

**MISSOURI PUBLIC SERVICE COMMISSION**

**STAFF'S DIRECT REPORT**

**APPENDIX 2**

**Staff Schedules**

**SPIRE MISSOURI, INC., d/b/a SPIRE**

**CASE NO. GO-2018-0309**  
**Spire Missouri East Service Territory**

**CASE NO. GO-2018-0310**  
**Spire Missouri West Service Territory**

*Jefferson City, Missouri*  
*May 2020*

Spire East  
Case No. GO-2018-0309

| Work Order | Relocation | Mains  |           |        |         |                                     |        |              | Service Lines |        |         |                          |        |              |
|------------|------------|--------|-----------|--------|---------|-------------------------------------|--------|--------------|---------------|--------|---------|--------------------------|--------|--------------|
|            |            | Steel  | Cast Iron | Copper | Plastic | Cast Iron, Steel, Copper, & Plastic | Total  | Disallowed % | Steel         | Copper | Plastic | Steel, Copper, & Plastic | Total  | Disallowed % |
| 900613     | No         | 127    | 3,998     |        | 836     | 4,961                               | 4,961  | 100%         | 620           | 2,501  | 6,136   | 9257                     | 9,257  | 100%         |
| 901046     | No         | 163    | 1,821     |        | 271     | 2,255                               | 2,255  | 100%         | 302           | 497    | 333     | 1132                     | 1,132  | 100%         |
| 901128     | No         | -      | -         |        | -       | -                                   | -      | 100%         | 134           | -      | 670     | 804                      | 804    | 100%         |
| 901127     | No         | 203    | 3,640     |        | 6       | 3,849                               | 3,849  | 100%         | 565           | -      | 1,019   | 1584                     | 1,584  | 100%         |
| 901130     | No         | 1,473  | 1,227     |        | 50      | 2,750                               | 2,750  | 100%         | 85            | 449    | 424     | 958                      | 958    | 100%         |
| 901400     | No         | -      | 3,809     |        | 36      | 3,845                               | 3,845  | 100%         | 830           | 620    | 6,456   | 7906                     | 7,906  | 100%         |
| 901454     | No         | 15     | 18,215    |        | 547     | 18,777                              | 18,777 | 100%         | 889           | 1,905  | 2,960   | 5754                     | 5,754  | 100%         |
| 901403     | No         | -      | 2,243     |        | -       | 2,243                               | 2,243  | 100%         | 311           | 982    | 854     | 2147                     | 2,147  | 100%         |
| 901404     | No         | 2,683  | 4,805     |        | -       | 7,488                               | 7,488  | 100%         | 893           | 2,968  | 4,065   | 7926                     | 7,926  | 100%         |
| 901522     | No         | -      | 1,881     |        | 23      | 1,904                               | 1,904  | 100%         | 199           | 83     | 3,515   | 3797                     | 3,797  | 100%         |
| 901747     | No         | -      | 1,185     |        | 15      | 1,200                               | 1,200  | 100%         | 25            | 88     | 995     | 1108                     | 1,108  | 100%         |
| 901609     | No         | -      | 2,095     |        | 107     | 2,202                               | 2,202  | 100%         | 239           | 80     | 267     | 586                      | 586    | 100%         |
| 901755     | No         | -      | 526       |        | 60      | 586                                 | 586    | 100%         | 85            | 330    | 688     | 1103                     | 1,103  | 100%         |
| 901603     | No         | -      | -         |        | 1       | 1                                   | 1      | 100%         | 27            | 49     | 464     | 540                      | 540    | 100%         |
| 901802     | No         | -      | -         |        | -       | -                                   | -      | 100%         | 1,799         | 1,441  | 1,781   | 5021                     | 5,021  | 100%         |
| 901908     | No         | 944    | 1,095     |        | 51      | 2,090                               | 2,090  | 100%         | 89            | 503    | 783     | 1375                     | 1,375  | 100%         |
| 901900     | No         | -      | 1,736     |        | -       | 1,736                               | 1,736  | 100%         | 162           | 176    | 430     | 768                      | 768    | 100%         |
| 901964     | No         | -      | 530       |        | -       | 530                                 | 530    | 100%         | -             | 37     | 232     | 269                      | 269    | 100%         |
| 902041     | No         | -      | 338       |        | -       | 338                                 | 338    | 100%         | 0             | 336    | 24      | 360                      | 360    | 100%         |
| 900992     | No         | 1331   | 4,883     |        | 649     | 6,863                               | 6,863  | 100%         | 1353          | 492    | 1246    | 3091                     | 3,091  | 100%         |
| 900997     | No         | -      | 2,384     |        | 494     | 2,878                               | 2,878  | 100%         | 370           | 1150   | 1,873   | 3393                     | 3,393  | 100%         |
| 900995     | No         | 10     | 7,952     |        | 121     | 8,083                               | 8,083  | 100%         | 1,540         | 130    | 1474    | 3144                     | 3,144  | 100%         |
| 901046     | No         | 163    | 1,821     |        | 271     | 2,255                               | 2,255  | 100%         | 302           | 497    | 333     | 1132                     | 1,132  | 100%         |
| 901042     | No         | 18     | 4,838     |        | 327     | 5,183                               | 5,183  | 100%         | 265           | 862    | 409     | 1536                     | 1,536  | 100%         |
| 901095     | No         | -      | 8,280     |        | 62      | 8,342                               | 8,342  | 100%         | 1,731         | 6695   | 3317    | 11743                    | 11,743 | 100%         |
| 901043     | No         | -      | 7,792     |        | 242     | 8,034                               | 8,034  | 100%         | 1,184         | 544    | 2055    | 3783                     | 3,783  | 100%         |
| 901045     | No         | 295    | 3,664     |        | 491     | 4,450                               | 4,450  | 100%         | 257           | 896    | 2161    | 3314                     | 3,314  | 100%         |
| 901127     | No         | 203    | 3,640     |        | 6       | 3,849                               | 3,849  | 100%         | 565           | 0      | 1019    | 1584                     | 1,584  | 100%         |
| 901237     | No         | 221    | 3,756     |        | 88      | 4,065                               | 4,065  | 100%         | 702           | 4150   | 2748    | 7600                     | 7,600  | 100%         |
| 901274     | No         | -      | 9,227     |        | 490     | 9,717                               | 9,717  | 100%         | 1305          | 1377   | 2763    | 5445                     | 5,445  | 100%         |
| 901275     | No         | -      | 4,541     |        | 42      | 4,583                               | 4,583  | 100%         | 702           | 1066   | 2530    | 4298                     | 4,298  | 100%         |
| 901207     | No         | 16,016 | 9,696     |        | 2,342   | 28,054                              | 28,054 | 100%         | 907           | 492    | 1058    | 2457                     | 2,457  | 100%         |
| 901276     | No         | -      | 7,418     |        | 12      | 7,430                               | 7,430  | 100%         | 924           | 1973   | 5988    | 8885                     | 8,885  | 100%         |
| 901281     | No         | 480    | 6,578     |        | 977     | 8,035                               | 8,035  | 100%         | 556           | 57     | 686     | 1299                     | 1,299  | 100%         |
| 901388     | No         | -      | 1,247     |        | 2,295   | 3,542                               | 3,542  | 100%         | 502           | 497    | 6203    | 7202                     | 7,202  | 100%         |
| 901395     | No         | -      | -         |        | -       | -                                   | -      | 100%         | 543           | 354    | 3099    | 3996                     | 3,996  | 100%         |
| 900943     | No         | 48     | 280       |        | -       | 328                                 | 328    | 100%         | 285           | 0      | 100     | 385                      | 385    | 100%         |
| 901400     | No         | -      | 3,809     |        | 36      | 3,845                               | 3,845  | 100%         | 830           | 620    | 6456    | 7906                     | 7,906  | 100%         |
| 901454     | No         | -      | -         |        | -       | -                                   | -      | 100%         | -             | -      | -       | 0                        | -      | 100%         |
| 901401     | No         | -      | 5,648     |        | -       | 5,648                               | 5,648  | 100%         | 464           | 1417   | 6434    | 8315                     | 8,315  | 100%         |
| 901439     | Yes        | 2,120  | -         |        | 57      | 2,177                               | 2,177  | 0%           | 1495          | 0      | 699     | 2194                     | 2,194  | 0%           |
| 901404     | No         | 2,683  | 4,805     |        | -       | 7,488                               | 7,488  | 100%         | 893           | 2968   | 4065    | 7926                     | 7,926  | 100%         |
| 901405     | No         | -      | 2,634     |        | 51      | 2,685                               | 2,685  | 100%         | 251           | 1190   | 1544    | 2985                     | 2,985  | 100%         |
| 901406     | No         | -      | 5,830     |        | 48      | 5,878                               | 5,878  | 100%         | 192           | 455    | 5704    | 6351                     | 6,351  | 100%         |
| 901432     | No         | 415    | -         |        | 1,849   | 2,264                               | 2,264  | 100%         | 350           | 29     | 454     | 833                      | 833    | 100%         |
| 901534     | No         | 1,554  | 2,638     |        | 1,421   | 5,613                               | 5,613  | 100%         | 380           | 110    | 263     | 753                      | 753    | 100%         |
| 901457     | No         | 2,157  | 2,441     |        | 1,415   | 6,013                               | 6,013  | 100%         | -             | 0      | 844     | 844                      | 844    | 100%         |

Spire East  
Case No. GO-2018-0309

| Work Order | Relocation | Mains |           |        |         |                                     |       |              | Service Lines |        |         |                          |       |              |
|------------|------------|-------|-----------|--------|---------|-------------------------------------|-------|--------------|---------------|--------|---------|--------------------------|-------|--------------|
|            |            | Steel | Cast Iron | Copper | Plastic | Cast Iron, Steel, Copper, & Plastic | Total | Disallowed % | Steel         | Copper | Plastic | Steel, Copper, & Plastic | Total | Disallowed % |
| 901516     | No         | 0     | 4,844     |        | 29      | 4,873                               | 4,873 | 100%         | 1071          | 1792   | 1663    | 4526                     | 4,526 | 100%         |
| 901548     | No         | 10    | 1,475     |        | 432     | 1,917                               | 1,917 | 100%         | 221           | 1702   | 1302    | 3225                     | 3,225 | 100%         |
| 901522     | No         | -     | 1,881     |        | 23      | 1,904                               | 1,904 | 100%         | 199           | 83     | 3515    | 3797                     | 3,797 | 100%         |
| 901606     | No         | 96    | -         |        | -       | 96                                  | 96    | 100%         | 0             | 0      | 0       | 0                        | -     | 100%         |
| 901407     | No         | 506   | -         |        | -       | 506                                 | 506   | 100%         | 0             | 1622   | 3264    | 4886                     | 4,886 | 100%         |
| 901673     | No         | 0     | -         |        | -       | -                                   | -     | 100%         | 294           | 461    | 4647    | 5402                     | 5,402 | 100%         |
| 901751     | No         | 0     | 1,403     |        | -       | 1,403                               | 1,403 | 100%         | 89            | 3411   | 1092    | 4592                     | 4,592 | 100%         |
| 901596     | No         | 0     | 2,912     |        | -       | 2,912                               | 2,912 | 100%         | 273           | 1200   | 2166    | 3639                     | 3,639 | 100%         |
| 901745     | No         | 0     | 1,567     |        | 14      | 1,581                               | 1,581 | 100%         | 385           | 561    | 1095    | 2041                     | 2,041 | 100%         |
| 901746     | No         | 0     | 1,480     |        | 10      | 1,490                               | 1,490 | 100%         | 247           | 1599   | 1450    | 3296                     | 3,296 | 100%         |
| 901748     | No         | 0     | 1,422     |        | 224     | 1,646                               | 1,646 | 100%         | 166           | 740    | 2762    | 3668                     | 3,668 | 100%         |
| 901760     | No         | 0     | 1,419     |        | -       | 1,419                               | 1,419 | 100%         | 1108          | 531    | 2428    | 4067                     | 4,067 | 100%         |
| 901749     | No         | 0     | 1,095     |        | 1,321   | 2,416                               | 2,416 | 100%         | 1034          | 1646   | 3340    | 6020                     | 6,020 | 100%         |
| 901677     | No         | 0     | 2,534     |        | -       | 2,534                               | 2,534 | 100%         | 1124          | 163    | 3093    | 4380                     | 4,380 | 100%         |
| 901629     | Yes        | 382   | -         |        | -       | 382                                 | 382   | 0%           | 0             | 0      | 135     | 135                      | 135   | 0%           |
| 901564     | No         | 0     | 1,140     |        | -       | 1,140                               | 1,140 | 100%         | 428           | 155    | 1632    | 2215                     | 2,215 | 100%         |
| 901792     | No         | 0     | 3,662     |        | 810     | 4,472                               | 4,472 | 100%         | 400           | 1201   | 3887    | 5488                     | 5,488 | 100%         |
| 901903     | No         | 0     | 827       |        | -       | 827                                 | 827   | 100%         | 204           | 160    | 1367    | 1731                     | 1,731 | 100%         |
| 901907     | No         | 0     | 1,358     |        | -       | 1,358                               | 1,358 | 100%         | 1221          | 313    | 2094    | 3628                     | 3,628 | 100%         |
| 901916     | No         | 0     | 499       |        | -       | 499                                 | 499   | 100%         | 0             | 0      | 2294    | 2294                     | 2,294 | 100%         |
| 901915     | No         | 0     | 920       |        | -       | 920                                 | 920   | 100%         | 366           | 25     | 1380    | 1771                     | 1,771 | 100%         |
| 902024     | Yes        | 0     | 1,261     |        | -       | 1,261                               | 1,261 | 0%           | 381           | 49     | 552     | 982                      | 982   | 0%           |
| 901967     | No         | 0     | 699       |        | -       | 699                                 | 699   | 100%         | 516           | 959    | 422     | 1897                     | 1,897 | 100%         |
| 901988     | No         | 0     | 783       |        | 13      | 796                                 | 796   | 100%         | 136           | 206    | 562     | 904                      | 904   | 100%         |
| 901974     | No         | 0     | 535       |        | -       | 535                                 | 535   | 100%         | 23            | 174    | 90      | 287                      | 287   | 100%         |
| 901987     | No         | 0     | 638       |        | -       | 638                                 | 638   | 100%         | 322           | 291    | 1455    | 2068                     | 2,068 | 100%         |
| 902100     | No         | 0     | 993       |        | -       | 993                                 | 993   | 100%         | 81            | 0      | 793     | 874                      | 874   | 100%         |
| 901047     | No         | 356   | 6,405     |        | -       | 6,761                               | 6,761 | 100%         | 434           | 1478   | 2567    | 4479                     | 4,479 | 100%         |
| 901133     | NO         | 874   | 737       |        | -       | 1,611                               | 1,611 | 100%         | 666           | 453    | 2724    | 3843                     | 3,843 | 100%         |
| 901132     | No         | 517   | 4,465     |        | 1,296   | 6,278                               | 6,278 | 100%         | 579           | 2006   | 2500    | 5085                     | 5,085 | 100%         |
| 901239     | No         | 0     | -         |        | 233     | 233                                 | 233   | 100%         | 795           | 1847   | 3459    | 6101                     | 6,101 | 100%         |
| 901408     | No         | 0     | 6,985     |        | 2,328   | 9,313                               | 9,313 | 100%         | 140           | 3238   | 4016    | 7394                     | 7,394 | 100%         |
| 901409     | No         | 140   | 3,338     |        | 254     | 3,732                               | 3,732 | 100%         | 122           | 658    | 2092    | 2872                     | 2,872 | 100%         |
| 901563     | No         | 0     | 2,863     |        | -       | 2,863                               | 2,863 | 100%         | 956           | 713    | 2166    | 3835                     | 3,835 | 100%         |
| 901610     | No         | 0     | 4,846     |        | 135     | 4,981                               | 4,981 | 100%         | 456           | 544    | 2207    | 3207                     | 3,207 | 100%         |
| 901804     | No         | 5858  | -         |        | 457     | 6,315                               | 6,315 | 100%         | 6356          | 549    | 2008    | 8913                     | 8,913 | 100%         |
| 901611     | No         | 207   | 2,593     | 111    | 189     | 3,100                               | 3,100 | 100%         | 215           | 1142   | 3515    | 4872                     | 4,872 | 100%         |
| 902026     | Yes        | 0     | 1,988     |        | -       | 1,988                               | 1,988 | 0%           | 1642          | 2249   | 2127    | 6018                     | 6,018 | 0%           |
| 901975     | No         | 0     | 841       |        | -       | 841                                 | 841   | 100%         | 101           | 0      | 1642    | 1743                     | 1,743 | 100%         |
| 902155     | No         | 0     | 1,481     |        | -       | 1,481                               | 1,481 | 100%         | 47            | 0      | 44      | 91                       | 91    | 100%         |
| 901901     | No         | 0     | -         |        | 1,704   | 1,704                               | 1,704 | 100%         | 257           | 1350   | 276     | 1883                     | 1,883 | 100%         |
| 901959     | No         | 156   | 3,354     |        | -       | 3,510                               | 3,510 | 100%         | 803           | 3334   | 911     | 5048                     | 5,048 | 100%         |
| 901962     | No         | 0     | 2,852     |        | -       | 2,852                               | 2,852 | 100%         | 110           | 206    | 1049    | 1365                     | 1,365 | 100%         |
| 901972     | No         | 0     | 1,132     |        | 589     | 1,721                               | 1,721 | 100%         | 67            | 45     | 74      | 186                      | 186   | 100%         |
| 902102     | Yes        | 447   | 781       |        | 263     | 1,491                               | 1,491 | 0%           | 77            | 80     | 196     | 353                      | 353   | 0%           |
| 900147     | Yes        | 455   | -         |        | 860     | 1,315                               | 1,315 | 0%           | 0             | 0      | 0       | 0                        | -     | 0%           |
| 900994     | No         | 146   | 4,719     |        | -       | 4,865                               | 4,865 | 100%         | 2040          | 0      | 1233    | 3273                     | 3,273 | 100%         |

