.15	\$283	\$1.70	\$153	\$3,375	\$1,525	\$5,336	\$8.01	\$721	\$4.34	\$390	\$1,636	\$1,099	\$3,847	\$1,005	\$544	\$5,011	\$2,624	\$9,183	
100821996	OHIO	VED	Replace Service Line-Plastic-Leak	4/7/2020	HDPE		Curb to Meter	30	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016	
100845840	OHIO	VED	Replace Service-Plastic-3rd Party-Leak	9/2/2020	HDPE		Main to Meter - Under 200 feet	22	\$3.15	\$9	\$1.70	\$5	\$3,375	\$1,356	\$4,745	\$8.01	\$24	\$4.34	\$13	\$1,636	\$669	\$2,343	\$33	\$18	\$5,011	\$2,025	\$7,088	
100846310	OHIO	VED	Replace Service Line-Plastic-Leak	7/13/2020	MDPE		Main to Meter - Under 200 feet	126	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016	
100847261	OHIO	VED	Replace Service Line-Plastic-Leak	8/12/2020	HDPE		Main to Meter - Under 200 feet	55	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016	
100848895	OHIO	VED	Replace Service Line-Plastic-Leak	10/26/2020	HDPE	1.00 INCH	Main to Curb	8	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016	
100850358	OHIO	VED	Replace Service Line-Plastic-Leak	10/27/2020			Meter Set Replacement	0	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016	
100853200	OHIO	VED	Replace Service Line-Plastic-Leak	11/11/2020	HDPE		Curb to Meter	2	\$3.15	\$299	\$1.70	\$162	\$3,375	\$1,534	\$5,370	\$8.01	\$761	\$4.34	\$412	\$1,636	\$1,124	\$3,934	\$1,060	\$574	\$5,011	\$2,658	\$9,304	
100884515	OHIO	VED	Replace Service Line-Plastic-Leak	11/17/2020	HDPE	1.00 INCH	Main to Meter - Under 200 feet	30	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$11.91	\$95	\$6.07	\$49	\$4,412	\$1,822	\$6,378	\$95	\$49	\$4,412	\$1,822	\$6,378	
100887026	OHIO	VED	Replace Service-Plastic-3rd Party-Leak	10/14/2020	HDPE		Main to Meter - Under 200 feet	83	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016	
100888644	OHIO	VED	Replace Service-Plastic-3rd Party-Leak	10/15/2020	HDPE		Main to Meter - Under 200 feet	41	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016	
100907818	OHIO	VED	Replace Service Line-Plastic-Leak	11/18/2020	HDPE		Main to Meter - Under 200 feet	49	\$3.15	\$126	\$1.70	\$68	\$3,375	\$1,428	\$4,997	\$8.01	\$321	\$4.34	\$173	\$1,636	\$852	\$2,983	\$446	\$242	\$5,011	\$2,280	\$7,979	
100911399	OHIO	VED	Replace Service Line-Plastic-Leak	11/18/2020			Meter Set Replacement	0	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$11.91	\$1,072	\$6.07	\$546	\$4,412	\$2,412	\$8,441	\$1,072	\$546	\$4,412	\$2,412	\$8,441	
100914076	OHIO	VED	Replace Service Line-Plastic	9/29/2020	HDPE		Main to Meter - Under 200 feet	57	\$3.15	\$79	\$1.70	\$43	\$3,375	\$1,399	\$4,895	\$8.01	\$200	\$4.34	\$108	\$1,636	\$778	\$2,723	\$279	\$151	\$5,011	\$2,177	\$7,618	
100914382	OHIO	VED	Replace Service Line-Plastic-Leak	6/25/2020	HDPE		Main to Meter - Under 200 feet	47	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$11.91	\$0	\$6.07	\$0	\$4,412	\$1,765	\$6,176	\$0	\$0	\$4,412	\$1,765	\$6,176	
100916658	OHIO	VED	Replace Service-Plastic-3rd Party-Leak	7/10/2020	MDPE		Main to Meter - Under 200 feet	43	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016	
100920069	OHIO	VED	Replace Service Line-Plastic-Leak	3/23/2020		2.00 INCH	Meter Set Replacement	0	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	Unit cost	\$704	Unit cost	\$446	\$0	\$460	\$1,611	\$704	\$446	\$0	\$460	\$1,611	
100920777	OHIO	VED	Replace Service Line-Plastic-Leak	1/9/2020	HDPE		Main to Meter - Under 200 feet	81	\$3.15	\$57	\$1.70	\$31	\$3,375	\$1,385	\$4,847	\$8.01	\$144	\$4.34	\$78	\$1,636	\$743	\$2,602	\$201	\$109	\$5,011	\$2,128	\$7,449	
100921713	OHIO	VED	Replace Service Line-Plastic-Leak	4/27/2020	HDPE	1.00 INCH	Curb to Meter	23	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016	
100926049	OHIO	VED	Replace Service Line-Plastic-Leak	8/11/2020	HDPE		Main to Meter - Under 200 feet	38	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$11.91	\$0	\$6.07	\$0	\$4,412	\$1,765	\$6,176	\$0	\$0	\$4,412	\$1,765	\$6,176	
100926060	OHIO	VED	Replace Service Line-Plastic-Leak	8/14/2020	HDPE		Main to Meter - Over 200 feet	350	\$3.15	\$189	\$1.70	\$102	\$3,375	\$1,466	\$5,133	\$8.01	\$481	\$4.34	\$260	\$1,636	\$951	\$3,328	\$670	\$362	\$5,011	\$2,417	\$8,461	
100932023	OHIO	VED	Replace Service-Plastic-3rd Party-Leak	11/13/2020			Meter Set Replacement	0	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016	
100932934	OHIO	VED	Replace Service Line-Plastic-Leak	9/9/2020			Main to Meter - Under 200 feet	0	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016	
100933370	OHIO	VED	Replace Service Line-Plastic-Leak	9/18/2020	HDPE		Main to Meter - Under 200 feet	83	\$3.15	\$120	\$1.70	\$65	\$3,375	\$1,424	\$4,983	\$8.01	\$305	\$4.34	\$165	\$1,636	\$842	\$2,948	\$424	\$230	\$5,011	\$2,266	\$7,931	
100943408	OHIO	VED	Replace Service Line-Plastic-Leak	8/17/2020			Main to Meter - Under 200 feet	0	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016	
100943647	OHIO	VED	Abandon Service-Plastic-3rd Party-Leak	11/2/2020	HDPE	1.00 INCH	Main to Meter - Under 200 feet	62	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016	
100944214	OHIO	VED	Replace Service Line-Plastic-Leak	9/2/2020	HDPE		Main to Meter - Under 200 feet	38	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016	
100946072	OHIO	VED	Replace Service-Plastic-3rd Party-Leak	3/12/2020	HDPE	1.00 INCH	Main to Meter - Under 200 feet	5	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016	
100950728	OHIO	VED	Replace Service Line-Plastic-Leak	4/13/2020		1.00 INCH	Main to Meter - Under 200 feet	0	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016	
100953914	OHIO	VED	Replace Service Line-Plastic-Leak	9/23/2020		1.25 INCH	Meter Set Replacement	0	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016	
100959904	OHIO	VED	Replace Service Line-Plastic-Leak	10/7/2020	HDPE		Curb to Meter	28	\$0.00	\$0	\$0.00	\$0	\$0	\$0	\$0	\$11.91	\$0	\$6.07	\$0	\$4,412	\$1,765	\$6,176	\$0	\$0	\$4,412	\$1,765	\$6,176	
100960622	OHIO	VED	Replace Service Line-Plastic-Leak	1/20/2020	HDPE		Curb to Meter	4	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016	
100969532	OHIO	VED	Replace Service Line-Plastic-Leak	4/22/2020	HDPE		Main to Meter - Under 200 feet	40	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0</					

### CEOH 2021 Service Replacement Work Order Detail & Cost Allocation

<b>Totals (\$000s):</b>	\$127	\$75	\$3,131	\$1,333	<b>\$4,666</b>	\$367	\$200	\$2,033	\$1,040	<b>\$3,641</b>	\$494	\$275	\$5,164	\$2,373	<b>\$8,307</b>
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WONUM	DIV	OC	DESCRIPTION	ACT_FINISH DATE	pipe_installed-material	pipe_installed-size	Service Replacement Type	pipe_installed-length	Main to curb (from incremental)							Curb to meter (incremental)							Grand Total (Main to curb + Curb to meter)				
									Labor cost/ft	Labor cost	Mat'l cost/ft	Mat'l cost	Misc cost	Overhead cost	Subtotal main to curb	Labor cost/ft	Labor cost	Mat'l cost/ft	Mat'l cost	Misc cost	Overhead cost	Subtotal curb to meter	Total labor cost	Total mat'l cost	Total misc cost	Total overhead cost	Total all costs
101132066	OHIO	VED	Replace Service Line-Plastic	1/15/2020	HDPE		Main to Meter - Under 200 feet	120	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016
101150595	OHIO	VED	Replace Service Line-Plastic-Leak	5/27/2020		1.00 INCH	Main to Meter - Under 200 feet	0	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016
101163685	OHIO	VED	Replace Service-Plastic-3rd Party-Leak	11/6/2020	HDPE		Main to Meter - Under 200 feet	66	\$3.15	\$0	\$1.70	\$0	\$3,375	\$1,350	\$4,725	\$8.01	\$0	\$4.34	\$0	\$1,636	\$655	\$2,291	\$0	\$0	\$5,011	\$2,005	\$7,016

**Operating & Maintenance Savings Calculation**

A		B	C	
			Baseline Savings	
1	Savings from 2018 Retired BS/CI Mileage	56.49	\$ 5,882	\$ 332,274 A1xB1
2	Savings from 2019 Retired BS/CI Mileage	49.55	\$ 5,882	\$ 291,453 A2xB2
3	Savings from 2020 Retired BS/CI Mileage	56.72	\$ 5,882	\$ 333,627 A3xB3
4	Savings from 2021 Retired BS/CI Mileage	61.79	\$ 5,882	\$ 363,449 A4xB4
5	Total Savings:		<b>\$ 1,320,803</b>	C1

\* Baseline savings prior to 2018 are in base rates

CEOH 2021 Maintenance Expense - BS/CI & Service Line Ownership

Service O&M Expense Change

		A	B	C
Meter Order Management				
	Baseline		2021	Change from Baseline
1 Outside Leaks	3,616		3,699	
2 Investigate Gas Emergency	685		649	
3 No Gas	1,756		1,586	
4 Water in Service	2		1	
5 Total	6,059		5,935	
6 % Allocated to BS/CI Facilities	30%		24%	
7 Orders applicable to BS/CI	1,806	A5 * A6	1,407	B5 * B6
	Baseline		2021	
8 Total Meter Orders	141,145		104,108	
9 Meter Order Mgmt Actuals	\$ 5,364,831		4,986,945	
10 Average Cost per Order	38.01	A9/A8	47.90	B9/B8
11 Average cost per Asset Condition based Order	76.02	2 * A10	95.80	2 * B10
* Leak Investigation order averages approximately 2x's longer than average meter order				
	Baseline (C1xC2)		2021	Change from Baseline
12 Orders Applicable to BS/CI x Average Order Cost per Asset Condition based Order	\$ 137,258	A7 * A11	\$ 134,756	B7 * B11
				\$ 2,502 A12 - B12

Leak Repair & Management

	Baseline		2021		Change from Baseline	
13 Service Leak Repair Actuals	\$ 510,754		\$ 291,277		\$ 219,477	A13-B13
14 % of Service BS/CI Leak Repairs	26%		14%			
15 Incremental Service O&M Expenses attributable to BS/CI	\$ 130,753	A13*A14	\$ 41,517	B13*B14	\$ 89,236	A15-B15
16 Incremental Service O&M Expenses attributable to All Other Asset Types	\$ 380,001	A13-A15	\$ 249,760	B13-B15	\$ 130,241	A16-B16
17 TOTAL BS/CI SERVICE MAINTENANCE EXPENSES	\$ 268,011	A12+A15	\$ 176,274	B12+B15	\$ 91,737	A17-B17

MAIN O&M Expense Change

Leak Repair & Management						
	Baseline		2021		Change from Baseline	
18 Total Main Leak Repair Actuals	\$ 2,854,630		\$ 1,315,794			
19 Cost Associated with Soft Surface Repairs	\$ 2,198,065		\$ 918,032			
20 % of Soft Surface Repairs on BS/CI Main Leaks	28%		16%			
21 Cost Associated with Hard Surface Repairs	\$ 656,565		\$ 397,762			
22 % of Hard Surface Repairs on BS/CI Main Leaks	48%		45%			
23 Main O&M Expenses attributable to BS/CI	\$ 923,593	(A19*A20)+(A21*A22)	\$ 326,100	(B19*B20)+(B21*B22)	\$ 597,493	A23-B23
24 Total O&M Maintenance Expenses (Main + Services)	\$ 1,191,604	A17+A23	\$ 502,373	B17+B23	\$ 689,230	A24-B24



**BEFORE  
THE PUBLIC UTILITIES COMMISSION OF OHIO**

In the Matter of the Application of	)	
Vectren Energy Delivery of Ohio, Inc. d/b/a	)	
CenterPoint Energy Ohio for Authority to	)	Case No. 22-0455-GA-RDR
Adjust Its Distribution Replacement Rider	)	
Charges.	)	

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**DIRECT TESTIMONY**

**OF**

**CHRISSY M. BEHME**

**MANAGER, REGULATORY REPORTING**

**ON BEHALF OF**

**VECTREN ENERGY DELIVERY OF OHIO, INC.**

**D/B/A CENTERPOINT ENERGY OHIO**

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**Direct Testimony of  
Chrissy M. Behme**

**I. INTRODUCTION**

**Q1. Please state your name and business address.**

A. My name is Chrissy M. Behme and my business address is 211 NW Riverside Drive,  
Evansville, Indiana 47708.

**Q2. What position do you hold with Applicant CenterPoint Energy Ohio (CEOH or the Company)?**

A. I am Manager, Regulatory Reporting for CenterPoint Energy Services Company, LLC  
(Service Company), a wholly-owned subsidiary of CenterPoint Energy, Inc.  
(CenterPoint). The Service Company provides centralized support services to CenterPoint  
Energy, Inc.'s operating units, of which Vectren Energy Delivery of Ohio, Inc. d/b/a  
CenterPoint Energy Ohio (CEOH or Company) is one. I also hold this same position with  
two other utility subsidiaries of CenterPoint – Indiana Gas Company, Inc. d/b/a  
CenterPoint Energy Indiana North (CEI North) and Southern Indiana Gas and Electric  
Company d/b/a CenterPoint Energy Indiana South (CEI South).

**Q3. Please describe your educational background.**

A. I graduated from University of Evansville in 2015 with a Bachelor of Science Degree in  
Accounting.

**Q4. Please describe your professional experience.**

A. I began working for the Company in 2014 as an Accounting Analyst and have held  
various accounting and reporting positions with increasing responsibility within the  
Company since that time. Those positions include Senior Accounting Analyst, Senior  
External Reporting and Accounting Research Analyst, Senior Utility Accounting



Analyst, and Lead Regulatory Reporting Analyst. In October 2021, I was promoted to my current role as Manager of Regulatory Reporting.

**Q5. What are your present duties and responsibilities as Manager, Regulatory Reporting?**

A. I am responsible for the financial analysis and implementation of regulatory initiatives for the Service Company's regulated utility operations covering Indiana and Ohio. These duties include preparation of accounting exhibits submitted in various regulatory proceedings for these operations, including CEOH.

**Q6. Are you familiar with the books, records, and accounting procedures of CEOH?**

A. Yes, I am.

**Q7. Are CEOH's books and records maintained in accordance with the Uniform System of Accounts (USoA) and generally accepted accounting principles?**

A. Yes.

**Q8. Have you previously testified before this Commission or any other state regulatory commission?**

A. Yes, I am currently testifying before the Public Utilities Commission of Ohio on behalf of CEOH in its Capital Expenditure Program (CEP) proceeding, Case No. 22-0620-GA-RDR. Additionally, I have testified before the Indiana Utility Regulatory Commission (IURC) on behalf of CenterPoint Energy, Inc.

**Q9. What is the purpose of your testimony in this proceeding?**

A. My testimony explains the calculation of the revenue requirement for CEOH's DRR, which includes the bare-steel and cast-iron replacement program (the Replacement Program) and incremental costs associated with the Company's assumption of service line responsibility. I will also provide an explanation of the accounting procedures the Company uses to record and segregate the costs recoverable in the DRR.

