



# Public Service Commission of Wisconsin

## 2022 Pipeline Safety Distribution Report All Operators

| PART B - SYSTEM DESCRIPTION |             |        |                        |           |              |        |                     |          |       |                         |                 |
|-----------------------------|-------------|--------|------------------------|-----------|--------------|--------|---------------------|----------|-------|-------------------------|-----------------|
| 1. General                  |             |        |                        |           |              |        |                     |          |       |                         |                 |
|                             | Steel       |        |                        |           | Ductile Iron | Copper | Cast / Wrought Iron | Plastic  | Other | Reconditioned Cast Iron | Total           |
|                             | Unprotected |        | Cathodically Protected |           |              |        |                     |          |       |                         |                 |
|                             | Bare        | Coated | Bare                   | Coated    |              |        |                     |          |       |                         |                 |
| Miles of Main               | 0.2         | 16.8   | 0.3                    | 11374.838 | 0            | 0      | 0                   | 30557.59 | 46.1  | 0                       | <b>41995.83</b> |
| No. of Services             | 1           | 367    | 1                      | 209587    | 0            | 8512   | 0                   | 1517957  | 2010  | 0                       | <b>1738435</b>  |

| 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                                      | 1.8         | 4605.42        | 3442.53          | 2585.529        | 552.86        | 204        | <b>11392.138</b> |
| Ductile Iron                               | 0           | 0              | 0                | 0               | 0             | 0          | <b>0</b>         |
| Copper                                     | 0           | 0              | 0                | 0               | 0             | 0          | <b>0</b>         |
| Cast/Wrought Iron                          | 0           | 0              | 0                | 0               | 0             | 0          | <b>0</b>         |
| PVC                                        | 0           | 0              | 0                | 0               | 0             | 0          | <b>0</b>         |
| PE                                         | 0.4         | 21058.5        | 7685.819         | 1808.839        | 4             | 0          | <b>30557.59</b>  |
| ABS                                        | 0           | 0              | 0                | 0               | 0             | 0          | <b>0</b>         |
| Other Plastic                              | 0           | 0              | 0                | 0               | 0             | 0          | <b>0</b>         |
| Other                                      | 26          | 14.6           | 5.3              | 0.2             | 0             | 0          | <b>46.1</b>      |
| Reconditioned Cast Iron                    | 0           | 0              | 0                | 0               | 0             | 0          | <b>0</b>         |
| <b>Total</b>                               | <b>28.2</b> | <b>25678.6</b> | <b>11133.649</b> | <b>4394.568</b> | <b>556.86</b> | <b>204</b> | <b>41995.828</b> |

| 3. Number of Services in System at End of Year |            |                |              |              | Average Service Length (feet): |          | 100.1890909    |  |
|------------------------------------------------|------------|----------------|--------------|--------------|--------------------------------|----------|----------------|--|
| Material                                       | Unknown    | 1" or Less     | Over 1" - 2" | Over 2" - 4" | Over 4" - 8"                   | Over 8"  | Total          |  |
| Steel                                          | 3          | 185977         | 22720        | 1032         | 217                            | 7        | <b>209956</b>  |  |
| Ductile Iron                                   | 0          | 0              | 0            | 0            | 0                              | 0        | <b>0</b>       |  |
| Copper                                         | 0          | 15             | 8497         | 0            | 0                              | 0        | <b>8512</b>    |  |
| Cast/Wrought Iron                              | 0          | 0              | 0            | 0            | 0                              | 0        | <b>0</b>       |  |
| PVC                                            | 0          | 20             | 9929         | 0            | 0                              | 0        | <b>9949</b>    |  |
| PE                                             | 42         | 1486311        | 20045        | 1473         | 137                            | 0        | <b>1508008</b> |  |
| ABS                                            | 0          | 0              | 0            | 0            | 0                              | 0        | <b>0</b>       |  |
| Other Plastic                                  | 0          | 0              | 0            | 0            | 0                              | 0        | <b>0</b>       |  |
| Other                                          | 315        | 1632           | 61           | 2            | 0                              | 0        | <b>2010</b>    |  |
| Reconditioned Cast Iron                        | 0          | 0              | 0            | 0            | 0                              | 0        | <b>0</b>       |  |
| <b>Total</b>                                   | <b>360</b> | <b>1673955</b> | <b>61252</b> | <b>2507</b>  | <b>354</b>                     | <b>7</b> | <b>1738435</b> |  |

| 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 |
| Miles of Main                                                     | 155.23  | 1.1      | 14.79     | 1110.6    | 6545.397  | 4339.256  | 3876.688  | 11049.127 | 6492.256  | 6647.855  | 1763.62   |
| No. of Services                                                   | 12769   | 1451     | 937       | 30754     | 160908    | 254638    | 242779    | 350439    | 279117    | 320993    | 83650     |

| PART C - TOTAL LEAKS AND HAZARDOUS LEAKS/ELIMINATED/REPAIRED DURING THE YEAR |       |           |          |           |
|------------------------------------------------------------------------------|-------|-----------|----------|-----------|
| Cause of Leak                                                                | Mains |           | Services |           |
|                                                                              | Total | Hazardous | Total    | Hazardous |
| Corrosion                                                                    | 15    | 8         | 102      | 59        |
| Natural Forces                                                               | 11    | 7         | 139      | 106       |
| Excavation Damage                                                            | 284   | 282       | 989      | 957       |
| Other Outside Force Damage                                                   | 13    | 12        | 239      | 203       |
| Pipe, Weld, or Joint Failure                                                 | 35    | 10        | 296      | 126       |
| Equipment                                                                    | 129   | 16        | 2917     | 516       |
| Incorrect Operations                                                         | 19    | 6         | 61       | 9         |
| Other                                                                        | 6     | 2         | 193      | 47        |
| <b>Number of Known System Leaks at End of Year Scheduled for Repair</b>      |       | 1128      |          |           |
| <b>Number of Hazardous Leaks Involving A Mechanical Joint</b>                |       | 150       |          |           |

| PART D - EXCAVATION DAMAGE                        |               | PART E - EXCESS FLOW VALVE (EFV) DATA                                                                       |        |
|---------------------------------------------------|---------------|-------------------------------------------------------------------------------------------------------------|--------|
| # of Excavation Damages (By Root Cause)           | 1371          | # of EFVs installed this calendar year on single family residential services                                | 26148  |
| a. One-Call Notification Practices Not Sufficient | 267           | Total number of EFVs installed in system at the end of the year                                             | 455210 |
| b. Locating Practices Not Sufficient              | 269           | # of manual service line shut-off valves installed this calendar year on single-family residential services | 1077   |
| c. Excavation Practices Not Sufficient            | 818           | Total number of manual service line shut-off valves in the system at end of year                            | 148174 |
| d. Other                                          | 17            |                                                                                                             |        |
| <b>Number of Excavation Tickets</b>               | <b>827157</b> |                                                                                                             |        |

| 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 | - |