Spire East  
Case No. GO-2018-0309

| Work Order | Relocation | Mains |           |        |         |                                     |        |              | Service Lines |        |         |                          |       |              |      |
|------------|------------|-------|-----------|--------|---------|-------------------------------------|--------|--------------|---------------|--------|---------|--------------------------|-------|--------------|------|
|            |            | Steel | Cast Iron | Copper | Plastic | Cast Iron, Steel, Copper, & Plastic | Total  | Disallowed % | Steel         | Copper | Plastic | Steel, Copper, & Plastic | Total | Disallowed % |      |
| 901094     | No         | 12    | 8,216     |        | -       |                                     | 8,228  | 8,228        | 100%          | 2334   | 1478    | 2832                     | 6644  | 6,644        | 100% |
| 901049     | No         | 0     | 3,094     |        | 568     |                                     | 3,662  | 3,662        | 100%          | 352    | 1760    | 2134                     | 4246  | 4,246        | 100% |
| 901129     | No         | 478   | 1,545     |        | 1,674   |                                     | 3,697  | 3,697        | 100%          | 415    | 1767    | 762                      | 2944  | 2,944        | 100% |
| 901494     | No         | 172   | 2,802     |        | 135     |                                     | 3,109  | 3,109        | 100%          | 703    | 991     | 2496                     | 4190  | 4,190        | 100% |
| 901475     | No         | 586   | 1,513     |        | 957     |                                     | 3,056  | 3,056        | 100%          | 183    | 487     | 4782                     | 5452  | 5,452        | 100% |
| 901547     | No         | 0     | 1,149     |        | 877     |                                     | 2,026  | 2,026        | 100%          | 450    | 178     | 3397                     | 4025  | 4,025        | 100% |
| 901621     | No         | 166   | 1,746     |        | -       |                                     | 1,912  | 1,912        | 100%          | 638    | 1532    | 1945                     | 4115  | 4,115        | 100% |
| 901773     | No         | 549   | -         |        | 465     |                                     | 1,014  | 1,014        | 100%          | 158    | 0       | 58                       | 216   | 216          | 100% |
| 901774     | No         | 809   | 557       |        | 191     |                                     | 1,557  | 1,557        | 100%          | 144    | 0       | 153                      | 297   | 297          | 100% |
| 901905     | No         | 0     | 1,656     | -      | -       |                                     | 1,656  | 1,656        | 100%          | 162    | 1317    | 3142                     | 4621  | 4,621        | 100% |
| 901914     | No         | 73    | 603       | -      | 60      |                                     | 736    | 736          | 100%          | 546    | 198     | 1635                     | 2379  | 2,379        | 100% |
| 902101     | Yes        | 0     | 2,846     | -      | -       |                                     | 2,846  | 2,846        | 0%            | 0      | 164     | 2042                     | 2206  | 2,206        | 0%   |
| 901529     | No         | 2888  | -         | -      | -       |                                     | 2,888  | 2,888        | 100%          | 1958   | 0       | 116                      | 2074  | 2,074        | 100% |
| 901084     | No         |       |           |        |         |                                     | -      | -            | 100%          |        |         |                          | 0     | -            | 100% |
| 901101     | No         |       |           |        |         |                                     | -      | -            | 100%          |        |         |                          | 0     | -            | 100% |
| 901092     | No         |       | 8,280     |        | 62      |                                     | 8,342  | 8,342        | 100%          | 1731   | 6695    | 3317                     | 11743 | 11,743       | 100% |
| 901050     | No         | 553   | 3,823     |        | 188     |                                     | 4,564  | 4,564        | 100%          | 540    | 131     | 375                      | 1046  | 1,046        | 100% |
| 901124     | No         |       |           |        |         |                                     | -      | -            | 0%            |        | 117     | 1                        | 118   | 118          | 100% |
| 901126     | No         | 303   | 3,321     |        | 1,171   |                                     | 4,795  | 4,795        | 100%          | 498    | 1687    | 2811                     | 4996  | 4,996        | 100% |
| 901134     | No         | 330   | 3,229     |        | 11      |                                     | 3,570  | 3,570        | 100%          | 194    | 826     | 2284                     | 3304  | 3,304        | 100% |
| 901135     | No         | 14    | 4,312     |        | 654     |                                     | 4,980  | 4,980        | 100%          | 542    | 205     | 1288                     | 2035  | 2,035        | 100% |
| 901190     | No         |       | 645       |        |         |                                     | 645    | 645          | 100%          | 333    | 427     | 1670                     | 2430  | 2,430        | 100% |
| 901188     | No         |       | 1,325     |        |         |                                     | 1,325  | 1,325        | 100%          | 100    | 166     | 1950                     | 2216  | 2,216        | 100% |
| 901373     | No         | 819   | 6,390     |        | 1,427   |                                     | 8,636  | 8,636        | 100%          | 462    | 206     | 937                      | 1605  | 1,605        | 100% |
| 901296     | No         | 1116  | 3,284     |        | 275     |                                     | 4,675  | 4,675        | 100%          | 212    | 232     | 2285                     | 2729  | 2,729        | 100% |
| 901240     | No         | 20    | 4,540     |        |         |                                     | 4,560  | 4,560        | 100%          | 166    | 2337    | 2101                     | 4604  | 4,604        | 100% |
| 901385     | No         | 2140  |           |        |         |                                     | 2,140  | 2,140        | 100%          |        |         |                          | 0     | -            | 100% |
| 901434     | No         | 1175  |           |        |         |                                     | 1,175  | 1,175        | 100%          | 449    |         |                          | 449   | 449          | 100% |
| 901440     | No         | 1460  |           |        |         |                                     | 1,460  | 1,460        | 100%          |        |         |                          | 0     | -            | 100% |
| 901386     | No         | 479   | 5,338     |        |         |                                     | 5,817  | 5,817        | 100%          | 1013   | 2677    | 4213                     | 7903  | 7,903        | 100% |
| 901241     | No         |       | 5,879     |        | 7       |                                     | 5,886  | 5,886        | 100%          | 641    | 5368    | 3423                     | 9432  | 9,432        | 100% |
| 901456     | No         | 1051  |           |        |         |                                     | 1,051  | 1,051        | 100%          | 992    |         |                          | 992   | 992          | 100% |
| 901450     | No         | 783   |           |        |         |                                     | 783    | 783          | 100%          | 1235   |         | 7                        | 1242  | 1,242        | 100% |
| 901249     | No         | 1006  | 13,302    |        | 3,400   |                                     | 17,708 | 17,708       | 100%          | 1070   | 2368    | 2533                     | 5971  | 5,971        | 100% |
| 901277     | No         |       |           |        |         |                                     | -      | -            | 100%          |        |         |                          | 0     | -            | 100% |
| 901389     | No         | 1786  | 2,254     |        | 24      |                                     | 4,064  | 4,064        | 100%          | 120    | 1664    | 2019                     | 3803  | 3,803        | 100% |
| 901488     | Yes        |       |           |        |         |                                     | -      | -            | 0%            |        |         |                          | 0     | -            | 0%   |
| 901399     | No         | 137   | 4,083     |        | 1,172   |                                     | 5,392  | 5,392        | 100%          | 737    | 976     | 5125                     | 6838  | 6,838        | 100% |
| 901300     | No         |       | 2,979     |        |         |                                     | 2,979  | 2,979        | 100%          | 1056   |         | 2644                     | 3700  | 3,700        | 100% |
| 901452     | Yes        | 790   |           |        | 304     |                                     | 1,094  | 1,094        | 0%            | 140    |         | 14                       | 154   | 154          | 0%   |
| 901481     | Yes        | 15    |           |        | 14      |                                     | 29     | 29           | 0%            |        |         |                          | 0     | -            | 0%   |
| 901576     | No         |       |           |        |         |                                     | -      | -            | 100%          | 321    | 468     | 2960                     | 3749  | 3,749        | 100% |
| 901523     | No         |       | 700       |        |         |                                     | 700    | 700          | 100%          | 270    | 412     | 958                      | 1640  | 1,640        | 100% |
| 900950     | No         |       |           |        |         |                                     | -      | -            | 100%          |        | 98      | 3                        | 101   | 101          | 100% |
| 901165     | No         |       |           |        | 237     |                                     | 237    | 237          | 100%          |        | 112     |                          | 112   | 112          | 100% |
| 901599     | No         |       |           |        |         |                                     | -      | -            | 100%          |        |         |                          | 0     | -            | 100% |
| 900958     | No         |       |           |        |         |                                     | -      | -            | 100%          |        |         | 42                       | 42    | 42           | 100% |