**Q10. What Exhibits are you sponsoring in this proceeding?**

A. The following exhibits are attached to my testimony:

- Exhibit No. CMB-1 – Summary of DRR Revenue Requirement
- Exhibit No. CMB-2 – Revenue Requirement for Main Replacement Program
- Exhibit No. CMB-2a – Utility Plant Additions for Main Replacement Program
- Exhibit No. CMB-2b – Utility Plant Retirements for Main Replacement Program
- Exhibit No. CMB-2c – Accumulated Depreciation for Main Replacement Program
- Exhibit No. CMB-2d – Cost of Removal for Main Replacement Program
- Exhibit No. CMB-2e – Post in Service Carrying Costs (PISCC) for Main Replacement Program
- Exhibit No. CMB-2f – Annualized Property Tax Expense for Main Replacement Program
- Exhibit No. CMB-2g – Deferred Taxes on Liberalized Depreciation for Main Replacement Program
- Exhibit No. CMB-2h – Deferred Depreciation Regulatory Asset Balance for Main Replacement Program
- Exhibit No. CMB-3 – Revenue Requirement for Service Line and Completed Riser Replacement Program
- Exhibit No. CMB-3a – Utility Plant Additions for Service Line and Riser Replacement Program
- Exhibit No. CMB-3b – Utility Plant Retirements for Service Line and Riser Replacement Program
- Exhibit No. CMB-3c – Accumulated Depreciation for Service Line and Riser Replacement Program
- Exhibit No. CMB-3d – Cost of Removal for Service Line and Riser Replacement Program
- Exhibit No. CMB-3e – PISCC for Service Line and Riser Replacement Program
- Exhibit No. CMB-3f – Annualized Property Tax Expense for Service Line and Riser Replacement Program

- Exhibit No. CMB-3g – Deferred Taxes on Liberalized Depreciation for Service Line and Riser Replacement Program
- Exhibit No. CMB-3h – Deferred Depreciation Regulatory Asset Balance for Service

## II. BACKGROUND

### **Q11. Has the Commission approved changes to the DRR since it was originally approved in Case No. 07-1080-GA-AIR?**

A. Yes. The Commission’s February 19, 2014 Order in Case No. 13-1571-GA-ALT approved a Stipulation and Recommendation (the 13-1571 Stipulation) between CEOH and the Staff of the Public Utilities Commission of Ohio. In the 13-1571 Stipulation, the Commission approved continuation of the DRR, which was originally approved in Case No. 07-1080-GA-AIR (the 2007 Rate Case). The 13-1571 Stipulation allowed CEOH to recover a return on and of investments made by the Company under an accelerated bare-steel and cast-iron pipeline replacement program, inclusive of capitalized interest (or post-in-service carrying costs, or PISCC) associated with the Replacement Program, and to recover the incremental costs of assuming responsibility for service lines.

### **Q12. How did the 13-1571 Stipulation modify the DRR?**

A. The 13-1571 Stipulation provided that Replacement Program costs incurred through December 31, 2017 are recoverable in the DRR. It also accelerated the pace of the Replacement Program and clarified and expanded the scope of costs recoverable in the DRR. These and other modifications are described in further detail in the 13-1571 Stipulation itself.

### **Q13. Has CEOH been granted an extension of the DRR beyond 2017?**

A. Yes. The 2018 Rate Case extended the DRR and Replacement Program for six years, for investments made starting in 2018 through 2023. The 2018 Rate Case specifically

reflected agreement, within the Stipulation and Recommendation, by the signatory parties to continue the DRR and Replacement Program for this six-year period.

### III. DRR REVENUE REQUIREMENT

**Q14. Please explain the work order process that CEOH uses to segregate and record the capital costs of the bare steel and cast iron replacement and riser/service line replacement programs (collectively, the Programs) while the projects are under construction (the Program Construction Costs).**

A. To ensure proper accumulation and segregation of Program Construction Costs, a project number is assigned to each capital work order. All Program Construction Costs, as incurred, are recorded to the assigned project number and are maintained in the Company's financial system. The project number is required for the recording of all Program Construction Costs into the Company's financial system. Total Program Construction Costs incurred can be viewed and/or reported by the project number at any point in time as the Programs progress.

**Q15. What costs did CEOH include in the value of the property for the DRR rate base additions?**

A. The DRR includes the construction costs of the Programs, as well as engineering and project management, permitting, consulting services, site preparation, equipment and installation, cost of retirement, an allocation of administrative overhead, and other related expenses.

**Q16. Is an allowance for funds used during construction (AFUDC) included in the Program Construction Costs?**

A. Yes, AFUDC has been recorded as part of the Program Construction Costs in accordance with USoA. The 2021 AFUDC rate used for all other CEOH construction projects was 3.20%.

**Q17. When does CEOH discontinue recording AFUDC on the Program Construction Costs?**

A. CEOH ceases the accrual of AFUDC when each work order is placed in service and begins accruing PISCC. In accordance with the Order in Case No. 20-101-GA-RDR, the PISCC rate is 5.07%, effective January 1, 2019. The Commission's order in the 2007 Rate Case approved the accrual of PISCC after the work order in-service date, along with the fixed rate utilized. The net PISCC deferred for the calendar year ended December 31, 2021 has been reflected on Exhibit No. CMB-2, Line 11 for mains and Exhibit No. CMB-3, Line 16 for service lines. In accordance with the 2018 Rate Case, all PISCC deferred through December 31, 2017 have been included in base rates and removed from the DRR.

**Q18. What is PISCC?**

A. PISCC stands for post-in-service carrying costs and is an allocation of interest cost to the infrastructure investments made in the Programs and is accumulated from the in-service date through the date each project's costs are included for recovery in the DRR or in base rates.

**Q19. What rate of return is used to calculate the DRR revenue requirement?**

A. In accordance with the terms of the 2018 Rate Case, the pre-tax rate of return applicable to DRR-recoverable investments is 8.81%.

**Q20. Does the DRR revenue requirement include retirements and the cost of removal of utility plant assets?**

A. Yes. Existing bare-steel and cast-iron mains and service lines are being retired as part of the Program. CEOH had discontinued the installation of bare-steel and cast-iron pipe by the 1950s; therefore, any retirements of these types of mains and service lines represent fully depreciated plant in service. As the retirements are performed, CEOH is also

recording the cost to retire or remove the bare-steel and cast-iron assets as part of the Replacement Program.

**Q21. How did CEOH account for the asset retirements and associated cost of removal?**

A. In accordance with the USoA, the retirement of utility assets, at original cost, and the retirement's related cost of removal made necessary by the Replacement Program were charged to the associated depreciation reserve(s). The Replacement Program's original cost retirements are reflected on Exhibit No. CMB-2, Lines 4 and 9 for mains, and on Exhibit No. CMB-3, Lines 6 and 7 and Lines 13 and 14 for service lines, and cost of removal is reflected on Exhibit No. CMB-2, Line 8 for mains and Exhibit No. CMB-3, Line 12 for service lines.

**Q22. What operating expenses are included in the DRR revenue requirement?**

A. CEOH has reflected the incremental property tax (Exhibit No. CMB-2, Line 20 (mains) and Exhibit No. CMB-3, Line 27 (service lines)) and annualized depreciation expense (Exhibit No. CMB-2, Line 21 (mains) and Exhibit No. CMB-3, Line 28 and 29 (service lines)) based on the net additions to plant in service shown on Exhibit No. CMB-2, Line 5, mains, and Exhibit No. CMB-3, Line 8, service lines. The annualized depreciation expense was calculated using the depreciation rates approved in the 2018 Rate Case (2.57%), and property tax expense is supported by Exhibit No. CMB-2f (mains) and Exhibit No. CMB-3f (service lines and risers).

CEOH has also included in the DRR revenue requirement the incremental cost associated with assuming ownership of service lines. This expense is reflected on Exhibit No. CMB-3, Line 33. CEOH witness Steven A. Hoover provides the support for the incremental expense in Exhibit No. SAH-8.

**Q23. Are there maintenance expense adjustments associated with the Replacement Program?**

A. Yes. As approved in the 2018 Rate Case, operations and maintenance (O&M) savings attributed to the Replacement Program are included as an offset to the costs recoverable in the DRR. In this case, the amount of the offset, reflected on CEOH witness Hoover's Exhibit No. SAH-7, was determined by a credit of \$5,882 per mile of cumulative bare-steel and cast-iron main retired, which results in a total O&M Savings Credit of \$1,320,803. As the 2018 Rate Case captured the impact of savings reflected for miles replaced through 2017, this credit captures savings for 2018 and beyond. This credit is reflected in the DRR revenue requirement on Exhibit No. CMB-2, Line 24 for mains and Exhibit No. CMB-3, Line 34 for services. CEOH witness Hoover discusses the determination of this O&M savings credit.

**IV. EXPLANATION OF EXHIBITS**

**Q24. Please explain Exhibit No. CMB-1.**

A. Exhibit No. CMB-1 summarizes the annualized revenue requirement exclusive of variances for the Programs. The revenue requirement is supported by Exhibit Nos. CMB-2 and CMB-3.

**Q25. Please explain Exhibit No. CMB-2 and Exhibit No. CMB-3.**

A. Exhibit No. CMB-2 and Exhibit No. CMB-3 represent the revenue requirement calculation for CEOH's DRR charges based on net rate base at December 31, 2021, inclusive of PISCC and deferred taxes related to depreciation and PISCC. Exhibit No. CMB-2 represents the revenue requirement calculation for the main replacement program, and Exhibit No. CMB-3 represents the revenue requirement calculation for service line replacements.

**Q26. Please explain Exhibit No. CMB-2a and Exhibit No. CMB-3a.**

A. Exhibit No. CMB-2a and Exhibit No. CMB-3a provide the actual plant additions by month for the twelve months ended December 31, 2021, to determine utility plant additions at December 31, 2021. Exhibit No. CMB-2a provides information for the main replacement program, and Exhibit No. CMB-3a provides information for the service line replacement programs.

**Q27. Please explain Exhibit No. CMB-2b and Exhibit No. CMB-3b.**

A. Exhibit No. CMB-2b and Exhibit No. CMB-3b provides the actual original cost retired by month for projects completed during the twelve months ended December 31, 2021, to calculate the Replacement Program's total original cost retirements. Exhibit No. CMB-2b provides information for the main replacement program, and Exhibit No. CMB-3b provides information for the service line replacement programs.

**Q28. Please explain Exhibit No. CMB-2c and Exhibit No. CMB-3c.**

A. Exhibit No. CMB-2c and Exhibit No. CMB-3c provides the actual provision for depreciation by month for the twelve months ended December 31, 2021, to calculate the accumulated depreciation provision at December 31, 2021. The depreciation rates utilized for this period reflect those approved in the 2018 Rate Case for January 1, 2019 and thereafter. Effective January 1, 2021, CEOH moved away from the mid-month convention methodology to align with CenterPoint Energy Corporate policy for calculating depreciation. CEOH now calculates depreciation using the previous month's net Plant balances without inclusion of a half month of current month net Plant additions. Exhibit No. CMB-2c provides information for the main replacement program, and Exhibit No. CMB-3c provides information for the service line replacement programs.



**Q29. Please explain Exhibit No. CMB-2d and Exhibit No. CMB-3d.**

A. Exhibit No. CMB-2d and Exhibit No. CMB-3d provide the actual cost of removal by month for the twelve months ended December 31, 2021, to calculate the Program's total cost of removal through December 31, 2021. Exhibit No. CMB-2d provides information for the main replacement program, and Exhibit No. CMB-3d provides information for the service line replacement programs.

**Q30. Please explain Exhibit No. CMB-2e and Exhibit No. CMB-3e.**

A. Exhibit No. CMB-2e and Exhibit No. CMB-3e provide the PISCC activity by month for the twelve months ended December 31, 2021, to calculate the PISCC regulatory asset balance at December 31, 2021. These schedules also provide the amortization of PISCC by month for the twelve months ended December 31, 2021, and an accumulated PISCC amortization balance at December 31, 2021. Furthermore, these schedules provide the Net PISCC Regulatory Asset at December 31, 2021. Effective January 1, 2019, with the order in the 2018 Rate Case Order, the PISCC rate is updated to 5.07%. Exhibit No. CMB-2e provides information for the main replacement program, and Exhibit No. CMB-3e provides information for the service line replacement programs.

**Q31. Please explain Exhibit No. CMB-2f and Exhibit No. CMB-3f.**

A. Exhibit No. CMB-2f and Exhibit No. CMB-3f provide the calculation of the annualized property tax expense based on the net additions (mains, service lines and risers) to Plant In-Service under the Programs. This calculation follows the process used in CEOH's Annual Report to the Ohio Department of Taxation to determine the Net Property Valuation and uses the latest known average personal property tax rate. Exhibit No. CMB-2f provides information for the net main additions, and Exhibit No. CMB-3f provides information for the net service line additions.

**Q32. Please explain Exhibit No. CMB-2g and Exhibit No. CMB-3g.**

A. Exhibit No. CMB-2g (mains) and Exhibit No. CMB-3g (service lines) provide the calculation of depreciation-related deferred taxes for the Programs' capital investments placed in service during 2021.

**Q33. Please explain Exhibit No. CMB-2h and Exhibit No. CMB-3h.**

A. Exhibit No. CMB-2h (mains) and Exhibit No. CMB-3h (service lines) provide the deferred depreciation activity by month for the twelve months ended December 31, 2021, to calculate the deferred depreciation regulatory asset balance as of December 31, 2021. These schedules also provide the amortization of deferred depreciation by month for the twelve months ended December 31, 2021, and an accumulated deferred depreciation amortization balance at December 31, 2021. Furthermore, these schedules provide the net deferred depreciation Regulatory Asset at December 31, 2021. Effective January 1, 2021, CEOH moved away from the mid-month convention methodology to align with CenterPoint Energy Corporate policy for calculating deferred depreciation. CEOH now calculates deferred depreciation using the previous month's net Plant balances without inclusion of a half month of current month net Plant additions. Exhibit No. CMB-2h provides information for the main replacement program, and Exhibit No. CMB-3h provides information for the service line replacement programs.

## **V. CONCLUSION**

**Q34. Does this conclude your direct testimony?**

A. Yes.

**VECTREN ENERGY DELIVERY OF OHIO, INC. D/B/A CENTERPOINT ENERGY OHIO**  
**DISTRIBUTION REPLACEMENT RIDER**  
**SUMMARY OF DRR REVENUE REQUIREMENT**

<u>Line</u>	<u>Description</u>	<u>Amount</u>	<u>Reference</u>
1	Mains Revenue Requirement	\$ 16,930,677	Exhibit No. CMB-2, Line 26
2	Service Lines Revenue Requirement	<u>21,459,852</u>	Exhibit No. CMB-3, Line 36
3	<b>Annual DRR Revenue Requirement</b>	<b><u>\$ 38,390,529</u></b>	<b>Line 1 + Line 2</b>

**VECTREN ENERGY DELIVERY OF OHIO, INC. D/B/A CENTERPOINT ENERGY OHIO**  
**DISTRIBUTION REPLACEMENT RIDER**  
**ANNUAL REVENUE REQUIREMENT - MAINS**

Line	Description	Amount	Reference
1	<b><u>Return on Investment:</u></b>		
2	<b><u>Plant In-Service at December 31, 2021</u></b>		
3	Additions - Main Replacements	\$ 127,691,348	Exhibit CMB-2a, Column O, Line 2
4	Original Cost - Retired Mains	(3,301,607)	Exhibit CMB-2b, Column P, Line 2
5	Total Plant In-Service	\$ 124,389,742	Line 3 + Line 4
6	<b><u>Less: Accumulated Depreciation at December 31, 2021</u></b>		
7	Depreciation Expense - Mains	\$ (5,782,939)	Exhibit CMB-2c, Column O, Line 2
8	Cost of Removal - Mains	3,940,096	Exhibit CMB-2d, Column O, Line 2
9	Original Cost - Retired Mains	3,301,607	-Line 4
10	Total Accumulated Depreciation	\$ 1,458,763	Sum of Lines 7 - 9
11	Net Deferred Post In-Service Carrying Costs (PISCC) <sup>(3)</sup>	\$ 6,530,764	Exhibit CMB-2e, Column O, Line 4
12	Deferred Depreciation Regulatory Asset Balance - Mains	\$ 2,662,744	Exhibit CMB-2h, Column B, Line 3
13	Net Deferred Tax Balance - PISCC	\$ (1,371,460)	-Line 11 x 21%
14	Deferred Taxes on Depreciation	\$ (3,384,792)	Exhibit No. CMB-2g, Line 18
15	Deferred Taxes on Deferred Depreciation Regulatory Asset	\$ (559,176)	-Line 12 x 21%
16	Net Rate Base	\$ 129,726,584	Sum of Lines 5 and 10 thru 15
17	Pre-Tax Rate of Return	8.81%	(4)
18	<b>Annualized Return on Rate Base - Mains</b>	<b>\$ 11,428,912</b>	Line 16 x Line 17
19	<b><u>Operations and Maintenance Expenses</u></b>		
20	Annualized Property Tax Expense	\$ 2,899,347	Exhibit No. CMB-2f, Line 17
21	Annualized Depreciation Expense	\$ 3,196,816	Line 5 x 2.57% <sup>(1)</sup>
22	Annualized PISCC Amortization Expense	\$ 94,598	Exhibit CMB-2e, Column D, Line 13
23	Annualized Deferred Depreciation Amortization Expense - Mains	\$ 38,434	Exhibit CMB-2h, Column C, Line 21
24	Annualized Maintenance Adjustment	\$ (727,431)	(2)
25	<b>Total Incremental Operating Expenses - Mains</b>	<b>\$ 5,501,765</b>	Sum of Lines 20-24
26	<b>Total Annual Revenue Requirement - Mains</b>	<b>\$ 16,930,677</b>	Line 18 + Line 25
		<b>(To Exhibit No. CMB-1)</b>	

(1) FERC Account 676 depreciation rate as approved in Case No. 18-0298-GA-AIR.

(2) Support provided by CEOH Witness Steven A. Hoover, Exhibit No. SAH-7, Column C, Line 5.

Allocation of Exhibit No. SAH-7 between Mains and Services based upon cumulative gross investment.

(3) PISCC is accrued at an annual rate of 5.07% from the in-service date until investments are reflected in the DRR rate as approved in Case No. 18-0298-GA-AIR.

(4) Rate of Return as approved in Case No. 18-0298-GA-AIR.

