



Milwaukee Phase 1 - Open Cutting 8" Medium Pressure Main at 1600 N. Honore

The Peoples Gas Light and Coke Company  
System Modernization Program  
***ICC 2020 4th Quarter Report***

SMP Progress through: December 31, 2020

Published: February 12, 2021

## *Quarterly Highlights*

1. Due to the COVID-19 pandemic, Peoples Gas significantly reduced customer facing work during the second quarter and resumed with safety precautions during the third quarter. While customer facing work was paused, project teams adapted and took advantage of reduced vehicular and foot traffic downtown to advance critical infrastructure upgrades.
2. Despite the public health emergency and challenges with third-party design reviews, Neighborhood and Public Improvement/System Improvement cost per mile were less than forecast in the 2020 plan. Overall, quantity installations exceeded or were within 10% of the plan. Due to shifts lost during the pandemic and extended third-party design reviews, portions of main retirement planned for 2020 will be completed in 2021.
3. Peoples Gas completed a critical high pressure supply line into Northwest Chicago in 2020. This will allow Peoples Gas to complete construction in higher risk ranked Neighborhoods, which are dependent upon this supply source.

## *Table of Contents*

	<b>Page</b>
1. Letter to the Commission	4
2. Summary Observations & Analysis	6
3. High Level Program Status	7
4. Neighborhood Performance Metrics	8
5. Public Improvement / System Improvement (PI/SI) Performance Metrics	11
6. Meter Moves Performance Metrics	14
7. High Pressure (HP) Performance Metrics	16
8. Rate Impact Metrics	18
9. Company Overall Leak Rate	25
10. Estimated O&M Impact	26
11. Appendix	27
a. Neighborhood Metrics	
b. Neighborhood Leak Rates & 2 Year Average	
c. PI/SI Metrics	
d. ICC Recommendation Findings	

February 12, 2021

Illinois Commerce Commission  
527 East Capitol Avenue  
Springfield, IL 62701

Dear Chairman Zalewski and Commissioners Oliva, Kimbrel, Bocanegra and Carrigan:

We are pleased to submit the fourth quarter report for 2020 for the Peoples Gas System Modernization Program (SMP) in compliance with the ICC's order in docket 16-0376.

SMP made excellent progress in the fourth quarter and finished 2020 strong. Despite unique customer and field challenges associated with COVID-19 and the delayed start of numerous projects, only the near final step of retiring old gas main was partially deferred into 2021. SMP crews working under unprecedented circumstances even exceeded the 2020 goal for main installations. Here are a few highlights.

- **Construction on target for the year** – SMP crews installed 108 miles of natural gas main, about 8% more than planned. Service line installations and meter transfers came in at 97% and 92% of original projections respectively. Crews were able to complete 73% of planned gas main retirements, with the balance to be completed in 2021.
- **Strong 4<sup>th</sup> quarter** – SMP kicked off over 20 new projects in October and November of 2020. Peoples Gas installed 40 miles of natural gas main in the fourth quarter, accounting for nearly 40 percent of total gas main installed in 2020.
- **Getting ahead for 2021** – We moved concrete restoration ahead of meter moves in the construction process in several neighborhoods due to the slowdown of in-person appointments during the pandemic. The change in sequence will mean less carryover work on existing projects for 2021.
- **Coordination with City of Chicago** – Peoples Gas worked closely with the Chicago Department of Transportation and other city agencies to make the most of the slowdown in vehicular and pedestrian traffic during and following the stay-at-home order in 2020. SMP crews completed four construction projects in the Central Business District in record time in 2020.
- **Effective leak reduction** – The number of leaks in the Peoples Gas delivery system continued to decrease in 2020, demonstrating the effectiveness of the critical infrastructure upgrades being made through SMP.

We look forward to continuing to partner with you to improve the safety and reliability of our delivery system in 2021. As always, feel free to contact me with any questions or concerns.

Sincerely,

A handwritten signature in black ink, appearing to read "A. Hesselbach". The signature is fluid and cursive, with a large initial "A" and a long, sweeping underline.

Andy Hesselbach  
Senior Vice President of Gas Operations – Illinois

# Peoples Gas - System Modernization Program *Quarterly Report*

Prepared for the Illinois Commerce Commission - Quarter ending December 31, 2020

## 2. Summary Observations & Analysis

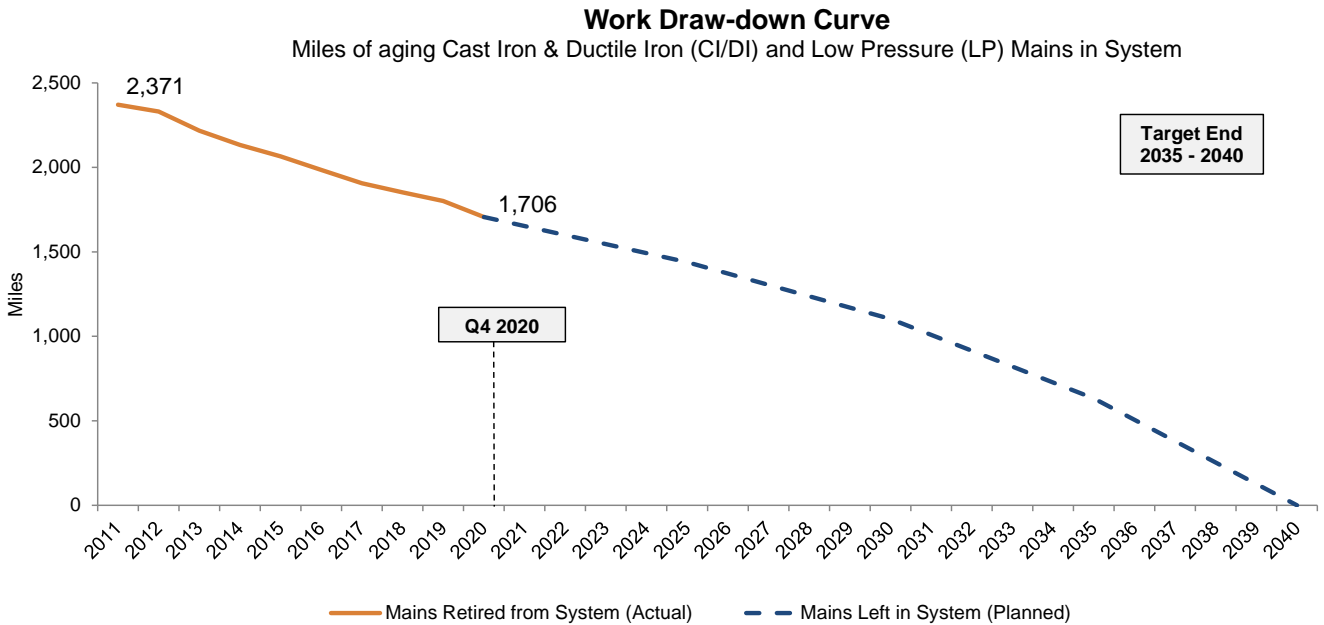
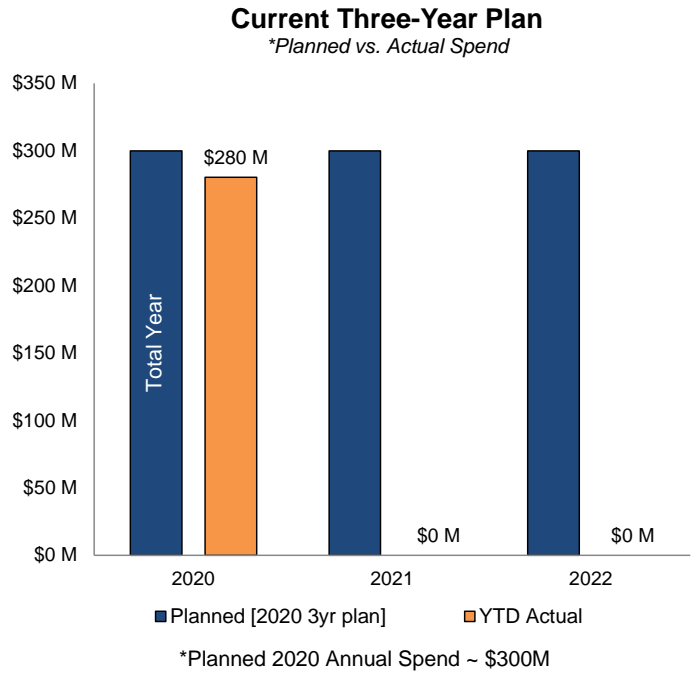
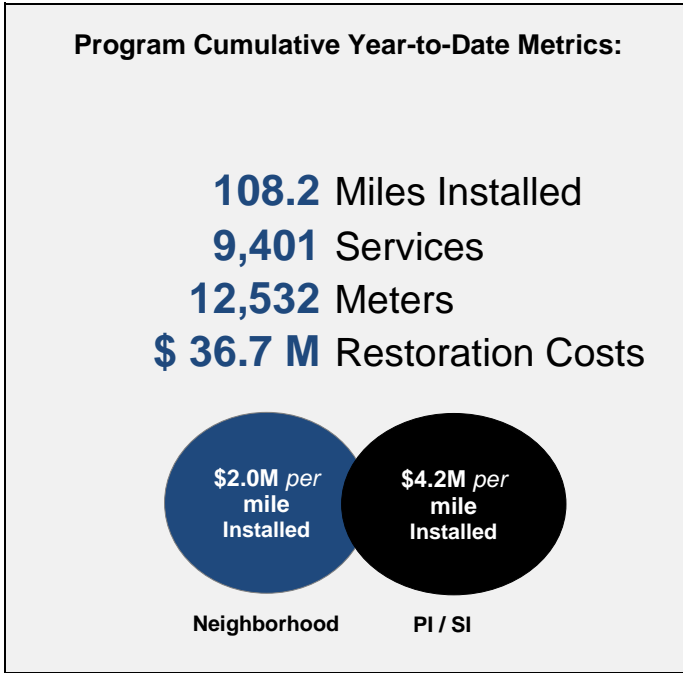
Enclosed is Peoples Gas' System Modernization Program (SMP) fourth quarter 2020 Report. The information displayed on the pages that follow are actual results recorded from January 2020 through December 2020 as measured against the plan established in the fourth quarter of 2019.

During the fourth quarter, Peoples Gas made excellent progress on installation across our Neighborhood, Public Improvement (PI)/System Improvement (SI), and High Pressure programs. Overall construction progress was on target for the year, including 8% more miles than planned, 97% of planned service installations, and 92% of meter transfers. Crews were able to complete 73% of planned gas main retirement quantities with the balance pushed to 2021 for completion. Project teams adapted to achieve these strong results despite multiple challenges during the year. One challenge was the pause in customer facing work during the second quarter due to the COVID-19 pandemic. This pause and resulting backlog delayed the start of construction for some projects. Another challenge was that it took a long time to gain third party design approvals for projects in 2020. Design review and approval is administered by the Office of Underground Coordination (OUC), and is designed to ensure there are not line of lay conflicts with other utilities. This design review and approval process requires reviews by approximately 30 third parties and took longer than planned for several projects. Because of these delays, meter transfers and main retirement were lower than planned for the year.

Tables and graphs on the following pages show progress and performance through the fourth quarter. Here are some specific highlights:

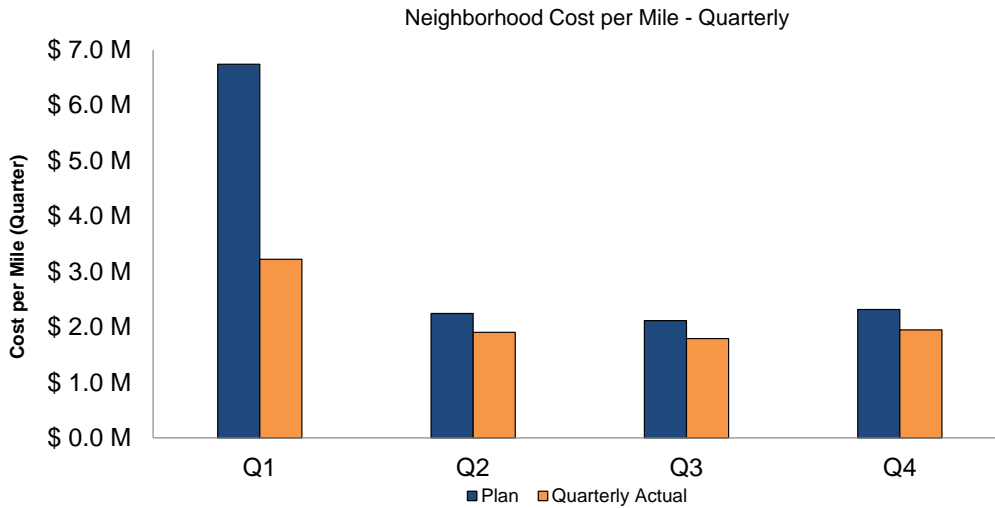
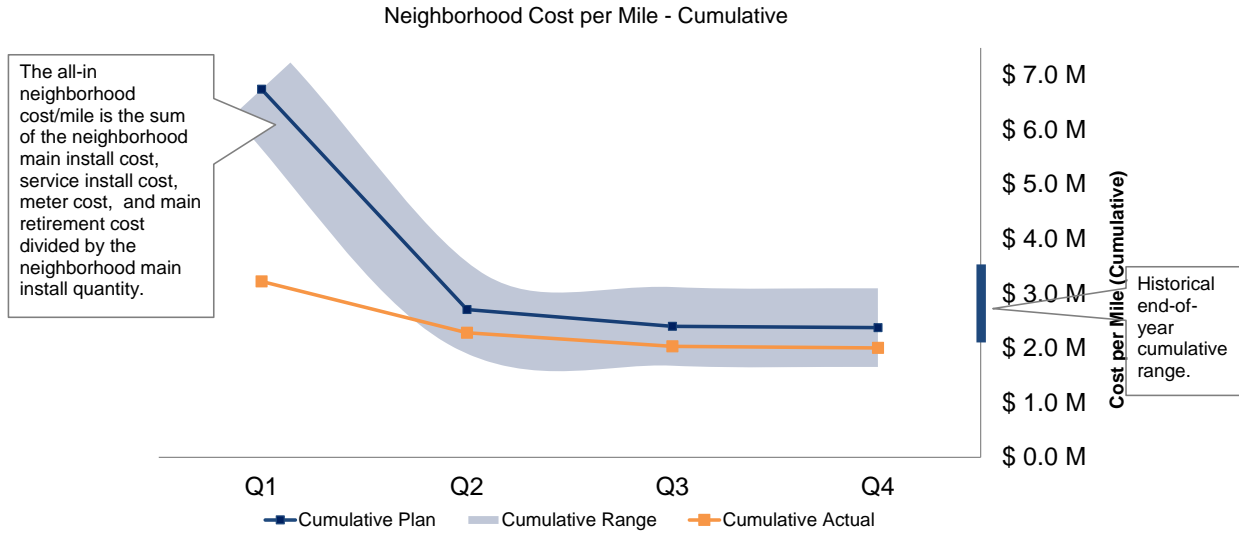
- For Neighborhood work, the overall cost per mile was better than the planned rate, as shown on page 7. During the fourth quarter, field execution teams were able to catch up on main and service installation, overcoming challenges with third-party design reviews and the second quarter pause in customer facing work. Main retirement was the only Neighborhood metric not achieving plan for the year. Main retirement can occur only after meter moves are complete (after the customer has been physically transferred from the aging infrastructure to the new infrastructure). Because of the pause in the customer-facing meter move work, portions of main retirement originally slated for the third and fourth quarters of 2020 were pushed into 2021.
- Public Improvement/System Improvement (PI/SI) cost per installed mile declined during the fourth quarter, pushing the overall cost per installed mile lower than planned for the year. Upon receiving design approvals for several larger PI/SI projects during the third and fourth quarters, field execution teams were able to catch up on main installation. Progress on these lower cost-per-mile projects enabled the overall rate to be less than planned for the year. Similar to Neighborhood work, main retirement did not catch up by year end. See pages 11 – 13 for the PI/SI Program metrics.
- During the fourth quarter, meter moves continued after initially curtailing that work during the second quarter to protect customers and employees in coordination with City and State responses to COVID-19. New safety precautions were developed for this work, including asking customers pre-screening questions and wearing masks. While progress was steady, with the backlog of work, the meter moves did not catch up by year-end and directly impacted main retirement. Metrics related to meter moves are on pages 14 and 15.
- The High Pressure Program metrics are shown on pages 16 and 17. Peoples Gas completed final restoration for the Northwest Interconnect Phase 5B project during the fourth quarter. Peoples Gas began field work for this project, including installation of approximately two miles of large-diameter high pressure main needed to support the upgrade of Peoples Gas' distribution system from low pressure to medium pressure, last year. Peoples Gas completed this project at a lower cost per mile than planned.
- As shown on page 25, the number of leaks in 2020 continue to show the trend downwards in the number of leaks. This trend further validates the effectiveness of these critical infrastructure upgrades.

**3. High Level Program Status**



Neighborhood Replacement Program – Projects that Peoples Gas ranks, designs, and constructs based on the most at risk system components identified by the company's neighborhood ranking tool.