Spire East  
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| Work Order | Relocation | Mains |           |        |         |                                     |        | Service Lines |       |        |         |                          |       |              |      |
|------------|------------|-------|-----------|--------|---------|-------------------------------------|--------|---------------|-------|--------|---------|--------------------------|-------|--------------|------|
|            |            | Steel | Cast Iron | Copper | Plastic | Cast Iron, Steel, Copper, & Plastic | Total  | Disallowed %  | Steel | Copper | Plastic | Steel, Copper, & Plastic | Total | Disallowed % |      |
| 901597     | No         |       |           |        |         | -                                   | -      | 100%          |       |        |         |                          | 0     | -            | 100% |
| 901666     | No         | 29    |           |        |         | 29                                  | 29     | 100%          |       |        | 115     |                          | 115   | 115          | 100% |
| 901518     | No         | 32    | 1,299     |        | 34      | 1,365                               | 1,365  | 100%          | 61    | 513    | 2400    |                          | 2974  | 2,974        | 100% |
| 901520     | No         |       | 634       |        |         | 634                                 | 634    | 100%          |       | 198    | 458     |                          | 656   | 656          | 100% |
| 901362     | No         | 115   | 2,117     |        | 1,015   | 3,247                               | 3,247  | 100%          | 73    | 98     | 500     |                          | 671   | 671          | 100% |
| 901686     | Yes        | 172   |           |        |         | 172                                 | 172    | 0%            |       |        |         |                          | 0     | -            | 0%   |
| 901605     | Yes        | 17    |           |        |         | 17                                  | 17     | 0%            |       |        |         |                          | 0     | -            | 0%   |
| 901581     | Yes        |       |           |        | 164     | 164                                 | 164    | 0%            |       |        |         |                          | 0     | -            | 0%   |
| 901713     | No         | 298   | 129       |        |         | 427                                 | 427    | 100%          |       |        | 223     |                          | 223   | 223          | 100% |
| 901589     | No         |       |           |        |         | -                                   | -      | 100%          |       |        |         |                          | 0     | -            | 100% |
| 901569     | Yes        | 433   |           |        |         | 433                                 | 433    | 0%            |       |        | 11      |                          | 11    | 11           | 0%   |
| 901593     | No         |       |           |        |         | -                                   | -      | 100%          |       |        |         |                          | 0     | -            | 100% |
| 901766     | Yes        | 150   |           |        |         | 150                                 | 150    | 0%            |       |        |         |                          | 0     | -            | 0%   |
| 901592     | No         |       |           |        |         | -                                   | -      | 100%          |       |        |         |                          | 0     | -            | 100% |
| 901624     | No         |       |           |        |         | -                                   | -      | 100%          |       |        |         |                          | 0     | -            | 100% |
| 901758     | No         |       | 1,441     |        |         | 1,441                               | 1,441  | 100%          | 127   | 41     |         |                          | 168   | 168          | 100% |
| 901698     | No         |       | 439       |        |         | 439                                 | 439    | 100%          | 65    | 34     | 914     |                          | 1013  | 1,013        | 100% |
| 901699     | No         |       | 2,920     |        |         | 2,920                               | 2,920  | 100%          | 650   | 664    | 2892    |                          | 4206  | 4,206        | 100% |
| 901466     | No         |       |           |        |         | -                                   | -      | 100%          | 251   | 814    | 1857    |                          | 2922  | 2,922        | 100% |
| 901309     | No         |       | 3,993     |        | 957     | 4,950                               | 4,950  | 100%          | 1108  | 241    | 2314    |                          | 3663  | 3,663        | 100% |
| 901780     | No         |       | 919       |        | 1,712   | 2,631                               | 2,631  | 100%          | 688   | 450    | 3484    |                          | 4622  | 4,622        | 100% |
| 901742     | No         |       | 363       |        | 10      | 373                                 | 373    | 100%          | 55    | 155    | 145     |                          | 355   | 355          | 100% |
| 901467     | No         |       | 3,765     |        | 20      | 3,785                               | 3,785  | 100%          | 819   | 1286   | 1580    |                          | 3685  | 3,685        | 100% |
| 901753     | No         |       | 356       |        |         | 356                                 | 356    | 100%          |       | 115    | 98      |                          | 213   | 213          | 100% |
| 901750     | No         |       | 697       |        |         | 697                                 | 697    | 100%          | 318   |        | 90      |                          | 408   | 408          | 100% |
| 901743     | No         |       | 2,445     |        |         | 2,445                               | 2,445  | 100%          | 190   | 158    | 484     |                          | 832   | 832          | 100% |
| 901759     | No         | 20    | 1,043     |        | 4       | 1,067                               | 1,067  | 100%          | 9     | 792    | 138     |                          | 939   | 939          | 100% |
| 901744     | No         | 108   | 2,156     |        |         | 2,264                               | 2,264  | 100%          | 238   | 129    | 562     |                          | 929   | 929          | 100% |
| 901602     | No         |       |           |        |         | -                                   | -      | 100%          | 1005  | 32     | 105     |                          | 1142  | 1,142        | 100% |
| 901756     | No         |       | 741       |        |         | 741                                 | 741    | 100%          | 101   | 1003   | 278     |                          | 1382  | 1,382        | 100% |
| 901598     | No         |       |           |        |         | -                                   | -      | 100%          |       |        |         |                          | 0     | -            | 100% |
| 901630     | No         |       |           |        |         | -                                   | -      | 100%          |       |        | 152     |                          | 152   | 152          | 100% |
| 901678     | No         |       | 2,971     |        |         | 2,971                               | 2,971  | 100%          | 1873  | 560    | 4669    |                          | 7102  | 7,102        | 100% |
| 901310     | No         | 345   | 7,028     |        | 2,017   | 9,390                               | 9,390  | 100%          | 77    | 548    | 3226    |                          | 3851  | 3,851        | 100% |
| 901410     | No         |       | 10,432    |        | 440     | 10,872                              | 10,872 | 100%          | 939   | 1252   | 4783    |                          | 6974  | 6,974        | 100% |
| 901777     | Yes        | 396   |           |        |         | 396                                 | 396    | 0%            | 44    |        |         |                          | 44    | 44           | 0%   |
| 901312     | No         | 141   | 4,434     |        | 10      | 4,585                               | 4,585  | 100%          | 168   | 597    | 1238    |                          | 2003  | 2,003        | 100% |
| 901798     | Yes        | 1157  |           |        | 14      | 1,171                               | 1,171  | 0%            | 52    |        | 368     |                          | 420   | 420          | 0%   |
| 901679     | No         |       | 2,256     |        | 122     | 2,378                               | 2,378  | 100%          | 577   | 667    | 4101    |                          | 5345  | 5,345        | 100% |
| 901314     | No         |       | 3,421     |        |         | 3,421                               | 3,421  | 100%          | 398   | 2870   | 2681    |                          | 5949  | 5,949        | 100% |
| 901811     | Yes        |       |           |        | 73      | 73                                  | 73     | 0%            |       |        |         |                          | 0     | -            | 0%   |
| 900947     | No         |       |           | 85     | 5       | 90                                  | 90     | 100%          |       |        |         |                          | 0     | -            | 100% |
| 901315     | No         | 10    | 5,235     |        | 761     | 6,006                               | 6,006  | 100%          | 606   | 1234   | 2662    |                          | 4502  | 4,502        | 100% |
| 901828     | Yes        | 293   |           |        |         | 293                                 | 293    | 0%            | 123   |        |         |                          | 123   | 123          | 0%   |
| 901849     | Yes        | 737   |           |        |         | 737                                 | 737    | 0%            |       |        | 91      |                          | 91    | 91           | 0%   |
| 901836     | Yes        | 62    |           |        | 363     | 425                                 | 425    | 0%            |       |        | 54      |                          | 54    | 54           | 0%   |
| 901834     | Yes        | 148   |           |        |         | 148                                 | 148    | 0%            |       |        | 123     |                          | 123   | 123          | 0%   |

Spire East  
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| Work Order | Relocation | Mains |           |        |         |                                     |       | Service Lines |       |        |         |                          |       |              |
|------------|------------|-------|-----------|--------|---------|-------------------------------------|-------|---------------|-------|--------|---------|--------------------------|-------|--------------|
|            |            | Steel | Cast Iron | Copper | Plastic | Cast Iron, Steel, Copper, & Plastic | Total | Disallowed %  | Steel | Copper | Plastic | Steel, Copper, & Plastic | Total | Disallowed % |
| 901912     | No         | 10    | 1,041     |        |         | 1,051                               | 1,051 | 100%          | 88    | 76     | 13      | 177                      | 177   | 100%         |
| 901911     | No         |       | 463       |        |         | 463                                 | 463   | 100%          | 24    |        | 20      | 44                       | 44    | 100%         |
| 901934     | Yes        | 680   |           |        |         | 680                                 | 680   | 0%            |       |        |         | 0                        | -     | 0%           |
| 901909     | No         |       | 47        |        |         | 47                                  | 47    | 100%          |       |        |         | 0                        | -     | 100%         |
| 901785     | Yes        | 340   |           |        |         | 340                                 | 340   | 0%            |       |        |         | 0                        | -     | 0%           |
| 901906     | No         | 30    | 294       |        | 31      | 355                                 | 355   | 100%          | 98    | 10     | 32      | 140                      | 140   | 100%         |
| 901935     | Yes        | 256   |           |        |         | 256                                 | 256   | 0%            |       |        | 114     | 114                      | 114   | 0%           |
| 901845     | Yes        |       |           |        | 660     | 660                                 | 660   | 0%            |       |        | 44      | 44                       | 44    | 0%           |
| 901902     | No         |       | 329       |        |         | 329                                 | 329   | 100%          |       | 45     | 222     | 267                      | 267   | 100%         |
| 901913     | No         |       | 838       |        |         | 838                                 | 838   | 100%          | 100   | 32     | 439     | 571                      | 571   | 100%         |
| 901864     | No         |       | 34        |        |         | 34                                  | 34    | 100%          |       |        | 43      | 43                       | 43    | 100%         |
| 901899     | No         |       | 592       |        |         | 592                                 | 592   | 100%          |       | 51     | 220     | 271                      | 271   | 100%         |
| 901957     | Yes        | 27    |           |        | 67      | 94                                  | 94    | 0%            |       |        |         | 0                        | -     | 0%           |
| 901951     | Yes        | 15    |           |        |         | 15                                  | 15    | 0%            |       |        |         | 0                        | -     | 0%           |
| 902007     | No         |       |           |        |         | -                                   | -     | 100%          | 77    |        | 145     | 222                      | 222   | 100%         |
| 901954     | Yes        | 19    |           |        |         | 19                                  | 19    | 0%            |       |        |         | 0                        | -     | 0%           |
| 901968     | No         |       | 422       |        |         | 422                                 | 422   | 100%          | 114   |        |         | 114                      | 114   | 100%         |
| 902023     | Yes        | 241   |           |        |         | 241                                 | 241   | 0%            |       |        |         | 0                        | -     | 0%           |
| 901998     | Yes        | 243   |           |        |         | 243                                 | 243   | 0%            |       |        |         | 0                        | -     | 0%           |
| 901999     | No         |       | 1,502     |        | 10      | 1,512                               | 1,512 | 100%          | 109   | 629    | 564     | 1302                     | 1,302 | 100%         |
| 901978     | No         |       | 2,703     |        |         | 2,703                               | 2,703 | 100%          | 170   | 4685   | 1005    | 5860                     | 5,860 | 100%         |
| 902002     | Yes        | 517   |           |        | 22      | 539                                 | 539   | 0%            |       |        |         | 0                        | -     | 0%           |
| 902029     | Yes        | 335   |           |        |         | 335                                 | 335   | 0%            | 78    |        |         | 78                       | 78    | 0%           |
| 901979     | No         | 473   | 2,326     |        |         | 2,799                               | 2,799 | 100%          | 194   | 5236   | 732     | 6162                     | 6,162 | 100%         |
| 901994     | No         |       | 40        |        |         | 40                                  | 40    | 100%          |       |        |         | 0                        | -     | 100%         |
| 901969     | No         |       | 39        |        |         | 39                                  | 39    | 100%          |       |        | 10      | 10                       | 10    | 100%         |
| 901894     | Yes        | 409   |           |        | 3       | 412                                 | 412   | 0%            |       |        |         | 0                        | -     | 0%           |
| 902025     | No         |       | 33        |        |         | 33                                  | 33    | 100%          |       |        |         | 0                        | -     | 0%           |
| 901867     | No         | 306   | 4,674     |        | 1,692   | 6,672                               | 6,672 | 100%          | 349   | 337    | 3271    | 3957                     | 3,957 | 100%         |
| 902072     | No         |       | 47        |        |         | 47                                  | 47    | 100%          |       |        |         | 0                        | -     | 100%         |
| 901613     | No         | 325   | 3,555     |        | 179     | 4,059                               | 4,059 | 100%          | 774   | 230    | 2478    | 3482                     | 3,482 | 100%         |
| 902030     | No         | 20    | 5,764     |        | 550     | 6,334                               | 6,334 | 100%          | 647   | 2393   | 6085    | 9125                     | 9,125 | 100%         |
| 902067     | No         |       | 632       |        |         | 632                                 | 632   | 100%          | 50    | 654    | 110     | 814                      | 814   | 100%         |
| 902068     | No         |       | 36        |        |         | 36                                  | 36    | 100%          |       |        |         | 0                        | -     | 100%         |
| 902039     | No         |       | 666       |        |         | 666                                 | 666   | 100%          | 24    |        |         | 24                       | 24    | 100%         |
| 901976     | No         |       | 573       |        |         | 573                                 | 573   | 100%          |       |        |         | 0                        | -     | 100%         |
| 902092     | No         |       | 28        |        |         | 28                                  | 28    | 100%          |       |        |         | 0                        | -     | 100%         |
| 901990     | No         |       | 142       |        |         | 142                                 | 142   | 100%          |       |        |         | 0                        | -     | 100%         |
| 902081     | No         |       | 38        |        |         | 38                                  | 38    | 100%          |       |        | 32      | 32                       | 32    | 100%         |
| 902106     | Yes        |       |           |        | 145     | 145                                 | 145   | 0%            |       |        | 138     | 138                      | 138   | 0%           |
| 901973     | No         |       | 552       |        |         | 552                                 | 552   | 100%          |       | 43     | 40      | 83                       | 83    | 100%         |
| 902173     | Yes        |       |           |        | 1,485   | 1,485                               | 1,485 | 0%            |       |        |         | 0                        | -     | 0%           |
| 902108     | No         |       | 4,289     |        |         | 4,289                               | 4,289 | 100%          | 1212  | 1925   | 3861    | 6998                     | 6,998 | 100%         |
| 902090     | No         |       |           |        |         | -                                   | -     | 100%          | 488   |        | 26      | 514                      | 514   | 100%         |
| 902207     | No         |       | 40        |        |         | 40                                  | 40    | 100%          |       |        |         | 0                        | -     | 100%         |
| 902200     | No         |       | 29        |        |         | 29                                  | 29    | 100%          |       |        |         | 52                       | 52    | 100%         |
| 902201     | No         |       | 97        |        |         | 97                                  | 97    | 100%          | 52    |        |         | 0                        | -     | 100%         |

Spire East  
Case No. GO-2018-0309

| Work Order | Relocation | Mains |           |        |         |                                     |       |              |
|------------|------------|-------|-----------|--------|---------|-------------------------------------|-------|--------------|
|            |            | Steel | Cast Iron | Copper | Plastic | Cast Iron, Steel, Copper, & Plastic | Total | Disallowed % |
| 902045     | Yes        | 119   |           |        |         | 119                                 | 119   | 0%           |
| 902166     | No         |       | 268       |        |         | 268                                 | 268   | 100%         |
| 902226     | No         |       | 378       |        |         | 378                                 | 378   | 100%         |
| 902281     | No         |       | 1,568     |        |         | 1,568                               | 1,568 | 100%         |
| 902235     | No         |       | 677       |        |         | 677                                 | 677   | 100%         |
| 902323     | No         |       | 583       |        |         | 583                                 | 583   | 100%         |
| 901093     | No         |       | 3,441     |        |         | 3,441                               | 3,441 | 100%         |
| 901051     | No         | 1950  | 4,134     |        | 381     | 6,465                               | 6,465 | 100%         |
| 900069     | No         | 542   | 8,973     |        | 289     | 9,804                               | 9,804 | 100%         |