VECTREN ENERGY DELIVERY OF OHIO, INC. D/B/A CENTERPOINT ENERGY OHIO  
Distribution Replacement Rider (DRR)  
Mains - Plant Additions  
Twelve Months Ended December 31, 2021

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
Line No.	Description	Balance at 12/31/2020	1/31/2021	2/28/2021	3/31/2021	4/30/2021	5/31/2021	6/30/2021	7/31/2021	8/31/2021	9/30/2021	10/31/2021	11/30/2021	Balance at 12/31/2021	
1	<u>Cumulative Balance</u>														
2	Mains	\$ 96,816,075	\$ 98,623,489	\$ 100,077,228	\$ 101,645,894	\$ 102,219,484	\$ 103,317,705	\$ 108,394,341	\$ 109,320,038	\$ 110,094,845	\$ 111,475,662	\$ 112,099,260	\$ 119,952,716	\$ 127,691,348	To CMB-2, Line 3
3	<u>Current Year Activity</u>		<u>1/31/2021</u>	<u>2/28/2021</u>	<u>3/31/2021</u>	<u>4/30/2021</u>	<u>5/31/2021</u>	<u>6/30/2021</u>	<u>7/31/2021</u>	<u>8/31/2021</u>	<u>9/30/2021</u>	<u>10/31/2021</u>	<u>11/30/2021</u>	<u>12/31/2021</u>	Activity for Twelve Months Ended 12/31/2021
4	Mains		\$ 1,807,414	\$ 1,453,739	\$ 1,568,666	\$ 573,590	\$ 1,098,221	\$ 5,076,636	\$ 925,697	\$ 774,808	\$ 1,380,817	\$ 623,597	\$ 7,853,456	\$ 7,738,633	\$ 30,875,274

VECTREN ENERGY DELIVERY OF OHIO, INC. D/B/A CENTERPOINT ENERGY OHIO  
Distribution Replacement Rider (DRR)  
Mains - Retirements  
Twelve Months Ended December 31, 2021

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
Line No.	Description	Retirements at 12/31/2020	1/31/2021	2/28/2021	3/31/2021	4/30/2021	5/31/2021	6/30/2021	7/31/2021	8/31/2021	9/30/2021	10/31/2021	11/30/2021	12/31/2021	Total Retirements for Work Orders Placed in Service by 12/31/2021
1	<u>Cumulative Balance</u>														
2	Mains	\$ (2,172,036)	\$ (2,211,838)	\$ (2,252,670)	\$ (2,363,102)	\$ (2,337,295)	\$ (2,333,644)	\$ (2,753,938)	\$ (2,753,938)	\$ (2,784,002)	\$ (2,761,753)	\$ (2,770,506)	\$ (3,082,997)	\$ (3,301,607)	\$ (3,301,607) To CMB-2, Line 4
3	<u>Current Year Activity</u>		<u>1/31/2021</u>	<u>2/28/2021</u>	<u>3/31/2021</u>	<u>4/30/2021</u>	<u>5/31/2021</u>	<u>6/30/2021</u>	<u>7/31/2021</u>	<u>8/31/2021</u>	<u>9/30/2021</u>	<u>10/31/2021</u>	<u>11/30/2021</u>	<u>12/31/2021</u>	Retirements for Work Orders Placed In Service in 2021
4	Mains		\$ (39,802)	\$ (40,832)	\$ (110,432)	\$ 25,808	\$ 3,650	\$ (420,293)	\$ -	\$ (30,064)	\$ 22,249	\$ (8,753)	\$ (312,491)	\$ (218,609)	\$ (1,129,570)

VECTREN ENERGY DELIVERY OF OHIO, INC. D/B/A CENTERPOINT ENERGY OHIO  
Distribution Replacement Rider (DRR)  
Mains - Depreciation  
Twelve Months Ended December 31, 2021

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	
Line		Accumulated													
No.	Description	Depreciation at													
		12/31/2020	1/31/2021	2/28/2021	3/31/2021	4/30/2021	5/31/2021	6/30/2021	7/31/2021	8/31/2021	9/30/2021	10/31/2021	11/30/2021	12/31/2021	
1	Cumulative Balance														
2	Mains	\$ (3,054,377)	\$ (3,261,725)	\$ (3,472,943)	\$ (3,687,275)	\$ (3,904,967)	\$ (4,123,887)	\$ (4,345,159)	\$ (4,577,304)	\$ (4,811,431)	\$ (5,047,217)	\$ (5,285,961)	\$ (5,526,040)	\$ (5,782,939) To CMB-2, Line 7	
3	Current Year Activity	Depreciation												Depreciation	
		Rate	1/31/2021	2/28/2021	3/31/2021	4/30/2021	5/31/2021	6/30/2021	7/31/2021	8/31/2021	9/30/2021	10/31/2021	11/30/2021	12/31/2021	Expense
4	Mains <sup>(1)(2)</sup>	2.570%	\$ (207,348)	\$ (211,219)	\$ (214,332)	\$ (217,692)	\$ (218,920)	\$ (221,272)	\$ (232,145)	\$ (234,127)	\$ (235,786)	\$ (238,744)	\$ (240,079)	\$ (256,899)	\$ (2,728,562)

**Notes:**

(1) FERC Account 676 depreciation rate of 2.57% implemented on 9/1/2019 and approved in Case No. 18-0298-GA-AIR.

(2) Monthly depreciation activity represents this rate divided by 12 months. Depreciation on in-service activity in the current month receives no depreciation, and the cumulative balance from the prior month receives a full month of depreciation.

VECTREN ENERGY DELIVERY OF OHIO, INC. D/B/A CENTERPOINT ENERGY OHIO  
Distribution Replacement Rider (DRR)  
Mains - Cost of Removal  
Twelve Months Ended December 31, 2021

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
Line No.	Description	Cost of Removal <u>12/31/2020</u>	<u>1/31/2021</u>	<u>2/28/2021</u>	<u>3/31/2021</u>	<u>4/30/2021</u>	<u>5/31/2021</u>	<u>6/30/2021</u>	<u>7/31/2021</u>	<u>8/31/2021</u>	<u>9/30/2021</u>	<u>10/31/2021</u>	<u>11/30/2021</u>	Balance at <u>12/31/2021</u>	
1	<u>Cumulative Balance</u>														
2	Mains	\$ 2,837,176	\$ 2,874,994	\$ 2,901,656	\$ 2,933,006	\$ 2,995,817	\$ 3,078,468	\$ 3,171,095	\$ 3,297,463	\$ 3,370,743	\$ 3,540,775	\$ 3,587,014	\$ 3,851,733	\$ 3,940,096	To CMB-2, Line 8
3	<u>Current Year Activity</u>		<u>1/31/2021</u>	<u>2/28/2021</u>	<u>3/31/2021</u>	<u>4/30/2021</u>	<u>5/31/2021</u>	<u>6/30/2021</u>	<u>7/31/2021</u>	<u>8/31/2021</u>	<u>9/30/2021</u>	<u>10/31/2021</u>	<u>11/30/2021</u>	<u>12/31/2021</u>	Activity for Twelve Months Ended <u>12/31/2021</u>
4	Mains		\$ 37,818	\$ 26,663	\$ 31,350	\$ 62,810	\$ 82,651	\$ 92,627	\$ 126,368	\$ 73,279	\$ 170,032	\$ 46,240	\$ 264,719	\$ 88,362	\$ 1,102,920



VECTREN ENERGY DELIVERY OF OHIO, INC. D/B/A CENTERPOINT ENERGY OHIO  
Distribution Replacement Rider (DRR)  
Mains - Post In Service Carrying Costs (PISCC)  
Twelve Months Ended December 31, 2021

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
Line No.	Description	PISCC at 12/31/2020	1/31/2021	2/28/2021	3/31/2021	4/30/2021	5/31/2021	6/30/2021	7/31/2021	8/31/2021	9/30/2021	10/31/2021	11/30/2021	Balance at 12/31/2021	
1	<b>Cumulative Balance</b>														
2	Mains-PISCC	\$ 4,965,849	\$ 5,113,571	\$ 5,268,928	\$ 5,430,428	\$ 5,598,556	\$ 5,769,107	\$ 5,944,298	\$ 6,140,938	\$ 6,341,489	\$ 6,397,591	\$ 6,459,528	\$ 6,524,100	\$ 6,621,852	
3	Mains-PISCC Amortization	\$ (37,062)	\$ (40,860)	\$ (44,657)	\$ (48,454)	\$ (52,252)	\$ (56,049)	\$ (59,846)	\$ (63,644)	\$ (67,441)	\$ (73,353)	\$ (79,264)	\$ (85,176)	\$ (91,088)	
4	Deferred PISCC - Mains	\$ 4,928,787	\$ 5,072,711	\$ 5,224,271	\$ 5,381,974	\$ 5,546,304	\$ 5,713,058	\$ 5,884,452	\$ 6,077,294	\$ 6,274,048	\$ 6,324,239	\$ 6,380,264	\$ 6,438,923	\$ 6,530,764	To CMB-2, Line 11
5	<b>Current Year Activity</b>	<b>PISCC Rate (1)</b>	<b>1/31/2021</b>	<b>2/28/2021</b>	<b>3/31/2021</b>	<b>4/30/2021</b>	<b>5/31/2021</b>	<b>6/30/2021</b>	<b>7/31/2021</b>	<b>8/31/2021</b>	<b>9/30/2021</b>	<b>10/31/2021</b>	<b>11/30/2021</b>	<b>12/31/2021</b>	<b>Activity for Twelve Months Ended 12/31/2021</b>
6	2020 Mains - Deferred PISCC	5.070%	\$ 147,722	\$ 147,722	\$ 147,722	\$ 147,722	\$ 147,722	\$ 147,722	\$ 147,722	\$ 147,722	\$ -	\$ -	\$ -	\$ -	\$ 1,181,773
7	2021 Mains - Deferred PISCC	5.070%	\$ -	\$ 7,636	\$ 13,778	\$ 20,406	\$ 22,829	\$ 27,469	\$ 48,918	\$ 52,829	\$ 56,103	\$ 61,937	\$ 64,571	\$ 97,752	\$ 474,230
8	Total 2021 Deferred PISCC		\$ 147,722	\$ 155,358	\$ 161,500	\$ 168,128	\$ 170,551	\$ 175,191	\$ 196,640	\$ 200,551	\$ 56,103	\$ 61,937	\$ 64,571	\$ 97,752	\$ 1,656,003
9	Mains-PISCC Amortization (2)	1.429%	\$ (3,797)	\$ (3,797)	\$ (3,797)	\$ (3,797)	\$ (3,797)	\$ (3,797)	\$ (3,797)	\$ (3,797)	\$ (5,912)	\$ (5,912)	\$ (5,912)	\$ (5,912)	\$ (54,025)
10	<b>Annualized PISCC Amortization</b>														
11	2021 Cumulative PISCC		\$ 6,621,852												
12	Amortization % (2)		1.43%												
13	Annualized PISCC Amortization		\$ 94,598												To CMB-2, Line 22

**Notes:**

(1) The PISCC rate of 5.07% was approved in Case No. 18-0298-GA-AIR

(2) FERC Account 676 depreciation rate's average service life of 70 years, as approved in Case No. 18-0298-GA-AIR.

**VECTREN ENERGY DELIVERY OF OHIO, INC. D/B/A CENTERPOINT ENERGY OHIO**  
**DISTRIBUTION REPLACEMENT RIDER**  
**ANNUALIZED PROPERTY TAX EXPENSE - MAIN REPLACEMENTS**

Line	Description						Reference
		<u><b>2018</b></u>	<u><b>2019</b></u>	<u><b>2020</b></u>	<u><b>2021</b></u>	<u><b>Total</b></u>	
1	Mains Replacements - Book Value	\$ 32,898,125	\$ 28,954,262	\$ 34,963,687	\$ 30,875,274	\$ 127,691,348	Exhibit No. CMB-2, Line 3
2	Less: Capitalized Interest / AFUDC	\$ (56,425)	\$ (38,460)	\$ (88,729)	\$ (163,439)	\$ (347,054)	
3	Net Cost of Taxable Property	\$ 32,841,700	\$ 28,915,802	\$ 34,874,958	\$ 30,711,835	\$ 127,344,295	Line 1 + Line 2
4	% Good <sup>(1)</sup>	88.3%	91.7%	95.0%	98.3%		
5	Tax Value	\$ 28,999,221	\$ 26,515,790	\$ 33,131,210	\$ 30,189,734	\$ 118,835,955	<b>Line 3 x Line 4</b>
6	x Valuation Percentage (25%) <sup>(2)</sup>	25.0%	25.0%	25.0%	25.0%	25.0%	
7	Taxable Value/Assessment	\$ 7,249,805	\$ 6,628,948	\$ 8,282,803	\$ 7,547,433	\$ 29,708,989	Line 5 x Line 6
8	CEOH's Average 2021 Personal Property Tax Rate					9.800%	
9	<b>Annual Property Tax Expense - Main Replacements</b>					<b>\$ 2,911,481</b>	Line 7 x Line 8
10	Mains Retired - Property Tax Basis	\$ (665,386)	\$ (574,117)	\$ (932,533)	\$ (1,129,570)	\$ (3,301,607)	Exhibit No. CMB-2, Line 4
11	% Good <sup>(3)</sup>	15.0%	15.0%	15.0%	15.0%	15.0%	
12	Tax Value	\$ (99,808)	\$ (86,118)	\$ (139,880)	\$ (169,436)	\$ (495,241)	Line 10 x Line 11
13	x Valuation Percentage (25%) <sup>(2)</sup>	25.0%	25.0%	25.0%	25.0%	25.0%	
14	Taxable Value/Assessment	\$ (24,952)	\$ (21,529)	\$ (34,970)	\$ (42,359)	\$ (123,810)	Line 12 x Line 13
15	CEOH's Average 2021 Personal Property Tax Rate					9.800%	
16	<b>Annual Property Tax Reduction - Main Retirements</b>					<b>\$ (12,133)</b>	Line 14 x Line 15
17	<b>Annualized Property Tax Expense - Mains</b>					<b>\$ 2,899,347</b>	Line 9 + Line 16
						<b>(To Exhibit No. CMB-2, Line 20)</b>	

**Notes:**

- (1) Per Ohio Department of Taxation Annual Natural Gas Property Tax Report, Schedule C, Distribution Plant.  
(2) Per Ohio Department of Taxation Annual Natural Gas Property Tax Report, Schedule G.  
(3) Per Ohio Department of Taxation Annual Natural Gas Property Tax Report, Schedule C(2), Distribution Plant.

**VECTREN ENERGY DELIVERY OF OHIO, INC. D/B/A CENTERPOINT ENERGY OHIO  
DISTRIBUTION REPLACEMENT RIDER  
DEFERRED TAXES ON LIBERALIZED DEPRECIATION - MAINS**

Line	Description	2018	2019	2020	2021	Total	Reference
1	<b><u>Plant in Service at December 31, 2021:</u></b>						
2	Mains - Bare Steel/Cast Iron Replacements	\$ 32,898,125	\$ 28,954,262	\$ 34,963,687	\$ 30,875,274	\$ 127,691,348	Exhibit No. CMB-2, Line 3
3	Book to Tax Basis Adjustment - Capitalized Interest	\$ 46,734	\$ 21,197	\$ 55,086	\$ 10,817	\$ 133,834	
4	Book to Tax Basis Adjustment-Bonus Depreciation	-	-	-	-	-	[2]
5	Total Income Tax 20 year MACRS Depreciation Base	\$ 32,944,859	\$ 28,975,459	\$ 35,018,773	\$ 30,886,090	\$ 127,825,182	Sum of Lines 2-4
6	<b><u>Tax Depreciation:</u></b>						
7	MACRS Rate - 15 Year	30.750%	23.050%	14.500%	5.000%		
8	MACRS Rate - 20 Year	23.823%	17.646%	10.969%	3.750%		
9	MACRS Depreciation - 15 Year	\$ -	\$ -	\$ -	\$ -		[1]
10	MACRS Depreciation - 20 Year	7,848,454	5,113,010	3,841,209	1,158,228	\$ 17,960,901	[1]
11	Bonus Depreciation	-	-	-	-	\$ -	[2]
12	Cost of Removal Incurred	2,198,137	324,139	314,900	1,102,920	\$ 3,940,096	Exhibit No. CMB-2, Line 8
13	Total Tax Depreciation	\$ 10,046,591	\$ 5,437,149	\$ 4,156,109	\$ 2,261,148	\$ 21,900,996	Sum of Lines 9-12
14	<b><u>Book Depreciation:</u></b>						
15	Mains					\$ 5,782,939	-Exhibit No. CMB-2, Line 7
16	Tax Depreciation in Excess of Book Depreciation					\$ (16,118,057)	Line 15 - Line 13
17	Federal Deferred Taxes at 21%					21%	[2]
18	<b>Deferred Tax Balance at December 31, 2021 - Mains</b>					<b>\$ (3,384,792)</b>	Line 16 * Line 17
						(To Exhibit No. CMB-2, Line 14)	

**Notes:**

[1] Per Internal Revenue Code ("IRC") Sec 168(e)(3)(E)(viii), gas utility distribution facilities placed in service before January 1, 2011 have a MACRS life of 15 years. For utility distribution facilities placed in service after January 1, 2011, MACRS life is 20 years per IRC Rev. Proc. 87-56. Below is the formula for tax depreciation by year.

[2] On December 22, 2017, the United States government enacted comprehensive tax legislation commonly referred to as the Tax Cuts and Jobs Act ("TCJA" or "the Act"). Prior to the enactment of the TCJA, Internal Revenue Code rules and regulations permitted 50% bonus depreciation to be claimed. The Act repealed Bonus Depreciation for assets used in regulated utility operations and established the corporate tax rate to be 21%.