**4A. Neighborhood Program Performance**

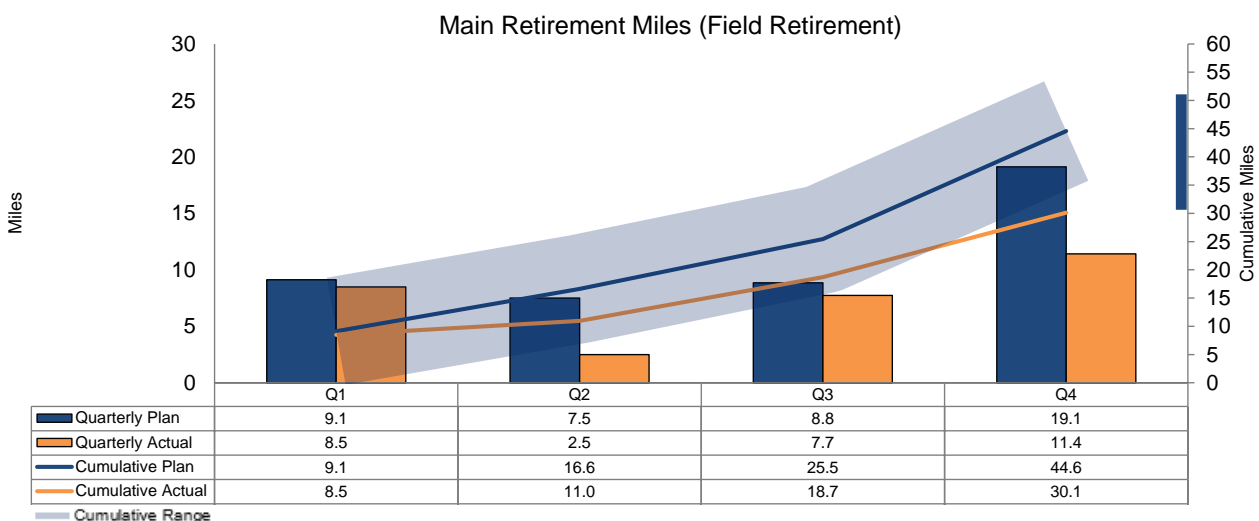
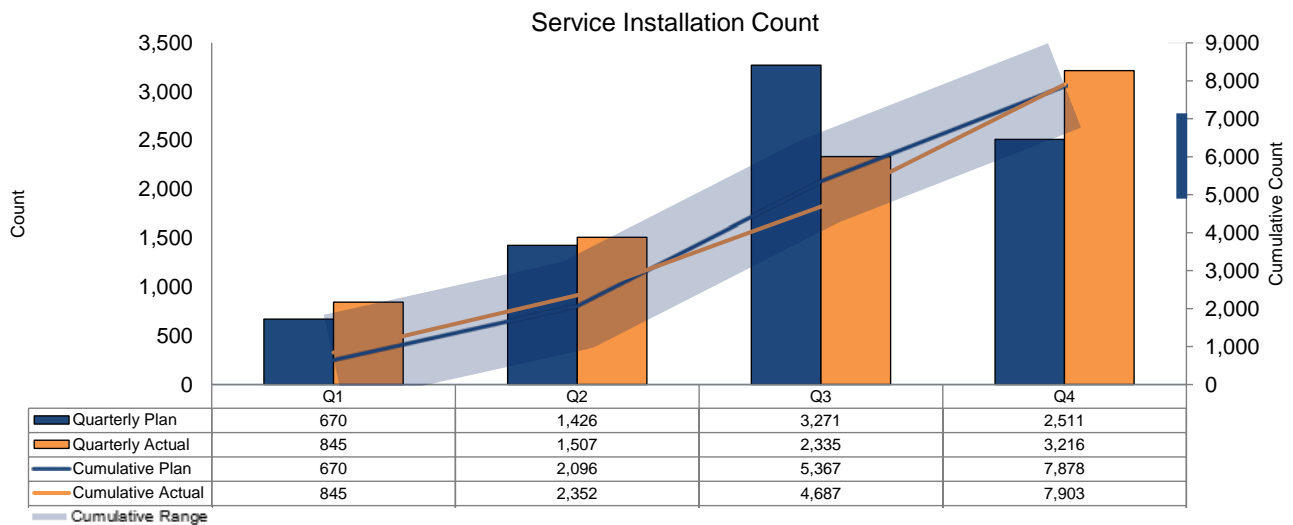
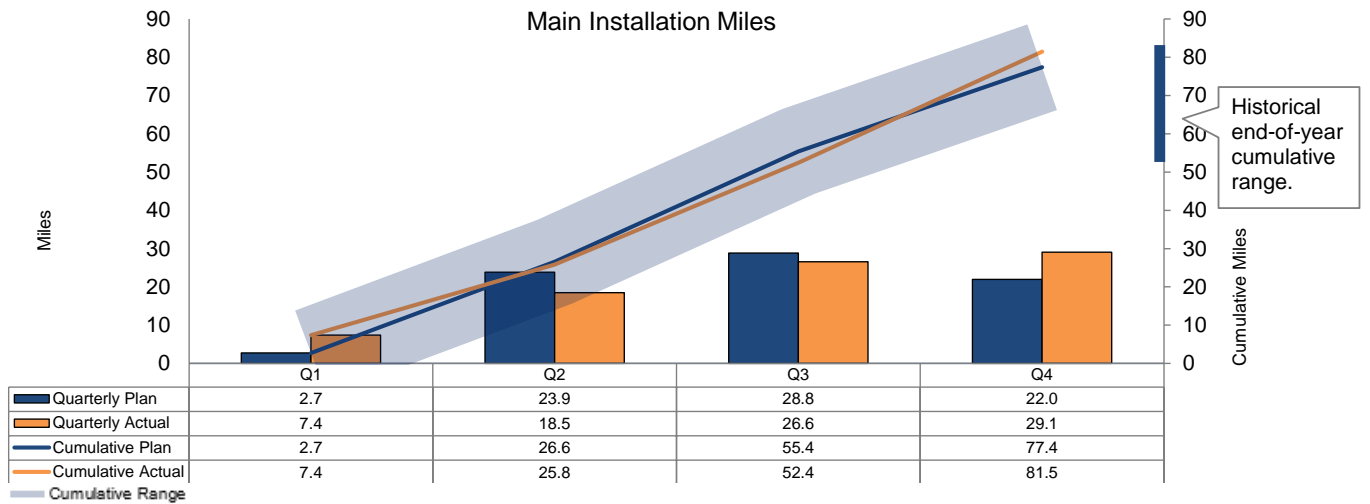


**Year-to-Date Numbers**

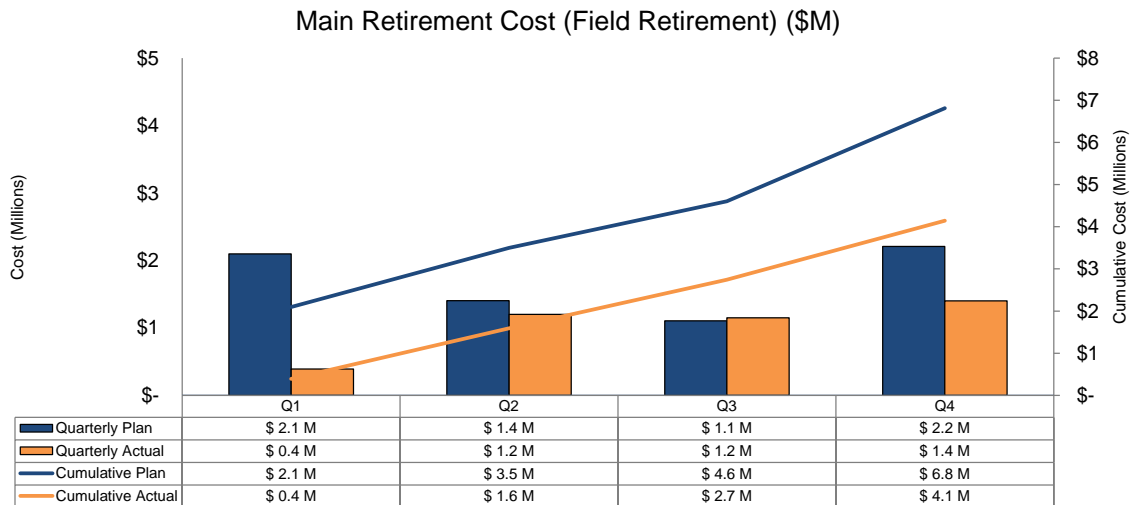
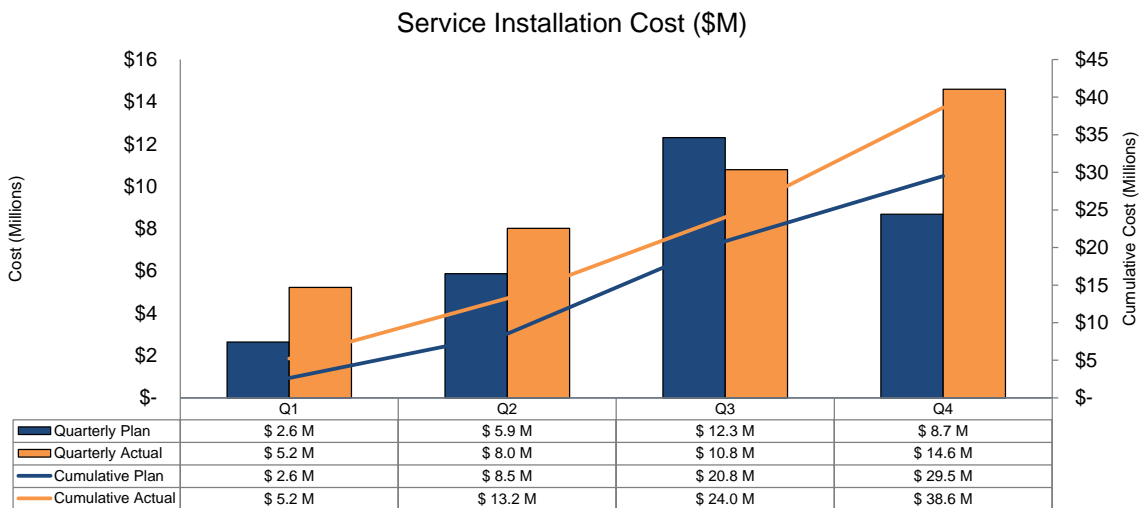
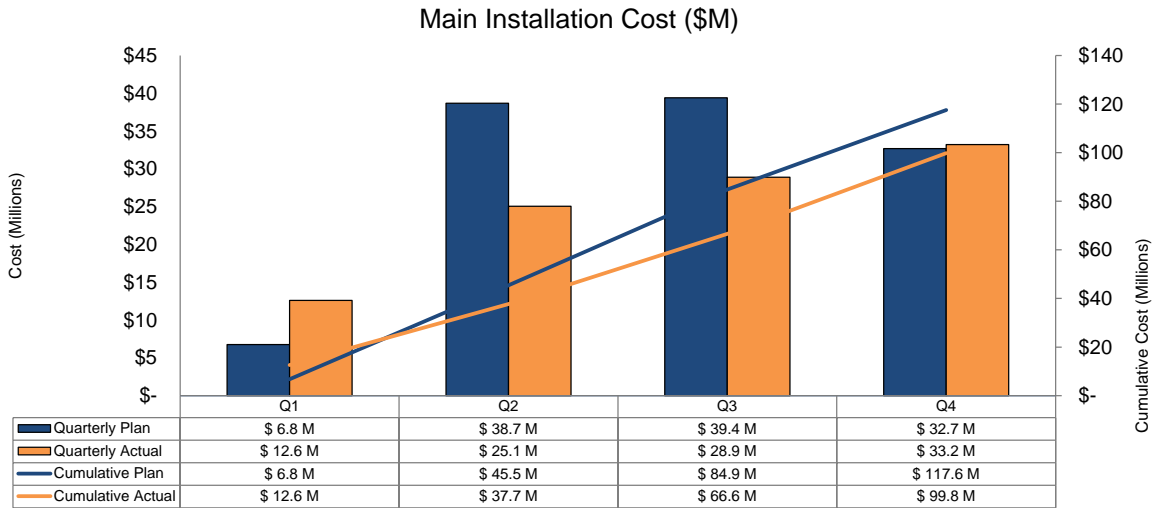
	Cumulative Planned			Cumulative Actual		
	Cost (A)	Unit (B)	Cost/Unit (C=A/B)	Cost (D)	Unit (E)	Cost/Unit (F=D/E)
<b>Main Install</b>	\$ 117.6 M	77.4	\$1.5 M / install mile	\$ 99.8 M	81.5	\$1.2 M / install mile
<b>Main Retirement</b>	\$ 6.8 M	44.6	\$0.2 M / retire mile	\$ 4.1 M	30.1	\$0.1 M / retire mile
<b>Service Replacement</b>	\$ 29.5 M	7,878	\$3,745 / service	\$ 38.6 M	7,903	\$4,887 / service
<b>Meter Moves (allocation)</b>	\$ 30.0 M	10,234	\$2,936 / meter	\$ 20.7 M	9,500	\$2,178 / meter
<b>TOTAL</b>	<b>\$ 183.9 M</b>	<b>77.4</b>	<b>\$2.4 M / install mile</b>	<b>\$ 163.3 M</b>	<b>81.5</b>	<b>\$2.0 M / install mile</b>



### 4B. Neighborhood - Quantity Graphs

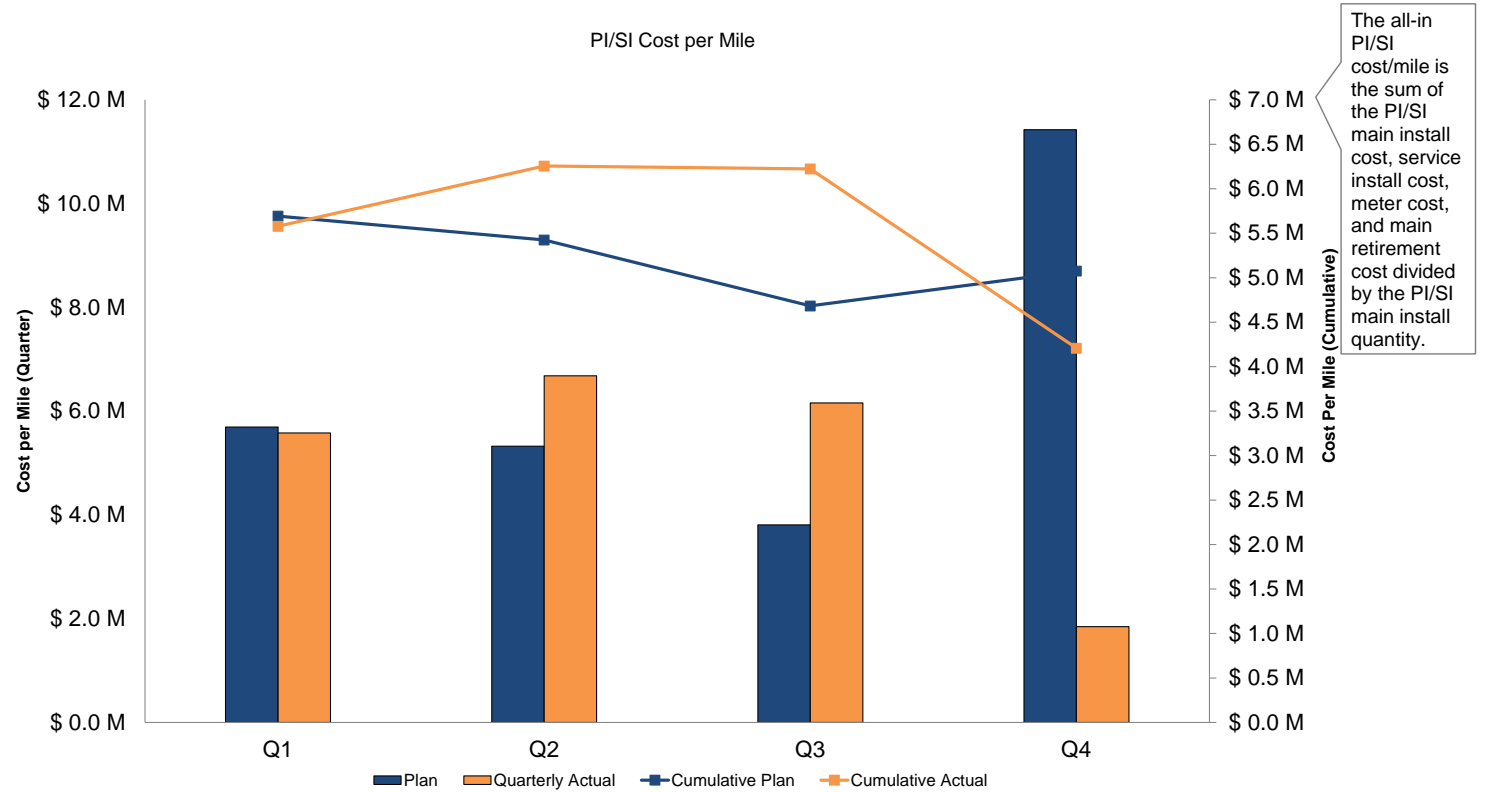


### 4C. Neighborhood - Cost Graphs



Public Improvement/System Improvement (PI/SI) - Projects similar to the Neighborhood Replacement Program, but other factors require the upgrade or relocation of existing vulnerable material - Peoples Gas is responding to a third party request to relocate or replace facilities due to conflicts with the third party or addressing capacity or reliability concerns.