**Total Disallowed** 568,839  
**Total Footage** 591,184  
**Overall Percentage Disallowed** 96.22%

| Service Lines |        |         |                          |       |              |      |
|---------------|--------|---------|--------------------------|-------|--------------|------|
| Steel         | Copper | Plastic | Steel, Copper, & Plastic | Total | Disallowed % |      |
|               |        |         |                          | 0     | -            | 0%   |
|               |        |         |                          | 0     | -            | 100% |
|               |        |         |                          | 0     | -            | 100% |
|               |        | 65      | 664                      | 729   | 729          | 100% |
|               |        |         |                          | 0     | -            | 100% |
|               |        |         | 74                       | 74    | 74           | 100% |
| 1473          | 2512   | 4967    |                          | 8952  | 8,952        | 100% |
| 1195          | 132    | 670     |                          | 1997  | 1,997        | 100% |
| 1040          | 261    | 623     |                          | 1924  | 1,924        | 100% |

**Total Disallowed** 548,420  
**Total Footage** 561,702  
**Overall Percentage Disallowed** 97.64%

Spire West  
Case No. GO-2018-0310

| Work Order | Relocation | Mains  |           |         |                             |        |              | Service Lines |        |         |                          |       |              |
|------------|------------|--------|-----------|---------|-----------------------------|--------|--------------|---------------|--------|---------|--------------------------|-------|--------------|
|            |            | Steel  | Cast Iron | Plastic | Cast Iron, Steel, & Plastic | Total  | Disallowed % | Steel         | Copper | Plastic | Steel, Copper, & Plastic | Total | Disallowed % |
| 800039     | No         | 4459   | 4994      | -       | 9,453                       | 9,453  | 100%         | 98            | -      | 2389    | 2487                     | 2,487 | 100%         |
| 800152     | No         | -      | 1,931     | -       | 1,931                       | 1,931  | 100%         | 218           | -      | 1,222   | 1440                     | 1,440 | 100%         |
| 800045     | No         | 4,273  | -         | 492     | 4,765                       | 4,765  | 100%         | -             | -      | 1,411   | 1411                     | 1,411 | 100%         |
| 800142     | No         | 5      | 4,785     | 6       | 4,796                       | 4,796  | 100%         | 927           | -      | 1,215   | 2142                     | 2,142 | 100%         |
| 800163     | No         | 5,506  | -         | 147     | 5,653                       | 5,653  | 100%         | 42            | -      | 1,811   | 1853                     | 1,853 | 100%         |
| 800132     | No         | 4,220  | -         | 235     | 4,455                       | 4,455  | 100%         | 83            | -      | 1,137   | 1220                     | 1,220 | 100%         |
| 800073     | No         | 13,794 | -         | 436     | 14,230                      | 14,230 | 100%         | 1             | -      | 3,011   | 3012                     | 3,012 | 100%         |
| 800154     | No         | 633    | 4,543     | 45      | 5,221                       | 5,221  | 100%         | 449           | -      | 2,048   | 2497                     | 2,497 | 100%         |
| 800143     | No         | 151    | 3,814     | 13      | 3,978                       | 3,978  | 100%         | 1,970         | -      | 1,214   | 3184                     | 3,184 | 100%         |
| 800257     | No         | 10,304 | -         | 808     | 11,112                      | 11,112 | 100%         | 34            | -      | 2,488   | 2522                     | 2,522 | 100%         |
| 800122     | No         | 11,149 | -         | 979     | 12,128                      | 12,128 | 100%         | 23            | -      | 1,327   | 1350                     | 1,350 | 100%         |
| 800261     | No         | 8,796  | -         | 100     | 8,896                       | 8,896  | 100%         | -             | -      | 2,130   | 2130                     | 2,130 | 100%         |
| 800145     | No         | 1,432  | 3,234     | 496     | 5,162                       | 5,162  | 100%         | 849           | -      | 1,130   | 1979                     | 1,979 | 100%         |
| 800558     | No         | 4,082  | -         | 177     | 4,259                       | 4,259  | 100%         | 7             | -      | 170     | 177                      | 177   | 100%         |
| 800146     | No         | 266    | 4,603     | -       | 4,869                       | 4,869  | 100%         | 617           | -      | 645     | 1262                     | 1,262 | 100%         |
| 800275     | No         | 8,412  | -         | 340     | 8,752                       | 8,752  | 100%         | 82            | -      | 1,258   | 1340                     | 1,340 | 100%         |
| 800340     | No         | 6,026  | -         | 712     | 6,738                       | 6,738  | 100%         | 143           | -      | 2,196   | 2339                     | 2,339 | 100%         |
| 800616     | No         | 5,794  | -         | 209     | 6,003                       | 6,003  | 100%         | 69            | -      | 1,067   | 1136                     | 1,136 | 100%         |
| 800277     | No         | 11,774 | -         | 821     | 12,595                      | 12,595 | 100%         | 119           | -      | 4,157   | 4276                     | 4,276 | 100%         |
| 800597     | No         | 5,111  | -         | 1,395   | 6,506                       | 6,506  | 100%         | -             | -      | 905     | 905                      | 905   | 100%         |
| 800284     | No         | 12,038 | -         | 194     | 12,232                      | 12,232 | 100%         | 24            | -      | 2,510   | 2534                     | 2,534 | 100%         |
| 800825     | No         | -      | 245       | 100     | 345                         | 345    | 100%         | -             | -      | -       | 0                        | -     | 100%         |
| 800598     | No         | 7,944  | -         | 333     | 8,277                       | 8,277  | 100%         | -             | -      | 1,894   | 1894                     | 1,894 | 100%         |
| 800624     | Yes        | 2,828  | -         | 748     | 3,576                       | 3,576  | 0%           | 123           | -      | 751     | 874                      | 874   | 0%           |
| 800759     | No         | 6,780  | -         | 180     | 6,960                       | 6,960  | 100%         | 186           | -      | 1,237   | 1423                     | 1,423 | 100%         |
| 801184     | No         | 728    | -         | -       | 728                         | 728    | 100%         | 0             | -      | -       | 0                        | -     | 100%         |
| 801142     | No         | 20,023 | -         | -       | 20,023                      | 20,023 | 100%         | 0             | -      | -       | 0                        | -     | 100%         |
| 801115     | No         | -      | 527       | 6       | 533                         | 533    | 100%         | 47            | -      | -       | 47                       | 47    | 100%         |
| 801353     | Yes        | -      | -         | 3,636   | 3,636                       | 3,636  | 0%           | -             | -      | 697     | 697                      | 697   | 0%           |
| 801555     | Yes        | -      | -         | 3,083   | 3,083                       | 3,083  | 0%           | -             | -      | -       | 0                        | -     | 0%           |
| 801579     | Yes        | -      | -         | 464     | 464                         | 464    | 0%           | -             | -      | -       | 0                        | -     | 0%           |
| 800072     | No         | 10,268 | -         | 1,355   | 11,623                      | 11,623 | 100%         | 29            | -      | 3,209   | 3238                     | 3,238 | 100%         |
| 800153     | No         | 1,484  | 3,959     | -       | 5,443                       | 5,443  | 100%         | 140           | -      | 1,258   | 1398                     | 1,398 | 100%         |
| 800155     | No         | 54     | 6,967     | -       | 7,021                       | 7,021  | 100%         | 653           | -      | 3,803   | 4456                     | 4,456 | 100%         |
| 800157     | No         | 256    | 5,844     | -       | 6,100                       | 6,100  | 100%         | 840           | -      | 3,031   | 3871                     | 3,871 | 100%         |
| 800441     | No         | 1,226  | 6,705     | 256     | 8,187                       | 8,187  | 100%         | 397           | -      | 1,662   | 2059                     | 2,059 | 100%         |
| 800439     | No         | 377    | 5,361     | 54      | 5,792                       | 5,792  | 100%         | 953           | -      | 996     | 1949                     | 1,949 | 100%         |
| 800440     | No         | 1,250  | 4,025     | -       | 5,275                       | 5,275  | 100%         | 901           | -      | 1,449   | 2350                     | 2,350 | 100%         |
| 800383     | Yes        | 1,701  | -         | 3,489   | 5,190                       | 5,190  | 0%           | 113           | -      | 1,546   | 1659                     | 1,659 | 0%           |
| 800431     | No         | 3,899  | -         | 154     | 4,053                       | 4,053  | 100%         | 75            | -      | 1,440   | 1515                     | 1,515 | 100%         |
| 800159     | No         | 125    | 4,891     | 39      | 5,055                       | 5,055  | 100%         | 1,935         | 6      | 3857    | 5798                     | 5,798 | 100%         |
| 800527     | No         | 10,304 | -         | 808     | 11,112                      | 11,112 | 100%         | 34            | -      | 2,488   | 2522                     | 2,522 | 100%         |
| 800546     | Yes        | 197    | -         | -       | 197                         | 197    | 0%           | -             | -      | -       | 0                        | -     | 0%           |
| 800414     | No         | 7,247  | -         | 1,006   | 8,253                       | 8,253  | 100%         | -             | -      | 1,680   | 1680                     | 1,680 | 100%         |

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| Work Order | Relocation | Mains  |           |         |                             |        |              | Service Lines |        |         |                          |       |              |
|------------|------------|--------|-----------|---------|-----------------------------|--------|--------------|---------------|--------|---------|--------------------------|-------|--------------|
|            |            | Steel  | Cast Iron | Plastic | Cast Iron, Steel, & Plastic | Total  | Disallowed % | Steel         | Copper | Plastic | Steel, Copper, & Plastic | Total | Disallowed % |
| 800259     | No         | 12,708 | -         | 698     | 13,406                      | 13,406 | 100%         | 96            | -      | 3,659   | 3755                     | 3,755 | 100%         |
| 800258     | No         | 11,746 | -         | 550     | 12,296                      | 12,296 | 100%         | 29            | -      | 2,186   | 2215                     | 2,215 | 100%         |
| 800100     | No         | 10,845 | -         | 410     | 11,255                      | 11,255 | 100%         | 79            | -      | 4,797   | 4876                     | 4,876 | 100%         |
| 800405     | No         | 752    | -         | -       | 752                         | 752    | 100%         | -             | -      | 2       | 2                        | 2     | 100%         |
| 800091     | No         | 1,083  | -         | 416     | 1,499                       | 1,499  | 100%         | -             | -      | 631     | 631                      | 631   | 100%         |
| 800274     | No         | 6403   | -         | 877     | 7,280                       | 7,280  | 100%         | -             | -      | 1,720   | 1720                     | 1,720 | 100%         |
| 800338     | No         | 4,309  | -         | 31      | 4,340                       | 4,340  | 100%         | 60            | -      | 1,003   | 1063                     | 1,063 | 100%         |
| 800341     | No         | 4,471  | -         | 328     | 4,799                       | 4,799  | 100%         | 11            | -      | 862     | 873                      | 873   | 100%         |
| 800475     | No         | 3,855  | -         | 36      | 3,891                       | 3,891  | 100%         | 70            | -      | 2,648   | 2718                     | 2,718 | 100%         |
| 800758     | No         | 278    | -         | -       | 278                         | 278    | 100%         | 10            | -      | 900     | 910                      | 910   | 100%         |
| 800470     | Yes        | 591    | -         | -       | 591                         | 591    | 0%           | -             | -      | 156     | 156                      | 156   | 0%           |
| 801066     | Yes        | 1,515  | -         | -       | 1,515                       | 1,515  | 0%           | -             | -      | 193     | 193                      | 193   | 0%           |
| 800957     | Yes        | 1379   | -         | 370     | 1,749                       | 1,749  | 0%           | 3             | -      | 159     | 162                      | 162   | 0%           |
| 801125     | No         | 2307   | -         | 363     | 2,670                       | 2,670  | 100%         | 6             | -      | 1,061   | 1067                     | 1,067 | 100%         |
| 801119     | No         | 2813   | -         | 71      | 2,884                       | 2,884  | 100%         | 77            | -      | 385     | 462                      | 462   | 100%         |
| 801193     | No         | 6801   | -         | 342     | 7,143                       | 7,143  | 100%         | -             | -      | 1,216   | 1216                     | 1,216 | 100%         |
| 800977     | No         | 9649   | -         | 2,372   | 12,021                      | 12,021 | 100%         | 7             | -      | 2,339   | 2346                     | 2,346 | 100%         |
| 801356     | No         | 4731   | -         | 97      | 4,828                       | 4,828  | 100%         | -             | -      | 359     | 359                      | 359   | 100%         |
| 801365     | No         | 2051   | -         | 704     | 2,755                       | 2,755  | 100%         | -             | -      | -       | 0                        | -     | 100%         |
| 801443     | Yes        | 650    | -         | 614     | 1,264                       | 1,264  | 0%           | -             | -      | 407     | 407                      | 407   | 0%           |
| 801586     | Yes        | 1819   | -         | 432     | 2,251                       | 2,251  | 0%           | -             | -      | -       | 0                        | -     | 0%           |
| 801439     | No         | 10     | -         | -       | 10                          | 10     | 100%         | -             | -      | -       | 0                        | -     | 100%         |
| 801625     | No         | 0      | 582       | 76      | 658                         | 658    | 100%         | 191           | -      | 173     | 364                      | 364   | 100%         |
| 801662     | Yes        | 1880   | -         | -       | 1,880                       | 1,880  | 0%           | -             | -      | -       | 0                        | -     | 0%           |
| 801789     | No         | 1983   | -         | -       | 1,983                       | 1,983  | 100%         | 9             | -      | 301     | 310                      | 310   | 100%         |
| 800480     | No         | 6022   | -         | 46      | 6,068                       | 6,068  | 100%         | -             | -      | 967     | 967                      | 967   | 100%         |
| 800760     | No         | 13649  | -         | 301     | 13,950                      | 13,950 | 100%         | 30            | -      | 3,619   | 3649                     | 3,649 | 100%         |
| 801376     | No         | 8196   | -         | 3       | 8,199                       | 8,199  | 100%         | 46            | -      | 1,332   | 1378                     | 1,378 | 100%         |
| 800158     | No         | 508    | 4,632     | -       | 5,140                       | 5,140  | 100%         | 2,370         | -      | 2,618   | 4988                     | 4,988 | 100%         |
| 800092     | No         | 6033   | -         | 92      | 6,125                       | 6,125  | 100%         | 48            | -      | 1,762   | 1810                     | 1,810 | 100%         |
| 800301     | No         | 9894   | -         | 452     | 10,346                      | 10,346 | 100%         | 56            | -      | 1,121   | 1177                     | 1,177 | 100%         |
| 800864     | No         | 4045   | -         | 88      | 4,133                       | 4,133  | 100%         | -             | -      | 339     | 339                      | 339   | 100%         |
| 801057     | No         | 7206   | -         | 853     | 8,059                       | 8,059  | 100%         | -             | -      | 1,769   | 1769                     | 1,769 | 100%         |
| 800654     | No         | 3957   | -         | 628     | 4,585                       | 4,585  | 100%         | 78            | -      | 2,160   | 2238                     | 2,238 | 100%         |
| 800290     | No         | 4154   | -         | 688     | 4,842                       | 4,842  | 100%         | 1             | -      | 784     | 785                      | 785   | 100%         |
| 800967     | Yes        | 7455   | -         | -       | 7,455                       | 7,455  | 0%           | 434           | -      | 2,025   | 2459                     | 2,459 | 0%           |
| 801475     | No         | 7893   | -         | 110     | 8,003                       | 8,003  | 100%         | 74            | -      | 2,331   | 2405                     | 2,405 | 100%         |
| 800028     | No         | -      | -         | -       | -                           | -      | 100%         | 1             | -      | 399     | 400                      | 400   | 100%         |
| 800072     | No         | 10268  | -         | 1,355   | 11,623                      | 11,623 | 100%         | 29            | -      | 3,209   | 3238                     | 3,238 | 100%         |
| 800069     | No         | 7118   | -         | 190     | 7,308                       | 7,308  | 100%         | 83            | -      | 1,233   | 1,316                    | 1,316 | 100%         |
| 800230     | No         | 1432   | 1,503     | 172     | 3,107                       | 3,107  | 100%         | 966           | -      | 394     | 1,360                    | 1,360 | 100%         |
| 800070     | No         | 2374   | -         | -       | 2,374                       | 2,374  | 100%         | -             | -      | 225     | 225                      | 225   | 100%         |
| 800046     | No         | 3800   | -         | 648     | 4,448                       | 4,448  | 100%         | 9             | -      | 516     | 525                      | 525   | 100%         |
| 800156     | No         | 119    | 6,148     | 95      | 6,362                       | 6,362  | 100%         | 2,414         | -      | 2,432   | 4,846                    | 4,846 | 100%         |