**Formula:**

Line 10 = Line 5 \* Line 8

**VECTREN ENERGY DELIVERY OF OHIO, INC. D/B/A CENTERPOINT ENERGY OHIO**  
**Distribution Replacement Rider (DRR)**  
**Mains - Deferred Depreciation Regulatory Asset Balance**  
**Twelve Months Ended December 31, 2021**

A													B		C
Line	Description	Deferred Depr at 12/31/2020	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Total Balance at Dec-21	
	Cumulative Balance														
1	Mains - Deferred Depreciation	\$ 1,831,417	\$ 1,940,194	\$ 1,987,220	\$ 2,081,050	\$ 2,129,406	\$ 2,182,743	\$ 2,296,486	\$ 2,328,228	\$ 2,355,793	\$ 2,469,164	\$ 2,500,675	\$ 2,547,566	\$ 2,690,367	
2	Mains - Deferred Depreciation Amortization	(9,695)	(10,846)	(11,997)	(13,148)	(14,298)	(15,449)	(16,600)	(17,751)	(18,902)	(21,082)	(23,263)	(25,443)	(27,623)	
3	Mains - Deferred Depreciation	\$ 1,821,722	\$ 1,929,348	\$ 1,975,223	\$ 2,067,903	\$ 2,115,108	\$ 2,167,294	\$ 2,279,885	\$ 2,310,477	\$ 2,336,891	\$ 2,448,082	\$ 2,477,413	\$ 2,522,124	\$ 2,662,744	
														To CMB-2, Line 12	
Line	Description		Activity for Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Total Balance by Calendar Year
4	Mains In-Service Activity	2021 Filing Exhibit No. BAF-2h Line 10	\$ 3,974,504	\$ 992,475	\$ 4,011,966	\$ 2,285,428	\$ 2,231,817	\$ 3,246,521	\$ 1,291,986	\$ 1,269,753	\$ 6,408,057	\$ 1,702,122	\$ 1,686,065	\$ 8,554,954	\$ 37,655,649
5	Less: Retirements	2021 Filing Exhibit No. BAF-2h Line 11	(56,159)	(13,902)	(175,968)	(62,512)	(82,899)	(100,106)	(17,862)	(33,295)	(317,228)	(16,645)	108,160	(220,274)	(988,692)
6	Net Main Additions	Line 4 + Line 5	\$ 3,918,345	\$ 978,573	\$ 3,835,998	\$ 2,222,916	\$ 2,148,918	\$ 3,146,415	\$ 1,274,124	\$ 1,236,458	\$ 6,090,829	\$ 1,685,477	\$ 1,794,224	\$ 8,334,680	\$ 36,666,957
7	Monthly Depreciation Rate	(1)	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	
8	# of Months from 1/1/2021 to Effective Date of DRR Rates, 9/1/2021		8	8	8	8	8	8	8	8	8	8	8	8	
9	Depreciation Expense Recognized - 1/1/2021 to 9/1/2021	Line 6 x Line 7 x Line 8	\$ 67,134	\$ 16,766	\$ 65,723	\$ 38,086	\$ 36,818	\$ 53,909	\$ 21,830	\$ 21,185	\$ 104,356	\$ 28,878	\$ 30,741	\$ 142,801	\$ 628,227
														\$ -	
Line	Description		Activity for Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Total Balance by Calendar Year
10	Mains In-Service Activity	Exhibit No. CMB-2a	\$ 1,807,414	\$ 1,453,739	\$ 1,568,666	\$ 573,590	\$ 1,098,221	\$ 5,076,636	\$ 925,697	\$ 774,808	\$ 1,380,817	\$ 623,597	\$ 7,853,456	\$ 7,738,633	\$ 30,875,274
11	Less: Retirements	Exhibit No. CMB-2b	(39,802)	(40,832)	(110,432)	25,808	3,650	(420,293)	-	(30,064)	22,249	(8,753)	(312,491)	(218,609)	(1,129,570)
12	Net Main Additions	Line 10 + Line 11	\$ 1,767,612	\$ 1,412,908	\$ 1,458,233	\$ 599,398	\$ 1,101,871	\$ 4,656,343	\$ 925,697	\$ 744,743	\$ 1,403,066	\$ 614,844	\$ 7,540,964	\$ 7,520,024	\$ 29,745,704
13	Monthly Depreciation Rate - Post Rate Case		0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	
14	# of Months from In-Service Date to Effective Date of DRR Rate, 9/1/2022		19	18	17	16	15	14	13	12	11	10	9	8	
15	Depreciation Expense Recognized - In-Service to 9/1/2022	Line 12 x Line 13 x Line 14	\$ 71,927	\$ 54,468	\$ 53,092	\$ 20,539	\$ 35,398	\$ 139,613	\$ 25,773	\$ 19,140	\$ 33,054	\$ 13,168	\$ 145,352	\$ 128,843	\$ 740,366
16	Deferred Depreciation Expense - Calendar Year 2021		\$ 41,642	\$ 30,260	\$ 28,107	\$ 10,270	\$ 16,519	\$ 59,834	\$ 9,913	\$ 6,380	\$ 9,015	\$ 2,634	\$ 16,150	\$ -	\$ 230,723
17	Deferred Depreciation Expense - Calendar Year 2022		\$ 30,285	\$ 24,208	\$ 24,984	\$ 10,270	\$ 18,879	\$ 79,779	\$ 15,860	\$ 12,760	\$ 24,039	\$ 10,534	\$ 129,202	\$ 128,843	\$ 509,643
18	Mains - Deferred Depreciation Amortization	(2)	\$ (1,151)	\$ (1,151)	\$ (1,151)	\$ (1,151)	\$ (1,151)	\$ (1,151)	\$ (1,151)	\$ (1,151)	\$ (2,180)	\$ (2,180)	\$ (2,180)	\$ (2,180)	\$ (17,928)
19	Net Mains 2021 activity Deferred Depreciation	Line 9 Column C + Line 16 Column C												\$ 2,690,367	
20	Average Service Life - Mains	(2)												1.43%	
21	Annual Amortization Expense	Line 19 x Line 20												\$ 38,434	
														To CMB-2, Line 23	

**Notes:**

- (1) FERC Account 676 depreciation rate approved in Case No. 18-0298-GA-AIR.  
(2) FERC Account 676 depreciation rate's average service life or 70 years, as approved in Case No. 18-0298-GA-AIR.

**VECTREN ENERGY DELIVERY OF OHIO, INC. D/B/A CENTERPOINT ENERGY OHIO**  
**DISTRIBUTION REPLACEMENT RIDER**  
**ANNUAL REVENUE REQUIREMENT - SERVICE LINES**

Line	Description	Amount	Reference
1	<b>Return on Investment:</b>		
2	<u>Plant In-Service at December 31, 2021</u>		
3	Additions - Services Replacements (Bare Steel/Cast Iron)	\$ 104,159,090	Exhibit CMB-3a, Column O, Line 2
4	Additions - Meter Installation (Bare Steel/Cast Iron)	22,147,019	Exhibit CMB-3a, Column O, Line 3
5	Additions - Services Replacements (Service Line Responsibility)	20,370,015	Exhibit CMB-3a, Column O, Line 4
6	Original Cost - Retired Services	(1,354,339)	Exhibit CMB-3b, Column P, Line 2
7	Original Cost - Retired Meter Installation	(117,706)	Exhibit CMB-3b, Column P, Line 3
8	Total Plant In-Service	<u>\$ 145,204,079</u>	Sum of Lines 3 - 7
9	<u>Less: Accumulated Depreciation at December 31, 2021</u>		
10	Depreciation Expense - Services	\$ (9,726,254)	Exhibit CMB-3c, Column O, Line 2
11	Depreciation Expense - Meter Installation	(1,249,864)	Exhibit CMB-3c, Column O, Line 3
12	Cost of Removal - Services	4,155,867	Exhibit CMB-3d, Column O, Line 2
13	Original Cost - Retired Services	1,354,339	-Line 6
14	Original Cost - Retired Meter Installation	117,706	-Line 7
15	Total Accumulated Depreciation	<u>\$ (5,348,206)</u>	Sum of Lines 10 - 14
16	Net Deferred Post In-Service Carrying Costs (PISCC) <sup>(3)</sup>	\$ 9,249,973	Exhibit CMB-3e, Column O, Line 9
17	Deferred Depreciation Regulatory Asset Balance - Services	\$ 6,217,139	Exhibit CMB-3h, Page 1, Column B, Line 3
18	Deferred Depreciation Regulatory Asset Balance - Meter Installation	\$ 590,747	Exhibit CMB-3h, Page 2, Column B, Line 3
19	Net Deferred Tax Balance - PISCC	\$ (1,942,494)	-Line 16 x 21%
20	Deferred Taxes on Depreciation	\$ (2,931,665)	Exhibit No. CMB-3g, Line 23
21	Deferred Taxes on Deferred Depreciation Regulatory Asset - Services	\$ (1,305,599)	-Line 17 x 21%
22	Deferred Taxes on Deferred Depreciation Regulatory Asset - Meter Installation	<u>\$ (124,057)</u>	-Line 18 x 21%
23	Net Rate Base	\$ 149,609,916	Sum of Lines 8 and 15-22
24	Pre-Tax Rate of Return	<u>8.81%</u>	(5)
25	<b>Annualized Return on Rate Base -Service Lines</b>	<u><b>\$ 13,180,634</b></u>	Line 23 x Line 24
26	<b>Operations and Maintenance Expenses</b>		
27	Annualized Property Tax Expense	\$ 3,338,838	Exhibit No. CMB-3f, Line 17
28	Annualized Depreciation Expense - Services	\$ 4,742,228	(Line 3+ Line 5+ Line 6) x 3.85% <sup>(1)</sup>
29	Annualized Depreciation Expense - Meter Installation	\$ 660,879	(Line 4 + Line 7) x 3.00% <sup>(1)</sup>
30	Annualized PISCC Amortization Expense	\$ 151,463	Exhibit No. CMB-3e, Column D, Line 29
31	Annualized Deferred Depreciation Amortization Expense - Services	\$ 97,398	Exhibit CMB-3h, Page 1, Column C, Line 23
32	Annualized Deferred Depreciation Amortization Expense - Meter Installation	\$ 12,025	Exhibit CMB-3h, Page 2, Column C, Line 21
33	Incremental O&M - Service Line Responsibility	\$ (130,241)	(2)
34	Annualized Maintenance Adjustment	<u>\$ (593,372)</u>	(4)
35	<b>Total Incremental Operating Expenses - Service Lines</b>	<u><b>\$ 8,279,219</b></u>	Sum of Lines 27-34
36	<b>Total Revenue Requirement - Service Lines</b>	<u><b>\$ 21,459,852</b></u> <b>(To Exhibit No. CMB-1)</b>	Line 25 + Line 35

- (1) FERC Account 680 (Line 28) and FERC Account 682 (Line 29) depreciation rates as approved in Case No. 18-0298-GA-AIR.  
(2) Support provided by CEOH Witness Steven A. Hoover, Exhibit No. SAH-8, Column C, Line 16.  
(3) PISCC is accrued at an annual rate of 5.07% from the in-service date until investments are reflected in the DRR rate as approved in Case No. 18-0298-GA-AIR.  
(4) Support provided by CEOH Witness Steven A. Hoover, Exhibit No. SAH-7, Column C, Line 5.  
Allocation of Exhibit No. SAH-7 between Mains and Services based upon cumulative gross investment.  
(5) Rate of Return as approved in Case No. 18-0298-GA-AIR.

VECTREN ENERGY DELIVERY OF OHIO, INC. D/B/A CENTERPOINT ENERGY OHIO  
Distribution Replacement Rider (DRR)  
Service Lines - Plant Additions  
Twelve Months Ended December 31, 2021

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	
Line No.	Description	Reference	Balance at 12/31/2020	1/31/2021	2/28/2021	3/31/2021	4/30/2021	5/31/2021	6/30/2021	7/31/2021	8/31/2021	9/30/2021	10/31/2021	11/30/2021	Balance at 12/31/2021	
1	Cumulative Balance															
2	Services		\$ 76,656,166.84	\$ 78,358,527	\$ 79,976,589	\$ 82,034,296	\$ 82,437,628	\$ 82,106,868	\$ 89,390,009	\$ 90,526,823	\$ 91,297,054	\$ 92,299,159	\$ 92,916,283	\$ 97,609,424	\$ 104,159,090	To CMB-3, Line 3
3	Meter Installation		\$ 17,188,271.81	\$ 17,539,929	\$ 17,888,144	\$ 18,242,997	\$ 18,337,610	\$ 18,223,921	\$ 19,418,985	\$ 19,625,470	\$ 19,776,788	\$ 19,885,680	\$ 20,088,307	\$ 20,653,285	\$ 22,147,019	To CMB-3, Line 4
4	Service Line Responsibility		\$ 17,196,572.04	\$ 17,577,798	\$ 18,010,409	\$ 18,516,610	\$ 18,731,222	\$ 19,153,021	\$ 19,696,037	\$ 19,967,465	\$ 19,953,514	\$ 20,096,212	\$ 20,181,767	\$ 20,285,037	\$ 20,370,015	To CMB-3, Line 5
5	Total Service Line Additions	Sum of Lines 2-4	\$ 111,041,011	\$ 113,476,254	\$ 115,875,141	\$ 118,793,903	\$ 119,506,460	\$ 119,483,810	\$ 128,505,030	\$ 130,119,759	\$ 131,027,356	\$ 132,281,051	\$ 133,186,357	\$ 138,547,746	\$ 146,676,124	
6	Current Year Activity			1/31/2021	2/28/2021	3/31/2021	4/30/2021	5/31/2021	6/30/2021	7/31/2021	8/31/2021	9/30/2021	10/31/2021	11/30/2021	12/31/2021	Activity for Twelve Months Ended 12/31/2021
7	Services		\$	1,702,360	\$ 1,618,062	\$ 2,057,707	\$ 403,332	\$ (330,760)	\$ 7,283,141	\$ 1,136,815	\$ 770,231	\$ 1,002,105	\$ 617,123	\$ 4,693,142	\$ 6,549,666	\$ 27,502,923
8	Meter Installation (1)		\$	351,657	\$ 348,215	\$ 354,853	\$ 94,613	\$ (113,690)	\$ 1,195,064	\$ 206,485	\$ 151,318	\$ 108,892	\$ 202,627	\$ 564,978	\$ 1,493,734	\$ 4,958,747
9	Service Line Responsibility		\$	381,226	\$ 432,611	\$ 506,201	\$ 214,613	\$ 421,799	\$ 543,016	\$ 271,428	\$ (13,952)	\$ 142,698	\$ 85,556	\$ 103,270	\$ 84,978	\$ 3,173,443
10	Total Service Line Additions	Sum of Lines 7-9	\$	2,435,244	\$ 2,398,887	\$ 2,918,761	\$ 712,558	\$ (22,651)	\$ 9,021,221	\$ 1,614,729	\$ 907,597	\$ 1,253,695	\$ 905,306	\$ 5,361,389	\$ 8,128,378	\$ 35,635,113

(1) Also includes Meter Installation from Service Line Responsibility.