### 5A. Public Improvement / System Improvement Program Performance

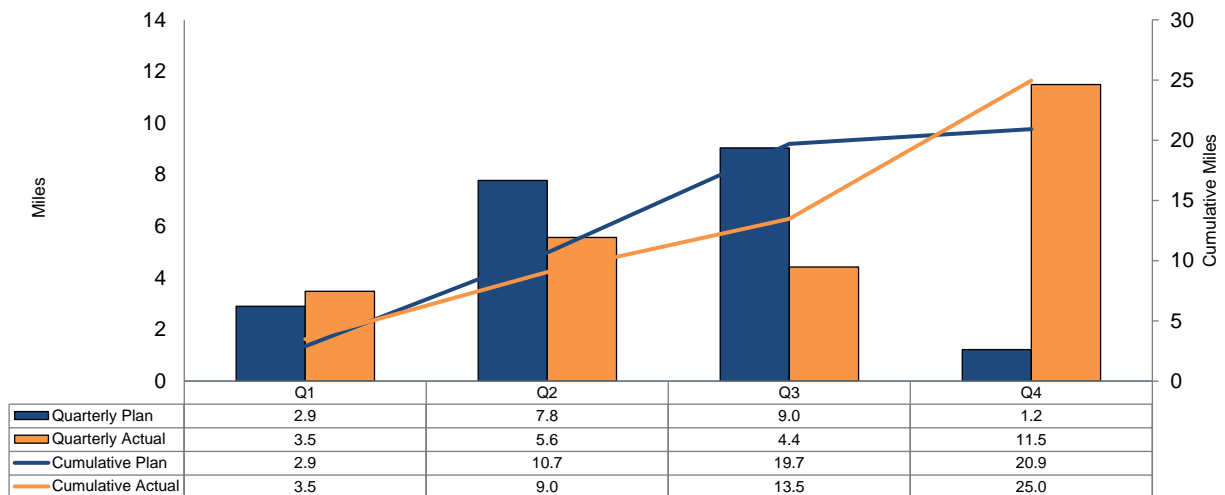


#### Year-to-Date Numbers

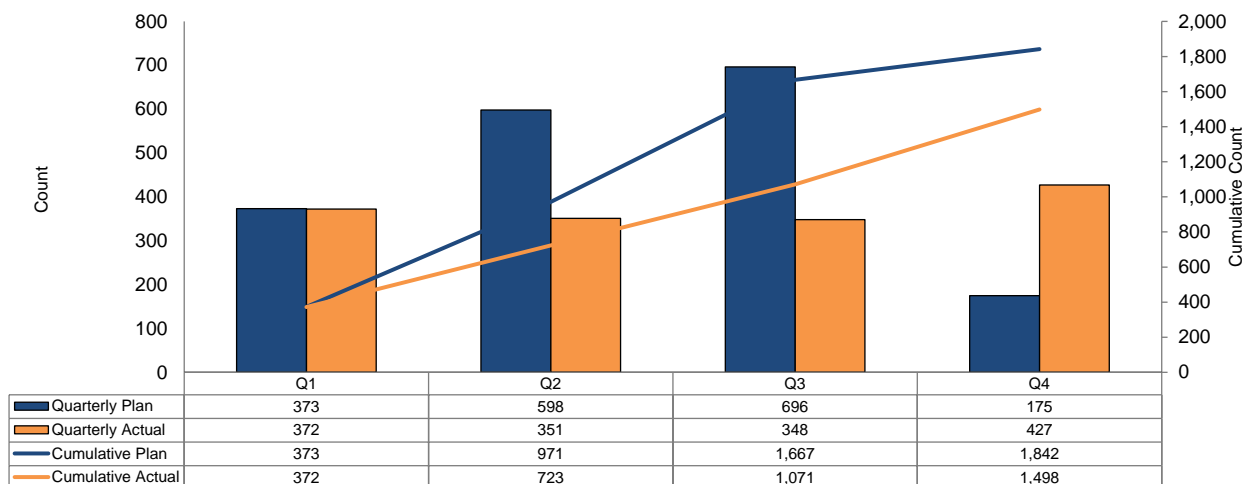
	Cumulative Planned			Cumulative Actual		
	Cost (A)	Unit (B)	Cost/Unit (C=A/B)	Cost (D)	Unit (E)	Cost/Unit (F=D/E)
<b>Main Install</b>	\$ 77.1 M	20.9	\$3.7 M / install mile	\$ 82.7 M	25.0	\$3.3 M / install mile
<b>Main Retirement</b>	\$ 9.5 M	25.4	\$0.4 M / retire mile	\$ 4.7 M	21.2	\$0.2 M / retire mile
<b>Service Replacement</b>	\$ 13.2 M	1,842	\$7,186 / service	\$ 10.7 M	1,498	\$7,154 / service
<b>Meter Moves (allocation)</b>	\$ 6.4 M	3,348	\$1,905 / meter	\$ 6.9 M	3,032	\$2,289 / meter
<b>TOTAL</b>	<b>\$ 106.2 M</b>	<b>20.9</b>	<b>\$5.1 M / install mile</b>	<b>\$ 105.0 M</b>	<b>25.0</b>	<b>\$4.2 M / install mile</b>

### 5B. Public Improvement / System Improvement - Quantity Graphs

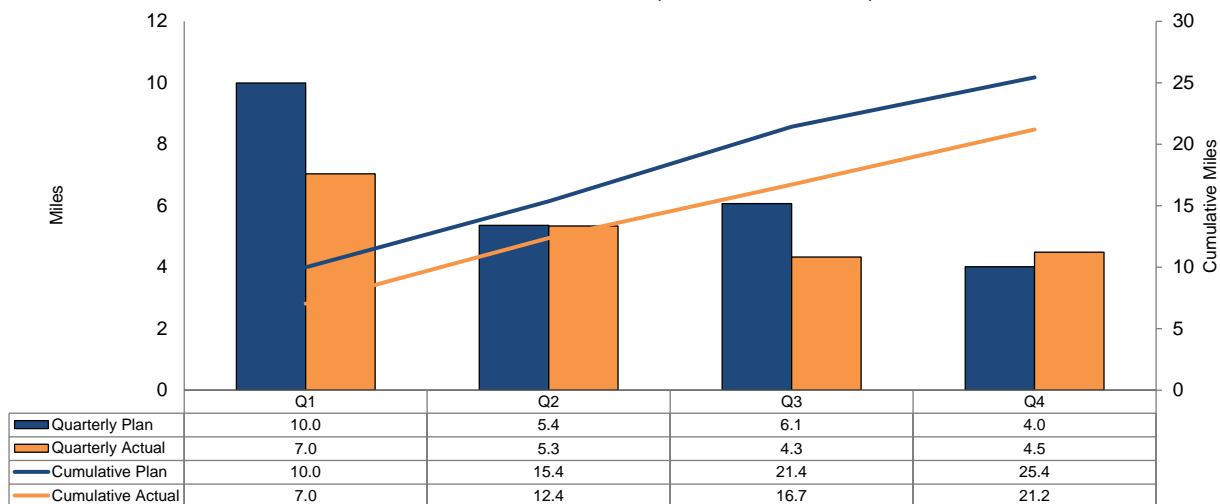
Main Installation Miles



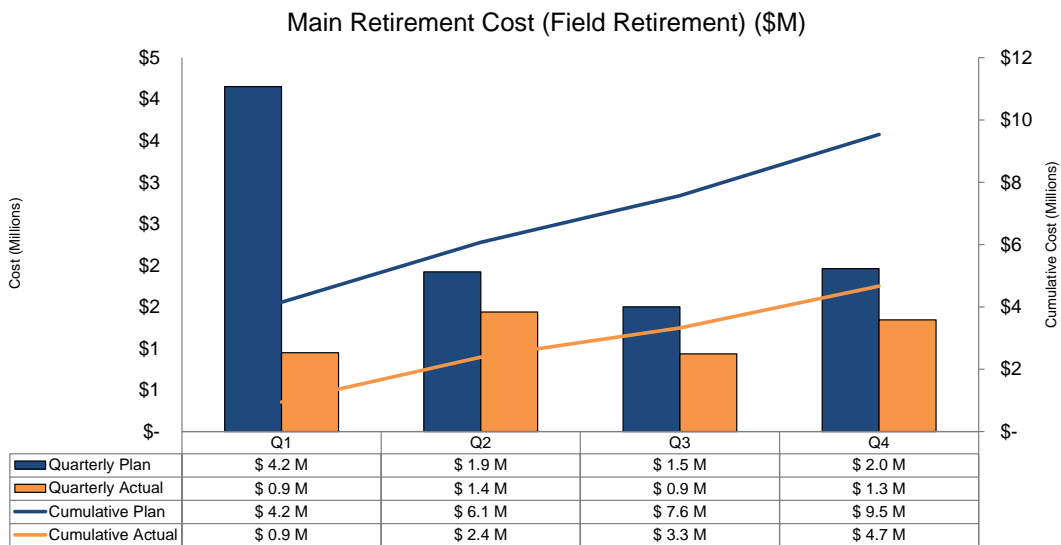
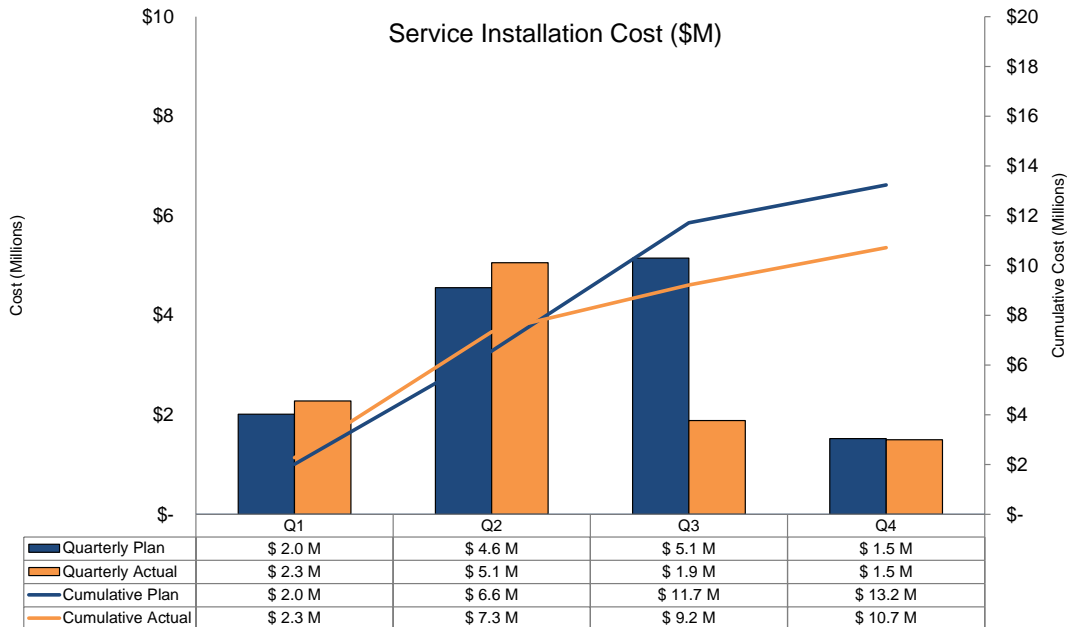
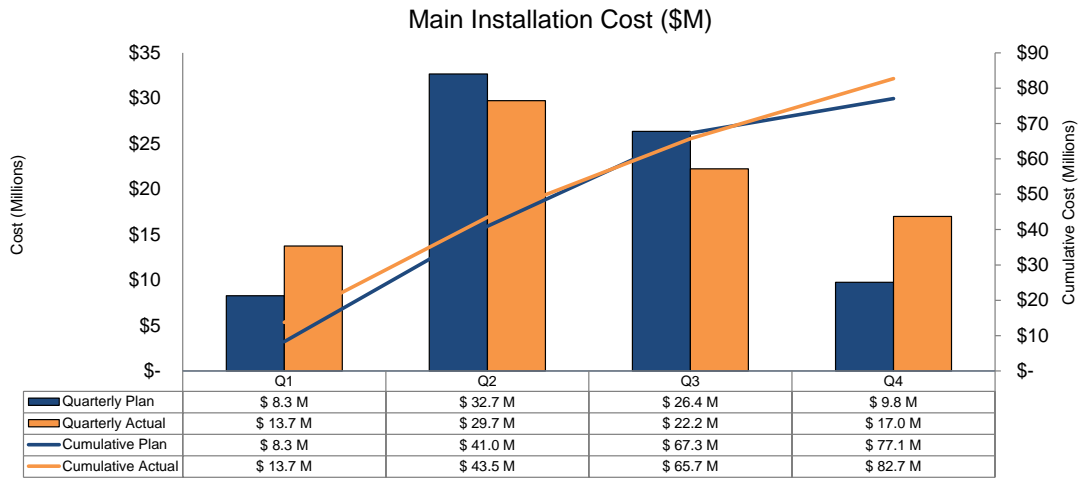
Service Installation Count



Main Retirement Miles (Field Retirement)

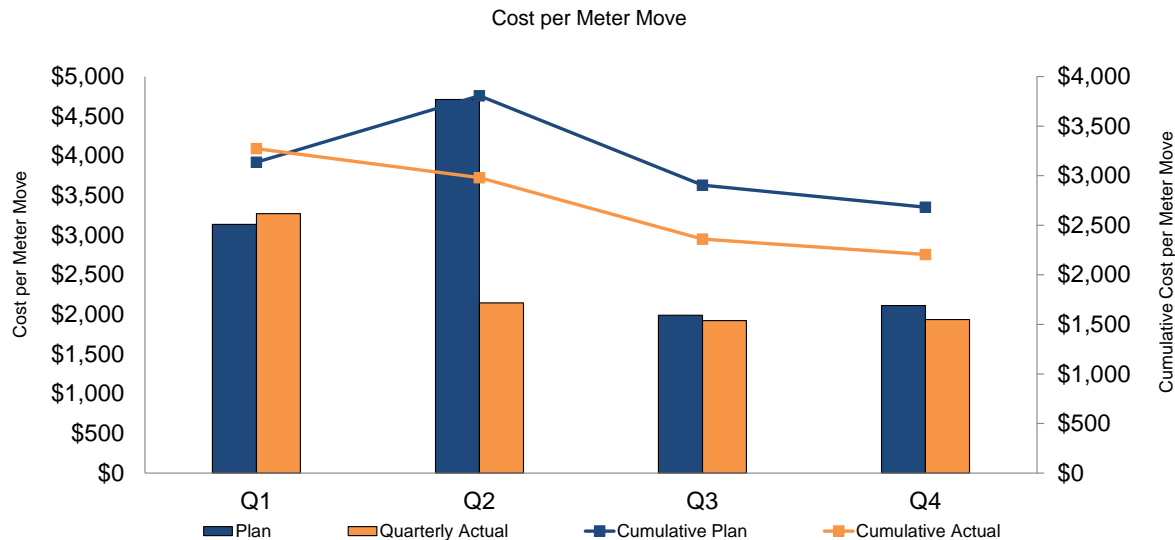


**5C. Public Improvement / System Improvement - Cost Graphs**



Meter Moves – Costs associated with moving customer meters as part of the system modernization program.