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| Work Order | Relocation | Mains |           |         |                             |        |              | Service Lines |        |         |                          |       |              |
|------------|------------|-------|-----------|---------|-----------------------------|--------|--------------|---------------|--------|---------|--------------------------|-------|--------------|
|            |            | Steel | Cast Iron | Plastic | Cast Iron, Steel, & Plastic | Total  | Disallowed % | Steel         | Copper | Plastic | Steel, Copper, & Plastic | Total | Disallowed % |
| 800137     | No         | 4201  |           | 127     | 4,328                       | 4,328  | 100%         | 98            |        | 652     | 750                      | 750   | 100%         |
| 800138     | No         | 1828  |           | 36      | 1,864                       | 1,864  | 100%         |               |        |         | -                        | -     | 100%         |
| 800075     | No         | 1840  |           | 534     | 2,374                       | 2,374  | 100%         | 85            |        | 1,830   | 1,915                    | 1,915 | 100%         |
| 800144     | Yes        | 162   | 3,529     | 8       | 3,699                       | 3,699  | 0%           | 846           |        | 929     | 1,775                    | 1,775 | 0%           |
| 800112     | No         | 3094  |           | 111     | 3,205                       | 3,205  | 100%         |               |        | 155     | 155                      | 155   | 100%         |
| 800136     | No         | 1598  |           |         | 1,598                       | 1,598  | 100%         |               |        | 333     | 333                      | 333   | 100%         |
| 800262     | No         | 2864  |           | 411     | 3,275                       | 3,275  | 100%         | 39            |        | 794     | 833                      | 833   | 100%         |
| 800335     | No         | 2458  |           | 648     | 3,106                       | 3,106  | 100%         | 66            |        | 1,199   | 1,265                    | 1,265 | 100%         |
| 800041     | No         | 1825  |           | 504     | 2,329                       | 2,329  | 100%         | 13            |        | 160     | 173                      | 173   | 100%         |
| 800121     | No         | 4239  |           | 639     | 4,878                       | 4,878  | 100%         |               |        |         | -                        | -     | 100%         |
| 800083     | No         | 2884  |           | 1,560   | 4,444                       | 4,444  | 100%         | 86            |        | 4,854   | 4,940                    | 4,940 | 100%         |
| 800224     | No         | 2952  |           |         | 2,952                       | 2,952  | 100%         |               |        |         | -                        | -     | 100%         |
| 800468     | No         |       | 28        |         | 28                          | 28     | 100%         |               |        |         | -                        | -     | 100%         |
| 800493     | No         | 200   |           |         | 200                         | 200    | 100%         |               |        | 3       | 3                        | 3     | 100%         |
| 800263     | No         | 1872  |           | 179     | 2,051                       | 2,051  | 100%         |               |        | 984     | 984                      | 984   | 100%         |
| 800131     | No         | 7042  |           | 788     | 7,830                       | 7,830  | 100%         | 13            |        | 1,126   | 1,139                    | 1,139 | 100%         |
| 800264     | No         | 5700  |           | 1,589   | 7,289                       | 7,289  | 100%         | 55            |        | 1,595   | 1,650                    | 1,650 | 100%         |
| 800256     | No         | 9418  |           | 325     | 9,743                       | 9,743  | 100%         | 125           |        | 2,332   | 2,457                    | 2,457 | 100%         |
| 800076     | No         | 5633  |           |         | 5,633                       | 5,633  | 100%         |               |        | 145     | 145                      | 145   | 100%         |
| 800044     | No         |       |           | 10      | 10                          | 10     | 100%         |               |        | 599     | 599                      | 599   | 100%         |
| 800260     | No         | 7827  |           | 434     | 8,261                       | 8,261  | 100%         |               |        | 617     | 617                      | 617   | 100%         |
| 800553     | Yes        |       |           | 613     | 613                         | 613    | 0%           |               |        | 83      | 83                       | 83    | 0%           |
| 800515     | Yes        | 4128  |           | 16      | 4,144                       | 4,144  | 0%           | 58            |        | 1,003   | 1,061                    | 1,061 | 0%           |
| 800412     | No         | 786   |           | 195     | 981                         | 981    | 100%         |               |        | 948     | 948                      | 948   | 100%         |
| 800552     | Yes        |       |           | 455     | 455                         | 455    | 0%           |               |        |         | -                        | -     | 0%           |
| 800336     | No         | 2486  |           | 441     | 2,927                       | 2,927  | 100%         | 161           |        | 1,606   | 1,767                    | 1,767 | 100%         |
| 800390     | No         | 778   |           |         | 778                         | 778    | 100%         |               |        |         | -                        | -     | 100%         |
| 800265     | No         | 4880  |           | 403     | 5,283                       | 5,283  | 100%         | 93            |        | 2,554   | 2,647                    | 2,647 | 100%         |
| 800578     | No         | 2114  |           | 860     | 2,974                       | 2,974  | 100%         | 34            |        | 364     | 398                      | 398   | 100%         |
| 800385     | Yes        | 1154  | 4,467     | 70      | 5,691                       | 5,691  | 0%           | 385           |        | 1,978   | 2,363                    | 2,363 | 0%           |
| 800586     | Yes        | 10898 |           | 504     | 11,402                      | 11,402 | 0%           | 470           |        | 2,688   | 3,158                    | 3,158 | 0%           |
| 800280     | No         | 3009  |           | 144     | 3,153                       | 3,153  | 100%         | 27            |        | 308     | 335                      | 335   | 100%         |
| 800601     | No         | 5156  |           | 82      | 5,238                       | 5,238  | 100%         | 29            |        | 797     | 826                      | 826   | 100%         |
| 800444     | No         | 3635  |           | 541     | 4,176                       | 4,176  | 100%         | 55            |        | 1,763   | 1,818                    | 1,818 | 100%         |
| 800147     | No         | 340   | 5,985     | 100     | 6,425                       | 6,425  | 100%         | 1,234         |        | 1,689   | 2,923                    | 2,923 | 100%         |
| 800549     | No         |       | 220       |         | 220                         | 220    | 100%         |               |        |         | -                        | -     | 100%         |
| 800130     | No         | 7843  |           | 333     | 8,176                       | 8,176  | 100%         | 32            |        | 1,801   | 1,833                    | 1,833 | 100%         |
| 800606     | No         | 1389  |           | 86      | 1,475                       | 1,475  | 100%         | 13            |        | 292     | 305                      | 305   | 100%         |
| 800097     | No         | 2511  |           | 11      | 2,522                       | 2,522  | 100%         | 7             |        | 234     | 241                      | 241   | 100%         |
| 800551     | No         | 721   | 2,596     |         | 3,317                       | 3,317  | 100%         | 124           |        | 1,090   | 1,214                    | 1,214 | 100%         |
| 800623     | No         |       | 833       |         | 833                         | 833    | 100%         |               |        |         | -                        | -     | 100%         |
| 800148     | No         | 205   | 4,545     |         | 4,750                       | 4,750  | 100%         | 2,350         |        | 1,490   | 3,840                    | 3,840 | 100%         |
| 800406     | No         | 984   |           | 10      | 994                         | 994    | 100%         |               |        |         | -                        | -     | 100%         |
| 800497     | No         | 1482  | 6,449     |         | 7,931                       | 7,931  | 100%         | 1,706         |        | 3,011   | 4,717                    | 4,717 | 100%         |

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| Work Order | Relocation | Mains |           |         |                             |        |              | Service Lines |        |         |                          |       |              |
|------------|------------|-------|-----------|---------|-----------------------------|--------|--------------|---------------|--------|---------|--------------------------|-------|--------------|
|            |            | Steel | Cast Iron | Plastic | Cast Iron, Steel, & Plastic | Total  | Disallowed % | Steel         | Copper | Plastic | Steel, Copper, & Plastic | Total | Disallowed % |
| 800496     | No         | 3870  | 2,123     |         | 5,993                       | 5,993  | 100%         | 2,211         |        | 3,107   | 5,318                    | 5,318 | 100%         |
| 800124     | No         | 4153  |           | 14      | 4,167                       | 4,167  | 100%         | 1             |        | 1,004   | 1,005                    | 1,005 | 100%         |
| 800125     | No         | 2636  |           | 261     | 2,897                       | 2,897  | 100%         |               |        | 226     | 226                      | 226   | 100%         |
| 800622     | No         | 5304  |           | 243     | 5,547                       | 5,547  | 100%         |               |        |         | -                        | -     | 100%         |
| 800610     | No         | 6153  |           | 44      | 6,197                       | 6,197  | 100%         |               |        | 802     | 802                      | 802   | 100%         |
| 800489     | No         | 4264  |           | 465     | 4,729                       | 4,729  | 100%         | 37            |        | 942     | 979                      | 979   | 100%         |
| 800498     | No         | 951   | 4,816     | 80      | 5,847                       | 5,847  | 100%         | 1,162         |        | 2,389   | 3,551                    | 3,551 | 100%         |
| 800149     | No         | 1398  | 3,088     | 469     | 4,955                       | 4,955  | 100%         | 1,273         |        | 1,028   | 2,301                    | 2,301 | 100%         |
| 800711     | No         |       |           |         | -                           | -      | 100%         |               |        |         | -                        | -     | 100%         |
| 800566     | No         | 3422  |           | 23      | 3,445                       | 3,445  | 100%         | 130           |        | 618     | 748                      | 748   | 100%         |
| 800604     | No         | 249   |           | 2       | 251                         | 251    | 100%         |               |        |         | -                        | -     | 100%         |
| 800726     | No         | 580   |           | 205     | 785                         | 785    | 100%         |               |        |         | -                        | -     | 100%         |
| 800342     | No         | 6238  |           | 173     | 6,411                       | 6,411  | 100%         | 9             |        | 793     | 802                      | 802   | 100%         |
| 800449     | No         | 924   |           |         | 924                         | 924    | 100%         | 8             |        | 43      | 51                       | 51    | 100%         |
| 800526     | Yes        | 1551  |           | 19      | 1,570                       | 1,570  | 0%           |               |        | 245     | 245                      | 245   | 0%           |
| 800276     | No         | 5306  |           | 171     | 5,477                       | 5,477  | 100%         | 4             |        | 1,297   | 1,301                    | 1,301 | 100%         |
| 800278     | No         | 5568  |           |         | 5,568                       | 5,568  | 100%         |               |        | 1,160   | 1,160                    | 1,160 | 100%         |
| 800584     | No         | 10288 |           | 318     | 10,606                      | 10,606 | 100%         |               |        |         | -                        | -     | 100%         |
| 800686     | No         |       | 50        |         | 50                          | 50     | 100%         |               |        | 103     | 103                      | 103   | 100%         |
| 800279     | No         | 10985 |           | 798     | 11,783                      | 11,783 | 100%         | 1             |        | 3,740   | 3,741                    | 3,741 | 100%         |
| 800627     | No         |       | 40        |         | 40                          | 40     | 100%         |               |        | 3       | 3                        | 3     | 100%         |
| 800628     | No         |       | 40        |         | 40                          | 40     | 100%         |               |        |         | -                        | -     | 100%         |
| 800285     | No         | 3513  |           | 107     | 3,620                       | 3,620  | 100%         | 92            |        | 927     | 1,019                    | 1,019 | 100%         |
| 800596     | Yes        | 9242  |           | 626     | 9,868                       | 9,868  | 0%           | 20            |        | 3,538   | 3,558                    | 3,558 | 0%           |
| 800281     | No         | 3354  |           | 71      | 3,425                       | 3,425  | 100%         | 26            |        | 9,098   | 9,124                    | 9,124 | 100%         |
| 800626     | No         |       | 8,677     | 24      | 8,701                       | 8,701  | 100%         | 1,518         |        | 2,374   | 3,892                    | 3,892 | 100%         |
| 800766     | No         |       | 30        |         | 30                          | 30     | 100%         |               |        |         | -                        | -     | 100%         |
| 800150     | No         | 2779  | 1,725     | 162     | 4,666                       | 4,666  | 100%         | 2,622         |        | 770     | 3,392                    | 3,392 | 100%         |
| 800599     | No         |       |           |         | -                           | -      | 100%         |               |        |         | -                        | -     | 100%         |
| 800600     | No         | 7697  |           | 236     | 7,933                       | 7,933  | 100%         | 236           |        | 1,200   | 1,436                    | 1,436 | 100%         |
| 800867     | No         | 1526  |           | 96      | 1,622                       | 1,622  | 100%         | 136           |        | 153     | 289                      | 289   | 100%         |
| 800491     | No         | 3018  |           | 29      | 3,047                       | 3,047  | 100%         | 4             |        | 571     | 575                      | 575   | 100%         |
| 800542     | No         | 14255 |           | 161     | 14,416                      | 14,416 | 100%         | 112           |        | 3,843   | 3,955                    | 3,955 | 100%         |
| 800463     | No         | 816   | 1,302     | 10      | 2,128                       | 2,128  | 100%         | 52            |        | 55      | 107                      | 107   | 100%         |
| 800836     | Yes        | 20    |           |         | 20                          | 20     | 0%           |               |        |         | -                        | -     | 0%           |
| 800824     | No         |       | 420       |         | 420                         | 420    | 100%         | 97            |        | 55      | 152                      | 152   | 100%         |
| 800432     | No         | 10889 |           | 131     | 11,020                      | 11,020 | 100%         | 685           |        | 3,440   | 4,125                    | 4,125 | 100%         |
| 800899     | No         |       | 176       |         | 176                         | 176    | 100%         |               |        |         | -                        | -     | 100%         |
| 800500     | No         | 2043  | 3,146     | 20      | 5,209                       | 5,209  | 100%         | 1,645         |        | 1,681   | 3,326                    | 3,326 | 100%         |
| 800900     | No         |       | 30        |         | 30                          | 30     | 100%         |               |        | 4       | 4                        | 4     | 100%         |
| 800123     | No         | 4342  |           | 1,580   | 5,922                       | 5,922  | 100%         | 9             |        | 1,074   | 1,083                    | 1,083 | 100%         |
| 800756     | No         | 1361  |           | 55      | 1,416                       | 1,416  | 100%         |               |        | 258     | 258                      | 258   | 100%         |
| 800834     | No         | 1471  |           | 87      | 1,558                       | 1,558  | 100%         |               |        | 209     | 209                      | 209   | 100%         |
| 800901     | No         |       | 30        |         | 30                          | 30     | 100%         |               |        |         | -                        | -     | 100%         |