VECTREN ENERGY DELIVERY OF OHIO, INC. D/B/A CENTERPOINT ENERGY OHIO  
Distribution Replacement Rider (DRR)  
Service Lines - Retirements  
Twelve Months Ended December 31, 2021

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
Line No.	Description	Retirements at 12/31/2020	1/31/2021	2/28/2021	3/31/2021	4/30/2021	5/31/2021	6/30/2021	7/31/2021	8/31/2021	9/30/2021	10/31/2021	11/30/2021	12/31/2021	Total Retirements for Work Orders Placed in Service by 12/31/2021
1	<u>Cumulative Balance</u>														
2	Services	\$ (1,120,192)	\$ (1,136,848)	\$ (1,199,504)	\$ (1,210,592)	\$ (1,211,642)	\$ (1,222,786)	\$ (1,283,845)	\$ (1,283,845)	\$ (1,352,948)	\$ (1,356,710)	\$ (1,363,762)	\$ (1,290,944)	\$ (1,354,339)	\$ (1,354,339) To CMB-3, Line 6
3	Meter Installations	\$ (48,288)	\$ (48,343)	\$ (48,731)	\$ (50,091)	\$ (50,497)	\$ (50,533)	\$ (55,909)	\$ (55,909)	\$ (56,481)	\$ (57,102)	\$ (57,152)	\$ (105,556)	\$ (117,706)	\$ (117,706) To CMB-3, Line 7
4	<u>Current Year Activity</u>		<u>1/31/2021</u>	<u>2/28/2021</u>	<u>3/31/2021</u>	<u>4/30/2021</u>	<u>5/31/2021</u>	<u>6/30/2021</u>	<u>7/31/2021</u>	<u>8/31/2021</u>	<u>9/30/2021</u>	<u>10/31/2021</u>	<u>11/30/2021</u>	<u>12/31/2021</u>	Retirements for Work Orders Placed In Service in 2021
5	Services	\$	(16,657)	\$ (62,656)	\$ (11,088)	\$ (1,050)	\$ (11,144)	\$ (61,059)	\$ -	\$ (69,104)	\$ (3,762)	\$ (7,052)	\$ 72,818	\$ (63,395)	\$ (234,148)
6	Meter Installations	\$	(55)	\$ (389)	\$ (1,360)	\$ (406)	\$ (36)	\$ (5,376)	\$ -	\$ (572)	\$ (621)	\$ (50)	\$ (48,404)	\$ (12,150)	\$ (69,418)

VECTREN ENERGY DELIVERY OF OHIO, INC. D/B/A CENTERPOINT ENERGY OHIO  
Distribution Replacement Rider (DRR)  
Service Lines - Depreciation  
Twelve Months Ended December 31, 2021

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
Line No.	Description	Accumulated Depreciation at 12/31/2020	1/31/2021	2/28/2021	3/31/2021	4/30/2021	5/31/2021	6/30/2021	7/31/2021	8/31/2021	9/30/2021	10/31/2021	11/30/2021	12/31/2021	
1	<u>Cumulative Balance</u>														
2	Services <sup>(2)</sup>	\$ (5,667,795)	\$ (5,968,905)	\$ (6,276,701)	\$ (6,591,076)	\$ (6,913,677)	\$ (7,238,260)	\$ (7,563,136)	\$ (7,913,120)	\$ (8,267,623)	\$ (8,624,552)	\$ (8,985,153)	\$ (9,348,010)	\$ (9,726,254)	To CMB-3, Line 10
3	Meter Installation	\$ (682,690)	\$ (725,661)	\$ (769,511)	\$ (814,231)	\$ (859,838)	\$ (905,682)	\$ (951,242)	\$ (999,790)	\$ (1,048,853)	\$ (1,098,295)	\$ (1,148,010)	\$ (1,198,230)	\$ (1,249,864)	To CMB-3, Line 11
4	<u>Current Year Activity</u>	<u>Depreciation Rate</u>	<u>1/31/2021</u>	<u>2/28/2021</u>	<u>3/31/2021</u>	<u>4/30/2021</u>	<u>5/31/2021</u>	<u>6/30/2021</u>	<u>7/31/2021</u>	<u>8/31/2021</u>	<u>9/30/2021</u>	<u>10/31/2021</u>	<u>11/30/2021</u>	<u>12/31/2021</u>	<u>Depreciation Expense</u>
5	BS/CI Service Lines	3.850%	\$ (245,939)	\$ (251,400)	\$ (256,592)	\$ (263,193)	\$ (264,487)	\$ (263,426)	\$ (286,793)	\$ (290,440)	\$ (292,911)	\$ (296,126)	\$ (298,106)	\$ (313,164)	\$ (3,322,578)
6	Incremental Service Line Responsibility	3.850%	\$ (55,172)	\$ (56,395)	\$ (57,783)	\$ (59,407)	\$ (60,096)	\$ (61,449)	\$ (63,191)	\$ (64,062)	\$ (64,018)	\$ (64,475)	\$ (64,750)	\$ (65,081)	\$ (735,882)
7	Services <sup>(1)(2)</sup>	Line 5 + Line 6	\$ (301,111)	\$ (307,796)	\$ (314,375)	\$ (322,601)	\$ (324,583)	\$ (324,875)	\$ (349,984)	\$ (354,503)	\$ (356,929)	\$ (360,602)	\$ (362,856)	\$ (378,245)	\$ (4,058,460)
8	Meter Installation <sup>(2)(3)(4)</sup>	3.000%	\$ (42,971)	\$ (43,850)	\$ (44,720)	\$ (45,607)	\$ (45,844)	\$ (45,560)	\$ (48,547)	\$ (49,064)	\$ (49,442)	\$ (49,714)	\$ (50,221)	\$ (51,633)	\$ (567,173)

**Notes:**

(1) FERC Account 680 depreciation rate of 3.85% as approved in Case No. 18-0298-GA-AIR.

Depreciation on in-service activity in the current month receives no depreciation, and the cumulative balance from the prior month receives a full month of depreciation.

(2) Monthly depreciation activity represents the depreciation rate divided by 12 months.

(3) FERC Account 682 depreciation rate of 3.00% as approved in Case No. 18-0298-GA-AIR.

Depreciation on in-service activity in the current month receives no depreciation, and the cumulative balance from the prior month receives a full month of depreciation.

(4) This line includes depreciation activity for utility plant additions for BS/CI service replacements and service line responsibility.



VECTREN ENERGY DELIVERY OF OHIO, INC. D/B/A CENTERPOINT ENERGY OHIO  
Distribution Replacement Rider (DRR)  
Service Lines - Cost of Removal  
Twelve Months Ended December 31, 2021

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
Line		Cost of													
No.	Description	Removal at												Balance at	
		<u>12/31/2020</u>	<u>1/31/2021</u>	<u>2/28/2021</u>	<u>3/31/2021</u>	<u>4/30/2021</u>	<u>5/31/2021</u>	<u>6/30/2021</u>	<u>7/31/2021</u>	<u>8/31/2021</u>	<u>9/30/2021</u>	<u>10/31/2021</u>	<u>11/30/2021</u>	<u>12/31/2021</u>	
1	<u>Cumulative Balance</u>														
2	Services	\$ 3,514,719	\$ 3,648,250	\$ 3,735,436	\$ 3,828,947	\$ 3,895,543	\$ 3,883,095	\$ 3,982,596	\$ 4,023,889	\$ 4,117,665	\$ 4,180,787	\$ 4,251,606	\$ 4,116,206	\$ 4,155,867	To CMB-3, Line 12
3	<u>Current Year Activity</u>		<u>1/31/2021</u>	<u>2/28/2021</u>	<u>3/31/2021</u>	<u>4/30/2021</u>	<u>5/31/2021</u>	<u>6/30/2021</u>	<u>7/31/2021</u>	<u>8/31/2021</u>	<u>9/30/2021</u>	<u>10/31/2021</u>	<u>11/30/2021</u>	<u>12/31/2021</u>	Activity for Twelve Months Ended <u>12/31/2021</u>
4	Services		\$ 133,531	\$ 87,187	\$ 93,511	\$ 66,596	\$ (12,448)	\$ 99,501	\$ 41,294	\$ 93,775	\$ 63,123	\$ 70,818	\$ (135,400)	\$ 39,661	\$ 641,148

**VECTREN ENERGY DELIVERY OF OHIO, INC. D/B/A CENTERPOINT ENERGY OHIO**  
**Distribution Replacement Rider (DRR)**  
**Service Lines - Post In Service Carrying Costs (PISCC)**  
**Twelve Months Ended December 31, 2021**

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
Line No.	Description	PISCC at 12/31/2020	1/31/2021	2/28/2021	3/31/2021	4/30/2021	5/31/2021	6/30/2021	7/31/2021	8/31/2021	9/30/2021	10/31/2021	11/30/2021	Balance at 12/31/2021	
1	<b>Cumulative Balance</b>														
2	Service Lines-PISCC	\$ 4,819,151	\$ 4,938,571	\$ 5,065,182	\$ 5,198,630	\$ 5,340,772	\$ 5,484,617	\$ 5,627,066	\$ 5,800,285	\$ 5,978,308	\$ 6,040,166	\$ 6,106,257	\$ 6,174,956	\$ 6,263,484	
3	Meter Installation-PISCC (3)	1,124,462	1,146,742	1,170,508	1,195,745	1,222,481	1,249,617	1,276,272	1,307,977	1,340,554	1,351,490	1,362,887	1,375,140	1,389,780	
4	Service Line Responsibility-PISCC	1,539,254	1,556,556	1,575,469	1,596,210	1,619,090	1,642,876	1,668,444	1,696,306	1,725,315	1,736,964	1,749,215	1,761,827	1,774,876	
5	Gross Deferred PISCC - Services	\$ 7,482,868	\$ 7,641,869	\$ 7,811,159	\$ 7,990,585	\$ 8,182,342	\$ 8,377,110	\$ 8,571,782	\$ 8,804,568	\$ 9,044,177	\$ 9,128,620	\$ 9,218,359	\$ 9,311,923	\$ 9,428,140	
6	Service Lines-PISCC Amortization	\$ (65,924)	\$ (71,742)	\$ (77,560)	\$ (83,378)	\$ (89,195)	\$ (95,013)	\$ (100,831)	\$ (106,648)	\$ (112,466)	\$ (120,618)	\$ (128,770)	\$ (136,921)	\$ (145,073)	
7	Meter Installation-PISCC Amortization	(14,759)	(16,114)	(17,469)	(18,823)	(20,178)	(21,533)	(22,888)	(24,243)	(25,597)	(27,471)	(29,346)	(31,220)	(33,094)	
8	Accumulated PISCC Amortization - Services	\$ (80,684)	\$ (87,856)	\$ (95,029)	\$ (102,201)	\$ (109,373)	\$ (116,546)	\$ (123,718)	\$ (130,891)	\$ (138,063)	\$ (148,089)	\$ (158,115)	\$ (168,141)	\$ (178,167)	
9	Net Deferred PISCC - Services	\$ 7,402,184	\$ 7,554,013	\$ 7,716,130	\$ 7,888,384	\$ 8,072,969	\$ 8,260,564	\$ 8,448,063	\$ 8,673,678	\$ 8,906,114	\$ 8,980,530	\$ 9,060,244	\$ 9,143,782	\$ 9,249,973	To CMB-3, Line 16
10	<b>Current Year Activity</b>	<b>PISCC Rate (1)</b>	<b>1/31/2021</b>	<b>2/28/2021</b>	<b>3/31/2021</b>	<b>4/30/2021</b>	<b>5/31/2021</b>	<b>6/30/2021</b>	<b>7/31/2021</b>	<b>8/31/2021</b>	<b>9/30/2021</b>	<b>10/31/2021</b>	<b>11/30/2021</b>	<b>12/31/2021</b>	<b>Activity for Twelve Months Ended 12/31/2021</b>
11	2020 Service Lines - Deferred PISCC	5.070%	\$ 119,419	\$ 119,419	\$ 119,419	\$ 119,419	\$ 119,419	\$ 119,419	\$ 119,419	\$ 119,419	\$ -	\$ -	\$ -	\$ -	\$ 955,353
12	2021 Service Lines - Deferred PISCC	5.070%	\$ -	\$ 7,192	\$ 14,029	\$ 22,723	\$ 24,427	\$ 23,029	\$ 53,800	\$ 58,604	\$ 61,858	\$ 66,092	\$ 68,699	\$ 88,528	\$ 488,980
13	Total 2021 Services Deferred PISCC		\$ 119,419	\$ 126,612	\$ 133,448	\$ 142,142	\$ 143,846	\$ 142,448	\$ 173,220	\$ 178,023	\$ 61,858	\$ 66,092	\$ 68,699	\$ 88,528	\$ 1,444,332
14	2020 Meter Installation - Deferred PISCC	5.070%	\$ 22,280	\$ 22,280	\$ 22,280	\$ 22,280	\$ 22,280	\$ 22,280	\$ 22,280	\$ 22,280	\$ -	\$ -	\$ -	\$ -	\$ 178,239
15	2021 Meter Installation - Deferred PISCC	5.070%	\$ -	\$ 1,486	\$ 2,957	\$ 4,456	\$ 4,856	\$ 4,376	\$ 9,425	\$ 10,297	\$ 10,936	\$ 11,397	\$ 12,253	\$ 14,640	\$ 87,077
16	Total 2021 Meter Installation Deferred PISCC		\$ 22,280	\$ 23,766	\$ 25,237	\$ 26,736	\$ 27,136	\$ 26,656	\$ 31,705	\$ 32,577	\$ 10,936	\$ 11,397	\$ 12,253	\$ 14,640	\$ 265,316
17	2020 Service Line Responsibility - Deferred PISCC	5.070%	\$ 17,302	\$ 17,302	\$ 17,302	\$ 17,302	\$ 17,302	\$ 17,302	\$ 17,302	\$ 17,302	\$ -	\$ -	\$ -	\$ -	\$ 138,417
18	2021 Service Line Responsibility - Deferred PISCC	5.070%	\$ -	\$ 1,611	\$ 3,438	\$ 5,577	\$ 6,484	\$ 8,266	\$ 10,560	\$ 11,707	\$ 11,648	\$ 12,251	\$ 12,612	\$ 13,049	\$ 97,204
19	Total 2021 Service Line Responsibility Deferred PISCC		\$ 17,302	\$ 18,913	\$ 20,741	\$ 22,879	\$ 23,786	\$ 25,568	\$ 27,862	\$ 29,009	\$ 11,648	\$ 12,251	\$ 12,612	\$ 13,049	\$ 235,621
20	Services-PISCC Amortization (2)	1.538%	\$ (5,818)	\$ (5,818)	\$ (5,818)	\$ (5,818)	\$ (5,818)	\$ (5,818)	\$ (5,818)	\$ (5,818)	\$ (8,152)	\$ (8,152)	\$ (8,152)	\$ (8,152)	\$ (79,149)
21	Meter Installation-PISCC Amortization (3)	2.000%	\$ (1,355)	\$ (1,355)	\$ (1,355)	\$ (1,355)	\$ (1,355)	\$ (1,355)	\$ (1,355)	\$ (1,355)	\$ (1,874)	\$ (1,874)	\$ (1,874)	\$ (1,874)	\$ (18,335)
22	<b>Annualized PISCC Amortization</b>														
23	Net Deferred Service Lines PISCC at 12/31/2021		\$ 8,038,360	Column O, Line 2 + Line 4											
24	Amortization % <sup>(2)</sup>		1.54%												
25	Annualized Service Lines PISCC Amortization		\$ 123,667												
26	Net Deferred Meter Installation PISCC at 12/31/2021		\$ 1,389,780	Column O, Line 3											
27	Amortization % <sup>(3)</sup>		2.00%												
28	Annualized Meter Installation PISCC Amortization		\$ 27,796												
29	<b>Total Annualized Services PISCC Amortization</b>		\$ 151,463	Line 25 + Line 28											
				To CMB-3, Line 30											

**Notes:**

(1) The PISCC rate of 5.07% was approved in Case No. 18-0298-GA-AIR

(2) FERC Account 680 depreciation rate's average service life or 65 years, as approved in Case No. 18-0298-GA-AIR.

(3) FERC Account 682 depreciation rate's average service life or 50 years, as approved in Case No. 18-0298-GA-AIR.

**VECTREN ENERGY DELIVERY OF OHIO, INC. D/B/A CENTERPOINT ENERGY OHIO**  
**DISTRIBUTION REPLACEMENT RIDER**  
**ANNUALIZED PROPERTY TAX EXPENSE - SERVICE LINES**

Line	Description						Reference
		<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>Total</b>	
1	Service and Meter Installation Replacements - Book Value	\$ 37,955,937	\$ 35,451,658	\$ 37,633,416	\$ 35,635,113	\$ 146,676,124	Exhibit No. CMB-3, Sum of Lines 3-
2	Less: AFUDC	(46,238)	(39,849)	(72,402)	(162,002)	(320,491)	
3	Net Cost of Taxable Property	\$ 37,909,699	\$ 35,411,809	\$ 37,561,014	\$ 35,473,111	\$ 146,355,633	Line 1 + Line 2
4	% Good <sup>(1)</sup>	88.3%	91.7%	95.0%	98.3%		
5	Tax Value	\$ 33,474,264	\$ 32,472,629	\$ 35,682,963	\$ 34,870,068	\$ 136,499,924	Line 3 x Line 4
6	x Valuation Percentage (25%) <sup>(2)</sup>	25.0%	25.0%	25.0%	25.0%	25.0%	
7	Taxable Value / Assessment	\$ 8,368,566	\$ 8,118,157	\$ 8,920,741	\$ 8,717,517	\$ 34,124,981	Line 5 x Line 6
8	CEOH's Average 2021 Personal Property Tax Rate					9.80%	
9	<b>Annual Property Tax Expense - Service Line Replacements</b>					<b>\$ 3,344,248</b>	Line 7 x Line 8
10	Services and Meter Installation Retired - Property Tax Basis	\$ (438,028)	\$ (277,104)	\$ (453,347)	\$ (303,566)	\$ (1,472,045)	Exhibit No. CMB-3, Sum of Lines 6-
11	% Good <sup>(3)</sup>	15.0%	15.0%	15.0%	15.0%	15.0%	
12	Tax Value	\$ (65,704)	\$ (41,566)	\$ (68,002)	\$ (45,535)	\$ (220,807)	Line 10 x Line 11
13	x Valuation Percentage (25%) <sup>(3)</sup>	25.0%	25.0%	25.0%	25.0%	25.0%	
14	Taxable Value / Assessment	\$ (16,426)	\$ (10,391)	\$ (17,000)	\$ (11,384)	\$ (55,202)	Line 12 x Line 13
15	CEOH's Average 2021 Personal Property Tax Rate					9.800%	
16	<b>Annual Property Tax Reduction - Service Line Retirements</b>					<b>\$ (5,410)</b>	Line 14 x Line 15
17	<b>Annualized Property Tax Expense - Service Lines</b>					<b>\$ 3,338,838</b>	Line 9 + Line 16
						<b>(To Exhibit No. CMB-3, Line 27)</b>	

**Notes:**

- (1) Per Ohio Department of Taxation Annual Natural Gas Property Tax Report, Schedule C, Distribution Plant.  
(2) Per Ohio Department of Taxation Annual Natural Gas Property Tax Report, Schedule G.  
(3) Per Ohio Department of Taxation Annual Natural Gas Property Tax Report, Schedule C(2), Distribution Plant.