### 6A. Meter Moves Program Performance

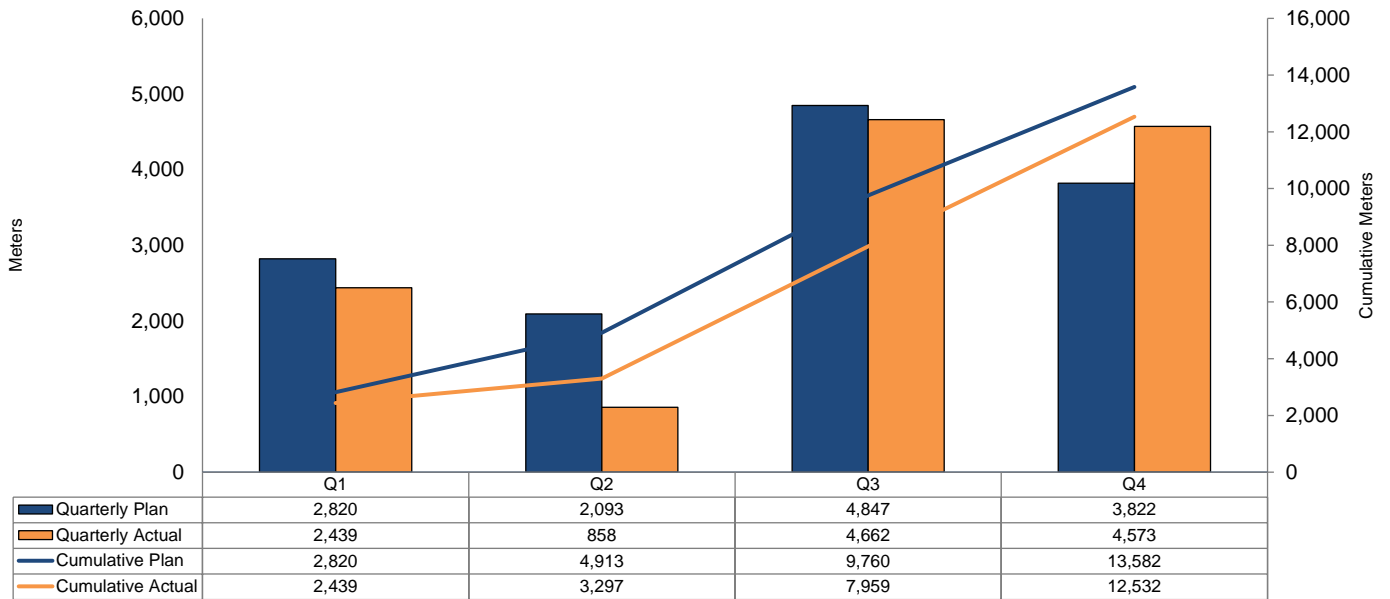


#### Year-to-Date Numbers

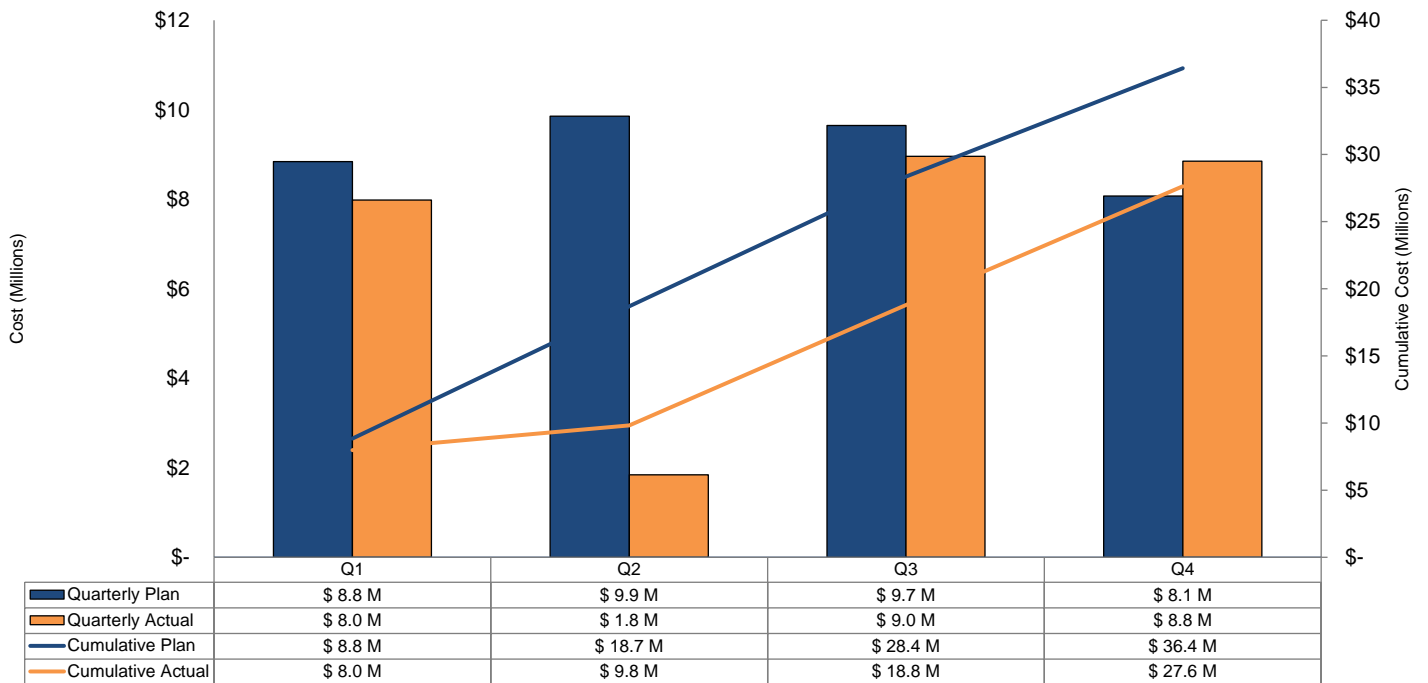
	Cumulative Planned			Cumulative Actual		
	Cost (A)	Unit (B)	Cost/Unit (C=A/B)	Cost (D)	Unit (E)	Cost/Unit (F=D/E)
<b>Meter Moves (allocation)</b>	\$ 36.4 M	13,582	\$2,682 / meter	\$ 27.6 M	12,532	\$2,205 / meter

**6B. Meter Move Quantity and Cost**

Meter Quantity

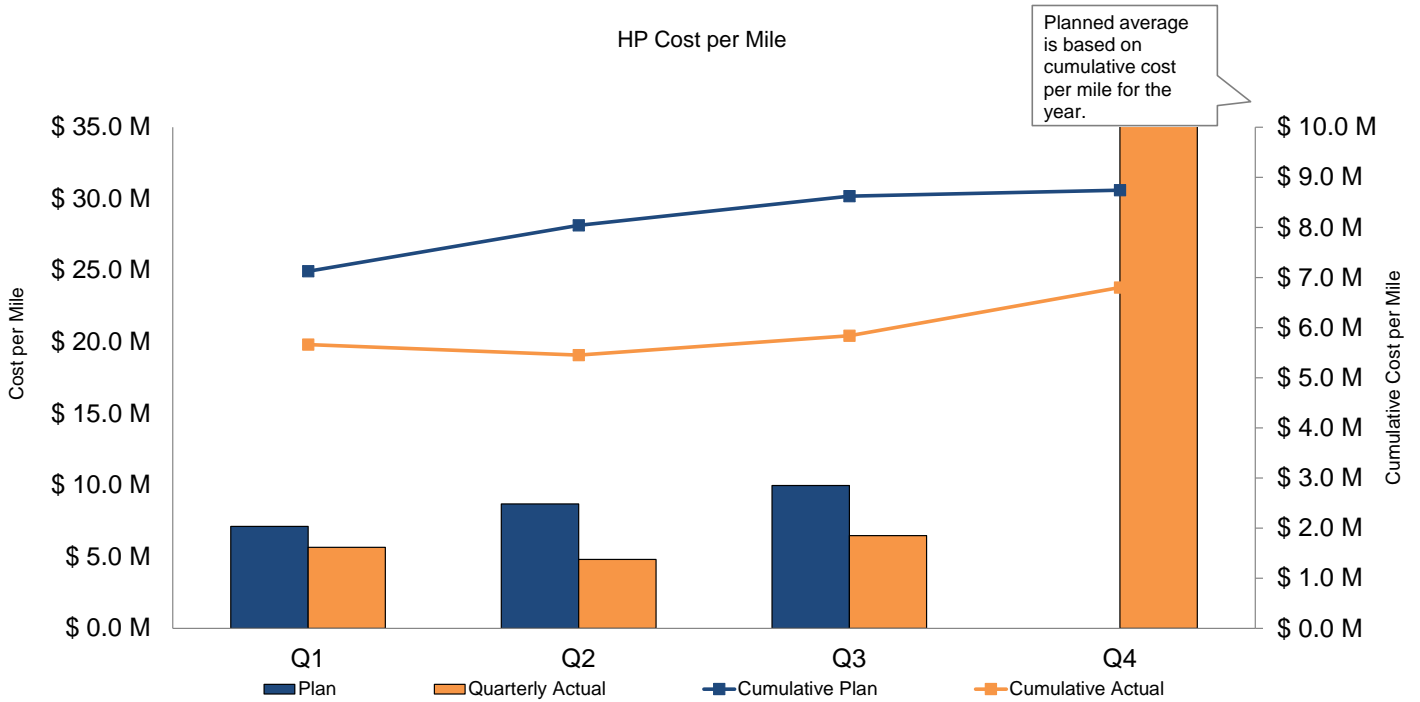


Meter Cost (\$M)



High Pressure (HP) - Projects that support upgrading the system from Low Pressure to Medium Pressure as well as projects establishing records and maximum allowable operating pressures.

**7A. HP Program Performance**



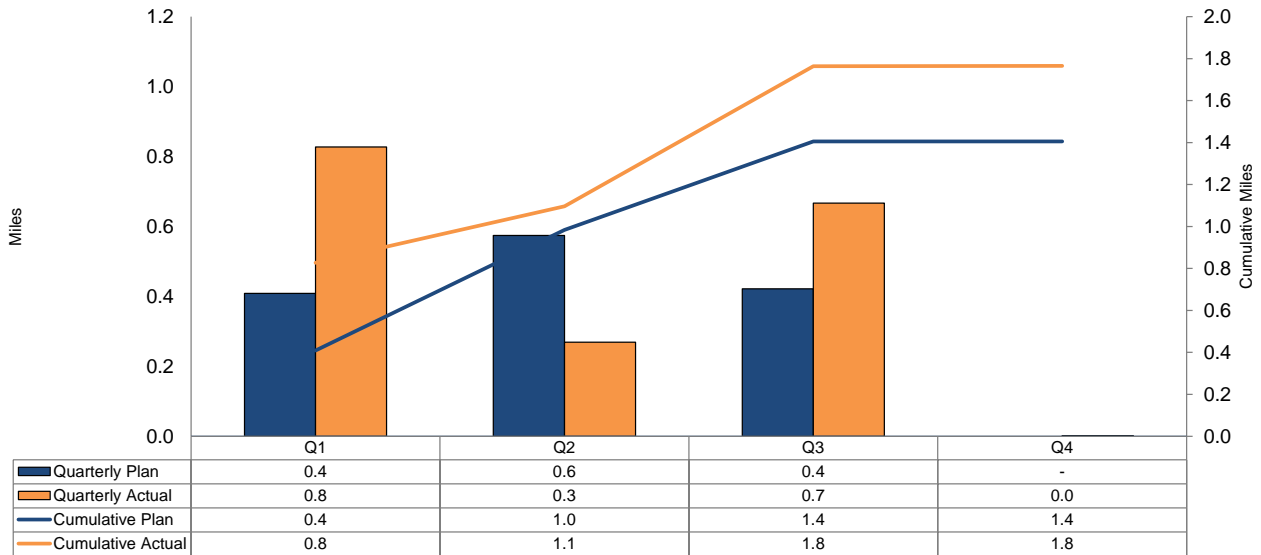
**Year-to-Date Numbers**

	Cumulative Planned			Cumulative Actual		
	Cost (A)	Unit (B)	Cost/Unit (C=A/B)	Cost (D)	Unit (E)	Cost/Unit (F=D/E)
<b>Main Install</b>	\$ 12.3 M	1.41	\$8.7 M / install mile	\$ 12.0 M	1.77	\$6.8 M / install mile

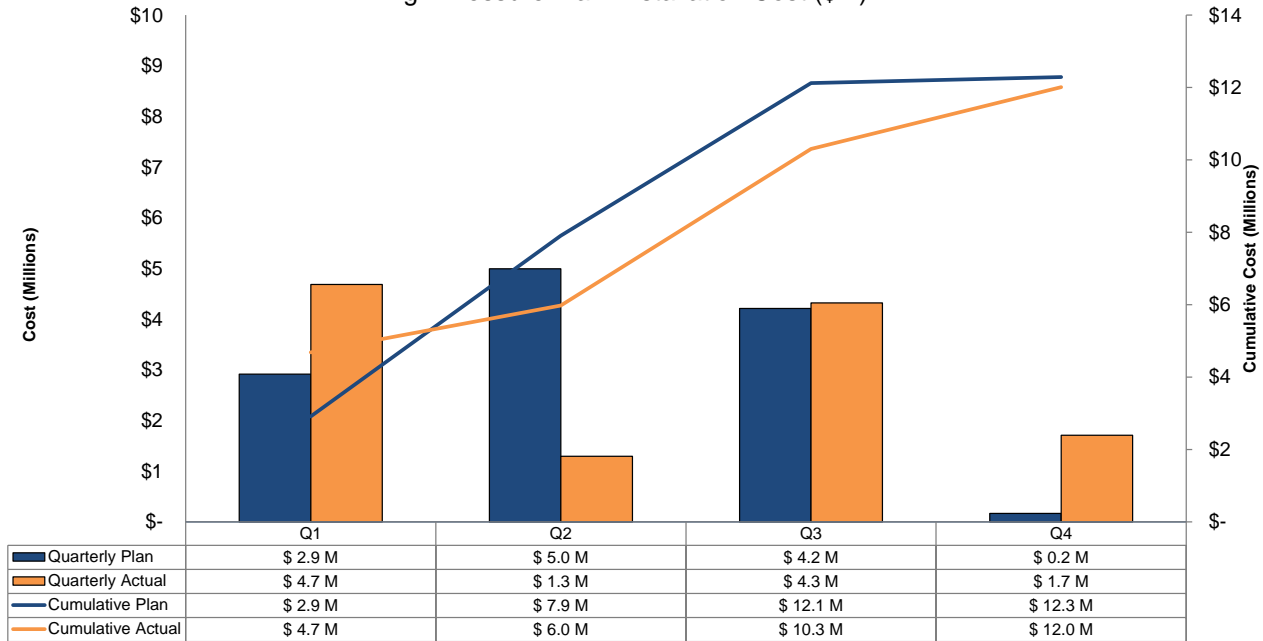


**7B. High Pressure Main Installation**

High Pressure Main Installation Quantity



High Pressure Main Installation Cost (\$M)



# Peoples Gas - System Modernization Program *Quarterly Report*

Prepared for the Illinois Commerce Commission - Quarter ending December 31, 2020

## 8A. Disconnection Metrics

### A.1. Number of Disconnections per month<sup>(2)</sup>

	2020-01	2020-02	2020-03	2020-04	2020-05	2020-06	2020-07	2020-08	2020-09	2020-10	2020-11	2020-12	YTD Total
Res Heating -Low Income <sup>(1)</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-
Res Heating -Not-Low Income <sup>(1)</sup>	-	-	-	-	-	-	-	-	-	357	545	-	902
Res Non-Heating	-	-	-	-	-	-	-	-	-	15	15	-	30
Non Residential	29	44	31	-	-	-	-	-	387	491	184	280	1,446
<b>Total</b>	<b>29</b>	<b>44</b>	<b>31</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>387</b>	<b>863</b>	<b>744</b>	<b>280</b>	<b>2,378</b>

### A.2. Percentage of Disconnections per month

	2020-01	2020-02	2020-03	2020-04	2020-05	2020-06	2020-07	2020-08	2020-09	2020-10	2020-11	2020-12	YTD Total
Res Heating -Low Income <sup>(1)</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-
Res Heating -Not-Low Income <sup>(1)</sup>	-	-	-	-	-	-	-	-	-	0.0444%	0.0678%	-	0.1121%
Res Non-Heating	-	-	-	-	-	-	-	-	-	0.0019%	0.0019%	-	0.0037%
Non-Residential	0.0323%	0.0491%	0.0346%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.4315%	0.5474%	0.2051%	0.3122%	1.6122%

### A.3. Number of Accounts Eligible for Disconnection<sup>(3)(4)</sup>

	2020-01	2020-02	2020-03	2020-04	2020-05	2020-06	2020-07	2020-08	2020-09	2020-10	2020-11	2020-12	YTD Total
Res Heating -Low Income <sup>(1)</sup>	-	-	-	-	-	-	-	72	1	507	193	-	773
Res Heating -Not-Low Income <sup>(1)</sup>	-	-	-	-	-	-	-	1,378	8	10,482	4,904	-	16,772
Res Non-Heating	-	-	-	-	-	-	-	35	1	551	384	-	971
Non Residential	4,144	4,239	2,166	-	-	-	-	480	4,645	4,374	2,829	3,322	26,199
<b>Total</b>	<b>4,144</b>	<b>4,239</b>	<b>2,166</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1,965</b>	<b>4,655</b>	<b>15,914</b>	<b>8,310</b>	<b>3,322</b>	<b>44,715</b>

### A.4. Number of Reconnections per month

	2020-01	2020-02	2020-03	2020-04	2020-05	2020-06	2020-07	2020-08	2020-09	2020-10	2020-11	2020-12	YTD Total
Res Heating -Low Income <sup>(1)</sup>	46	15	9	11	7	1	19	6	3	8	31	12	168
Res Heating -Not-Low Income <sup>(1)</sup>	151	56	47	51	24	16	100	33	19	48	180	73	798
Res Non-Heating	2	5	9	10	4	5	47	10	6	2	2	2	104
Non Residential	29	26	22	8	4	1	1	1	28	177	152	183	632
<b>Total</b>	<b>228</b>	<b>102</b>	<b>87</b>	<b>80</b>	<b>39</b>	<b>23</b>	<b>167</b>	<b>50</b>	<b>56</b>	<b>235</b>	<b>365</b>	<b>270</b>	<b>1,702</b>

Notes:

<sup>(1)</sup>Low Income is defined as accounts that received LIHEAP funding in the current program year which runs September through August.

<sup>(2)</sup>The Public Health Emergency moratorium had minimal impact on the 2020Q1 disconnection metrics; however, the PHE moratorium resulted in zero disconnections April through August 2020.

<sup>(3)</sup>Number of Accounts Eligible for Disconnection reflects the number of disconnection notices sent each month. Summing the monthly numbers reflects the number of notices sent year-to-date, but not the number of accounts eligible during that same period. An account may receive more than one notice during a multi-month period.

<sup>(4)</sup>Disconnection notices were halted in mid-March due to the Public Health Emergency moratorium. Letters were sent to residential accounts in August and September prior to the extension of the moratorium.