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| Work Order | Relocation | Mains |           |         |                             |        |              | Service Lines |        |         |                          |       |              |
|------------|------------|-------|-----------|---------|-----------------------------|--------|--------------|---------------|--------|---------|--------------------------|-------|--------------|
|            |            | Steel | Cast Iron | Plastic | Cast Iron, Steel, & Plastic | Total  | Disallowed % | Steel         | Copper | Plastic | Steel, Copper, & Plastic | Total | Disallowed % |
| 800501     | No         | 474   | 4,917     |         | 5,391                       | 5,391  | 100%         | 1,870         |        | 3,896   | 5,766                    | 5,766 | 100%         |
| 800912     | No         | 1600  |           | 56      | 1,656                       | 1,656  | 100%         |               |        | 737     | 737                      | 737   | 100%         |
| 800435     | No         | 10509 |           | 990     | 11,499                      | 11,499 | 100%         | 6             |        | 2,204   | 2,210                    | 2,210 | 100%         |
| 800902     | No         |       | 32        |         | 32                          | 32     | 100%         |               |        |         | -                        | -     | 100%         |
| 800636     | No         | 1633  |           | 430     | 2,063                       | 2,063  | 100%         |               |        |         | -                        | -     | 100%         |
| 800818     | No         | 562   |           | 52      | 614                         | 614    | 100%         |               |        |         | -                        | -     | 100%         |
| 800613     | No         | 2053  |           | 506     | 2,559                       | 2,559  | 100%         |               |        | 377     | 377                      | 377   | 100%         |
| 800151     | No         | 1084  | 5,845     | 84      | 7,013                       | 7,013  | 100%         | 1,463         |        | 1,851   | 3,314                    | 3,314 | 100%         |
| 800932     | No         | 758   |           |         | 758                         | 758    | 100%         |               |        | 23      | 23                       | 23    | 100%         |
| 800282     | No         | 3146  |           | 390     | 3,536                       | 3,536  | 100%         | 125           |        | 983     | 1,108                    | 1,108 | 100%         |
| 800499     | No         | 371   | 6,055     | 11      | 6,437                       | 6,437  | 100%         | 611           |        | 1,160   | 1,771                    | 1,771 | 100%         |
| 800794     | No         |       |           |         | -                           | -      | 100%         | 208           |        | 149     | 357                      | 357   | 100%         |
| 800795     | No         | 214   | 2,909     | 302     | 3,425                       | 3,425  | 100%         | 403           |        | 2,808   | 3,211                    | 3,211 | 100%         |
| 800827     | No         | 2539  |           | 44      | 2,583                       | 2,583  | 100%         |               |        | 165     | 165                      | 165   | 100%         |
| 800720     | No         | 4347  |           | 24      | 4,371                       | 4,371  | 100%         | 368           |        | 329     | 697                      | 697   | 100%         |
| 800502     | No         | 1839  | 2,755     | 33      | 4,627                       | 4,627  | 100%         | 1,204         |        | 1,701   | 2,905                    | 2,905 | 100%         |
| 800727     | No         | 2268  |           | 112     | 2,380                       | 2,380  | 100%         |               |        |         | -                        | -     | 100%         |
| 800830     | No         | 1479  |           | 40      | 1,519                       | 1,519  | 100%         |               |        | 211     | 211                      | 211   | 100%         |
| 800702     | No         |       |           |         | -                           | -      | 100%         | 170           |        | 1,027   | 1,197                    | 1,197 | 100%         |
| 801041     | No         |       |           |         | -                           | -      | 100%         |               |        |         | -                        | -     | 100%         |
| 800940     | No         | 2029  |           | 212     | 2,241                       | 2,241  | 100%         | 568           |        | 329     | 897                      | 897   | 100%         |
| 800728     | Yes        | 1645  |           | 984     | 2,629                       | 2,629  | 0%           |               |        | 422     | 422                      | 422   | 0%           |
| 800286     | No         | 14534 |           | 104     | 14,638                      | 14,638 | 100%         | 199           |        | 2,969   | 3,168                    | 3,168 | 100%         |
| 800800     | No         | 1611  | 8,638     | 319     | 10,568                      | 10,568 | 100%         | 896           |        | 3,106   | 4,002                    | 4,002 | 100%         |
| 801048     | Yes        | 292   |           | 13      | 305                         | 305    | 0%           |               |        |         | -                        | -     | 0%           |
| 800474     | No         | 2571  |           | 22      | 2,593                       | 2,593  | 100%         | 6             |        | 234     | 240                      | 240   | 100%         |
| 800960     | No         | 14755 |           | 914     | 15,669                      | 15,669 | 100%         |               |        |         | -                        | -     | 100%         |
| 801040     | No         | 45    |           |         | 45                          | 45     | 100%         |               |        |         | -                        | -     | 100%         |
| 800802     | No         |       |           |         | -                           | -      | 100%         |               |        |         | -                        | -     | 100%         |
| 800849     | No         | 1647  |           |         | 1,647                       | 1,647  | 100%         |               |        |         | -                        | -     | 100%         |
| 800721     | No         | 6286  |           | 13      | 6,299                       | 6,299  | 100%         | 87            |        | 1,320   | 1,407                    | 1,407 | 100%         |
| 800722     | No         | 2731  |           | 7       | 2,738                       | 2,738  | 100%         | 35            |        | 502     | 537                      | 537   | 100%         |
| 800826     | No         |       | 648       | 180     | 828                         | 828    | 100%         | 59            |        | 328     | 387                      | 387   | 100%         |
| 800856     | No         | 3544  |           | 180     | 3,724                       | 3,724  | 100%         | 19            |        | 916     | 935                      | 935   | 100%         |
| 800855     | No         | 10921 |           | 217     | 11,138                      | 11,138 | 100%         |               |        | 1,233   | 1,233                    | 1,233 | 100%         |
| 800283     | No         | 7639  |           | 285     | 7,924                       | 7,924  | 100%         |               |        |         | -                        | -     | 100%         |
| 800801     | No         |       |           | 266     | 266                         | 266    | 100%         | 1,343         |        | 2,547   | 3,890                    | 3,890 | 100%         |
| 800797     | No         | 565   | 9,327     | 24      | 9,916                       | 9,916  | 100%         | 1,390         |        | 2,460   | 3,850                    | 3,850 | 100%         |
| 800798     | No         | 121   | 8,701     | 36      | 8,858                       | 8,858  | 100%         | 2,396         |        | 3,515   | 5,911                    | 5,911 | 100%         |
| 801156     | No         |       | 540       | 9       | 549                         | 549    | 100%         | 39            |        | 599     | 638                      | 638   | 100%         |
| 801080     | Yes        | 1979  |           | 32      | 2,011                       | 2,011  | 0%           |               |        | 452     | 452                      | 452   | 0%           |
| 801062     | No         |       | 30        |         | 30                          | 30     | 100%         |               |        |         | -                        | -     | 100%         |
| 800796     | No         |       |           |         | -                           | -      | 100%         | 21            |        | 25      | 46                       | 46    | 100%         |
| 801063     | No         | 252   | 328       | 267     | 847                         | 847    | 100%         |               |        |         | -                        | -     | 100%         |

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| Work Order | Relocation | Mains |           |         |                             |        |              | Service Lines |        |         |                          |       |              |
|------------|------------|-------|-----------|---------|-----------------------------|--------|--------------|---------------|--------|---------|--------------------------|-------|--------------|
|            |            | Steel | Cast Iron | Plastic | Cast Iron, Steel, & Plastic | Total  | Disallowed % | Steel         | Copper | Plastic | Steel, Copper, & Plastic | Total | Disallowed % |
| 801136     | Yes        |       |           | 1,636   | 1,636                       | 1,636  | 0%           |               |        | 625     | 625                      | 625   | 0%           |
| 801104     | Yes        | 346   |           | 98      | 444                         | 444    | 0%           |               |        |         | -                        | -     | 0%           |
| 801167     | No         | 716   |           | 12      | 728                         | 728    | 100%         | 2             |        | 70      | 72                       | 72    | 100%         |
| 801059     | Yes        | 1726  |           |         | 1,726                       | 1,726  | 0%           |               |        |         | -                        | -     | 0%           |
| 801149     | No         | 3906  |           | 543     | 4,449                       | 4,449  | 100%         |               |        | 722     | 722                      | 722   | 100%         |
| 801148     | No         | 5165  |           |         | 5,165                       | 5,165  | 100%         | 1             |        |         | 1                        | 1     | 100%         |
| 801178     | Yes        | 35    |           |         | 35                          | 35     | 0%           |               |        |         | -                        | -     | 0%           |
| 800799     | No         | 269   | 8,360     |         | 8,629                       | 8,629  | 100%         | 1,566         |        | 3,176   | 4,742                    | 4,742 | 100%         |
| 801096     | No         | 10459 |           |         | 10,459                      | 10,459 | 100%         | 10            |        |         | 10                       | 10    | 100%         |
| 801089     | No         |       |           |         | -                           | -      | 100%         | 1,057         |        | 672     | 1,729                    | 1,729 | 100%         |
| 800761     | No         | 9167  |           | 1,203   | 10,370                      | 10,370 | 100%         | 7             |        | 2,434   | 2,441                    | 2,441 | 100%         |
| 800961     | Yes        | 4600  | 2,736     |         | 7,336                       | 7,336  | 0%           | 947           |        | 1,741   | 2,688                    | 2,688 | 0%           |
| 800093     | No         | 3312  |           | 712     | 4,024                       | 4,024  | 100%         | 6             |        | 836     | 842                      | 842   | 100%         |
| 800976     | Yes        | 1411  |           | 254     | 1,665                       | 1,665  | 0%           |               |        | 161     | 161                      | 161   | 0%           |
| 801238     | No         |       | 291       |         | 291                         | 291    | 100%         | 15            |        | 101     | 116                      | 116   | 100%         |
| 800762     | No         | 7633  |           | 185     | 7,818                       | 7,818  | 100%         | 19            |        | 2,054   | 2,073                    | 2,073 | 100%         |
| 800966     | Yes        | 2018  |           | 11      | 2,029                       | 2,029  | 0%           | 85            |        | 776     | 861                      | 861   | 0%           |
| 800763     | No         | 10512 |           | 332     | 10,844                      | 10,844 | 100%         | 11            |        | 1,787   | 1,798                    | 1,798 | 100%         |
| 801223     | No         | 1505  |           |         | 1,505                       | 1,505  | 100%         |               |        | 40      | 40                       | 40    | 100%         |
| 801137     | Yes        | 2736  |           | 8,000   | 10,736                      | 10,736 | 0%           |               |        | 3,226   | 3,226                    | 3,226 | 0%           |
| 801173     | No         |       | 317       |         | 317                         | 317    | 100%         |               |        | 2       | 2                        | 2     | 100%         |
| 801114     | No         |       | 40        |         | 40                          | 40     | 100%         |               |        |         | -                        | -     | 100%         |
| 800690     | No         | 4641  |           | 142     | 4,783                       | 4,783  | 100%         |               |        |         | -                        | -     | 100%         |
| 801179     | No         | 9858  |           | 16      | 9,874                       | 9,874  | 100%         | 51            |        | 3,750   | 3,801                    | 3,801 | 100%         |
| 801284     | No         | 5772  |           | 275     | 6,047                       | 6,047  | 100%         | 65            |        | 871     | 936                      | 936   | 100%         |
| 800693     | Yes        | 2111  |           |         | 2,111                       | 2,111  | 0%           | 218           |        | 263     | 481                      | 481   | 0%           |
| 801269     | No         |       | 311       |         | 311                         | 311    | 100%         | 49            |        | 37      | 86                       | 86    | 100%         |
| 801315     | No         | 1148  |           |         | 1,148                       | 1,148  | 100%         | 3             |        | 370     | 373                      | 373   | 100%         |
| 801220     | No         | 8880  |           | 4,764   | 13,644                      | 13,644 | 100%         | 111           |        | 1,447   | 1,558                    | 1,558 | 100%         |
| 801297     | No         |       | 296       |         | 296                         | 296    | 100%         | 91            |        | 100     | 191                      | 191   | 100%         |
| 801253     | No         | 715   |           | 4       | 719                         | 719    | 100%         |               |        |         | -                        | -     | 100%         |
| 801101     | No         | 3495  | 6,088     | 1,305   | 10,888                      | 10,888 | 100%         | 2,101         |        | 2,913   | 5,014                    | 5,014 | 100%         |
| 801219     | No         | 4981  |           | 119     | 5,100                       | 5,100  | 100%         | 157           |        | 71      | 228                      | 228   | 100%         |
| 801082     | Yes        |       |           |         | -                           | -      | 0%           |               |        | 280     | 280                      | 280   | 0%           |
| 801407     | Yes        | 1064  |           |         | 1,064                       | 1,064  | 0%           | 60            |        | 7       | 67                       | 67    | 0%           |
| 801300     | No         | 2803  |           | 251     | 3,054                       | 3,054  | 100%         | 41            |        | 667     | 708                      | 708   | 100%         |
| 800126     | No         | 4145  |           | 1,056   | 5,201                       | 5,201  | 100%         | 2             |        | 650     | 652                      | 652   | 100%         |
| 801381     | Yes        | 337   |           | 25      | 362                         | 362    | 0%           | 26            |        | 19      | 45                       | 45    | 0%           |
| 801240     | No         | 3119  |           | 276     | 3,395                       | 3,395  | 100%         | 94            |        | 447     | 541                      | 541   | 100%         |
| 801242     | No         |       | 21        |         | 21                          | 21     | 100%         |               |        |         | -                        | -     | 100%         |
| 801241     | No         |       | 40        |         | 40                          | 40     | 100%         | 43            |        |         | 43                       | 43    | 100%         |
| 801250     | No         | 3352  |           | 221     | 3,573                       | 3,573  | 100%         |               |        | 881     | 881                      | 881   | 100%         |
| 801191     | Yes        | 1209  |           | 588     | 1,797                       | 1,797  | 0%           | 3             |        | 1,182   | 1,185                    | 1,185 | 0%           |
| 800921     | No         | 645   | 648       | 97      | 1,390                       | 1,390  | 100%         | 243           |        | 213     | 456                      | 456   | 100%         |