**VECTREN ENERGY DELIVERY OF OHIO, INC. D/B/A CENTERPOINT ENERGY OHIO**  
**DISTRIBUTION REPLACEMENT RIDER**  
**DEFERRED TAXES ON LIBERALIZED DEPRECIATION - SERVICE LINES**

Line	Description	2018	2019	2020	2021	Total	2021 Reference <sup>[1]</sup>
1	<b>Plant in Service at December 31, 2021</b>						
2	Service Additions - Bare Steel/Cast Iron Replacements	\$ 23,287,924	\$ 25,103,366	\$ 28,264,877	\$ 27,502,923	\$ 104,159,090	Exhibit No. CMB-3a, Column P, Line 7
3	Meter Installation Additions - Bare Steel/Cast Iron Replacements	\$ 6,698,504	\$ 5,216,419	\$ 5,273,349	\$ 4,958,747	22,147,019	Exhibit No. CMB-3a, Column P, Line 8
4	Service Additions - Service Line Ownership	\$ 7,969,509	\$ 5,131,874	\$ 4,095,190	\$ 3,173,443	20,370,015	Exhibit No. CMB-3a, Column P, Line 9
5	Total Plant In Service - Eligible for 50% Bonus Depreciation	\$ 37,955,937	\$ 35,451,658	\$ 37,633,416	\$ 35,635,113	\$ 146,676,124	Exhibit No. CMB-3a, Column P, Line 10
6	Book to Tax Basis Adjustment - Capitalized Interest	\$ 37,411	\$ 22,205	\$ 43,721	\$ 15,092	\$ 118,429	
7	Book to Tax Basis Adjustment - Bonus Depreciation	-	-	-	-	-	[3]
8	Total Income Tax MACRS Depreciation Base	\$ 37,993,348	\$ 35,473,863	\$ 37,677,137	\$ 35,650,205	\$ 146,794,553	Sum of Lines 5 - 7
9	<b>Tax Depreciation:</b>						
10	MACRS - 15 Year Rate	30.750%	23.050%	14.500%	5.000%		[2]
11	MACRS - 20 Year Rate	23.823%	17.646%	10.969%	3.750%		[2]
12	MACRS - 15 Year	\$ -	\$ -	\$ -	\$ -	\$ -	[2]
13	MACRS - 20 Year	9,051,155	6,259,718	4,132,805	1,336,883	20,780,561	[2]
14	Bonus Depreciation	-	-	-	-	-	[3]
15	Cost of Removal Incurred	1,179,173	904,172	1,431,374	641,148	4,155,867	Exhibit No. CMB-3, Line 12
16	Total Tax Depreciation	\$ 10,230,328	\$ 7,163,890	\$ 5,564,179	\$ 1,978,031	\$ 24,936,428	Sum of Lines 12 - 15
17	<b>Book Depreciation:</b>						
18	Services					\$ 9,726,254	-Exhibit No. CMB-3, Line 10
19	Meter Installation					1,249,864	-Exhibit No. CMB-3, Line 11
20	Total Book Depreciation					\$ 10,976,118	Sum of Lines 18 - 19
21	Tax Depreciation in Excess of Book Depreciation					\$ (13,960,310)	Line 20 - Line 16
22	Federal Deferred Taxes at 21%					21%	
23	<b>Deferred Tax Balance at December 31, 2020 - Service Lines</b>					<b>\$ (2,931,665)</b>	Line 21 * Line 22
						<b>(To Exhibit No. CMB-3, Line 20)</b>	

**Notes:**

(1) Reference column is applicable to column 2021 under the Plant In Service Year section to the left.

(2) Per Internal Revenue Code ("IRC") Sec 168(e)(3)(E)(viii), gas utility distribution facilities placed in service before January 1, 2011 have a MACRS life of 15 years. For utility distribution facilities placed in service after January 1, 2011, MACRS life is 20 years per IRC Rev. Proc. 87-56. Below is the formula for tax depreciation applicable.

[3] On December 22, 2017, the United States government enacted comprehensive tax legislation commonly referred to as the Tax Cuts and Jobs Act ("TCJA" or "the Act"). Prior to the enactment of the TCJA, Internal Revenue Code rules and regulations permitted 50% bonus depreciation to be claimed. The Act repealed Bonus Depreciation for assets used in regulated utility operations.

**Formula:**

Line 13 = Line 8 \* Line 11

**VECTREN ENERGY DELIVERY OF OHIO, INC. D/B/A CENTERPOINT ENERGY OHIO**  
**Distribution Replacement Rider (DRR)**  
**Services, Service Line Responsibility, Risers - Deferred Depreciation Regulatory Asset Balance**  
**Twelve Months Ended December 31, 2021**

A														B		C													
Deferred Depreciation at														Total Balance at															
Line	Description	12/31/2020	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21															
Cumulative Balance																													
1	Services - Deferred Depreciation	\$	5,043,520	\$	5,192,415	\$	5,291,246	\$	5,487,501	\$	5,549,332	\$	5,611,646	\$	5,832,266	\$	5,891,227	\$	5,936,642	\$	6,088,912	\$	6,133,583	\$	6,174,180	\$	6,330,897		
2	Services - Deferred Depreciation Amortization	\$	(50,017)	(54,751)	(59,486)	(64,221)	(68,955)	(73,690)	(78,425)	(83,159)	(87,894)	(94,360)	(100,826)	(107,292)	(113,758)														
3	Services - Deferred Depreciation	\$	4,993,503	\$	5,137,663	\$	5,231,760	\$	5,423,281	\$	5,480,377	\$	5,537,956	\$	5,753,841	\$	5,808,068	\$	5,848,748	\$	5,994,552	\$	6,032,757	\$	6,066,888	\$	6,217,139		To CMB-3, Line 17
Line	Description		Activity for												Total Balance by														
			Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20		Calendar Year													
4	Services In-Service Activity	2021 Filing Exhibit No. BAF-3a	\$	2,479,940	\$	1,026,651	\$	4,500,367	\$	1,604,382	\$	2,175,397	\$	2,579,344	\$	1,012,994	\$	1,152,044	\$	5,110,949	\$	1,192,192	\$	539,071	\$	5,997,318	\$	29,370,649	
5	Service Line Responsibility In-Service Activity	2021 Filing Exhibit No. BAF-3a		493,498		347,261		376,398		249,443		198,092		219,795		409,167		389,097		444,322		379,941		375,255		212,920	\$	4,095,190	
6	Less: Retirements - Services	2021 Filing Exhibit No. BAF-3b		(14,378)		(8,352)		(102,379)		(61,736)		(15,576)		(27,387)		(5,118)		(115,323)		(50,561)		(5,594)		58,722		(104,391)	\$	(452,074)	
7	Net Services Additions	Line 4 + Line 5 + Line 6	\$	2,959,060	\$	1,365,560	\$	4,774,386	\$	1,792,089	\$	2,357,913	\$	2,771,751	\$	1,417,044	\$	1,425,819	\$	5,504,710	\$	1,566,539	\$	973,047	\$	6,105,847	\$	33,013,765	
8	Monthly Depreciation Rate	(1)		0.32%		0.32%		0.32%		0.32%		0.32%		0.32%		0.32%		0.32%		0.32%		0.32%		0.32%		0.32%			
9	# of Months from 1/1/2021 to Effective Date of DRR Rates, 9/1/2021			8		8		8		8		8		8		8		8		8		8		8		8			
10	Depreciation Expense Recognized - 1/1/2021 to 9/1/2021	Line 7 x Line 8 x Line 9	\$	75,949	\$	35,049	\$	122,543	\$	45,997	\$	60,520	\$	71,142	\$	36,371	\$	36,596	\$	141,288	\$	40,208	\$	24,975	\$	156,717	\$	847,353	
Line	Description		Activity for												Total Balance by														
			Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21		Calendar Year													
11	Services In-Service Activity	Exhibit No. CMB-3a	\$	1,702,360	\$	1,618,062	\$	2,057,707	\$	403,332	\$	(330,760)	\$	7,283,141	\$	1,136,815	\$	770,231	\$	1,002,105	\$	617,123	\$	4,693,142	\$	6,549,666	\$	27,502,923	
12	Service Line Responsibility In-Service Activity	Exhibit No. CMB-3a		381,226		432,611		506,201		214,613		421,799		543,016		271,428		(13,952)		142,698		85,556		103,270		84,978	\$	3,173,443	
13	Less: Retirements - Services	Exhibit No. CMB-3b		(16,657)		(62,656)		(11,088)		(1,050)		(11,144)		(61,059)		-		(69,104)		(3,762)		(7,052)		72,818		(63,395)	\$	(234,148)	
14	Net Services Additions	Line 11 + Line 12 + Line 13	\$	2,066,930	\$	1,988,016	\$	2,552,820	\$	616,895	\$	79,895	\$	7,765,098	\$	1,408,243	\$	687,176	\$	1,141,041	\$	695,627	\$	4,869,229	\$	6,571,249	\$	30,442,218	
15	Monthly Depreciation Rate-Per case # 18-0298-GA-AIR (effective 9/1/19)	(1)		0.32%		0.32%		0.32%		0.32%		0.32%		0.32%		0.32%		0.32%		0.32%		0.32%		0.32%		0.32%			
16	# months In-Service at .32% depreciation rate to Effective Date of DRR Rates, 9/1/2022			19		18		17		16		15		14		13		12		11		10		9		8			
17	Depreciation Expense Recognized - In-Service to 9/1/2022	(Line 14 x Line 15 x Line 16)	\$	125,997	\$	114,808	\$	139,235	\$	31,667	\$	3,845	\$	348,782	\$	58,735	\$	26,456	\$	40,269	\$	22,318	\$	140,599	\$	168,662	\$	1,221,374	
18	Deferred Depreciation Expense - Calendar Year 2021		\$	72,945	\$	63,782	\$	73,713	\$	15,834	\$	1,794	\$	149,478	\$	22,591	\$	8,819	\$	10,983	\$	4,464	\$	15,622	\$	-	\$	440,024	
19	Deferred Depreciation Expense - Calendar Year 2022		\$	53,051	\$	51,026	\$	65,522	\$	15,834	\$	2,051	\$	199,304	\$	36,145	\$	17,638	\$	29,287	\$	17,854	\$	124,977	\$	168,662	\$	781,350	
20	Services - Deferred Depreciation Amortization	(2)	\$	(4,735)	\$	(4,735)	\$	(4,735)	\$	(4,735)	\$	(4,735)	\$	(4,735)	\$	(4,735)	\$	(4,735)	\$	(4,735)	\$	(4,666)	\$	(4,666)	\$	(4,666)	\$	(63,742)	
21	Net Services Deferred Depreciation at 12/31/2021	Line 1, Column B																									\$	6,330,897	
22	Average Service Life - Services	(2)																										1.54%	
23	Annual Amortization Expense	Line 21 x Line 22																									\$	97,398	
																	To CMB-3, Line 31												

Notes:

- (1) FERC Account 680 depreciation rate approved in Case No. 18-0298-GA-AIR.  
(2) FERC Account 680 depreciation rate's average service life or 65 years, as approved in Case No. 18-0298-GA-AIR.

VECTREN ENERGY DELIVERY OF OHIO, INC. D/B/A CENTERPOINT ENERGY OHIO  
Distribution Replacement Rider (DRR)  
Meter Installation - Deferred Depreciation Regulatory Asset Balance  
Twelve Months Ended December 31, 2021

A													B		C
Line	Description	Deferred Depreciation at 12/31/2020	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Total Balance at Dec-21	
	<b>Cumulative Balance</b>														
1	Meter Installation - Deferred Depreciation	\$ 441,223	\$ 462,640	\$ 477,992	\$ 499,511	\$ 505,803	\$ 516,089	\$ 542,312	\$ 548,630	\$ 555,388	\$ 571,576	\$ 577,853	\$ 579,952	\$ 601,232	
2	Meter Installation - Deferred Depreciation Amortization	(4,100)	(4,530)	(4,961)	(5,391)	(5,822)	(6,252)	(6,683)	(7,113)	(7,544)	(8,279)	(9,014)	(9,750)	(10,485)	
3	Meter Installation - Deferred Depreciation	\$ 437,123	\$ 458,110	\$ 473,031	\$ 494,120	\$ 499,981	\$ 509,837	\$ 535,629	\$ 541,517	\$ 547,844	\$ 563,298	\$ 568,839	\$ 570,202	\$ 590,747	To CMB-3, Line 18
Line	Description	Activity for Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Total Balance by Calendar Year	
4	Meter Installation In-Service Activity	2021 Filing Exhibit No. BAF-3a	\$ 588,524	\$ 333,176	\$ 680,356	\$ 223,498	\$ 615,343	\$ 419,968	\$ 187,293	\$ 263,482	\$ 771,594	\$ 263,609	\$ 39,918	\$ 1,067,376	\$ 5,454,134
5	Less: Retirements - Services	2021 Filing Exhibit No. BAF-3b	(1,141)	(351)	(2,062)	(3,127)	(1,515)	(1,099)	(435)	(965)	(2,772)	(427)	455	(3,352)	\$ (16,793)
6	Net Meter Installation Additions	Line 4 + Line5	\$ 587,383	\$ 332,825	\$ 678,294	\$ 220,370	\$ 613,828	\$ 418,869	\$ 186,858	\$ 262,516	\$ 768,822	\$ 263,181	\$ 40,373	\$ 1,064,024	\$ 5,437,342
7	Monthly Depreciation Rate	(1)	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	
8	# of Months from 1/1/2021 to Effective Date of DRR Rates, 9/1/2021		8	8	8	8	8	8	8	8	8	8	8	8	
9	Depreciation Expense Recognized - 1/1/2021 to 9/1/2021	Line 6 x Line 7 x Line 8	\$ 11,748	\$ 6,656	\$ 13,566	\$ 4,407	\$ 12,277	\$ 8,377	\$ 3,737	\$ 5,250	\$ 15,376	\$ 5,264	\$ 807	\$ 21,280	\$ 108,747
Line	Description	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Calendar Year	
10	Meter Installation In-Service Activity	Exhibit No. CMB-3a	\$ 351,657	\$ 348,215	\$ 354,853	\$ 94,613	\$ (113,690)	\$ 1,195,064	\$ 206,485	\$ 151,318	\$ 108,892	\$ 202,627	\$ 564,978	\$ 1,493,734	\$ 4,958,747
11	Less: Retirements - Services	Exhibit No. CMB-3b	(55)	(389)	(1,360)	(406)	(36)	(5,376)	-	(572)	(621)	(50)	(48,404)	(12,150)	\$ (69,418)
12	Net Meter Installation Additions	Line 10 + Line11	\$ 351,602	\$ 347,826	\$ 353,494	\$ 94,207	\$ (113,726)	\$ 1,189,687	\$ 206,485	\$ 150,746	\$ 108,271	\$ 202,577	\$ 516,575	\$ 1,481,583	\$ 4,889,329
13	Monthly Depreciation Rate-Per case # 18-0298-GA-AIR (effective 9/1/19)	(1)	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	
14	# months In-Service at .25% depreciation rate to Effective Date of DRR Rates, 9/1/2022		19	18	17	16	15	14	13	12	11	10	9	8	
15	Depreciation Expense Recognized - In-Service to 9/1/2022	(Line 12 x Line 13 x Line 14)	\$ 16,701	\$ 15,652	\$ 15,023	\$ 3,768	\$ (4,265)	\$ 41,639	\$ 6,711	\$ 4,522	\$ 2,977	\$ 5,064	\$ 11,623	\$ 29,632	\$ 149,049
16	Calendar Year 2021		\$ 9,669	\$ 8,696	\$ 7,954	\$ 1,884	\$ (1,990)	\$ 17,845	\$ 2,581	\$ 1,507	\$ 812	\$ 1,013	\$ 1,291	\$ -	\$ 51,262
17	Calendar Year 2022		\$ 7,032	\$ 6,957	\$ 7,070	\$ 1,884	\$ (2,275)	\$ 23,794	\$ 4,130	\$ 3,015	\$ 2,165	\$ 4,052	\$ 10,331	\$ 29,632	\$ 97,787
18	Meter Installations - Deferred Depreciation Amortization	(2)	\$ (430)	\$ (430)	\$ (430)	\$ (430)	\$ (430)	\$ (430)	\$ (430)	\$ (430)	\$ (735)	\$ (735)	\$ (735)	\$ (735)	\$ (6,385)
19	Net Meter Installation Deferred Depreciation at 12/31/2021	Line 1, Column B													\$ 601,232
20	Average Service Life - Services	(2)													2.00%
21	Annual Amortization Expense	Line 19 x Line 20													\$ 12,025
															To CMB-3, Line 32

Notes:

- (1) FERC Account 682 depreciation rate approved in Case No. 18-0298-GA-AIR.  
(2) FERC Account 682 depreciation rate's average service life or 50 years, as approved in Case No. 18-0298-GA-AIR.

**BEFORE  
THE PUBLIC UTILITIES COMMISSION OF OHIO**

In the Matter of the Application of Vectren	)	
Energy Delivery of Ohio, Inc. d/b/a	)	
CenterPoint Energy Ohio for Authority to	)	Case No. 22-0455-GA-RDR
Adjust Its Distribution Replacement Rider	)	
Charges	)	

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**DIRECT TESTIMONY OF**

**KATIE J. TIEKEN**

**DIRECTOR, REGULATORY AND RATES**

**ON BEHALF OF**

**VECTREN ENERGY DELIVERY OF OHIO, INC.**

**D/B/A CENTERPOINT ENERGY OHIO**

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**Direct Testimony of  
Katie J. Tieken**

**I. BACKGROUND AND QUALIFICATIONS**

**Q1. Please state your name and business address.**

A. My name is Katie J Tieken. My business address is 211 NW Riverside Drive, Evansville, Indiana 47708.

**Q2. What position do you hold with Vectren Energy Delivery of Ohio Inc. d/b/a CenterPoint Energy Ohio (CEOH or the Company)?**

A. I am Director, Regulatory and Rates for CenterPoint Energy Services Company, LLC (Service Company), a wholly-owned subsidiary of CenterPoint Energy, Inc. (CenterPoint). The Service Company provides centralized support services to CenterPoint Energy, Inc.'s operating units, of which Vectren Energy Delivery of Ohio, Inc. d/b/a CenterPoint Energy Ohio (CEOH or Company) is one. I have the same role with two other utility subsidiaries of CenterPoint – Southern Indiana Gas and Electric Company d/b/a CenterPoint Energy Indiana South (CEI South) and Indiana Gas Company, Inc. d/b/a CenterPoint Energy Indiana North (CEI North).

