

**Unitil Energy Systems, Inc.**  
**Typical Bill Impacts as a Result of Proposed Rates**  
**Impact on D Rate Customers**

| <u>Range Monthly kWh</u> | <u>Percentage Bills</u> | <u>Average kWh</u> | <u>Total Bill Using Rates Effective 6/1/22</u> | <u>Total Bill Using Rates Proposed 7/1/22</u> | <u>Total Difference</u> | <u>% Total Difference</u> |
|--------------------------|-------------------------|--------------------|--|---|-------------------------|---------------------------|
| 0-100                    | 7.6%                    | 38                 | \$23.01  | \$23.07                                       | \$0.06                  | 0.3%                      |
| 101-200                  | 8.2%                    | 154                | \$44.03  | \$44.28                                       | \$0.24                  | 0.6%                      |
| 201-300                  | 10.4%                   | 252                | \$61.82  | \$62.22                                       | \$0.40                  | 0.6%                      |
| 301-400                  | 11.2%                   | 351                | \$79.73  | \$80.28                                       | \$0.55                  | 0.7%                      |
| 401-500                  | 10.8%                   | 450                | \$97.71  | \$98.42                                       | \$0.71                  | 0.7%                      |
| 501-750                  | 21.6%                   | 617                | \$127.87                                       | \$128.84                                      | \$0.97                  | 0.8%                      |
| 750-1,000                | 13.0%                   | 864                | \$172.66                                       | \$174.03                                      | \$1.37                  | 0.8%                      |
| 1,000-1,500              | 11.2%                   | 1,201              | \$233.71                                       | \$235.60                                      | \$1.90                  | 0.8%                      |
| 1,501-2,000              | 3.6%                    | 1,707              | \$325.39                                       | \$328.08                                      | \$2.70                  | 0.8%                      |
| 2,001-3,500              | 2.0%                    | 2,447              | \$459.34                                       | \$463.21                                      | \$3.87                  | 0.8%                      |
| 3,501-5,000              | 0.2%                    | 4,021              | \$744.39                                       | \$750.74                                      | \$6.35                  | 0.9%                      |
| 5,000+                   | 0.0%                    | 6,632              | \$1,217.11                                     | \$1,227.59                                    | \$10.48                 | 0.9%                      |
| 600 kWh bill             |                         | 600                | \$124.86                                       | \$125.81                                      | \$0.95                  | 0.8%                      |

**Unitil Energy Systems, Inc.**  
**Rates - Effective 6/1/2022:**

|                                  |                  |
|----------------------------------|------------------|
| Customer Charge                  | <b>\$16.22</b>   |
|                                  | <u>All kWh</u>   |
| Distribution Charge              | \$0.04333        |
| External Delivery Charge         | \$0.02978        |
| Stranded Cost Charge             | (\$0.00002)      |
| System Benefits Charge           | \$0.00681        |
| Storm Recovery Adjustment Factor | \$0.00000        |
| Fixed Default Service Charge     | <u>\$0.10117</u> |
| <b>TOTAL</b>                     | <b>\$0.18107</b> |

**Unitil Energy Systems, Inc.**  
**Rates - Proposed 7/1/2022:**

|                                  |                  |
|----------------------------------|------------------|
| Customer Charge                  | <b>\$16.22</b>   |
|                                  | <u>All kWh</u>   |
| Distribution Charge              | \$0.04491        |
| External Delivery Charge         | \$0.02978        |
| Stranded Cost Charge             | (\$0.00002)      |
| System Benefits Charge           | \$0.00681        |
| Storm Recovery Adjustment Factor | \$0.00000        |
| Fixed Default Service Charge     | <u>\$0.10117</u> |
| <b>TOTAL</b>                     | <b>\$0.18265</b> |