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| Work Order | Relocation | Mains |           |         |                             |        |              | Service Lines |        |         |                          |       |              |
|------------|------------|-------|-----------|---------|-----------------------------|--------|--------------|---------------|--------|---------|--------------------------|-------|--------------|
|            |            | Steel | Cast Iron | Plastic | Cast Iron, Steel, & Plastic | Total  | Disallowed % | Steel         | Copper | Plastic | Steel, Copper, & Plastic | Total | Disallowed % |
| 801436     | Yes        | 743   |           |         | 743                         | 743    | 0%           |               |        |         | -                        | -     | 0%           |
| 801383     | Yes        | 1693  |           | 46      | 1,739                       | 1,739  | 0%           |               |        |         | -                        | -     | 0%           |
| 800924     | No         | 135   | 856       |         | 991                         | 991    | 100%         | 172           |        | 575     | 747                      | 747   | 100%         |
| 800133     | No         | 8844  |           | 898     | 9,742                       | 9,742  | 100%         |               |        | 2,078   | 2,078                    | 2,078 | 100%         |
| 801224     | No         |       | 1,187     |         | 1,187                       | 1,187  | 100%         | 298           |        | 260     | 558                      | 558   | 100%         |
| 801084     | Yes        | 3330  |           |         | 3,330                       | 3,330  | 0%           |               |        |         | -                        | -     | 0%           |
| 801360     | No         | 1123  |           |         | 1,123                       | 1,123  | 100%         |               |        | 470     | 470                      | 470   | 100%         |
| 801293     | Yes        |       |           | 953     | 953                         | 953    | 0%           |               |        | 56      | 56                       | 56    | 0%           |
| 801447     | Yes        | 15    |           |         | 15                          | 15     | 0%           |               |        |         | -                        | -     | 0%           |
| 801450     | No         | 1123  |           | 5       | 1,128                       | 1,128  | 100%         |               |        |         | -                        | -     | 100%         |
| 800128     | No         | 2120  |           | 1,379   | 3,499                       | 3,499  | 100%         |               |        | 98      | 98                       | 98    | 100%         |
| 801501     | Yes        | 103   |           |         | 103                         | 103    | 0%           |               |        | 8       | 8                        | 8     | 0%           |
| 800968     | Yes        | 3000  |           |         | 3,000                       | 3,000  | 0%           | 401           |        | 441     | 842                      | 842   | 0%           |
| 801393     | Yes        | 451   |           |         | 451                         | 451    | 0%           |               |        |         | -                        | -     | 0%           |
| 801410     | No         | 608   |           |         | 608                         | 608    | 100%         | 75            |        | 133     | 208                      | 208   | 100%         |
| 801472     | No         | 12844 |           | 1,679   | 14,523                      | 14,523 | 100%         | 172           |        | 5,578   | 5,750                    | 5,750 | 100%         |
| 801377     | No         | 10721 |           | 14      | 10,735                      | 10,735 | 100%         |               |        |         | -                        | -     | 100%         |
| 801378     | No         | 4525  |           | 16      | 4,541                       | 4,541  | 100%         |               |        | 1,402   | 1,431                    | 1,431 | 100%         |
| 801556     | Yes        | 295   |           | 50      | 345                         | 345    | 0%           | 29            |        |         | -                        | -     | 0%           |
| 801102     | No         | 24    | 9,267     | 152     | 9,443                       | 9,443  | 100%         | 1,678         |        | 2502    | 4,180                    | 4,180 | 100%         |
| 801386     | Yes        | 1857  |           | 113     | 1,970                       | 1,970  | 0%           |               |        | 1078    | 1,078                    | 1,078 | 0%           |
| 801438     | No         |       | 322       |         | 322                         | 322    | 100%         |               |        |         | -                        | -     | 100%         |
| 800658     | No         | 8689  |           | 1,066   | 9,755                       | 9,755  | 100%         | 1             |        | 811     | 812                      | 812   | 100%         |
| 801527     | No         | 2196  |           |         | 2,196                       | 2,196  | 100%         |               |        | 311     | 311                      | 311   | 100%         |
| 801602     | No         |       | 27        |         | 27                          | 27     | 100%         |               |        | 8       | 8                        | 8     | 100%         |
| 801509     | Yes        | 207   |           | 31      | 238                         | 238    | 0%           |               |        |         | -                        | -     | 0%           |
| 801628     | No         |       | 396       |         | 396                         | 396    | 100%         | 65            |        | 327     | 392                      | 392   | 100%         |
| 801206     | No         |       |           |         | -                           | -      | 100%         |               |        |         | -                        | -     | 100%         |
| 800969     | Yes        | 8612  |           | 326     | 8,938                       | 8,938  | 0%           | 760           |        | 3262    | 4,022                    | 4,022 | 0%           |
| 801580     | Yes        | 1327  |           | 5       | 1,332                       | 1,332  | 0%           |               |        | 135     | 135                      | 135   | 0%           |
| 801299     | No         | 5547  |           | 305     | 5,852                       | 5,852  | 100%         | 326           |        | 971     | 1,297                    | 1,297 | 100%         |
| 801361     | Yes        | 535   |           |         | 535                         | 535    | 0%           |               |        | 79      | 79                       | 79    | 0%           |
| 800659     | No         | 10009 |           | 681     | 10,690                      | 10,690 | 100%         |               |        | 2922    | 2,922                    | 2,922 | 100%         |
| 801349     | Yes        | 269   |           | 126     | 395                         | 395    | 0%           |               |        |         | -                        | -     | 0%           |
| 801647     | No         | 5043  |           | 12      | 5,055                       | 5,055  | 100%         | 103           |        | 2022    | 2,125                    | 2,125 | 100%         |
| 801528     | No         | 3251  |           | 392     | 3,643                       | 3,643  | 100%         | 14            |        | 449     | 463                      | 463   | 100%         |
| 800672     | No         | 5074  |           | 13      | 5,087                       | 5,087  | 100%         | 216           |        | 522     | 738                      | 738   | 100%         |
| 800671     | No         | 5365  |           | 376     | 5,741                       | 5,741  | 100%         | 51            |        | 1376    | 1,427                    | 1,427 | 100%         |
| 801648     | No         | 8043  |           |         | 8,043                       | 8,043  | 100%         |               |        |         | -                        | -     | 100%         |
| 801680     | Yes        | 17    |           |         | 17                          | 17     | 0%           |               |        |         | -                        | -     | 0%           |
| 801703     | No         | 1416  |           | 44      | 1,460                       | 1,460  | 100%         |               |        | 163     | 163                      | 163   | 100%         |
| 801651     | No         | 4528  |           | 137     | 4,665                       | 4,665  | 100%         |               |        |         | -                        | -     | 100%         |
| 801650     | No         | 3976  |           |         | 3,976                       | 3,976  | 100%         |               |        |         | -                        | -     | 100%         |
| 801649     | No         | 8959  |           | 717     | 9,676                       | 9,676  | 100%         |               |        |         | -                        | -     | 100%         |

Spire West  
Case No. GO-2018-0310

| Work Order | Relocation | Mains |           |         |                             |        |              | Service Lines |        |         |                          |       |              |
|------------|------------|-------|-----------|---------|-----------------------------|--------|--------------|---------------|--------|---------|--------------------------|-------|--------------|
|            |            | Steel | Cast Iron | Plastic | Cast Iron, Steel, & Plastic | Total  | Disallowed % | Steel         | Copper | Plastic | Steel, Copper, & Plastic | Total | Disallowed % |
| 801683     | Yes        | 10    |           |         | 10                          | 10     | 0%           |               |        |         | -                        | -     | 0%           |
| 801626     | No         | 934   | 602       | 83      | 1,619                       | 1,619  | 100%         | 45            |        | 280     | 325                      | 325   | 100%         |
| 801243     | No         |       | 7,105     | 147     | 7,252                       | 7,252  | 100%         |               |        |         | -                        | -     | 100%         |
| 801520     | No         | 10818 |           | 78      | 10,896                      | 10,896 | 100%         |               |        |         | -                        | -     | 100%         |
| 800970     | Yes        | 502   | 1,478     | 63      | 2,043                       | 2,043  | 0%           | 18            |        | 566     | 584                      | 584   | 0%           |
| 801743     | Yes        |       |           | 315     | 315                         | 315    | 0%           |               |        | 315     | 315                      | 315   | 0%           |
| 801841     | Yes        |       |           | 160     | 160                         | 160    | 0%           |               |        | 22      | 22                       | 22    | 0%           |
| 801595     | Yes        | 16    |           |         | 16                          | 16     | 0%           |               |        |         | -                        | -     | 0%           |
| 801829     | Yes        |       |           | 275     | 275                         | 275    | 0%           |               |        |         | -                        | -     | 0%           |
| 800971     | No         | 509   | 2,225     | 320     | 3,054                       | 3,054  | 100%         | 105           |        | 236     | 341                      | 341   | 100%         |
| 801770     | No         |       |           |         | -                           | -      | 100%         |               |        |         | -                        | -     | 100%         |
| 801302     | No         | 3662  | 2,937     | 138     | 6,737                       | 6,737  | 100%         |               |        |         | -                        | -     | 100%         |
| 801844     | No         | 13    | 547       |         | 560                         | 560    | 100%         | 130           |        | 195     | 325                      | 325   | 100%         |
| 801856     | Yes        |       |           | 511     | 511                         | 511    | 0%           |               |        |         | -                        | -     | 0%           |
| 801652     | No         | 8189  |           |         | 8,189                       | 8,189  | 100%         |               |        |         | -                        | -     | 100%         |
| 801733     | Yes        | 4507  |           | 197     | 4,704                       | 4,704  | 0%           | 94            |        | 901     | 995                      | 995   | 0%           |
| 801827     | No         | 612   |           | 7       | 619                         | 619    | 100%         |               |        | 38      | 38                       | 38    | 100%         |
| 801834     | No         |       | 852       | 4       | 856                         | 856    | 100%         |               |        | 35      | 35                       | 35    | 100%         |
| 801323     | No         | 562   | 2,567     |         | 3,129                       | 3,129  | 100%         | 9             |        | 1191    | 1,200                    | 1,200 | 100%         |
| 801835     | No         |       |           |         | -                           | -      | 100%         |               |        |         | -                        | -     | 100%         |
| 801886     | No         | 1250  |           |         | 1,250                       | 1,250  | 100%         |               |        |         | -                        | -     | 100%         |
| 801627     | No         | 1399  |           | 77      | 1,476                       | 1,476  | 100%         |               |        | 200     | 200                      | 200   | 100%         |
| 801833     | Yes        |       |           | 284     | 284                         | 284    | 0%           |               |        |         | -                        | -     | 0%           |
| 801902     | Yes        |       |           | 241     | 241                         | 241    | 0%           |               |        | 33      | 33                       | 33    | 0%           |
| 801901     | Yes        | 124   |           |         | 124                         | 124    | 0%           |               |        | 5       | 5                        | 5     | 0%           |
| 801150     | Yes        | 3815  |           | 476     | 4,291                       | 4,291  | 0%           |               |        | 85      | 85                       | 85    | 0%           |
| 801546     | No         | 4515  |           | 205     | 4,720                       | 4,720  | 100%         |               |        |         | -                        | -     | 100%         |
| 801845     | Yes        | 969   |           | 131     | 1,100                       | 1,100  | 0%           |               |        | 529     | 529                      | 529   | 0%           |
| 801874     | No         | 478   |           |         | 478                         | 478    | 100%         |               |        |         | -                        | -     | 100%         |
| 801875     | No         | 2422  |           | 8       | 2,430                       | 2,430  | 100%         | 104           |        | 344     | 448                      | 448   | 100%         |
| 801907     | Yes        | 45    |           |         | 45                          | 45     | 0%           |               |        |         | -                        | -     | 0%           |
| 801861     | Yes        | 1520  |           | 339     | 1,859                       | 1,859  | 0%           | 18            |        | 89      | 107                      | 107   | 0%           |
| 801873     | No         | 2224  |           | 69      | 2,293                       | 2,293  | 100%         | 47            |        | 243     | 290                      | 290   | 100%         |
| 801781     | Yes        | 11    |           |         | 11                          | 11     | 0%           |               |        |         | -                        | -     | 0%           |
| 801828     | No         | 2499  |           | 7       | 2,506                       | 2,506  | 100%         |               |        |         | -                        | -     | 100%         |
| 801939     | Yes        | 1914  |           |         | 1,914                       | 1,914  | 0%           | 5             |        | 147     | 152                      | 152   | 0%           |
| 801709     | No         | 1422  |           | 12      | 1,434                       | 1,434  | 100%         | 1             |        | 493     | 494                      | 494   | 100%         |
| 801868     | No         |       | 631       |         | 631                         | 631    | 100%         |               |        | 105     | 105                      | 105   | 100%         |
| 801712     | No         | 1151  | 66        | 57      | 1,274                       | 1,274  | 100%         | 399           |        | 692     | 1,091                    | 1,091 | 100%         |
| 801925     | Yes        | 1413  |           | 88      | 1,501                       | 1,501  | 0%           |               |        | 114     | 114                      | 114   | 0%           |
| 801710     | No         | 1335  |           |         | 1,335                       | 1,335  | 100%         |               |        |         | -                        | -     | 100%         |
| 801706     | Yes        | 1392  |           |         | 1,392                       | 1,392  | 0%           |               |        | 219     | 219                      | 219   | 0%           |
| 801815     | No         | 2587  |           | 77      | 2,664                       | 2,664  | 100%         |               |        |         | -                        | -     | 100%         |
| 801428     | No         | 1384  |           | 179     | 1,563                       | 1,563  | 100%         |               |        | 462     | 462                      | 462   | 100%         |