**Q3. Please describe your educational background.**

A. I am a 2001 graduate of the University of Evansville with a Bachelor of Science degree in Business Administration with double majors in finance and mathematics.

**Q4. Please describe your professional experience.**

A. From 2002 to 2007, I was employed by EG&G Technical Services as a financial analyst and contract administrator. Since October 2007, I have been employed with CenterPoint in various regulatory capacities. In 2015, I was named Manager, Rates. I was named to Manager, Regulatory and Rates in February 2019. In April 2021, I was named Director, Regulatory and Rates for the above named utilities.



1 **Q5. What are your present duties and responsibilities as Director, Regulatory and**  
2 **Rates?**

3 A. I am responsible for the Ohio and Indiana regulatory and rate matters of the regulated  
4 utilities within CenterPoint in proceedings before the Ohio and Indiana utility regulatory  
5 commissions. I also have responsibility for the implementation of all regulatory  
6 initiatives of CEOH (and other utility subsidiaries in Indiana), as well as the preparation  
7 of regulatory and rates exhibits submitted in various regulatory proceedings.

8 **Q6. Have you previously testified before any state regulatory commission?**

9 A. Yes, I have testified before the Public Utilities Commission of Ohio (PUCO) in CEOH's  
10 2021 Distribution Replacement Rider (DRR) proceeding, Case No. 21-0491-GA-RDR,  
11 and am currently testifying in CEOH's Capital Expenditure Program (CEP) proceeding,  
12 Case No. 22-0620-GA-RDR. I have also testified before the Indiana Utility Regulatory  
13 Commission (IURC) on behalf of CEI South and CEI North.

14 **Q7. What is the purpose and scope of your testimony in this proceeding?**

15 A. My testimony describes changes to costs recovered through the Distribution Replacement  
16 Rider (DRR) and supports the proposed DRR charges, as well as the proposed tariff sheet  
17 and associated bill impacts.

18 **Q8. What Exhibits are you sponsoring in this proceeding?**

19 A. The following exhibits are attached to my testimony:

- 20 • Exhibit No. KJT-1 – DRR Revenue Requirement Variance at December 31, 2021
- 21 • Exhibit No. KJT-1a – DRR Recoveries by Tariff
- 22 • Exhibit No. KJT-2 – DRR Derivation of Charges and Bill Impacts; and
- 23 • Exhibit No. KJT-3 – DRR Tariff Sheet

1     **II.     DRR BACKGROUND**

2     **Q9.     Has the Commission approved changes to the DRR since it was originally approved**  
3     **in Case No. 07-1080-GA-AIR?**

4     A.     Yes. The Commission’s February 19, 2014 Order in Case No. 13-1571-GA-ALT  
5             approved a Stipulation and Recommendation (the 13-1571 Stipulation) between CEOH  
6             and the Staff of the Public Utilities Commission of Ohio. In the 13-1571 Stipulation, the  
7             Commission approved continuation of the DRR, which was originally approved in Case  
8             No. 07-1080-GA-AIR (the 2007 Rate Case). The 13-1571 Stipulation allowed CEOH to  
9             recover a return on and of investments made by the Company under an accelerated bare  
10            steel and cast iron pipeline replacement program (the Replacement Program), inclusive of  
11            capitalized interest (or post-in-service carrying costs, or PISCC) associated with the  
12            Replacement Program, and to recover the incremental costs of assuming responsibility  
13            for service lines.

14    **Q10.    How did the 13-1571 Stipulation modify the DRR?**

15    A.     The 13-1571 Stipulation provided that Replacement Program costs incurred through  
16             December 31, 2017 are recoverable in the DRR. It also accelerated the pace of the  
17             Replacement Program and clarified and expanded the scope of costs recoverable in the  
18             DRR. These and other modifications are described in further detail in the 13-1571  
19             Stipulation itself.

20    **Q11.    Has CEOH been granted an extension of the DRR beyond 2017?**

21    A.     Yes. In Case Nos. 18-0298-GA-AIR, 18-0299-GA-ALT, and 18-0049-GA-ALT (the  
22             2018 Rate Case), the Commission extended the DRR and Replacement Program for six  
23             years, for investments made starting in 2018 through 2023. The 2018 Rate Case

specifically reflected agreement, within the Stipulation and Recommendation, by the signatory parties to continue the DRR and Replacement Program for this six-year period.

**Q12. Please explain the provisions approved in the 2018 Rate Case related to the DRR and the Replacement Program.**

A. The 2018 Rate Case modified the rate of return, post-in-service carrying cost rate, and depreciation rates applicable to the DRR and Replacement Program investments, effective September 1, 2019 with an issuance of the Order in the 2018 Rate Case. The 2018 Rate Case continued the requirement that CEOH employ, subject to Staff's review, prudent and reasonable cost controls, including competitive bidding processes; system planning; and negotiation with municipalities regarding permitting, restoration, fees, and other requirements. The 2018 Rate Case reflected agreement that CEOH shall attempt to complete the Replacement Program by December 31, 2023. CEOH witness Steven A. Hoover discusses CEOH's cost control and competitive bidding processes, and progress and expectations for Replacement Program completion within his testimony.

Finally, the 2018 Rate Case established the residential DRR rate caps, as noted in the following table, applicable starting with investments made in 2018.

<b>Rate Effective Period</b>	<b>DRR Investment Period</b>	<b>Residential Rate Cap (per customer, per month)</b>
September 1, 2019-August 31, 2020	As of December 31, 2018	\$2.50
September 1, 2020-August 31, 2021	As of December 31, 2019	\$5.00
September 1, 2021-August 31, 2022	As of December 31, 2020	\$7.50
September 1, 2022-August 31, 2023	As of December 31, 2021	\$10.00
September 1, 2023-August 31, 2024	As of December 31, 2022	\$12.00
September 1, 2024-August 31, 2025	As of December 31, 2023	\$13.75

**Q13. Please explain Exhibit No. KJT-1 and Exhibit No. KJT-1a.**

A. Exhibit No. KJT-1 provides the calculation of the DRR variance at December 31, 2021. This variance is associated with the DRR revenue requirement for the twelve months ended December 31, 2021.

The variance determined on Exhibit No. KJT-1, page 1, is allocated to mains and service lines based upon the approved revenue requirements in CEOH's 2018, 2019, 2020 and 2021 DRR Filings.

Exhibit No. KJT-1a reflects DRR recoveries by month by customer group for the twelve months ended December 31, 2021.

**Q14. Please describe Exhibit No. KJT-2.**

A. This exhibit contains the filing schedules to support the derivation of the Company's proposed DRR change.

1           Exhibit No. KJT-2, page 1, shows the allocation of the DRR revenue requirement  
2 and variance by rate schedule. The rate schedule allocation factors are as approved in the  
3 order in the 2018 Rate Case, and are multiplied by the total revenue requirement (from  
4 Exhibit No. BAF-1) to determine the allocated revenue requirement by rate schedule.  
5 These same allocations factors are multiplied by the total variance (from Exhibit No.  
6 KJT-1) to determine the allocation variance by rate schedule.

7           The revenue requirement for general service customers is further subdivided by  
8 those customers served by a Group 1 meter (customers served under Rates 320, 321 and  
9 325; hereinafter collectively referred to as Group 1 Customers) receiving a fixed monthly  
10 charge and the remaining customers (customers served by non-Group 1 meters under  
11 Rates 320, 321 and 325; hereinafter collectively referred to as Group 2 and Group 3  
12 customers) charged volumetrically. The revenue requirement is first allocated to the  
13 Group 1 subclassification as 130% of the calculated monthly residential DRR for 2021  
14 multiplied by the sum of the number of monthly Group 1 customer bills. Group 2 and  
15 Group 3 customers are allocated the residual of the Rate 320, 321 and 325 revenue  
16 requirement less the amounts assigned to the Group 1 customers.

17           Exhibit No. KJT-2, page 2, calculates the residential DRR rate per customer  
18 applicable to only the revenue requirement amount, and evaluates this rate against the  
19 approved cap of \$10.00 per customer per month. For the residential rate schedules (Rates  
20 310, 311, and 315), the allocated revenue requirement is divided by the projected number  
21 of customers, and then divided by 12, to determine the monthly DRR charge applicable to  
22 residential customers. For prior periods, any amount in excess of the defined residential  
23 rate cap was deferred and is subsequently included for recovery in the DRR provided the

1 resulting amount does not exceed the defined cap. The total residential DRR on line 4 is  
2 compared against the cap on line 5, with any amount in excess of the cap deferred for  
3 recovery in a subsequent DRR proceeding. In this proceeding, the revenue requirement  
4 for residential customers results in a rate less than the \$10.00 per customer per month  
5 approved cap, which would allow for the inclusion of the prior deferrals. As of December  
6 31, 2021 the Company had no prior period deferral to include in this proceeding as  
7 discussed below.

8 Exhibit No. KJT-2, page 3, calculates the total DRR rates and charges by taking  
9 (1) the revenue requirement from page 1, (2) the prior deferral of amounts in excess of  
10 the cap from page 2, (3) a reduction for any amounts in excess of the current cap from  
11 page 3, and (4) the variance from page 1. The total amount to be recovered by rate  
12 schedule is used to derive the proposed rates and charges. For the residential rate  
13 schedules (Rates 310, 311, and 315), the allocated revenue requirement is divided by the  
14 projected number of customers, and then divided by 12, to determine the monthly DRR  
15 charge applicable to residential customers. The allocated revenue requirement for Group  
16 1 customers, determined on page 1, is added to the allocated share of recovery variances  
17 from page 1, with this total divided by the annual number of Group 1 bills to derive the  
18 monthly per customer charge. For Group 2 and Group 3 Customers and all customers  
19 receiving service under Rates 345 and 360, the allocated revenue requirement and  
20 allocated recovery variances for each rate schedule is divided by the projected annual  
21 throughput for each rate schedule to determine the DRR charge per billing Ccf applicable  
22 to those rate schedules.

1           Exhibit No. KJT-2, page 4, identifies the recoveries applicable to the periods  
2           September 2022 through December 2022 and January 2023 through August 2023. These  
3           are the 12 months during which the proposed DRR is projected to be in effect. The  
4           purpose of this schedule is to provide the basis for determining the revenue requirement  
5           recovery variance applicable to the period of September through December 2022, since in  
6           the next annual DRR filing CEOH will reconcile actual costs and actual recoveries  
7           through December 2022<sup>1</sup>. In the 2023 DRR filing the variance applicable to the period of  
8           January through August 2022 will be based upon the recoveries for that period as  
9           identified on page 4. This methodology is consistent with the company's previous annual  
10          DRR filings.

11          Exhibit No. KJT-2, page 5, shows the impact of the proposed DRR rates and  
12          charges on each rate schedule.

13          Exhibit No. KJT-2, page 6, shows the annual impact of the proposed DRR rates  
14          and charges on residential customers.

15      **Q15. Does the calculated residential DRR rate per customer exceed the cap identified in**  
16      **the 2018 Rate Case?**

17      A.     No. Consistent with the 2018 Rate Case, the evaluation against the rate cap shall only  
18           include the DRR revenue requirement exclusive of variances. As shown on Exhibit No.  
19           KJT-2, page 2, the 2021 DRR revenue requirement does not exceed the cap.

20      **Q16. What are the proposed DRR rates and charges when considering the applicable cap**  
21      **and variances from prior periods?**

22      A.     As reflected on Exhibit No. KJT-2, page 3, the proposed DRR rates and charges are as  
23           follows:

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<sup>1</sup> Recoveries applicable to January through August 2021 were included in the determination of the DRR revenue requirement in the 2020 DRR Filing, Case No. 20-0101-GA-RDR.

<b>Rate Schedule</b>	<b>DRR Rate per Customer per Month</b>	<b>DRR Rate per Billing CCF</b>
310, 311, and 315	\$ 8.55	
320, 321, and 325 (Group 1)	\$11.12	
320, 321, and 325 (Group 2 and 3)		\$0.03040
345		\$0.01102
360		\$0.00663

1    **Q17. Please describe Exhibit No. KJT-3.**

2    A.    Exhibit No. KJT-3 illustrates the proposed DRR tariff sheet, with a redlined (page 1) and  
3            clean (page 2) version.

4

5            **III. CONCLUSION**

6    **Q18. Does that conclude your prepared direct testimony?**

7    A.    Yes, it does.



**VECTREN ENERGY DELIVERY OF OHIO, INC. D/B/A CENTERPOINT ENERGY OHIO  
DISTRIBUTION REPLACEMENT RIDER  
DRR REVENUE REQUIREMENT VARIANCE**

A	B	C	D	E	F	
Line	Description		Total	Adjustment (3)	Adjusted Total [D + E]	Reference
1	Revenue requirement for: January 2021 - August 2021 per Case No. 20-0101-GA-RDR, Exhibit JCS-5-C, Page 4 of 6, Line 14	\$ 12,610,059				
2	Less: DRR Recoveries January 2021 - August 2021	<u>\$ (13,021,843)</u>				(Sum of Lines 19-26)
3	<b>DRR (Over)/Under Recovery for Eight Months Ended August 31, 2021</b>		<b>\$ (411,784)</b>	<b>\$ -</b>	<b>\$ (411,784)</b>	<b>Line 1 + Line 2</b>
4	Revenue requirement for: September 2021 - December 2021 per Case No. 21-0491-GA-RDR, Exhibit KJT-2, Page 4 of 6, Line 5	\$ 11,143,234				
5	Less: DRR Recoveries September 2021 - December 2021	<u>\$ (11,025,873)</u>				(Sum of Lines 27-30)
6	<b>DRR (Over)/Under Recovery for Four Months Ended December 31, 2021</b>		<b>\$ 117,361</b>	<b>\$ (32,025)</b>	<b>\$ 85,336</b>	<b>Line 4 + Line 5</b>
7	<b>DRR (Over)/Under Recovery for Twelve Months Ended December 31, 2021</b>		<b>\$ (294,422)</b>	<b>\$ (32,025)</b>	<b>\$ (326,447)</b>	<b>Line 3 + Line 6</b>
8	<b><u>(Over)/Under Recovery - Mains and Services Allocation</u></b>					
	<b>Description</b>	<b>Revenue Requirement</b>	<b>%</b>	<b>DRR Variance Allocation</b>		
	<b>2020</b>	<b>D <sup>(1)</sup></b>	<b>E</b>	<b>F = Line 3 * E</b>		
9	Mains	\$ 8,483,556	43.2%	\$ (178,049)		
10	Services	<u>11,136,873</u>	<u>56.8%</u>	<u>(233,735)</u>		
11	Total	\$ 19,620,429	100.0%	\$ (411,784)	=Line 3	
	<b>2021</b>	<b>D <sup>(2)</sup></b>	<b>E</b>	<b>F = Line 6 * E</b>		
12	Mains	\$ 13,031,487	44.1%	\$ 51,764		
13	Services	<u>16,514,021</u>	<u>55.9%</u>	<u>65,597</u>		
14	Total	\$ 29,545,508	100.0%	\$ 117,361	=Line 6	
15	<b>Total Main (Over) Recovery Variance</b>	<b>\$ (126,285)</b>	<b>Line 9 + Line 12</b>	<b>\$ (13,849)</b>	<b>\$ (140,134)</b>	<b>To KJT-2, Page 1, Line 14, Column B.</b>
16	<b>Total Services (Over) Recovery Variance</b>	<b>\$ (168,138)</b>	<b>Line 10 + Line 13</b>	<b>\$ (18,176)</b>	<b>\$ (186,314)</b>	<b>To KJT-2, Page 1, Line 14, Column D.</b>
17	<b><u>DRR Recoveries by Month:</u></b>					
18		<b>Recovery - \$</b>	<b>Reference</b>			
19	January 2021	\$ 2,036,158	Exhibit No. KJT-1a, Column H, Line 1			
20	February 2021	\$ 1,786,005	Exhibit No. KJT-1a, Column H, Line 2			
21	March 2021	\$ 1,723,265	Exhibit No. KJT-1a, Column H, Line 3			
22	April 2021	\$ 1,554,090	Exhibit No. KJT-1a, Column H, Line 4			
23	May 2021	\$ 1,506,678	Exhibit No. KJT-1a, Column H, Line 5			
24	June 2021	\$ 1,536,630	Exhibit No. KJT-1a, Column H, Line 6			
25	July 2021	\$ 1,388,302	Exhibit No. KJT-1a, Column H, Line 7			
26	August 2021	\$ 1,490,714	Exhibit No. KJT-1a, Column H, Line 8			
27	September 2021	\$ 2,251,340	Exhibit No. KJT-1a, Column H, Line 9			
28	October 2021	\$ 2,916,831	Exhibit No. KJT-1a, Column H, Line 10			
29	November 2021	\$ 2,814,041	Exhibit No. KJT-1a, Column H, Line 11			
30	December 2021	\$ 3,043,660	Exhibit No. KJT-1a, Column H, Line 12			
31	<b>Total DRR Recoveries</b>	<b><u>\$ 24,047,715</u></b>				

**Notes:**

(1) Revenue Requirement per Case No. 20-0101-GA-RDR (Exhibit JCS-5-C, Page 1 of 6, Line 7).