## Peoples Gas - System Modernization Program *Quarterly Report*

Prepared for the Illinois Commerce Commission - Quarter ending December 31, 2020

### 8B. Uncollectibles Metrics

#### B.1. Dollar Amount of Uncollectibles<sup>(2)</sup>

	2020-01	2020-02	2020-03	2020-04	2020-05	2020-06	2020-07	2020-08	2020-09	2020-10	2020-11	2020-12	YTD Total
S.C. 1 Heating - Low Income <sup>(1)</sup>	\$ 38,511.51	\$ 25,673.15	\$ 16,010.44	\$ (3,100.52)	\$ 35,105.33	\$ 22,987.77	\$ 6,245.04	\$ 32,112.97	\$ 74,900.55	\$ 11,832.07	\$ 25,804.35	\$ 5,477.71	\$ 291,560.37
S.C. 1 Heating - Not Low Income <sup>(1)</sup>	\$ 8,201,313.82	\$ 6,979,172.80	\$ 6,744,515.14	\$ 5,582,468.72	\$ 3,643,115.23	\$ 1,915,734.04	\$ 947,892.75	\$ 1,068,051.35	\$ 1,094,253.43	\$ 141,404.23	\$ (196,150.81)	\$ (419,034.66)	\$ 35,702,736.04
S.C. 1 Non-Heating	\$ 234,279.64	\$ 245,858.07	\$ 318,371.96	\$ 383,683.55	\$ 265,042.26	\$ 138,218.19	\$ 70,319.95	\$ 80,202.11	\$ 122,559.43	\$ (1,310.01)	\$ (9,926.77)	\$ (33,161.29)	\$ 1,814,137.09
S.C. 2	\$ 1,414,933.66	\$ 666,671.39	\$ 922,727.49	\$ 695,393.15	\$ 533,326.81	\$ 364,049.91	\$ 103,033.94	\$ 660,126.74	\$ 278,093.22	\$ 45,809.79	\$ 27,931.33	\$ 8,524.95	\$ 5,720,622.38
S.C. 4	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,104.11	\$ 681,794.26	\$ -	\$ -	\$ -	\$ 685,898.37
S.C. 8	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 13.25	\$ -	\$ -	\$ 13.25
<b>Total</b>	<b>\$ 9,889,038.63</b>	<b>\$ 7,917,375.41</b>	<b>\$ 8,001,625.03</b>	<b>\$ 6,658,444.90</b>	<b>\$ 4,476,589.63</b>	<b>\$ 2,440,989.91</b>	<b>\$ 1,127,491.68</b>	<b>\$ 1,844,597.28</b>	<b>\$ 2,251,600.89</b>	<b>\$ 197,749.33</b>	<b>\$ (152,341.90)</b>	<b>\$ (438,193.29)</b>	<b>\$ 44,214,967.50</b>

Notes:

<sup>(1)</sup>Low Income is defined as accounts that received LIHEAP funding in the current program year which runs

September through August.

<sup>(2)</sup>Uncollectibles is defined as net write offs (write offs less recoveries); Uncollectibles declined in the last half of 2020 due to the PHE moratorium on disconnections earlier in the year.

Peoples Gas - System Modernization Program *Quarterly Report*

Prepared for the Illinois Commerce Commission - Quarter ending December 31, 2020

**8C. Bill Impact Metrics - October 2020**

Line No.	Service Classification [A]	Therm Sales <sup>(1)</sup> [B]	Number of Customers <sup>(2)</sup> [C]	Average monthly usage per service classification [D] = [B] / [C]	Base Rate Charges <sup>(3)</sup> [E]	Rider QIP Charges <sup>(4)</sup> [F]	Gas Charges <sup>(5)</sup> [G]	Other Rider Charges <sup>(6)</sup> [H]	Other State Charges <sup>(7)</sup> [I]	State and Municipal Taxes <sup>(8)</sup> [J]	Total [K] Sum of col. [E]-[J]
<b>1</b>	<b>Sales</b>										
2	S. C. 1 Non-Htg	815,081	94,307	9	\$ 1,687,010	\$ 446,153	\$ 199,227	\$ 46,113	\$ 52,727	\$ 213,660	\$ 2,644,890
3	S. C. 1 Heating	40,876,059	652,611	63	\$ 30,586,075	\$ 8,105,323	\$ 9,898,141	\$ 1,882,989	\$ 368,370	\$ 5,124,097	\$ 55,964,996
4	S. C. 2	16,063,764	60,358	266	6,466,639	1,676,637	3,914,611	544,461	312,361	1,408,315	14,323,023
5	S. C. 4	69,897	6	11,650	32,953	8,614	17,318	2,003	44	7,334	68,266
6	S. C. 5 / 7	-	-	-	-	-	-	-	-	-	-
7	S. C. 8	(2,749)	1	(2,749)	(5,644)	(1,170)	(766)	(25)	8	138	(7,459)
<b>8</b>	<b>Total Sales</b>	<b>57,822,052</b>	<b>807,283</b>		<b>\$ 38,767,034</b>	<b>\$ 10,235,558</b>	<b>\$ 14,028,531</b>	<b>\$ 2,475,541</b>	<b>\$ 733,510</b>	<b>\$ 6,753,544</b>	<b>\$ 72,993,717</b>
<b>9</b>	<b>Transportation</b>										
10	S. C. 1 Non-Htg	60,572	7,407	8	139,062	36,827	1,207	2,731	4,413	20,635	204,874
11	S. C. 1 Heating	2,551,257	37,981	67	1,815,249	481,671	89,377	97,050	22,716	429,598	2,935,660
12	S. C. 2	26,957,452	17,029	1,583	5,979,472	1,574,497	705,491	713,066	94,382	2,956,522	12,023,431
13	S. C. 4	18,965,707	165	114,944	2,489,935	655,226	175,786	338,566	4,189	1,320,022	4,983,724
14	S. C. 5 / 7	1,615,387	2	807,694	126,628	-	-	12,160	447	19,543	158,779
15	S. C. 8	44,825	3	14,942	6,848	1,750	859	914	17	4,618	15,005
16	Contract and Pool	-	-	-	90,953	12,676	43,012	-	-	4,620	151,261
<b>17</b>	<b>Total Transportation</b>	<b>50,195,199</b>	<b>62,587</b>		<b>\$ 10,648,148</b>	<b>\$ 2,762,645</b>	<b>\$ 1,015,732</b>	<b>\$ 1,164,486</b>	<b>\$ 126,164</b>	<b>\$ 4,755,559</b>	<b>\$ 20,472,735</b>
<b>18</b>	<b>Sales and Transportation</b>										
19	S. C. 1 Non-Htg	875,653	101,714	9	1,826,073	482,980	200,434	48,844	57,140	234,295	2,849,764
20	S. C. 1 Heating	43,427,316	690,592	63	32,401,324	8,586,994	9,987,518	1,980,039	391,086	5,553,696	58,900,657
21	S. C. 2	43,021,216	77,387	556	12,446,110	3,251,134	4,620,102	1,257,527	406,743	4,364,837	26,346,454
22	S. C. 4	19,035,604	171	111,319	2,522,888	663,840	193,103	340,568	4,233	1,327,356	5,051,990
23	S. C. 5 / 7	1,615,387	2	807,694	126,628	-	-	12,160	447	19,543	158,779
24	S. C. 8	42,077	4	10,519	1,204	580	93	889	25	4,756	7,546
25	Contract and Pool	-	-	-	90,953	12,676	43,012	-	-	4,620	151,261
<b>26</b>	<b>Total Sales and Transportation</b>	<b>108,017,252</b>	<b>869,870</b>		<b>\$ 49,415,182</b>	<b>\$ 12,998,203</b>	<b>\$ 15,044,263</b>	<b>\$ 3,640,027</b>	<b>\$ 859,675</b>	<b>\$ 11,509,103</b>	<b>\$ 93,466,452</b>
<b>27</b>	<b>Add: Other Revenues <sup>(9)</sup></b>										<b>\$ 6,779,869</b>
<b>28</b>	<b>Operating Revenues plus State and Municipalities Taxes and Other State Charges (line 26 + line 27)</b>										<b>\$ 100,246,320</b>

\* There may be differences due to rounding.

- Notes: (1) Excludes Company Use of 461,750 therms.  
 (2) Number of customers at October 16, 2020.  
 (3) Base Rate charges in effect and include Rider UEA, Rider VBA, Rider SSC, Rider ICTA and Rider VITA.  
 (4) Rider QIP charges  
 (5) Gas charge and refund adjustments.  
 (6) Charges under Rider UEA-Gas Cost, Rider 11 and Rider EOA.  
 (7) Additional state charges under Rider 1.  
 (8) Additional charge for state and municipal utility taxes under Rider 1.  
 (9) Other revenues consist of amounts in ICC Account 487, 488, 489.3, 493 and 495.

Peoples Gas - System Modernization Program *Quarterly Report*

Prepared for the Illinois Commerce Commission - Quarter ending December 31, 2020

8C. Bill Impact Metrics - November 2020

Line No.	Service Classification [A]	Therm Sales <sup>(1)</sup> [B]	Number of Customers <sup>(2)</sup> [C]	Average monthly usage per service classification [D] = [B] / [C]	Base Rate Charges <sup>(3)</sup> [E]	Rider QIP Charges <sup>(4)</sup> [F]	Gas Charges <sup>(5)</sup> [G]	Other Rider Charges <sup>(6)</sup> [H]	Other State Charges <sup>(7)</sup> [I]	State and Municipal Taxes <sup>(8)</sup> [J]	Total [K] Sum of col. [E]-[J]
<b>1</b>	<b>Sales</b>										
2	S. C. 1 Non-Htg	787,807	94,882	8	\$ 1,679,566	\$ 364,466	\$ 227,230	\$ 45,582	\$ 51,987	\$ 222,354	\$ 2,591,186
3	S. C. 1 Heating	56,594,141	656,538	86	\$ 32,016,368	\$ 6,957,942	\$ 15,778,178	\$ 2,405,833	\$ 348,597	\$ 6,173,426	\$ 63,680,344
4	S. C. 2	26,679,976	60,881	438	8,936,445	1,989,045	7,432,035	881,126	373,505	2,317,701	21,929,857
5	S. C. 4	91,745	8	11,468	16,241	1,401	31,252	2,135	18	12,524	63,570
6	S. C. 5 / 7	-	-	-	-	-	-	-	-	-	-
7	S. C. 8	(813)	1	(813)	60	(2)	(173)	17	6	(14)	(105)
<b>8</b>	<b>Total Sales</b>	<b>84,152,858</b>	<b>812,310</b>		<b>\$ 42,648,680</b>	<b>\$ 9,312,853</b>	<b>\$ 23,468,522</b>	<b>\$ 3,334,693</b>	<b>\$ 774,113</b>	<b>\$ 8,725,990</b>	<b>\$ 88,264,851</b>
<b>9</b>	<b>Transportation</b>										
10	S. C. 1 Non-Htg	55,261	7,222	8	116,067	24,679	1,205	2,438	3,596	16,748	164,732
11	S. C. 1 Heating	3,357,759	37,293	90	1,710,983	367,587	93,005	114,090	19,171	476,932	2,781,767
12	S. C. 2	33,300,596	16,979	1,961	6,384,074	1,367,381	817,590	883,600	95,403	3,269,904	12,817,952
13	S. C. 4	16,644,566	165	100,876	2,293,172	485,683	209,846	306,700	4,169	1,328,943	4,628,513
14	S. C. 5 / 7	2,114,528	2	1,057,264	129,494	-	-	16,070	433	19,483	165,480
15	S. C. 8	67,996	3	22,665	9,686	2,093	1,040	1,347	17	6,880	21,063
16	Contract and Pool	-	-	-	53,107	(1,283)	331,815	-	-	24,436	408,074
<b>17</b>	<b>Total Transportation</b>	<b>55,540,705</b>	<b>61,664</b>		<b>\$ 10,696,582</b>	<b>\$ 2,246,140</b>	<b>\$ 1,454,501</b>	<b>\$ 1,324,245</b>	<b>\$ 122,787</b>	<b>\$ 5,143,325</b>	<b>\$ 20,987,581</b>
<b>18</b>	<b>Sales and Transportation</b>										
19	S. C. 1 Non-Htg	843,068	102,104	8	1,795,632	389,145	228,436	48,020	55,583	239,102	2,755,918
20	S. C. 1 Heating	59,951,901	693,831	86	33,727,351	7,325,529	15,871,182	2,519,923	367,768	6,650,358	66,462,111
21	S. C. 2	59,980,573	77,860	770	15,320,519	3,356,426	8,249,625	1,764,726	468,908	5,587,605	34,747,808
22	S. C. 4	16,736,311	173	96,742	2,309,413	487,084	241,098	308,835	4,186	1,341,467	4,692,083
23	S. C. 5 / 7	2,114,528	2	1,057,264	129,494	-	-	16,070	433	19,483	165,480
24	S. C. 8	67,183	4	16,796	9,746	2,091	867	1,364	22	6,866	20,957
25	Contract and Pool	-	-	-	53,107	(1,283)	331,815	-	-	24,436	408,074
<b>26</b>	<b>Total Sales and Transportation</b>	<b>139,693,563</b>	<b>873,974</b>		<b>\$ 53,345,262</b>	<b>\$ 11,558,993</b>	<b>\$ 24,923,024</b>	<b>\$ 4,658,938</b>	<b>\$ 896,900</b>	<b>\$ 13,869,315</b>	<b>\$ 109,252,432</b>
<b>27</b>	<b>Add: Other Revenues <sup>(9)</sup></b>										<b>\$ 15,964,821</b>
<b>28</b>	<b>Operating Revenues plus State and Municipalities Taxes and Other State Charges (line 26 + line 27)</b>										<b>\$ 125,217,253</b>

\* There may be differences due to rounding.

- Notes: (1) Excludes Company Use of 132,300 therms.  
 (2) Number of customers at November 18, 2020.  
 (3) Base Rate charges in effect and include Rider UEA, Rider VBA, Rider SSC, Rider ICTA and Rider VITA.  
 (4) Rider QIP charges  
 (5) Gas charge and refund adjustments.  
 (6) Charges under Rider UEA-Gas Cost, Rider 11 and Rider EOA.  
 (7) Additional state charges under Rider 1.  
 (8) Additional charge for state and municipal utility taxes under Rider 1.  
 (9) Other revenues consist of amounts in ICC Account 487, 488, 489.3, 493 and 495.

**Peoples Gas - System Modernization Program *Quarterly Report***

Prepared for the Illinois Commerce Commission - Quarter ending December 31, 2020

**8C. Bill Impact Metrics - December 2020**

Line No.	Service Classification [A]	Therm Sales <sup>(1)</sup> [B]	Number of Customers <sup>(2)</sup> [C]	Average monthly usage per service classification [D] = [B] / [C]	Base Rate Charges <sup>(3)</sup> [E]	Rider QIP Charges <sup>(4)</sup> [F]	Gas Charges <sup>(5)</sup> [G]	Other Rider Charges <sup>(6)</sup> [H]	Other State Charges <sup>(7)</sup> [I]	State and Municipal Taxes <sup>(8)</sup> [J]	Total [K]
											Sum of col. [E]-[J]
<b>1</b>	<b>Sales</b>										
2	S. C. 1 Non-Htg	1,445,159	95,424	15	\$ 1,754,833	\$ 320,961	\$ 389,435	\$ 72,805	\$ 54,140	\$ 246,984	2,839,158
3	S. C. 1 Heating	109,171,373	661,072	165	\$ 40,545,121	\$ 7,368,709	\$ 29,472,186	\$ 4,235,733	\$ 352,318	\$ 9,354,467	91,328,534
4	S. C. 2	42,860,963	61,227	700	10,688,192	1,936,614	11,537,824	1,381,080	332,886	3,169,835	29,046,430
5	S. C. 4	596,191	7	85,170	96,696	19,696	157,390	12,107	52	29,438	315,379
6	S. C. 5 / 7	-	-	-	-	-	-	-	-	-	-
7	S. C. 8	399	3	133	291	50	107	46	5	51	550
<b>8</b>	<b>Total Sales</b>	<b>154,074,085</b>	<b>817,733</b>		<b>\$ 53,085,132</b>	<b>\$ 9,646,030</b>	<b>\$ 41,556,942</b>	<b>\$ 5,701,770</b>	<b>\$ 739,401</b>	<b>\$ 12,800,775</b>	<b>123,530,051</b>
<b>9</b>	<b>Transportation</b>										
10	S. C. 1 Non-Htg	78,846	7,011	11	123,548	22,069	1,240	3,194	3,977	19,523	173,550
11	S. C. 1 Heating	6,446,300	36,559	176	2,150,217	388,029	92,366	197,715	20,289	792,493	3,641,109
12	S. C. 2	55,388,936	16,937	3,270	8,327,968	1,495,999	826,532	1,505,990	93,912	4,818,759	17,069,159
13	S. C. 4	25,046,464	166	150,882	2,929,254	527,353	200,363	474,623	4,180	1,879,934	6,015,708
14	S. C. 5 / 7	2,935,497	2	1,467,749	156,190	-	-	21,866	433	22,902	201,390
15	S. C. 8	48,340	3	16,113	7,273	1,224	1,045	1,061	17	4,947	15,567
16	Contract and Pool	-	-	-	74,560	7,935	29,285	-	-	(45,519)	66,261
<b>17</b>	<b>Total Transportation</b>	<b>89,944,384</b>	<b>60,678</b>		<b>\$ 13,769,010</b>	<b>\$ 2,442,609</b>	<b>\$ 1,150,832</b>	<b>\$ 2,204,449</b>	<b>\$ 122,807</b>	<b>\$ 7,493,039</b>	<b>27,182,745</b>
<b>18</b>	<b>Sales and Transportation</b>										
19	S. C. 1 Non-Htg	1,524,005	102,435	15	1,878,380	343,030	390,675	76,000	58,116	266,507	3,012,708
20	S. C. 1 Heating	115,617,673	697,631	166	42,695,338	7,756,738	29,564,552	4,433,447	372,607	10,146,960	94,969,643
21	S. C. 2	98,249,899	78,164	1,257	19,016,160	3,432,612	12,364,356	2,887,069	426,798	7,988,594	46,115,589
22	S. C. 4	25,642,655	173	148,223	3,025,950	547,050	357,753	486,730	4,232	1,909,372	6,331,087
23	S. C. 5 / 7	2,935,497	2	1,467,749	156,190	-	-	21,866	433	22,902	201,390
24	S. C. 8	48,739	6	8,123	7,564	1,274	1,152	1,107	22	4,999	16,118
25	Contract and Pool	-	-	-	74,560	7,935	29,285	-	-	(45,519)	66,261
<b>26</b>	<b>Total Sales and Transportation</b>	<b>244,018,469</b>	<b>878,411</b>		<b>\$ 66,854,142</b>	<b>\$ 12,088,639</b>	<b>\$ 42,707,774</b>	<b>\$ 7,906,219</b>	<b>\$ 862,208</b>	<b>\$ 20,293,813</b>	<b>150,712,795</b>
<b>27</b>	<b>Add: Other Revenues <sup>(9)</sup></b>										<b>\$ 10,750,643</b>
<b>28</b>	<b>Operating Revenues plus State and Municipalities Taxes and Other State Charges (line 26 + line 27)</b>										<b>\$ 161,463,438</b>

\* There may be differences due to rounding.