Spire West  
Case No. GO-2018-0310

| Work Order | Relocation | Mains |           |         |                             |       | Disallowed % |
|------------|------------|-------|-----------|---------|-----------------------------|-------|--------------|
|            |            | Steel | Cast Iron | Plastic | Cast Iron, Steel, & Plastic | Total |              |
| 801295     | No         | 276   |           | 10      | 286                         | 286   | 100%         |
| 802000     | Yes        | 932   |           |         | 932                         | 932   | 0%           |
| 801909     | No         | 3883  |           | 18      | 3,901                       | 3,901 | 100%         |
| 802002     | No         | 1230  |           |         | 1,230                       | 1,230 | 100%         |
| 801983     | Yes        | 380   |           |         | 380                         | 380   | 0%           |
| 802032     | No         |       | 354       | 5       | 359                         | 359   | 100%         |
| 801731     | No         | 1365  |           | 121     | 1,486                       | 1,486 | 100%         |
| 801042     | No         |       |           | 22      | 22                          | 22    | 100%         |
| 800127     | No         | 6550  |           | 54      | 6,604                       | 6,604 | 100%         |
| 800087     | No         | 5975  |           | 489     | 6,464                       | 6,464 | 100%         |
| 800088     | No         |       |           | 260     | 260                         | 260   | 100%         |
| 801172     | No         |       | 260       |         | 260                         | 260   | 100%         |

**Total Disallowed**                    1,293,611  
**Total Footage**                        1,446,022  
**Overall Percentage Disallowed**    89.46%

| Service Lines |        |         |                          |       |      | Disallowed % |
|---------------|--------|---------|--------------------------|-------|------|--------------|
| Steel         | Copper | Plastic | Steel, Copper, & Plastic | Total |      |              |
|               |        | 75      | 75                       | 75    | 100% |              |
|               |        | 397     | 397                      | 397   | 0%   |              |
| 483           |        | 188     | 671                      | 671   | 100% |              |
| 74            |        | 568     | 642                      | 642   | 100% |              |
|               |        |         | -                        | -     | 0%   |              |
|               |        | 241     | 241                      | 241   | 100% |              |
|               |        | 1002    | 1,002                    | 1,002 | 100% |              |
|               |        |         | -                        | -     | 100% |              |
| 18            |        | 2646    | 2,664                    | 2,664 | 100% |              |
| 90            |        | 2384    | 2,474                    | 2,474 | 100% |              |
| 42            |        | 684     | 726                      | 726   | 100% |              |
|               |        |         | -                        | -     | 100% |              |

**Total Disallowed**                    351,778  
**Total Footage**                        390,898  
**Overall Percentage Disallowed**    89.99%

Spire 2018 Remand Cases  
Refund Calculation

|  | <b>East</b>         | <b>West</b>          |
|--|---------------------|----------------------|
|  | <b>GO-2018-0309</b> | <b>GO-2018-0310</b>  |
| Spire ISRS Case Number   |                     |                      |
| Commission Ordered Annual Revenue Requirement                            | \$ 2,607,610        | \$ 5,411,793         |
| Effective Date of Rates GO-2018-0309 & 0310                              | 10/8/2018           | 10/8/2018            |
| ISRS Effective Date of Rates   | 7/16/2020           | 7/16/2020            |
| Daily amount (Commission RR/365)   | \$ 7,144            | \$ 14,827            |
| Number of Days Collected   | 647                 | 647                  |
| Total Amount Charged to Ratepayers                                       | \$ 4,622,257        | \$ 9,592,959         |
| Revised Annual Revenue Requirement (Court Order)                         | \$ (336,881)        | \$ (157,987)         |
| Daily amount (Revised RR/365)  | \$ (923)            | \$ (433)             |
| Total Revised Revenues that excludes cast iron, steel, and service lines | \$ (597,156)        | \$ (280,048)         |
| Total Amount Charged to Ratepayers                                       | \$ 4,622,257        | \$ 9,592,959         |
| Total Revised Revenues that excludes cast iron, steel, and service lines | \$ (597,156)        | \$ (280,048)         |
| <b>Refund Amount before Interest</b>                                     | <b>\$ 5,219,413</b> | <b>\$ 9,873,007</b>  |
| Interest Rate (Prime minus 2 percentage points (Note))                   | 2.83%               | 2.83%                |
| Interest Amount  | \$ 147,608          | \$ 279,214           |
| <b>Total Refund</b>  | <b>\$ 5,367,021</b> | <b>\$ 10,152,221</b> |

Note: Section 386.520 paragraph 2 (2)

SPIRE MISSOURI INC. - EAST  
CASE NO. GO-2018-0309  
ISRS RATE DESIGN

ISRS Refund Spire East Case No. GO-2018-0309

**\$5,367,021**

| <u>Customer Rate Class</u>                   | <u>Cust #</u>  | <u>Customer Charge</u> | <u>Ratio To Residential</u> | <u>Weighted Cust #</u> | <u>Customer Percentage</u> | <u>Cal ISRS Charge</u> | <u>ISRS Revenues</u> |
|--|----------------|------------------------|-----------------------------|------------------------|----------------------------|------------------------|----------------------|
| Residential                                  | 604,973        | \$22.00                | 1.0000                      | 604,973                | 86.0152%                   | \$7.63                 | \$4,616,454          |
| SGS (Small Gen. Service                      | 36,743         | \$35.00                | 1.5909                      | 58,455                 | 8.3111%                    | \$12.14                | \$446,059            |
| LGS-Large Gen. Service                       | 3,882          | \$125.00               | 5.6818                      | 22,057                 | 3.1360%                    | \$43.36                | \$168,312            |
| LV-Large Volume Service                      | 67             | \$914.25               | 41.5568                     | 2,784                  | 0.3959%                    | \$317.11               | \$21,247             |
| SL-Unmetered Gas Light                       | 84             | \$6.00                 | 0.2727                      | 23                     | 0.0033%                    | \$2.08                 | \$175                |
| IN-Interruptable                             | 20             | \$837.40               | 38.0636                     | 761                    | 0.1082%                    | \$290.46               | \$5,809              |
| General LP                                   | 36             | \$17.94                | 0.8155                      | 29                     | 0.0042%                    | \$6.22                 | \$224                |
| Vehicular Fuel                               | 8              | \$23.38                | 1.0627                      | 9                      | 0.0012%                    | \$8.11                 | \$65                 |
| LVTSS-Large Volume Transport & Sales Service | 147            | \$2,131.41             | 96.8823                     | 14,242                 | 2.0249%                    | \$61.61                | \$108,676            |
| <b>TOTAL</b>                                 | <b>645,960</b> |                        |                             | <b>703,333</b>         | <b>100.00%</b>             |                        | <b>\$5,367,021</b>   |

SPIRE MISSOURI INC. - WEST  
CASE NO. GO-2018-0310 Refund Rate Design

Refund Spire West Case No. GO-2018-0310

| <u>Customer Rate Class</u> | <u>Cust #</u>         | <u>Customer Charge</u> | <u>Ratio To Residential</u> | <u>Weighted Cust #</u> | <u>Customer Percentage</u> | <u>Cal ISRS Charge</u> | <u>ISRS Revenues</u>       |
|----------------------------|-----------------------|------------------------|-----------------------------|------------------------|----------------------------|------------------------|----------------------------|
| Residential                | 469,947               | \$20.00                | 1.0000                      | 469,947                | 82.9794%                   | \$17.93                | \$8,424,255                |
| SGS-Small Gen. Service     | 31,727                | \$30.00                | 1.5000                      | 47,591                 | 8.4031%                    | \$26.89                | \$853,106                  |
| LGS-Large Gen. Service     | 3,628                 | \$130.17               | 6.5085                      | 23,613                 | 4.1694%                    | \$116.67               | \$423,283                  |
| LV-Large Volume Service    | 460                   | \$1,095.27             | 54.7635                     | 25,191                 | 4.4481%                    | \$981.69               | \$451,577                  |
| <b><u>TOTAL</u></b>        | <b><u>505,762</u></b> |                        |                             | <b><u>566,342</u></b>  | <b><u>100.00%</u></b>      |                        | <b><u>\$10,152,221</u></b> |

\$10,152,221

SPIRE MISSOURI INC. - EAST  
CASE NO. GO-2018-0309  
ISRS RATE DESIGN  
Stipulation and Agreement update - (Case No. GO-2020-0229)  
with GO-2018-0309 remand

Staff's Total ISRS Rev Req

**\$15,888,977**

| <u>Customer Rate Class</u>                   | <u>Cust #</u>  | <u>Customer Charge</u> | <u>Ratio To Residential</u> | <u>Weighted Cust #</u> | <u>Customer Percentage</u> | <u>Cal ISRS Charge</u> | <u>ISRS Revenues</u> |
|--|----------------|------------------------|-----------------------------|------------------------|----------------------------|------------------------|----------------------|
| Residential                                  | 604,973        | \$22.00                | 1.0000                      | 604,973                | 86.0152%                   | \$1.88                 | \$13,666,936         |
| SGS (Small Gen. Service                      | 36,743         | \$35.00                | 1.5909                      | 58,455                 | 8.3111%                    | \$3.00                 | \$1,320,551          |
| LGS-Large Gen. Service                       | 3,882          | \$125.00               | 5.6818                      | 22,057                 | 3.1360%                    | \$10.70                | \$498,285            |
| LV-Large Volume Service                      | 67             | \$914.25               | 41.5568                     | 2,784                  | 0.3959%                    | \$78.23                | \$62,900             |
| SL-Unmetered Gas Light                       | 84             | \$6.00                 | 0.2727                      | 23                     | 0.0033%                    | \$0.51                 | \$518                |
| IN-Interruptable                             | 20             | \$837.40               | 38.0636                     | 761                    | 0.1082%                    | \$71.66                | \$17,198             |
| General LP                                   | 36             | \$17.94                | 0.8155                      | 29                     | 0.0042%                    | \$1.54                 | \$663                |
| Vehicular Fuel                               | 8              | \$23.38                | 1.0627                      | 9                      | 0.0012%                    | \$2.00                 | \$192                |
| LVTSS-Large Volume Transport & Sales Service | 147            | \$2,131.41             | 96.8823                     | 14,242                 | 2.0249%                    | \$182.39               | \$321,734            |
| <b>TOTAL</b>                                 | <b>645,960</b> |                        |                             | <b>703,333</b>         | <b>100.00%</b>             |                        | <b>\$15,888,977</b>  |

\* Due to rounding to the nearest penny, the designed ISRS rates **will under-collect by \$1,366**. However, it should be noted that the total amount collected will be trued-up at a later date.

SPIRE MISSOURI INC. - WEST  
CASE NO. GO-2018-0310  
ISRS RATE DESIGN  
Stipulation and Agreement update (Case No. GO-2020-0230)  
with GO-2018-0310 remand

Staff's Total ISRS Rev Req

\$15,939,051

| <u>Customer Rate Class</u> | <u>Cust #</u>  | <u>Customer Charge</u> | <u>Ratio To Residential</u> | <u>Weighted Cust #</u> | <u>Customer Percentage</u> | <u>Cal ISRS Charge</u> | <u>ISRS Revenues</u> |
|----------------------------|----------------|------------------------|-----------------------------|------------------------|----------------------------|------------------------|----------------------|
| Residential                | 469,947        | \$20.00                | 1.0000                      | 469,947                | 82.9794%                   | \$2.35                 | \$13,226,134         |
| SGS-Small Gen. Service     | 31,727         | \$30.00                | 1.5000                      | 47,591                 | 8.4031%                    | \$3.52                 | \$1,339,382          |
| LGS-Large Gen. Service     | 3,628          | \$130.17               | 6.5085                      | 23,613                 | 4.1694%                    | \$15.26                | \$664,557            |
| LV-Large Volume Service    | 460            | \$1,095.27             | 54.7635                     | 25,191                 | 4.4481%                    | \$128.44               | \$708,978            |
| <b>TOTAL</b>               | <b>505,762</b> |                        |                             | <b>566,342</b>         | <b>100.00%</b>             |                        | <b>\$15,939,051</b>  |

\* Due to rounding to the nearest penny, the designed ISRS rates **will over-collect by \$2,246**. However, it should be noted that the total amount collected will be trued-up at a later date.