**Unitil Energy Systems, Inc.**  
**Typical Bill Impacts as a Result of Proposed Rates**  
**Impact on G2 Rate Customers**

| <b>Average Load Factor</b> | <b>kW Range</b> | <b>Percentage Bills</b> | <b>Average Monthly kW</b> | <b>Average Monthly kWh</b> | <b>Total Bill Using Rates Effective 6/1/22</b> | <b>Total Bill Using Rates Proposed 7/1/22</b> | <b>Total Difference</b> | <b>% Total Difference</b> |
|----------------------------|-----------------|-------------------------|---------------------------|----------------------------|--|---|-------------------------|---------------------------|
| 17%                        | 0-1.0           | 26.9%                   | 1.0                       | 125                        | \$56.88  | \$57.21                                       | \$0.33                  | 0.6%                      |
| 28%                        | 1.1-2           | 10.6%                   | 1.5                       | 308                        | \$86.54  | \$87.03                                       | \$0.49                  | 0.6%                      |
| 24%                        | 2.1-3           | 7.4%                    | 2.5                       | 438                        | \$115.35                                       | \$116.18                                      | \$0.83                  | 0.7%                      |
| 24%                        | 3.1-4           | 6.5%                    | 3.5                       | 625                        | \$151.47                                       | \$152.64                                      | \$1.17                  | 0.8%                      |
| 25%                        | 4.1-5           | 5.9%                    | 4.5                       | 821                        | \$188.62                                       | \$190.12                                      | \$1.50                  | 0.8%                      |
| 24%                        | 5.1-6           | 5.4%                    | 5.5                       | 965                        | \$218.75                                       | \$220.58                                      | \$1.83                  | 0.8%                      |
| 24%                        | 6.1-7           | 4.2%                    | 6.5                       | 1,141                      | \$253.20                                       | \$255.35                                      | \$2.16                  | 0.9%                      |
| 25%                        | 7.1-8           | 3.6%                    | 7.5                       | 1,351                      | \$292.21                                       | \$294.70                                      | \$2.49                  | 0.9%                      |
| 26%                        | 8.1-9           | 3.0%                    | 8.5                       | 1,622                      | \$338.99                                       | \$341.80                                      | \$2.82                  | 0.8%                      |
| 27%                        | 9.1-10          | 2.6%                    | 9.5                       | 1,872                      | \$383.15                                       | \$386.30                                      | \$3.15                  | 0.8%                      |
| 28%                        | 10.1-12         | 4.2%                    | 11.0                      | 2,219                      | \$445.10                                       | \$448.73                                      | \$3.63                  | 0.8%                      |
| 29%                        | 12.1-14         | 2.9%                    | 13.0                      | 2,800                      | \$543.99                                       | \$548.28                                      | \$4.29                  | 0.8%                      |
| 31%                        | 14.1-16         | 2.4%                    | 15.0                      | 3,390                      | \$644.01                                       | \$648.96                                      | \$4.95                  | 0.8%                      |
| 33%                        | 16.1-18         | 1.8%                    | 17.0                      | 4,048                      | \$752.92                                       | \$758.53                                      | \$5.62                  | 0.7%                      |
| 33%                        | 18.1-20         | 1.4%                    | 19.0                      | 4,598                      | \$847.59                                       | \$853.87                                      | \$6.28                  | 0.7%                      |
| 34%                        | 20.1-22.5       | 1.4%                    | 21.3                      | 5,309                      | \$966.20                                       | \$973.21                                      | \$7.02                  | 0.7%                      |
| 35%                        | 22.6-25         | 1.2%                    | 23.7                      | 6,017                      | \$1,086.70                                     | \$1,094.52                                    | \$7.83                  | 0.7%                      |
| 37%                        | 25.1-30         | 1.6%                    | 27.4                      | 7,335                      | \$1,301.22                                     | \$1,310.27                                    | \$9.05                  | 0.7%                      |
| 40%                        | 30.1-35         | 1.1%                    | 32.5                      | 9,376                      | \$1,625.30                                     | \$1,636.02                                    | \$10.72                 | 0.7%                      |
| 40%                        | 35.1-40         | 0.9%                    | 37.5                      | 11,085                     | \$1,906.34                                     | \$1,918.72                                    | \$12.39                 | 0.6%                      |
| 40%                        | 40.1-45         | 0.7%                    | 42.5                      | 12,531                     | \$2,151.86                                     | \$2,165.88                                    | \$14.02                 | 0.7%                      |
| 43%                        | 45.1-50         | 0.6%                    | 47.5                      | 14,838                     | \$2,510.28                                     | \$2,525.96                                    | \$15.68                 | 0.6%                      |
| 42%                        | 50.1-60         | 0.9%                    | 54.8                      | 16,705                     | \$2,837.52                                     | \$2,855.60                                    | \$18.08                 | 0.6%                      |
| 43%                        | 60.1-70         | 0.7%                    | 64.8                      | 20,391                     | \$3,433.48                                     | \$3,454.86                                    | \$21.39                 | 0.6%                      |
| 44%                        | 70.1-80         | 0.5%                    | 75.2                      | 24,069                     | \$4,032.55                                     | \$4,057.37                                    | \$24.82                 | 0.6%                      |
| 44%                        | 80.1-90         | 0.4%                    | 84.7                      | 27,000                     | \$4,523.94                                     | \$4,551.89                                    | \$27.95                 | 0.6%                      |
| 41%                        | 90.1-100        | 0.3%                    | 94.4                      | 28,369                     | \$4,814.16                                     | \$4,845.31                                    | \$31.15                 | 0.6%                      |
| 45%                        | 100.1-120       | 0.4%                    | 109.2                     | 35,732                     | \$5,944.69                                     | \$5,980.74                                    | \$36.05                 | 0.6%                      |
| 45%                        | 120.1-140       | 0.2%                    | 129.0                     | 42,752                     | \$7,087.23                                     | \$7,129.80                                    | \$42.57                 | 0.6%                      |
| 43%                        | 140.1-160       | 0.1%                    | 149.1                     | 46,963                     | \$7,867.45                                     | \$7,916.64                                    | \$49.20                 | 0.6%                      |
| 40%                        | 160.1-200       | 0.1%                    | 175.7                     | 51,679                     | \$8,788.63                                     | \$8,846.60                                    | \$57.97                 | 0.7%                      |
| 26%                        | 200.1+          | 0.0%                    | 348.8                     | 66,522                     | \$12,719.61                                    | \$12,834.70                                   | \$115.09                | 0.9%                      |