- Notes: (1) Excludes Company Use of 360,510 therms.  
 (2) Number of customers at December 16, 2020.  
 (3) Base Rate charges in effect and include Rider UEA, Rider VBA, Rider SSC, Rider ICTA and Rider VITA.  
 (4) Rider QIP charges  
 (5) Gas charge and refund adjustments.  
 (6) Charges under Rider UEA-Gas Cost, Rider 11 and Rider EOA.  
 (7) Additional state charges under Rider 1.  
 (8) Additional charge for state and municipal utility taxes under Rider 1.  
 (9) Other revenues consist of amounts in ICC Account 487, 488, 489.3, 493 and 495.

# Peoples Gas - System Modernization Program *Quarterly Report*

Prepared for the Illinois Commerce Commission - Quarter ending December 31, 2020

## 8C. Bill Impact Metrics

### Average residential heating customer's monthly bill

#### Service Classification No. 1 - Residential Heating Customer

	Therms <sup>(1)</sup>	Base Rates <sup>(2)</sup>	Rider QIP	Gas Charges	Other Riders <sup>(3)</sup>	Other State Charges <sup>(4)</sup>	State & Municipal Taxes <sup>(5)</sup>	Total
<b>January</b>	214.93	\$ 78.02	\$ 9.99	\$ 62.35	\$ 8.33	\$ 0.57	\$ 18.44	\$ 177.70
<b>February</b>	185.08	\$ 71.75	\$ 9.93	\$ 50.14	\$ 6.76	\$ 0.57	\$ 16.05	\$ 155.19
<b>March</b>	135.19	\$ 61.26	\$ 9.88	\$ 29.44	\$ 4.39	\$ 0.57	\$ 12.05	\$ 117.60
<b>April</b>	83.65	\$ 46.90	\$ 10.19	\$ 14.96	\$ 2.82	\$ 0.57	\$ 8.30	\$ 83.74
<b>May</b>	33.45	\$ 38.53	\$ 10.45	\$ 5.98	\$ 1.07	\$ 0.57	\$ 5.52	\$ 62.13
<b>June</b>	27.63	\$ 39.92	\$ 11.18	\$ 5.48	\$ 0.89	\$ 0.55	\$ 5.50	\$ 63.53
<b>July</b>	21.05	\$ 38.79	\$ 11.41	\$ 4.33	\$ 0.66	\$ 0.55	\$ 5.15	\$ 60.89
<b>August</b>	17.49	\$ 38.15	\$ 11.57	\$ 3.55	\$ 0.54	\$ 0.55	\$ 4.95	\$ 59.32
<b>September</b>	22.19	\$ 38.89	\$ 11.63	\$ 5.08	\$ 0.68	\$ 0.55	\$ 5.27	\$ 62.10
<b>October</b>	51.51	\$ 43.90	\$ 11.57	\$ 12.52	\$ 2.49	\$ 0.55	\$ 7.16	\$ 78.20
<b>November</b>	112.39	\$ 54.32	\$ 11.69	\$ 31.41	\$ 4.56	\$ 0.55	\$ 11.25	\$ 113.78
<b>December</b>	177.92	\$ 65.53	\$ 11.76	\$ 47.88	\$ 6.83	\$ 0.55	\$ 15.32	\$ 147.87
<b>Calendar Year</b>	1,082.48	\$ 615.95	\$ 131.25	\$ 273.13	\$ 40.03	\$ 6.70	\$ 114.97	\$ 1,182.04

#### Notes:

<sup>(1)</sup>Weather normalized therms

<sup>(2)</sup>Base Rate charges in effect and include Rider UEA, Rider VBA, Rider SSC, Rider VITA, and Rider ICTA

<sup>(3)</sup>Charges under Rider UEA-Gas Cost, Rider 11, Rider SPC, and Rider EOA

<sup>(4)</sup>Additional state charges and PUAC under Rider 1

<sup>(5)</sup>Additional charges for state and municipal utility taxes under Rider 1

# Peoples Gas - System Modernization Program *Quarterly Report*

Prepared for the Illinois Commerce Commission - Quarter ending December 31, 2020

## 8D. System Modernization Program (SMP)

	D1.		D2.	S.C. No. 1 Rider QIP <sup>(1)</sup>	D3.
	SMP Dollars Spent	QIP Dollars Spent	SMP % of QIP		S.C. No. 1 SMP <sup>(2)</sup>
<b>January</b>	\$ 13,602,674.57	\$ 13,850,208.93	98.2%	\$ 9.99	\$ 9.82
<b>February</b>	\$ 14,800,173.95	\$ 15,021,576.29	98.5%	\$ 9.93	\$ 9.78
<b>March<sup>(3)</sup></b>	\$ 19,467,009.33	\$ 19,034,616.78	102.3%	\$ 9.88	\$ 10.11
<b>April</b>	\$ 24,418,668.57	\$ 24,652,670.39	99.1%	\$ 10.19	\$ 10.09
<b>May</b>	\$ 27,130,643.37	\$ 27,177,477.71	99.8%	\$ 10.45	\$ 10.43
<b>June</b>	\$ 22,114,469.14	\$ 22,115,495.14	100.0%	\$ 11.18	\$ 11.18
<b>July</b>	\$ 26,687,969.65	\$ 26,689,695.65	100.0%	\$ 11.41	\$ 11.41
<b>August</b>	\$ 25,692,157.77	\$ 25,693,953.17	100.0%	\$ 11.57	\$ 11.57
<b>September</b>	\$ 26,804,871.87	\$ 26,824,155.92	99.9%	\$ 11.63	\$ 11.62
<b>October</b>	\$ 28,616,616.99	\$ 28,612,805.90	100.0%	\$ 11.57	\$ 11.57
<b>November</b>	\$ 27,236,849.25	\$ 27,233,104.54	100.0%	\$ 11.69	\$ 11.69
<b>December</b>	\$ 23,758,756.26	\$ 23,758,333.11	100.0%	\$ 11.76	\$ 11.76
<b>Calendar Year</b>	\$ 280,330,860.72	\$ 280,664,093.53	99.9%	\$ 131.25	\$ 131.03

**Notes:**

<sup>(1)</sup>Rider QIP charges from Bill Impact Metric C4.

<sup>(2)</sup>Derived by taking D2. multiplied by the Rider QIP charges from Bill Impact Metric C4.

<sup>(3)</sup>QIP Dollars Spent are less than SMP Dollars Spent due to negative actuals in non-SMP work from an accrual reversal.



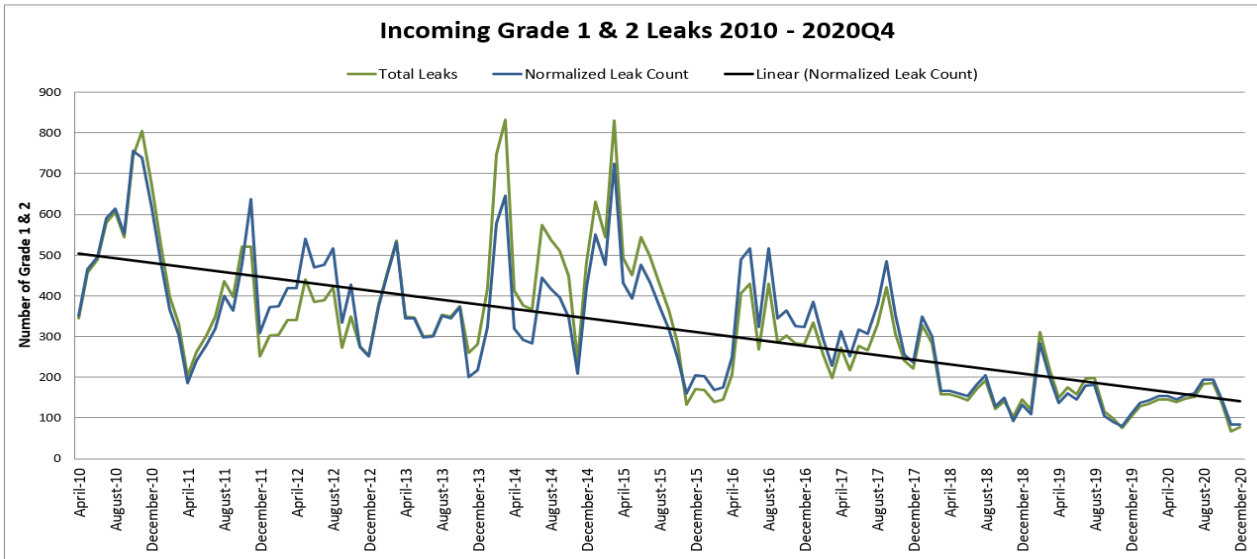
**9. Company Overall Average Leak Rate**

<b>Company Leak Rate - Overall</b>	Leak Count	1,639
	Mileage	1,679
	Leak Rate	0.98

Leak Rate = Leak Count ÷ Mileage

<b>Company Leak Rate - Remaining Main (using only to-be-replaced mains)</b>	Leak Count	1,639
	Mileage	1,268
	Leak Rate	1.29

Leak Rate = Leak Count ÷ Mileage



## Peoples Gas - System Modernization Program *Quarterly Report*

Prepared for the Illinois Commerce Commission - Quarter ending December 31, 2020

### 10. Estimated O&M Impact from SMP work

Total O&M Variance / Current Year Compared to Previous
\$2,515,832

Work Type	2018	2019	2020	Variance/Yr*
Leak Repair and Maintenance	\$ 40,899,157.00	\$ 32,879,270.00	\$ 31,118,789.53	\$ 1,760,480.47

Work Type	2018 Facilities or work items	2019 Facilities or work items	2020 Facilities or work items	2020 Facilities Change (negative is increase)	Savings / Increased Cost (+ is savings) 2020
Leak Survey for Services <i>(Total number of services)</i>	506,162	504,318	504,197	121	\$610
Leak Survey for Miles of Main <i>(Total Miles of Gas Main)</i>	4,515	4,631	4,672	(41)	(\$8,992)
ISI's <i>(Total Number of Premises Under ISI Program)</i>	624,507	611,663	596,422	15,241	\$316,275
Valve Inspections <i>(Total number of valves)</i>	13,454	14,028	14,818	(790)	(\$33,818)
Corrosion Service Work <i>(Total Number of Corrosion Protected Steel Services)</i>	34,924	31,528	28,067	3,461	\$329,819
Corrosion Main Work <i>(Total Miles of Corrosion Family Main)</i>	1,163	1,185	1,179	6	\$5,922
Third Party Damage <i>(Total Number of Hits on Company Facilities)</i>	680	476	355	121	\$145,538
Sub Total					\$755,352

\* Over the long term, PGL expects O&M for leak repair and maintenance to decline, but any given year may not reflect this trend because actual costs

# Peoples Gas - System Modernization Program *Quarterly Report*

Prepared for the Illinois Commerce Commission - Quarter ending December 31, 2020

## APPENDIX A - NEIGHBORHOOD METRICS

Neighborhood	Construction Status	REMAINING					Start Year	End Year	Jan 2020 Risk Rank	Mean UMRI
		Install Miles	Retirement Miles	Services	Meters	Cost (\$M)				
Mayfair	In Progress	0	0	0	0	0	In Progress	2020		
Bowmanville	In Progress	0	0	0	0	0	In Progress	2020		
Albany Park	In Progress	0	0	0	0	3.1	In Progress	2020		
Irving Park	In Progress	* Included in Albany Park					In Progress	2020		
Ravenswood Manor	In Progress	* Included in Albany Park					In Progress	2020		
Stony Island Park	Complete	0.0	0.0	0	0	0.0	In Progress	2020		
West Morgan Park	Complete	0.0	0.0	0	0	0.0	In Progress	2020		
South Edgebrook	Complete	0.0	0.0	0	0	0.0	In Progress	2020		
Princeton Park	In Progress	0.1	2.3	41	91	2.1	In Progress	2021		
North Mayfair	In Progress	0.86	5.3	0	670	4.8	In Progress	2021		
Lincoln Square	In Progress	3.7	4.9	387	1105	10.6	In Progress	2021		
Norwood Park East	In Progress	13.8	15.7	1351	2,485	56.9	In Progress	2022		
Avalon Park	In Progress	4.4	4.6	643	647	8.8	In Progress	2022		
Kenwood	In Progress	0.9	2.3	48	598	3.7	In Progress	2022		
McKinley Park	In Progress	6.5	8.0	882	2,179	18.8	In Progress	2022		
West Elsdon	In Progress	5.35	11.63	444	1,333	18.9	In Progress	2023		
Schorsch Village	In Progress	21.5	12.2	1,715	2,291	41.2	In Progress	2024		
Marquette Park	In Progress	41.7	31.29	5,089	7,421	73.1	In Progress	2025		
Old Irving Park	Not Started	14.9	12.6	1,330	2,196	40.4	2021	2023	11	0.120
Jeffery Manor	Not Started	32.8	20.2	3,131	3,213	64.1	2021	2023	28	0.243
Budlong Woods	Not Started	23.0	13.4	1,853	4,670	36.3	2021	2024	13	0.224
Irving Woods	Not Started	13.3	8.6	1,436	1,653	33.1	2022	2024	1	0.369
Union Ridge	Not Started	14.8	9.5	1,533	1,739	36.9	2022	2024	4	0.213
Chatham	Not Started	40.4	26.0	3,957	6,013	100.9	2022	2025	25	0.194
Old Norwood Park	Not Started	14.6	9.5	797	873	36.6	2024	2025	2	0.161
Heart of Italy	Not Started	0.9	0.6	2	6	4.0	2025	2025	15	0.152
Magnolia Glen	Not Started	2.1	1.4	110	298	5.3	2025	2025	20	0.111
Cragin	Not Started	47.1	30.4	4,485	7,845	117.7	2022	2026	9	0.165
Oriole Park	Not Started	18.2	11.8	1,526	1,698	45.6	2024	2026	6	0.426
Rosemoor	Not Started	16.3	10.5	1,869	2,011	40.8	2024	2026	26	0.152
Garfield Ridge	Not Started	64.2	41.4	7,626	8,150	160.5	2022	2027	29	0.228
Heart of Chicago	Not Started	19.2	12.4	2,241	5,563	47.9	2023	2027	24	0.149
Roscoe Village	Not Started	12.9	8.3	1,576	3,174	32.3	2024	2027	14	0.214
Calumet Heights	Not Started	38.5	24.9	3,868	4,344	96.3	2025	2027	33	0.227
Ashburn	Not Started	36.4	23.5	3,682	3,817	91.1	2025	2027	46	0.170
Gage Park	Not Started	28.4	18.3	2,997	3,929	71.0	2024	2028	34	0.156
Norwood Park West	Not Started	23.5	15.2	2,046	2,128	58.7	2025	2028	7	0.287
Edgewater	Not Started	17.6	11.4	1,056	3,649	44.0	2025	2028	16	0.162
West Englewood	Not Started	47.2	30.4	4,179	4,176	117.9	2025	2028	35	0.224
Belmont Heights	Not Started	31.7	20.5	3,894	4,497	79.4	2026	2028	19	0.280
Bridgeport	Not Started	17.9	11.5	834	1,631	78.7	2026	2028	36	0.085
Belmont Terrace	Not Started	8.1	5.2	813	888	20.2	2027	2028	21	0.274
Hermosa	Not Started	5.8	3.7	499	820	25.4	2027	2028	23	0.070
Edgebrook	Not Started	4.6	3.0	195	91	20.1	2028	2028	31	0.036
Hyde Park	Not Started	1.2	0.8	15	49	5.5	2028	2028	57	0.026
East Pilsen	Not Started	2.5	1.6	114	216	11.1	2028	2028	60	0.090
Jefferson Park	Not Started	85.5	54.8	8,605	11,701	212.4	2025	2029	18	0.189
South Chicago	Not Started	51.5	33.2	4,641	6,307	128.7	2025	2029	32	0.148
Wrightwood	Not Started	29.9	19.3	3,015	3,129	74.6	2025	2029	40	0.196
Edison Park	Not Started	2.4	1.5	112	369	10.4	2029	2029	41	0.036
Peterson Park	Not Started	4.0	2.6	413	612	8.1	2029	2029	44	0.408
West Woodlawn	Not Started	17.7	11.5	1,206	2,439	44.4	2027	2030	39	0.163
West Lawn	Not Started	49.3	31.8	5,807	6,541	123.2	2027	2030	47	0.169
Andersonville	Not Started	10.2	6.6	761	2,176	25.4	2028	2030	38	0.119
East Chatham	Not Started	11.0	7.1	742	2,720	27.4	2028	2030	49	0.150
Ukrainian Village	Not Started	9.2	6.0	768	2,608	23.1	2028	2030	51	0.154
Chicago Lawn	Not Started	9.9	6.4	954	1,367	24.6	2029	2030	54	0.123
Little Village	Not Started	15.9	10.2	292	503	69.8	2029	2030	61	0.052
The Bush	Not Started	6.2	4.0	507	716	12.5	2029	2030	63	0.248
Ravenswood	Not Started	33.2	21.4	2,323	7,172	83.0	2028	2031	27	0.119
West Rogers Park	Not Started	67.0	43.2	5,149	11,198	167.4	2028	2031	30	0.140
Lawndale	Not Started	26.8	17.3	1,506	2,629	118.0	2028	2031	48	0.059
Arcadia Terrace	Not Started	8.7	5.6	963	1,995	21.8	2029	2031	55	0.275