(2) Revenue Requirement per Case No. 21-0491-GA-RDR (Exhibit KJT-2, Page 1 of 6, Line 7).

(3) Adjustment supported by Work Papers.

**VECTREN ENERGY DELIVERY OF OHIO, INC. D/B/A CENTERPOINT ENERGY OHIO  
DISTRIBUTION REPLACEMENT RIDER  
DRR RECOVERIES BY TARIFF**

		A	B	C	D	E	F	G	H
		DRR Recoveries							
<u>Line</u>	<u>Month</u>	<u>310/311/315</u>	<u>320/321/325 - Grp 1</u>	<u>341</u>	<u>320/321/325 - Grp 2 &amp; 3</u>	<u>345</u>	<u>360/370</u>	<u>Total</u>	
1	Jan-21	\$ 1,531,702	\$ 88,558	\$ -	\$ 305,241	\$ 49,734	\$ 60,923	\$ 2,036,158	
2	Feb-21	1,322,504	76,742	-	277,155	51,471	58,133	\$ 1,786,005	
3	Mar-21	1,351,898	79,257	-	205,722	36,321	50,068	\$ 1,723,265	
4	Apr-21	1,324,663	76,466	-	77,358	27,956	47,646	\$ 1,554,090	
5	May-21	1,313,051	75,229	-	50,135	22,799	45,465	\$ 1,506,678	
6	Jun-21	1,368,471	75,140	-	33,449	18,529	41,040	\$ 1,536,630	
7	Jul-21	1,229,800	72,329	-	25,897	17,540	42,736	\$ 1,388,302	
8	Aug-21	1,327,865	75,268	-	29,662	18,477	39,443	\$ 1,490,714	
9	Sep-21	1,966,378	114,463	-	57,603	35,593	77,303	\$ 2,251,340	
10	Oct-21	2,545,595	154,046	-	90,679	42,582	83,929	\$ 2,916,831	
11	Nov-21	2,282,254	136,837	-	221,342	73,703	99,906	\$ 2,814,041	
12	Dec-21	2,326,059	138,604	-	408,839	73,426	96,733	\$ 3,043,660	
13	<b>Total</b>	<u>\$ 19,890,239</u>	<u>\$ 1,162,938</u>	<u>\$ -</u>	<u>\$ 1,783,082</u>	<u>\$ 468,131</u>	<u>\$ 743,326</u>	<u>\$ 24,047,715</u>	

**VECTREN ENERGY DELIVERY OF OHIO, INC. D/B/A CENTERPOINT ENERGY OHIO  
DISTRIBUTION REPLACEMENT RIDER  
ALLOCATION OF REVENUE REQUIREMENT**

<u>Line</u>	<u>Rate Schedule</u>	(A) Mains Allocation Factors (1) (%)	(B) Mains Allocated DRR Revenue Requirement	(C) Service Lines Allocation Factors (1) (%)	(D) Service Lines Allocated DRR Revenue Requirement	(E) Total DRR Revenue Requirement (B) + (D)	
1	310/311/325	73.331%	\$ 12,415,435	89.734%	\$ 19,256,784	\$ 31,672,219	(2)
2	320/321/325	14.221%	\$ 2,407,712	9.913%	\$ 2,127,315	\$ 4,535,027	
3	Group 1					\$ 1,587,973	(3)
4	Group 2 & 3					\$ 2,947,054	(4)
5	345	4.618%	\$ 781,859	0.280%	\$ 60,088	\$ 841,946	
6	360	7.830%	\$ 1,325,672	0.073%	\$ 15,666	\$ 1,341,338	
7	Total Revenue Requirements	100.000%	\$ 16,930,677	100.000%	\$ 21,459,852	\$ 38,390,529	

(1) Allocation Factors for Mains and Service Lines as presented in Case No. 18-0298-GA-AIR.

(2) To KJT-2, Page 2, Line 2.

(3) Allocation of Group 1 revenue is 130% of the Residential monthly rate multiplied by the projected customer counts.

(4) Allocation of Group 2&3 revenue is the residual of the GS allocation less Group 1 charges.

**ALLOCATION OF VARIANCES**

<u>Line</u>	<u>Rate Schedule</u>	(A) Mains Allocation Factors (1) (%)	(B) Mains Allocated DRR Variance	(C) Service Lines Allocation Factors (1) (%)	(D) Service Lines Allocated DRR Variance	(F) Total DRR Variance (B) + (D)	
8	310/311/325	73.331%	\$ (102,761.46)	89.734%	\$ (167,186.79)	\$ (269,948.25)	(6)
9	320/321/325	14.221%	\$ (19,928.42)	9.913%	\$ (18,469.28)	\$ (38,397.70)	
10	Group 1					\$ (13,445.24)	(7)
11	Group 2 & 3					\$ (24,952.46)	(7)
12	345	4.618%	\$ (6,471.38)	0.280%	\$ (521.68)	\$ (6,993.06)	
13	360	7.830%	\$ (10,972.47)	0.073%	\$ (136.01)	\$ (11,108.48)	
14	Variance	100.000%	\$ (140,133.73)	100.000%	\$ (186,313.76)	\$ (326,447.49)	

(6) To KJT-2, Page 2, Line 7.

(7) Allocation of variance credit to 320/321/325 derived by applying the same proportion as used in revenue allocation for Group 1 and Group 2 & 3.

**VECTREN ENERGY DELIVERY OF OHIO, INC. D/B/A CENTERPOINT ENERGY OHIO  
DISTRIBUTION REPLACEMENT RIDER  
CALCULATION OF RESIDENTIAL DRR DEFERRED 310/311/315 REVENUE**

<u>Line</u>	<u>Description</u>	(A) DRR Rate Revenue Requirement	(B) Residential Customer Count	(C) DRR Rate per Customer per Month <u>(A) / (B) / 12</u>
1	Residential Customer Count		306,061	
2	Calculated DRR - Rate 310/311/315	\$ 31,672,219		\$ 8.62
3	<u>Prior Deferred Revenue - Rate 310/311/315</u>	<u>\$ - (1)</u>		
4	<u>Total Residential DRR</u>	<u>\$ 31,672,218</u>		\$ 8.62
5	Residential Rate Cap			<u>\$ 10.00</u>
6	<u>Excess Revenue Requirement Deferred</u>	<u>N/A (2)</u>		N/A
7	<u>Prior Deferred Revenue to be Recovered</u>	<u>\$ - (3)</u>		

(1) 310/311/315 Deferred Revenue Requirements As Filed in Case No. 18-0762-GA-RDR. Exhausted in 20-101-GA-RDR

(2) 310/311/315 Deferred Revenue Requirements carried to 2022 DRR filing. Excess calculated rate per customer per month multiplied by the projected residential customer count.

(3) Prior Deferred Revenue allowable for recovery under the Residential Rate Cap proposed in Case No. 18-0298-GA-AIR.

**VECTREN ENERGY DELIVERY OF OHIO, INC. D/B/A CENTERPOINT ENERGY OHIO  
DISTRIBUTION REPLACEMENT RIDER  
CALCULATION OF DRR RATES**

<u>Line</u>	<u>Schedule</u>	(A) <u>Revenue Requirement (1)</u>	(B) <u>Prior Deferral</u>	(C) <u>Amount Over Cap (2)</u>	(D) <u>Variance (3)</u>	(E) <u>Recovery by Rate Schedule A + (B-C) + D</u>	(F) <u>Customer Count - or - Volumes</u>	(G) <u>Proposed DRR Per Customer Per Month (E) / (F) / 12</u>	(H) <u>Proposed DRR Per Billing Ccf (E) / (F)</u>
1	310/311/315	\$ 31,672,219	\$ -	\$ -	\$ (269,948)	\$ 31,402,270	306,061 #	\$ 8.55	
2	320/321/325	\$ 4,535,027			\$ (38,398)	\$ 4,496,629			
3	Group 1	\$ 1,587,973			\$ (13,445)	\$ 1,574,528	11,804 #	\$ 11.12	
4	Group 2 & 3	\$ 2,947,054			\$ (24,952)	\$ 2,922,102	96,115,308 Ccf		\$ 0.03040
5	345	\$ 841,946			\$ (6,993)	\$ 834,953	75,796,054 Ccf		\$ 0.01102
6	360	\$ 1,341,338			\$ (11,108)	\$ 1,330,229	200,539,046 Ccf		\$ 0.00663
7	<u>Total</u>	<u>\$ 38,390,529</u>			<u>\$ (326,447)</u>	<u>\$ 38,064,082</u>			

(1) From KJT-2, Page 1, Line 7, Column E

(2) From KJT-2, Page 2, Line 6

(3) From KJT-2, Page 1, Line 14, Column E

**VECTREN ENERGY DELIVERY OF OHIO, INC. D/B/A CENTERPOINT ENERGY OHIO  
DISTRIBUTION REPLACEMENT RIDER  
DETERMINATION OF APPROVED RECOVERIES  
BY CALENDAR MONTH**

(A)		(B)	(C)
Line	Month	Allocation Factor (1)	Approved Recoveries (2)
1	September-22	7.70%	\$ 2,931,015
2	October-22	8.05%	\$ 3,063,483
3	November-22	8.54%	\$ 3,251,697
4	December-22	9.22%	\$ 3,509,550
5	<u>Subtotal (To Annual DRR Filing in 2023)</u>		<u>\$ 12,755,745</u>
6	January-23	9.48%	\$ 3,607,543
7	February-23	9.02%	\$ 3,432,411
8	March-23	8.71%	\$ 3,314,457
9	April-23	8.17%	\$ 3,108,390
10	May-23	7.92%	\$ 3,013,328
11	June-23	7.76%	\$ 2,954,317
12	July-23	7.73%	\$ 2,943,850
13	August-23	7.71%	\$ 2,934,042
14	<u>Subtotal (To Annual DRR Filing in 2024)</u>		<u>\$ 25,308,337</u>

(1) Based on monthly volumes / customer count (as applicable) as a percentage of annual, in 2022-2023 Budget.

(2) Allocation Factor in Column B times total revenue requirement - inclusive of prior deferrals and variances.

**VECTREN ENERGY DELIVERY OF OHIO, INC. D/B/A CENTERPOINT ENERGY OHIO  
DISTRIBUTION REPLACEMENT RIDER  
RATE SCHEDULE BILL IMPACTS**

		(A)	(B)	(C)	(D)	(E)	(F)	(G)	
<u>Line</u>	<u>Rate Schedule</u>	<u>Present Revenue (1)</u>	<u>Gas Cost Revenue</u>	<u>Revenue Less Gas Cost Revenue (A) - (B)</u>	<u>Previous DRR Revenue Requirement</u>	<u>Current DRR Revenue Requirement (2)</u>	<u>Incremental DRR Revenue Requirement (D) - (E)</u>	<u>% Increase (F) / (C)</u>	
1	310/311/315	\$ 122,189,089	\$ 5,834,923	\$ 116,354,166	\$ 27,578,589	\$ 31,402,270	\$ 3,823,682	3.29%	(3)
2	320/321/325	\$ 28,048,919	\$ 191,118	\$ 27,857,801	\$ 3,946,786	\$ 4,496,629	\$ 549,843	1.97%	(4)
3	345	\$ 7,028,841		\$ 7,028,841	\$ 731,626	\$ 834,953	\$ 103,327	1.47%	
4	360	\$ 15,986,151		\$ 15,986,151	\$ 1,165,317	\$ 1,330,229	\$ 164,912	1.03%	
5	<u>Total</u>	<u>\$ 173,253,000</u>	<u>\$ 6,026,041</u>	<u>\$ 167,226,959</u>	<u>\$ 33,422,318</u>	<u>\$ 38,064,082</u>	<u>\$ 4,641,764</u>	<u>2.78%</u>	

(1) Rate Case Revenues (Test Year) under proposed rates.

(2) From Exhibit No. KJT-2, Page 3, Line 7, column E.

(3) For column (E), Revenue Requirement equals unit rate times number of customers.

(4) For column (E), Revenue Requirement equals unit rate times number of customers for Group 1, and unit rate times projected volumes for Group 2 & 3.

**VECTREN ENERGY DELIVERY OF OHIO, INC. D/B/A CENTERPOINT ENERGY OHIO  
DISTRIBUTION REPLACEMENT RIDER  
ANNUAL RESIDENTIAL CUSTOMER BILL IMPACT**

<u>Line</u>			<u>Reference</u>
1	Proposed DRR Charge Per Customer Per Month	\$ 8.55	Exhibit No. KJT-2, Page 3
2	Current DRR Charge Per Customer Per Month	<u>\$ 7.58</u> (1)	CN 21-491-GA-RDR
3	Incremental DRR Charge Per Month	\$ 0.97	Line [1] - Line [2]
4	Months	<u>12</u>	
5	Annual Incremental Bill Impact	\$ 11.64	Line [3] x Line [4]
6	Total Annual DRR Bill Amount	\$ 102.60	Line [1] x Line [4]

(1) Investment through December 31, 2017 included in base rates per Case No. 18-0298-GA-AIR.



VECTREN ENERGY DELIVERY OF OHIO, INC.  
Tariff for Gas Service  
P.U.C.O. No. 4

Sheet No. 45  
~~Second-Third~~ Revised Page 1 of 1  
Cancels ~~First-Second~~ Revised Page 1 of 1

## **DISTRIBUTION REPLACEMENT RIDER**

### **APPLICABILITY**

The Distribution Replacement Rider ("DRR") is applicable to any Customer served under the Rate Schedules identified below.

- Rate 310 - Residential Default Sales Service
- Rate 311 - Residential Standard Choice Offer Service
- Rate 315 - Residential Transportation Service
- Rate 320 - General Default Sales Service
- Rate 321 - General Standard Choice Offer Service
- Rate 325 - General Transportation Service
- Rate 345 - Large General Transportation Service
- Rate 360 - Large Volume Transportation Service

### **DESCRIPTION**

The DRR will be effective through August 31, 2025 or until new rates become effective as a result of the filing by Company of an application for an increase in rates pursuant to Section 4909.18, Revised Code, or a proposal to establish base rates pursuant to an alternative method of regulation under Section 4929.05, Revised Code, whichever comes first.

The DRR will recover costs associated with Company's accelerated infrastructure replacement program approved by the Commission in Case No. 18-0299-GA-ALT. All applicable Customers shall be assessed either (a) a monthly charge in addition to the Monthly Charge or Customer Charge component of their applicable Rate Schedule, or (b) a volumetric charge applicable to each Billing Ccf of metered gas usage each month.

Actual costs and actual recoveries are reconciled in each annual DRR update, with any under- or over-recovery being recovered or returned over the next twelve (12) month period.

The monthly DRR charge applicable to Rate 310, 311, 315, 320 (Group 1), 321 (Group 1) and 325 (Group 1) customers shall be subject to caps approved by the Commission in Case No. 18-0299-GA-ALT.

### **RECONCILIATION**

The DRR is subject to reconciliation or adjustment annually, including but not limited to, increases or refunds. Such reconciliation or adjustment shall be limited to: (1) the twelve-month period of expenditures upon which the rates were calculated, if determined to be unlawful, unreasonable, or imprudent by the Commission in the docket those rates were approved or the Supreme Court of Ohio; (2) the Commission's orders in Case No. 18-47-AU-COI or any case ordered by the Commission to address tax reform changes.

### **DISTRIBUTION REPLACEMENT RIDER CHARGE**

The charges for the respective Rate Schedules are:

<b><u>Rate Schedule</u></b>	<b><u>\$ Per Month</u></b>	<b><u>\$ Per Billing Ccf</u></b>
310, 311 and 315	<del>\$ 8.557-58</del>	
320, 321 and 325 (Group 1)	<del>\$11.129-85</del>	
320, 321 and 325 (Group 2 and 3)		<del>\$0.030400-03003</del>
345		<del>\$0.011020-01260</del>
360		<del>\$0.006630-00538</del>

Filed pursuant to the Finding and Order dated ~~August 25, 2021~~ in Case No. ~~21-0491 22-0455-~~  
GA-RDR of The Public Utilities Commission of Ohio.

Issued ~~August 25, 2021~~

Issued by Katie J Tieken, Director

Effective ~~September 1, 2021~~

VECTREN ENERGY DELIVERY OF OHIO, INC.  
Tariff for Gas Service  
P.U.C.O. No. 4

Sheet No. 45  
Third Revised Page 1 of 1  
Cancels Second Revised Page 1 of 1

## **DISTRIBUTION REPLACEMENT RIDER**

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<b><u>Rate Schedule</u></b>	<b><u>\$ Per Month</u></b>	<b><u>\$ Per Billing Ccf</u></b>
310, 311 and 315	\$ 8.55	
320, 321 and 325 (Group 1)	\$11.12	
320, 321 and 325 (Group 2 and 3)		\$0.03040
345		\$0.01102
360		\$0.00663

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Filed pursuant to the Finding and Order dated \_\_\_\_\_ in Case No. 22-0455-GA-RDR of The Public Utilities Commission of Ohio.

Issued \_\_\_\_\_

Issued by Katie J Tieken, Director

Effective \_\_\_\_\_

**This foregoing document was electronically filed with the Public Utilities  
Commission of Ohio Docketing Information System on**

**4/29/2022 4:22:24 PM**

**in**

**Case No(s). 22-0455-GA-RDR**

Summary: Application Application for Authority to Adjust its Distribution  
Replacement Rider Charges electronically filed by Christopher T. Kennedy on  
behalf of Vectren Energy Delivery of Ohio, Inc. d/b/a CenterPoint Energy Ohio