| <b>Unitil Energy Systems, Inc.</b> |                  | <b>Unitil Energy Systems, Inc.</b> |                  |
|------------------------------------|------------------|------------------------------------|------------------|
| <b>Rates - Effective 6/1/2022:</b> |                  | <b>Rates - Proposed 7/1/2022:</b>  |                  |
| Customer Charge                    | <b>\$29.19</b>   | Customer Charge                    | <b>\$29.19</b>   |
|                                    | <u>All kW</u>    |                                    | <u>All kW</u>    |
| Distribution Charge                | \$11.54          | Distribution Charge                | \$11.87          |
| Stranded Cost Charge               | <u>\$0.00</u>    | Stranded Cost Charge               | <u>\$0.00</u>    |
| <b>TOTAL</b>                       | <b>\$11.54</b>   | <b>TOTAL</b>                       | <b>\$11.87</b>   |
|                                    | <u>kWh</u>       |                                    | <u>kWh</u>       |
| Distribution Charge                | \$0.00000        | Distribution Charge                | \$0.00000        |
| External Delivery Charge           | \$0.02978        | External Delivery Charge           | \$0.02978        |
| Stranded Cost Charge               | (\$0.00002)      | Stranded Cost Charge               | (\$0.00002)      |
| System Benefits Charge             | \$0.00681        | System Benefits Charge             | \$0.00681        |
| Storm Recovery Adjustment Factor   | \$0.00000        | Storm Recovery Adjustment Factor   | \$0.00000        |
| Fixed Default Service Charge       | <u>\$0.09370</u> | Fixed Default Service Charge       | <u>\$0.09370</u> |
| <b>TOTAL</b>                       | <b>\$0.13027</b> | <b>TOTAL</b>                       | <b>\$0.13027</b> |