# Peoples Gas - System Modernization Program *Quarterly Report*

Prepared for the Illinois Commerce Commission - Quarter ending December 31, 2020

## APPENDIX A - NEIGHBORHOOD METRICS

Neighborhood	Construction Status	REMAINING					Start Year	End Year	Jan 2020 Risk Rank	Mean UMRI
		Install Miles	Retirement Miles	Services	Meters	Cost (\$M)				
Washington Heights	Not Started	13.2	8.5	1,134	1,107	33.1	2029	2031	69	0.109
Washington Park	Not Started	14.4	9.3	446	1,791	36.0	2029	2031	70	0.118
South Old Irving Park	Not Started	1.9	1.2	132	306	3.8	2031	2031	59	0.182
Ravenswood Gardens	Not Started	1.2	0.8	120	348	2.9	2031	2031	62	0.208
Kelvin Park	Not Started	4.3	2.8	347	501	10.7	2031	2031	72	0.123
Forest Glen	Not Started	4.7	3.0	444	467	9.3	2031	2031	75	0.275
Brainerd	Not Started	29.2	18.8	2,702	3,277	73.0	2028	2032	43	0.173
North Austin	Not Started	19.4	12.5	1,708	2,874	48.5	2029	2032	53	0.084
Big Oaks	Not Started	16.7	10.8	1,785	1,809	41.7	2030	2032	58	0.227
South East Ravenswood	Not Started	3.7	2.4	243	814	9.2	2031	2032	65	0.059
Pulaski Park	Not Started	10.7	6.9	1,092	1,130	26.8	2031	2032	71	0.285
Cottage Grove Heights	Not Started	7.8	5.0	868	846	19.4	2031	2032	76	0.153
Dearborn Homes	Not Started	0.6	0.4	0	0	2.8	2032	2032	82	0.130
Sheffield Neighbors	Not Started	1.1	0.7	29	38	4.8	2032	2032	84	0.030
Hanson Park	Not Started	2.3	1.5	268	496	4.6	2032	2032	87	0.321
Galewood	Not Started	28.5	18.4	2,829	3,343	71.3	2029	2033	50	0.162
Lake View	Not Started	60.0	38.7	5,468	16,297	150.1	2029	2033	52	0.134
Wrightwood Neighbors	Not Started	13.8	8.9	1,191	3,660	34.4	2030	2033	56	0.155
Brighton Park	Not Started	35.7	23.0	3,127	5,068	89.3	2030	2033	64	0.114
Park Manor	Not Started	35.2	22.7	3,114	5,359	88.1	2030	2033	73	0.144
Gladstone Park	Not Started	5.7	3.7	540	848	14.3	2032	2033	89	0.472
Trumbull Park	Not Started	0.4	0.2	9	12	1.6	2033	2033	91	0.875
Lathrop Homes	Not Started	3.0	1.9	120	536	13.2	2033	2033	93	0.027
Chinatown	Not Started	2.6	1.7	227	690	11.5	2033	2033	96	0.135
Belmont Central	Not Started	39.2	25.3	4,535	6,453	97.9	2031	2034	66	0.152
Archer Heights	Not Started	22.9	14.8	1,933	2,578	57.2	2031	2034	67	0.126
Fernwood	Not Started	22.1	14.3	2,231	2,073	55.3	2031	2034	77	0.189
West Town	Not Started	38.6	24.9	2,702	6,789	96.5	2031	2034	78	0.089
Park West	Not Started	9.1	5.9	723	2,147	40.0	2032	2034	81	0.185
Roseland	Not Started	39.6	25.5	3,214	3,287	98.9	2032	2034	86	0.132
Old Town	Not Started	8.0	5.2	498	2,113	20.1	2032	2034	90	0.094
Wrigleyville	Not Started	3.5	2.3	372	1,298	8.9	2033	2034	92	0.165
Near North	Not Started	8.8	5.7	212	555	38.9	2033	2034	109	0.053
O'Hare	Not Started	3.4	2.2	92	327	15.0	2034	2034	104	0.018
Rogers Park	Not Started	1.8	1.2	22	59	8.0	2034	2034	105	0.009
South Austin	Not Started	3.3	2.1	37	17	8.1	2034	2034	110	0.006
West Loop Gate	Not Started	0.5	0.3	3	67	2.0	2034	2034	112	0.061
Back of the Yards	Not Started	15.9	10.3	1,557	2,967	39.8	2032	2035	85	0.052
Longwood Manor	Not Started	14.9	9.6	1,663	1,637	37.3	2033	2035	94	0.163
North Park	Not Started	7.9	5.1	795	1,658	19.8	2034	2035	103	0.141
Marynook	Not Started	7.6	4.9	878	939	15.2	2034	2035	107	0.319
Schorsch Forest View	Not Started	1.1	0.7	2	2	4.8	2035	2035	114	0.074
West De Paul	Not Started	1.6	1.1	110	276	7.2	2035	2035	118	0.032
Portage Park	Not Started	7.6	4.9	119	9	19.1	2035	2035	120	0.021
Graceland West	Not Started	2.9	1.9	239	686	7.3	2035	2035	121	0.169
Logan Square	Not Started	62.9	40.6	6,054	14,831	157.2	2032	2036	83	0.094
Grand Crossing	Not Started	30.8	19.9	2,206	3,608	77.1	2032	2036	88	0.147
Bronzeville	Not Started	23.6	15.2	678	1,815	103.7	2033	2036	95	0.066
Uptown	Not Started	15.0	9.7	740	3,953	37.4	2033	2036	98	0.147
Montclare	Not Started	32.4	20.9	3,248	4,443	81.1	2034	2036	101	0.127
Pill Hill	Not Started	5.6	3.6	578	580	14.0	2035	2036	124	0.371
West Pullman	Not Started	48.8	31.5	4,045	4,002	121.9	2034	2037	99	0.109
Morgan Park E	Not Started	25.7	16.6	2,510	2,478	64.3	2034	2037	102	0.103
Scottsdale	Not Started	39.5	25.5	4,026	4,138	98.7	2034	2037	111	0.198
Burnside	Not Started	14.6	9.4	1,085	1,350	64.4	2035	2037	117	0.076
West Chesterfield	Not Started	8.8	5.7	927	931	21.9	2036	2037	125	0.150
Goose Island	Not Started	3.2	2.1	28	69	14.2	2037	2037	132	0.038
Edgewater Glen	Not Started	2.1	1.3	160	387	9.1	2037	2037	133	0.138
Prairie Shores	Not Started	0.4	0.3	4	1	1.8	2037	2037	135	0.052
Humboldt Park	Not Started	49.0	31.6	4,662	10,855	122.5	2033	2038	106	0.146
Pilsen	Not Started	19.3	12.4	1,241	3,547	48.2	2035	2038	113	0.092
Sauganash	Not Started	25.5	16.4	2,048	2,262	63.6	2035	2038	116	0.171
South Deering	Not Started	8.1	5.2	924	1,147	20.2	2035	2038	122	0.083

# Peoples Gas - System Modernization Program *Quarterly Report*

Prepared for the Illinois Commerce Commission - Quarter ending December 31, 2020

## APPENDIX A - NEIGHBORHOOD METRICS

Neighborhood	Construction Status	REMAINING					Start Year	End Year	Jan 2020 Risk Rank	Mean UMRI
		Install Miles	Retirement Miles	Services	Meters	Cost (\$M)				
Noble Square	Not Started	10.9	7.0	991	3,371	27.2	2036	2038	119	0.085
Palmer Square	Not Started	8.3	5.4	777	2,034	20.8	2036	2038	126	0.190
Near West Side	Not Started	6.1	4.0	196	403	26.9	2037	2038	123	0.040
Hollywood Park	Not Started	4.8	3.1	539	1,112	12.1	2037	2038	131	0.114
Kilbourn Park	Not Started	6.1	3.9	429	796	15.2	2037	2038	136	0.136
River North	Not Started	3.2	2.1	109	436	14.1	2038	2038	141	0.039
West Garfield Park	Not Started	2.1	1.4	0	0	9.2	2038	2038	144	0.026
Parkview	Not Started	2.2	1.4	219	245	5.4	2038	2038	145	0.050
West Chatham	Not Started	4.3	2.8	458	543	10.7	2038	2038	148	0.085
The Gap	Not Started	1.0	0.6	2	7	4.4	2038	2038	149	0.040
Ranch Triangle	Not Started	0.6	0.4	5	13	2.8	2038	2038	150	0.031
Lakewood - Balmoral	Not Started	3.1	2.0	248	482	7.6	2038	2038	151	0.079
Ida B. Wells / Darrow Homes	Not Started	0.8	0.5	0	0	3.5	2038	2038	153	0.031
Ickes Prairie Homes	Not Started	0.9	0.6	2	4	3.8	2038	2038	154	0.030
West Beverly	Not Started	0.4	0.3	0	0	1.0	2038	2038	157	0.019
Gresham	Not Started	62.7	40.5	5,471	7,226	156.9	2035	2039	115	0.116
Buena Park	Not Started	8.2	5.3	389	2,262	36.1	2037	2039	128	0.119
Edgewater Beach	Not Started	10.0	6.5	480	2,816	25.0	2037	2039	139	0.102
South Loop	Not Started	10.0	6.5	150	661	44.1	2038	2039	137	0.045
Dunning	Not Started	9.7	6.2	1,203	1,386	24.1	2038	2039	140	0.059
Old Town Triangle	Not Started	9.0	5.8	734	1,812	22.5	2038	2039	155	0.149
Winneconna Parkway	Not Started	1.5	1.0	63	126	2.9	2039	2039	159	0.143
University Village / Little Italy	Not Started	2.1	1.3	6	1	9.1	2039	2039	160	0.022
Lake Meadows	Not Started	0.8	0.5	1	3	3.3	2039	2039	166	0.051
Clearing (W)	Not Started	0.5	0.3	0	0	2.0	2039	2039	167	0.006
Beverly	Not Started	1.6	1.0	0	0	4.0	2039	2039	168	0.008
Illinois Medical District	Not Started	0.5	0.3	10	25	2.1	2039	2039	170	0.024
Lithuanian Plaza	Not Started	1.3	0.9	176	270	2.7	2039	2039	171	0.099
The Loop	Not Started	6.5	4.2	95	167	28.4	2039	2039	186	0.023
Fifth City	Not Started	3.8	2.5	170	455	9.5	2039	2039	187	0.044
Lincoln Park	Not Started	22.1	14.3	1,597	4,240	55.3	2036	2040	127	0.204
Englewood	Not Started	70.7	45.6	5,360	6,290	176.8	2036	2040	129	0.092
East Garfield Park	Not Started	31.1	20.1	1,907	3,539	77.8	2036	2040	143	0.102
Wicker Park	Not Started	18.7	12.1	1,537	4,466	46.7	2036	2040	152	0.059
Woodlawn	Not Started	17.4	11.2	916	2,759	43.6	2037	2040	130	0.072
East Ukrainian Village	Not Started	11.5	7.4	1,244	3,949	28.6	2037	2040	134	0.116
Lake View East	Not Started	13.3	8.6	661	4,016	33.3	2037	2040	142	0.085
Bucktown	Not Started	31.6	20.4	3,386	7,852	79.0	2037	2040	162	0.041
Gold Coast	Not Started	12.7	8.2	649	1,561	55.7	2038	2040	177	0.066
Vittum Park	Not Started	7.7	5.0	899	947	19.3	2039	2040	146	0.224
North Center	Not Started	8.9	5.7	626	1,473	22.2	2039	2040	158	0.066
Belmont Gardens	Not Started	4.5	2.9	318	698	19.9	2039	2040	163	0.050
Douglas Park	Not Started	6.2	4.0	253	418	15.6	2039	2040	164	0.099
Sheridan Park	Not Started	5.1	3.3	317	1,918	12.6	2039	2040	165	0.118
Margate Park	Not Started	3.5	2.3	178	794	15.3	2039	2040	173	0.082
Avondale	Not Started	9.2	5.9	553	1,187	40.4	2039	2040	184	0.019
London Town	Not Started	3.3	2.1	306	43	8.1	2040	2040	172	0.011
East Beverly	Not Started	1.7	1.1	0	0	7.4	2040	2040	176	0.008
East Hyde Park	Not Started	0.0	0.0	0	0	0.1	2040	2040	178	0.010
Beverly View	Not Started	2.8	1.8	245	246	7.1	2040	2040	181	0.119
LeClaire Courts	Not Started	2.9	1.8	340	327	5.7	2040	2040	182	0.049
Printers Row	Not Started	1.2	0.8	26	125	5.5	2040	2040	183	0.089
South Commons	Not Started	1.4	0.9	80	107	6.1	2040	2040	188	0.013
The Villa	Not Started	0.6	0.4	0	0	2.7	2040	2040	189	0.034
East Side	Not Started	0.1	0.1	1	1	0.2	2040	2040	190	0.020
Prairie District	Not Started	0.9	0.6	10	44	4.1	2040	2040	191	0.033
North Kenwood	Not Started	0.2	0.1	4	17	1.0	2040	2040	192	0.016
Parkway Gardens	Not Started	0.6	0.4	4	5	2.6	2040	2040	193	-
Dearborn Park	Not Started	1.7	1.1	121	202	4.2	2040	2040	194	0.020
Magnificent Mile	Not Started	0.4	0.3	1	1	1.7	2040	2040	196	0.037
Homan Square	Not Started	0.0	0.0	0	0	0.0	2040	2040	205	0.020
Streeterville	Not Started	0.0	0.0	0	0	0.0	2040	2040	210	0.015
Horner Park	Not Started	0.0	0.0	0	0	0.0	2040	2040	214	0.013

# Peoples Gas - System Modernization Program *Quarterly Report*

Prepared for the Illinois Commerce Commission - Quarter ending December 31, 2020

## APPENDIX A - NEIGHBORHOOD METRICS

Neighborhood	Construction Status	REMAINING					Start Year	End Year	Jan 2020 Risk Rank	Mean UMRI
		Install Miles	Retirement Miles	Services	Meters	Cost (\$M)				
Mount Greenwood	Complete	-	-	-	-	-				
Morgan Park W	Complete	-	-	-	-	-				
Altgeld Gardens	Complete	-	-	-	-	-				
Hegewisch	Complete	-	-	-	-	-				
The Island	Complete	-	-	-	-	-				
South Shore	Complete	-	-	-	-	-				
Stateway Gardens	Complete	-	-	-	-	-				
Ford City	Complete	-	-	-	-	-				
Sleepy Hollow	Complete	-	-	-	-	-				
Tri-Taylor	Complete	-	-	-	-	-				
Beverly Woods	Complete	-	-	-	-	-				
Canaryville	Complete	-	-	-	-	-				
Cabrini Green	Complete	-	-	-	-	-				
Marycrest	Complete	-	-	-	-	-				
Jackson Park Highlands	Complete	-	-	-	-	-				
Mount Greenwood Heights	Complete	-	-	-	-	-				
River West	Complete	-	-	-	-	-				
Oakland	Complete	-	-	-	-	-				
Fulton River District	Complete	-	-	-	-	-				
Fuller Park	Complete	-	-	-	-	-				
Riverdale	Complete	-	-	-	-	-				
Wentworth Gardens	Complete	-	-	-	-	-				
Harbour Point Estates	Complete	-	-	-	-	-				
Tally's Corner	Complete	-	-	-	-	-				
Chrysler Village	Complete	-	-	-	-	-				
Golden Gate	Complete	-	-	-	-	-				
Near East Side	Complete	-	-	-	-	-				
The Robert Taylor Homes	Complete	-	-	-	-	-				
Kennedy Park	Complete	-	-	-	-	-				
Pullman	Complete	-	-	-	-	-				
Eden Green	Complete	-	-	-	-	-				
Clearing (E)	Complete	-	-	-	-	-				
Wildwood	Complete	-	-	-	-	-				
Brynford Park	Complete	-	-	-	-	-				
Greektown	Complete	-	-	-	-	-				
Groveland Park	Complete	-	-	-	-	-				
Old Edgebrook	Complete	-	-	-	-	-				
River's Edge	Complete	-	-	-	-	-				
Sauganash Woods	Complete	-	-	-	-	-				
West Humboldt Park	Complete	-	-	-	-	-				

