



Public Service Commission of Wisconsin

2020 Pipeline Safety Distribution Report All Operators

| PART B - SYSTEM DESCRIPTION | | | | | | | | | | |
|-----------------------------|-------------|--------|------------------------|----------|--------------|--------|---------------------|----------|-------|----------|
| 1. General | | | | | | | | | | |
| | Steel | | | | Ductile Iron | Copper | Cast / Wrought Iron | Plastic | Other | Total |
| | Unprotected | | Cathodically Protected | | | | | | | |
| | Bare | Coated | Bare | Coated | | | | | | |
| Miles of Main | 0 | 27.7 | 0 | 11627.67 | 0 | 0 | 0 | 29529.64 | 61.1 | 41246.11 |
| No. of Services | 2 | 356 | 0 | 219907 | 0 | 9550 | 0 | 1479652 | 2094 | 1711561 |

| 2. Miles of Mains in System at End of Year | | | | | | | |
|--|-------------|-----------------|------------------|-----------------|---------------|---------------|-----------------|
| Material | Unknown | 2" or Less | Over 2" - 4" | Over 4" - 8" | Over 8" - 12" | Over 12" | Total |
| Steel | 4.8 | 4770.731 | 3530.559 | 2608.189 | 402.13 | 197.91 | 11514.32 |
| Ductile Iron | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Copper | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Cast/Wrought Iron | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PVC | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PE | 0.7 | 20434.25 | 7403.788 | 1688.42 | 1.48 | 0 | 29528.64 |
| ABS | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other Plastic | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other | 38.3 | 16.6 | 6.4 | 0.3 | 0 | 0 | 61.6 |
| Total | 43.8 | 25221.58 | 10940.747 | 4296.909 | 403.61 | 197.91 | 41104.56 |

| 3. Number of Services in System at End of Year | | | | | Average Service Length (feet): 96.45006082 | | |
|--|------------|----------------|--------------|--------------|--|----------|----------------|
| Material | Unknown | 1" or Less | Over 1" - 2" | Over 2" - 4" | Over 4" - 8" | Over 8" | Total |
| Steel | 3 | 194640 | 24305 | 1087 | 222 | 8 | 220265 |
| Ductile Iron | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Copper | 0 | 27 | 9523 | 0 | 0 | 0 | 9550 |
| Cast/Wrought Iron | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PVC | 0 | 76 | 10888 | 0 | 0 | 0 | 10964 |
| PE | 38 | 1448079 | 19069 | 1380 | 122 | 0 | 1468688 |
| ABS | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other Plastic | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other | 327 | 1703 | 62 | 2 | 0 | 0 | 2094 |
| Total | 368 | 1644525 | 63847 | 2469 | 344 | 8 | 1711561 |

| 4. Miles of Main and Number of Services By Decade of Installation | | | | | | | | | | | | |
|---|---------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | Unknown | Pre-1940 | 1940-1949 | 1950-1959 | 1960-1969 | 1970-1979 | 1980-1989 | 1990-1999 | 2000-2009 | 2010-2019 | 2020-2029 | Total |
| Miles of Main | 309.7 | 0.7 | 16.29 | 1171.85 | 6733.277 | 4457.104 | 3902.822 | 11064.13 | 6501.256 | 6596.705 | 774.356 | 40753.832 |
| No. of Services | 14499 | 1495 | 1022 | 33049 | 169551 | 264868 | 247390 | 352839 | 280748 | 321802 | 27825 | 1687263 |

| PART C - TOTAL LEAKS AND HAZARDOUS LEAKS/ELIMINATED/REPAIRED DURING THE YEAR | | | | |
|--|-------|-----------|----------|-----------|
| Cause of Leak | Mains | | Services | |
| | Total | Hazardous | Total | Hazardous |
| Corrosion | 10 | 3 | 106 | 64 |
| Natural Forces | 16 | 10 | 180 | 144 |
| Excavation Damage | 209 | 198 | 1104 | 1019 |
| Other Outside Force Damage | 13 | 13 | 316 | 283 |
| Materials or Welds | 47 | 15 | 290 | 90 |
| Equipment | 153 | 17 | 3491 | 513 |
| Incorrect Operations | 21 | 11 | 85 | 19 |
| Other | 23 | 8 | 137 | 33 |
| Number of Known System Leaks at End of Year Scheduled for Repair | | | | 1085 |

| PART D - EXCAVATION DAMAGE | | PART E - EXCESS FLOW VALVE (EFV) DATA | |
|---|---------------|---|--------|
| # of Excavation Damages (By Root Cause) | 1360 | # of EFVs installed this calendar year on single family residential services | 26280 |
| a. One-Call Notification Practices Not Sufficient | 310 | Total number of EFVs installed in system at the end of the year | 396616 |
| b. Locating Practices Not Sufficient | 252 | # of manual service line shut-off valves installed this calendar year on single-family residential services | 1317 |
| c. Excavation Practices Not Sufficient | 776 | Total number of manual service line shut-off valves in the system at end of year | 152774 |
| d. Other | 22 | | |
| Number of Excavation Tickets | 857064 | | |

| PART F - LEAKS OF FEDERAL LAND | | PART G - PERCENT OF UNACCOUNTED FOR GAS | |
|---|---|---|---|
| Total number of Leaks on Federal land repaired or scheduled to repair | 0 | Unaccounted for gas as a percent of total input for the 12 months ending June 30 (6/30) of the reporting year | - |