**Unitil Energy Systems, Inc.**  
**Typical Bill Impacts as a Result of Proposed Rates**  
**Impact on G2 - kWh meter Rate Customers**

| <b>Range<br/>Monthly<br/>kWh</b> | <b>Percentage<br/>Bills</b> | <b>Average<br/>Monthly<br/>kWh</b> | <b>Total Bill<br/>Using Rates<br/>Effective 6/1/22</b> | <b>Total Bill<br/>Using Rates<br/>Proposed 7/1/22</b> | <b>Total<br/>Difference</b> | <b>%<br/>Total<br/>Difference</b> |
|----------------------------------|-----------------------------|------------------------------------|--|---|-----------------------------|-----------------------------------|
| 0-50                             | 58.8%                       | 18                                 | \$21.19  | \$21.27   | \$0.09                      | 0.4%                              |
| 51-100                           | 16.6%                       | 71                                 | \$29.34  | \$29.69   | \$0.35                      | 1.2%                              |
| 101-200                          | 13.3%                       | 146                                | \$40.92  | \$41.63   | \$0.71                      | 1.7%                              |
| 201-300                          | 4.8%                        | 243                                | \$55.81  | \$56.99   | \$1.18                      | 2.1%                              |
| 301-400                          | 2.3%                        | 346                                | \$71.79  | \$73.47   | \$1.68                      | 2.3%                              |
| 401-500                          | 1.3%                        | 452                                | \$88.14  | \$90.34   | \$2.20                      | 2.5%                              |
| 501-600                          | 1.1%                        | 543                                | \$102.16   | \$104.80  | \$2.64                      | 2.6%                              |
| 601-700                          | 0.6%                        | 639                                | \$116.95   | \$120.06  | \$3.10                      | 2.7%                              |
| 701-800                          | 0.3%                        | 742                                | \$132.85   | \$136.46  | \$3.61                      | 2.7%                              |
| 801-1,000                        | 0.3%                        | 890                                | \$155.64   | \$159.97  | \$4.32                      | 2.8%                              |
| 1,000+                           | 0.7%                        | 2,084                              | \$339.94   | \$350.07  | \$10.13                     | 3.0%                              |

**Unitil Energy Systems, Inc.**  
**Rates - Effective 6/1/2022:**

|                                  |                       |
|----------------------------------|-----------------------|
| Customer Charge                  | <b>\$18.38</b>        |
|                                  | <b><u>All kWh</u></b> |
| Distribution Charge              | \$0.02404             |
| External Delivery Charge         | \$0.02978             |
| Stranded Cost Charge             | (\$0.00002)           |
| System Benefits Charge           | \$0.00681             |
| Storm Recovery Adjustment Factor | \$0.00000             |
| Fixed Default Service Charge     | <u>\$0.09370</u>      |
| <b>TOTAL</b>                     | <b>\$0.15431</b>      |

**Unitil Energy Systems, Inc.**  
**Rates - Proposed 7/1/2022:**

|                                  |                       |
|----------------------------------|-----------------------|
| Customer Charge                  | <b>\$18.38</b>        |
|                                  | <b><u>All kWh</u></b> |
| Distribution Charge              | \$0.02890             |
| External Delivery Charge         | \$0.02978             |
| Stranded Cost Charge             | (\$0.00002)           |
| System Benefits Charge           | \$0.00681             |
| Storm Recovery Adjustment Factor | \$0.00000             |
| Fixed Default Service Charge     | <u>\$0.09370</u>      |
| <b>TOTAL</b>                     | <b>\$0.15917</b>      |