## System Modernization Program *Quarterly Update*

Prepared for the Illinois Commerce Commission - Quarter ending December 31, 2020

### APPENDIX B - NEIGHBORHOOD LEAK RATES & 2 YEAR AVERAGE

	NEIGHBORHOOD	2020 LEAK RATE	2020 NORMALIZED RATE	NORMALIZED LEAK RATE (2 YR AVG)
1	Albany Park	12.00	12.65	8.07
2	Altgeld Gardens	-	-	-
3	Andersonville	3.64	3.83	2.63
4	Arcadia Terrace	3.11	3.28	1.82
5	Archer Heights	1.53	1.62	1.36
6	Ashburn	0.40	0.42	0.33
7	Avalon Park	0.93	0.98	0.69
8	Avondale	0.29	0.30	1.90
9	Back of the Yards	3.79	3.99	3.21
10	Belmont Central	0.69	0.73	0.86
11	Belmont Gardens	2.40	2.53	1.84
12	Belmont Heights	0.49	0.52	0.63
13	Belmont Terrace	0.77	0.81	0.84
14	Beverly	1.67	1.76	1.89
15	Beverly View	-	-	-
16	Beverly Woods	-	-	-
17	Big Oaks	0.12	0.12	0.37
18	Bowmanville	-	-	2.13
19	Brainerd	0.49	0.52	0.47
20	Bridgeport	2.32	2.45	2.08
21	Brighton Park	1.06	1.11	1.02
22	Bronzeville	0.65	0.69	1.05
23	Brynford Park	-	-	-
24	Bucktown	3.17	3.34	2.84
25	Budlong Woods	0.96	1.02	0.79
26	Buena Park	2.41	2.55	2.38
27	Burnside	0.19	0.20	0.94
28	Cabrini Green	-	-	-
29	Calumet Heights	0.47	0.50	0.75
30	Canaryville	-	-	-
31	Chatham	0.54	0.57	0.62
32	Chicago Lawn	1.25	1.32	1.73
33	Chinatown	-	-	0.76
34	Chrysler Village	-	-	-
35	Clearing (E)	-	-	-
36	Clearing (W)	20.00	21.09	15.11
37	Cottage Grove Heights	0.50	0.53	0.68
38	Cragin	1.02	1.08	0.89
39	Dearborn Homes	-	-	1.14
40	Dearborn Park	-	-	22.84
41	Douglas Park	-	-	1.14
42	Dunning	2.61	2.75	1.98
43	East Beverly	-	-	-
44	East Chatham	0.71	0.75	0.77
45	East Garfield Park	2.27	2.40	2.12
46	East Hyde Park	-	-	-
47	East Pilsen	5.83	6.15	4.60
48	East Side	-	-	-
49	East Ukrainian Village	1.74	1.83	2.01
50	Eden Green	-	-	-
51	Edgebrook	3.33	3.51	2.08
52	Edgewater	1.60	1.68	1.49
53	Edgewater Beach	0.21	0.22	0.31
54	Edgewater Glen	1.54	1.62	1.51
55	Edison Park	3.33	3.51	3.28
56	Englewood	0.73	0.77	1.46
57	Fernwood	1.11	1.17	1.02
58	Fifth City	2.86	3.01	2.16
59	Ford City	-	-	-
60	Forest Glen	1.15	1.22	1.14
61	Fuller Park	-	-	-
62	Fulton River District	-	-	-
63	Gage Park	0.64	0.67	0.79
64	Galewood	0.77	0.81	0.55
65	Garfield Ridge	0.98	1.03	0.79
66	Gladstone Park	0.40	0.42	0.21
67	Gold Coast	1.76	1.86	1.30
68	Golden Gate	-	-	-

## System Modernization Program *Quarterly Update*

Prepared for the Illinois Commerce Commission - Quarter ending December 31, 2020

### APPENDIX B - NEIGHBORHOOD LEAK RATES & 2 YEAR AVERAGE

	NEIGHBORHOOD	2020 LEAK RATE	2020 NORMALIZED RATE	NORMALIZED LEAK RATE (2 YR AVG)
69	Goose Island	4.44	4.69	3.61
70	Graceland West	1.76	1.86	2.27
71	Grand Crossing	0.77	0.82	0.50
72	Greektown	-	-	-
73	Gresham	0.47	0.50	0.55
74	Groveland Park	-	-	-
75	Hanson Park	-	-	-
76	Harbour Point Estates	-	-	-
77	Heart of Chicago	4.67	4.92	3.77
78	Heart of Italy	5.00	5.27	3.94
79	Hegewisch	-	-	-
80	Hermosa	0.81	0.85	1.15
81	Hollywood Park	2.22	2.34	1.87
82	Homan Square	-	-	-
83	Horner Park	-	-	-
84	Humboldt Park	2.12	2.23	1.97
85	Hyde Park	3.75	3.95	3.69
86	Ickes Prairie Homes	-	-	1.14
87	Ida B. Wells / Darrow Homes	-	-	-
88	Illinois Medical District	-	-	-
89	Irving Park	10.00	10.54	10.98
90	Irving Woods	0.73	0.77	0.89
91	Jackson Park Highlands	-	-	-
92	Jefferson Park	0.82	0.87	0.93
93	Jeffery Manor	0.34	0.36	0.74
94	Kelvin Park	1.11	1.17	1.09
95	Kennedy Park	-	-	-
96	Kenwood	2.58	2.72	1.94
97	Kilbourn Park	1.33	1.41	1.15
98	Lake Meadows	-	-	0.91
99	Lake View	2.42	2.56	2.09
100	Lake View East	1.94	2.05	1.77
101	Lakewood - Balmoral	2.00	2.11	1.47
102	Lathrop Homes	2.00	2.11	1.05
103	Lawndale	3.53	3.72	2.95
104	LeClaire Courts	0.63	0.66	0.33
105	Lincoln Park	1.38	1.45	1.93
106	Lincoln Square	3.00	3.16	1.79
107	Lithuanian Plaza	-	-	-
108	Little Village	2.11	2.22	2.26
109	Logan Square	1.54	1.62	1.73
110	London Town	-	-	1.43
111	Longwood Manor	0.74	0.78	0.97
112	Magnificent Mile	5.00	5.27	4.92
113	Magnolia Glen	-	-	0.86
114	Margate Park	2.22	2.34	1.68
115	Marquette Park	1.21	1.27	1.15
116	Marycrest	-	-	-
117	Marynook	1.25	1.32	0.96
118	Mayfair	32.00	33.74	19.15
119	McKinley Park	3.06	3.22	2.20
120	Montclare	0.99	1.04	1.08
121	Morgan Park E	0.52	0.55	0.40
122	Morgan Park W	-	-	7.61
123	Mount Greenwood	-	-	-
124	Mount Greenwood Heights	-	-	-
125	Near East Side	-	-	-
126	Near North	8.72	9.20	5.24
127	Near West Side	2.50	2.64	2.56
128	Noble Square	3.50	3.69	2.64
129	North Austin	1.47	1.55	1.78
130	North Center	3.54	3.73	2.34
131	North Kenwood	10.00	10.54	32.68
132	North Mayfair	2.40	2.53	1.71
133	North Park	0.95	1.00	1.26
134	Norwood Park East	1.59	1.67	1.11
135	Norwood Park West	1.06	1.12	0.96
136	O'Hare	4.76	5.02	3.82
137	Oakland	-	-	-
138	Old Edgebrook	-	-	-
139	Old Irving Park	1.55	1.63	2.23
140	Old Norwood Park	0.33	0.34	0.41
141	Old Town	4.55	4.79	4.68
142	Old Town Triangle	1.84	1.94	2.23
143	Oriole Park	0.59	0.63	0.89
144	Palmer Square	1.33	1.41	2.44



## System Modernization Program *Quarterly Update*

Prepared for the Illinois Commerce Commission - Quarter ending December 31, 2020

### APPENDIX B - NEIGHBORHOOD LEAK RATES & 2 YEAR AVERAGE

	NEIGHBORHOOD	2020 LEAK RATE	2020 NORMALIZED RATE	NORMALIZED LEAK RATE (2 YR AVG)
145	Park Manor	1.12	1.18	1.17
146	Park West	0.26	0.27	0.74
147	Parkview	-	-	0.38
148	Parkway Gardens	-	-	-
149	Peterson Park	2.27	2.40	1.61
150	Pill Hill	0.34	0.36	0.97
151	Pilsen	2.73	2.88	2.58
152	Portage Park	1.61	1.70	1.56
153	Prairie District	-	-	2.28
154	Prairie Shores	-	-	1.52
155	Princeton Park	0.56	0.59	0.49
156	Printers Row	-	-	3.26
157	Pulaski Park	1.41	1.48	1.16
158	Pullman	-	-	-
159	Ranch Triangle	20.00	21.09	17.40
160	Ravenswood	1.81	1.90	1.74
161	Ravenswood Gardens	-	-	-
162	Ravenswood Manor	-	-	9.14
163	River North	12.50	13.18	9.79
164	River West	-	-	-
165	River's Edge	-	-	-
166	Riverdale	-	-	-
167	Rogers Park	1.43	1.51	4.75
168	Roscoe Village	2.35	2.48	1.98
169	Roseland	0.80	0.84	0.98
170	Rosemoor	1.34	1.41	1.64
171	Sauganash	0.68	0.72	0.61
172	Sauganash Woods	-	-	-
173	Schorsch Forest View	-	-	1.96
174	Schorsch Village	0.64	0.67	0.53
175	Scottsdale	0.17	0.18	0.18
176	Sheffield Neighbors	3.75	3.95	3.93
177	Sheridan Park	4.74	4.99	3.46
178	Sleepy Hollow	-	-	-
179	South Austin	5.26	5.55	6.38
180	South Chicago	0.53	0.56	0.82
181	South Commons	4.00	4.22	3.02
182	South Deering	0.17	0.18	0.27
183	South East Ravenswood	2.14	2.26	1.13
184	South Edgebrook	-	-	0.91
185	South Loop	4.69	4.95	4.34
186	South Old Irving Park	4.44	4.69	4.17
187	South Shore	4.62	4.87	5.70
188	Stateway Gardens	-	-	-
189	Stony Island Park	0.25	0.26	0.47
190	Streeterville	-	-	-
191	Tally's Corner	-	-	-
192	The Bush	0.24	0.26	0.69
193	The Gap	-	-	1.52
194	The Island	-	-	-
195	The Loop	6.15	6.49	5.85
196	The Robert Taylor Homes	-	-	-
197	The Villa	-	-	2.28
198	Tri-Taylor	-	-	-
199	Trumbull Park	-	-	-
200	Ukrainian Village	0.38	0.41	1.07
201	Union Ridge	0.24	0.25	0.44
202	University Village / Little Italy	-	-	1.76
203	Uptown	1.53	1.61	1.04
204	Vittum Park	0.67	0.70	0.46
205	Washington Heights	0.42	0.44	0.54
206	Washington Park	0.29	0.31	0.88
207	Wentworth Gardens	-	-	-
208	West Beverly	-	-	9.14
209	West Chatham	0.50	0.53	1.18
210	West Chesterfield	0.70	0.74	0.88

## System Modernization Program *Quarterly Update*

Prepared for the Illinois Commerce Commission - Quarter ending December 31, 2020

### APPENDIX B - NEIGHBORHOOD LEAK RATES & 2 YEAR AVERAGE

	NEIGHBORHOOD	2020 LEAK RATE	2020 NORMALIZED RATE	NORMALIZED LEAK RATE (2 YR AVG)
211	West De Paul	-	-	0.65
212	West Elsdon	1.53	1.61	1.50
213	West Englewood	1.02	1.07	0.99
214	West Garfield Park	6.92	7.30	5.76
215	West Humboldt Park	-	-	-
216	West Lawn	0.71	0.75	0.64
217	West Loop Gate	10.00	10.54	5.27
218	West Morgan Park	-	-	-
219	West Pullman	0.77	0.81	0.58
220	West Rogers Park	1.88	1.98	1.31
221	West Town	2.17	2.29	1.74
222	West Woodlawn	2.12	2.24	1.76
223	Wicker Park	1.05	1.11	2.00
224	Wildwood	-	-	-
225	Winneconna Parkway	1.43	1.51	0.75
226	Woodlawn	0.31	0.33	0.59
227	Wrightwood	0.60	0.63	0.52
228	Wrightwood Neighbors	0.97	1.03	0.89
229	Wrigleyville	3.48	3.67	2.40

**APPENDIX C- PI/SI METRICS**

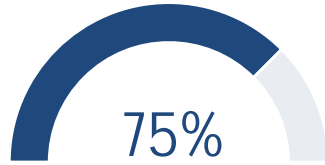
Project	Construction Status	Driver	Install Miles	Retirement Miles	Services	Meters	Cost (\$M)	Meets UMRI Threshold*
VANBUREN & WELLS LOOP MAIN REPLACEMENT	Completed Q-4	SI	0.60	0.30	17	118	\$11.3	No
38TH & MAPLEWOOD	Completed Q-4	PI	0.56	0.48	39	64	\$1.36	No
SEWER 7408 - 48TH & HAMLIN	Completed Q-4	PI	0.43	0.25	49	93	\$0.76	No
SACRAMENTO & FIFTH UMRI	Completed Q-4	SI	0.19	0.14	10	35	\$0.59	Yes
44TH & WOLCOTT	Completed Q-4	SI	0.53	0.51	34	106	\$1.01	No
FOSTER & NATCHEZ UMRI	Completed Q-4	SI	0.41	0.41	0	0	\$1.06	Yes
WELLS - ILLINOIS TO CHICAGO LOOP UPGRADE	Completed Q-4	PI	1.11	1	76	440	\$8.87	No
19TH & RACINE UMRI	Completed Q-4	SI	0.22	0.14	22	91	\$0.57	Yes
SEWER 7474 - PULASKI & DAKIN	Completed Q-4	PI	0.05	0.1	5	15	\$0.46	No
SEWER 7491 - ALTGELD & LONG	Completed Q-4	PI	0.07	0.05	0	0	\$0.58	No
SEWER 7484 - DICKENS & KILPATRICK	Completed Q-4	PI	0.52	0.35	74	76	\$1.05	No
SEWER 7403 - 48TH & KEATING	Completed Q-4	PI	0.03	0.01	0	0	\$0.25	No
SEWER 7444 - 76TH & WINCHESTER	Completed Q-4	PI	0.01	0.01	0	0	\$0.08	No

\* Main segment with a UMRI of 5.0 or greater that are adjacent to schools, hospitals and nursing homes and all other main segments with a UMRI of 6.0 or greater

ICC Recommendation From Kiefner Engineering Study

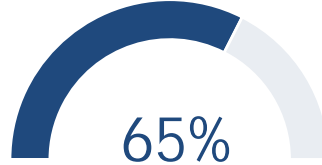
Appendix D - Progress towards Completion of Commission Requirements

1. Pace of Replacement



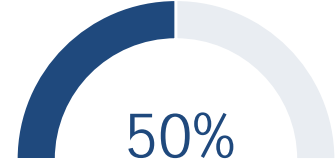
Deliverable: Cost/Benefit analysis on system-wide Advanced Leak Detection

2. Natural Forces



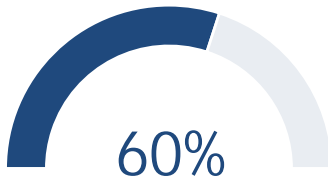
Deliverable: Annual narrative on Frost Depth Data (into GIS) from previous winter (and if any new predictive tool begins to influence MRI)

3. Corrosion



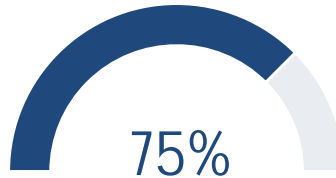
Deliverable: Annual update on the status of the incorporation of Kiefner's Predictive Corrosion Model into existing corrosion monitoring procedures

4. Enhanced Coupon Collection Procedure



Deliverable: Notification of completion of coupon preparation procedure

5. Coupon Location



Deliverable: Cost benefit analysis results for tool/equipment purchases

6. Neighborhood Ranking - Existing Model



Deliverable: NRM attribute evaluation results.

7. Neighborhood Ranking - Kiefner Models



Deliverable: Kiefner evaluation results

ICC Recommendation From Kiefner Engineering Study

**Appendix D - Progress towards Completion of Commission Requirements**

Tasks No.	Recommendation Description	Status Update
1	Pace of Replacement - 75% Complete	a. PGL's evaluation of the Advance Leak Detection technology is ongoing with a response to be submitted at the end of the 1st quarter of 2021.
2	Natural Forces - 65% Complete	a. A process is in place to capture frost depth data throughout PGL's distribution system. This information is collected by field crews as part of their work activities. b. A GIS application has been developed to display frost depth data geospatially. c. Winter 2020/2021 data will be evaluated and a report will be submitted at the end of the 2nd quarter of 2021.
3	Corrosion - 50% Complete	a. The Kiefner Predictive Corrosion Model has been transferred to PGL and PGL is in the process of obtaining the necessary software to run the model. b. Once the model is able to be run PGL will begin evaluation of implementing the model's output into the GIS system and corrosion monitoring systems.
4	Enhanced Coupon Collection Procedure - 60% Complete	a. PGL is in the process of purchasing a media blasting cabinet that will be used to process pipeline coupons. This equipment will enable the grit blasting of coupons in alignment with Kiefner's recommendation. We expect acquisition of the media blasting cabinet in Q2, 2021. b. Coupon preparation documentation will be developed upon delivery of the media blasting cabinet.
5	Coupon Location - 75% Complete	a. PGL has completed the review of the use of non-destructive technology to evaluate the cast iron/ductile iron pipe at the 3, 6 and 9 o'clock position and is in the process of finalizing its cost-benefit analysis. b. Results of the analysis will be available by the end of the 2nd quarter of 2021.
6	Neighborhood Ranking - Existing Model - 100% Complete	a. Evaluation of the Neighborhood Ranking Model is complete. b. PGL's results regarding the Neighborhood Ranking Model is provided as an attachment to this report.
7	Neighborhood Ranking - Kiefner Models - 100% Complete	a. Evaluation of the Kiefner structural, risk and corrosion predictive models has been complete. b. PGL's response regarding the Kiefner Models is provided as an attachment to this report.