**Unitil Energy Systems, Inc.**  
**Typical Bill Impacts as a Result of Proposed Rates**  
**Impact on G2 - QRWH and SH Rate Customers**

| <u>Range Monthly kWh</u> | <u>Percentage Bills</u> | <u>Average kWh</u> | <u>Total Bill Using Rates Effective 6/1/22</u> | <u>Total Bill Using Rates Proposed 7/1/22</u> | <u>Total Difference</u> | <u>% Total Difference</u> |
|--------------------------|-------------------------|--------------------|--|---|-------------------------|---------------------------|
| 0-250                    | 41.9%                   | 79                 | \$22.81  | \$22.88                                       | \$0.07                  | 0.3%                      |
| 251-500                  | 13.0%                   | 365                | \$70.11  | \$70.45                                       | \$0.34                  | 0.5%                      |
| 501-750                  | 8.0%                    | 624                | \$112.89                                       | \$113.47                                      | \$0.57                  | 0.5%                      |
| 751-1,000                | 5.5%                    | 869                | \$153.27                                       | \$154.07                                      | \$0.80                  | 0.5%                      |
| 1,001-2,000              | 12.5%                   | 1,415              | \$243.62                                       | \$244.92                                      | \$1.30                  | 0.5%                      |
| 2,001-3,000              | 7.1%                    | 2,448              | \$414.28                                       | \$416.53                                      | \$2.25                  | 0.5%                      |
| 3,001-4,000              | 3.5%                    | 3,453              | \$580.36                                       | \$583.54                                      | \$3.18                  | 0.5%                      |
| 4,001-5,000              | 2.3%                    | 4,506              | \$754.47                                       | \$758.61                                      | \$4.15                  | 0.5%                      |
| 5,001-6,000              | 1.0%                    | 5,516              | \$921.29                                       | \$926.36                                      | \$5.07                  | 0.6%                      |
| 6,001-7,000              | 0.9%                    | 6,474              | \$1,079.76                                     | \$1,085.71                                    | \$5.96                  | 0.6%                      |
| 7,001-8,000              | 0.9%                    | 7,429              | \$1,237.55                                     | \$1,244.39                                    | \$6.83                  | 0.6%                      |
| 8,001-9,000              | 0.4%                    | 8,471              | \$1,409.66                                     | \$1,417.46                                    | \$7.79                  | 0.6%                      |
| 9,001-10,000             | 0.5%                    | 9,612              | \$1,598.34                                     | \$1,607.18                                    | \$8.84                  | 0.6%                      |
| 10,001+                  | 2.6%                    | 18,764             | \$3,110.85                                     | \$3,128.11                                    | \$17.26                 | 0.6%                      |

**Unitil Energy Systems, Inc.**  
**Rates - Effective 6/1/2022:**

|                                  |                  |
|----------------------------------|------------------|
| Customer Charge                  | <b>\$9.73</b>    |
|                                  | <u>All kWh</u>   |
| Distribution Charge              | \$0.03500        |
| External Delivery Charge         | \$0.02978        |
| Stranded Cost Charge             | (\$0.00002)      |
| System Benefits Charge           | \$0.00681        |
| Storm Recovery Adjustment Factor | \$0.00000        |
| Fixed Default Service Charge     | <u>\$0.09370</u> |
| <b>TOTAL</b>                     | <b>\$0.16527</b> |

**Unitil Energy Systems, Inc.**  
**Rates - Proposed 7/1/2022:**

|                                  |                  |
|----------------------------------|------------------|
| Customer Charge                  | <b>\$9.73</b>    |
|                                  | <u>All kWh</u>   |
| Distribution Charge              | \$0.03592        |
| External Delivery Charge         | \$0.02978        |
| Stranded Cost Charge             | (\$0.00002)      |
| System Benefits Charge           | \$0.00681        |
| Storm Recovery Adjustment Factor | \$0.00000        |
| Fixed Default Service Charge     | <u>\$0.09370</u> |
| <b>TOTAL</b>                     | <b>\$0.16619</b> |

**Unitil Energy Systems, Inc.**  
**Typical Bill Impacts as a Result of Proposed Rates**  
**Impact on G1 Rate Customers**

| Customer | Load Factor | Average Monthly kVA | Average kWh | Voltage Discount Tier | Transformer Ownership Credit | Total Bill Using Rates Effective 6/1/22 | Total Bill Using Rates Proposed 7/1/22 | Total Difference | % Total Difference |
|----------|-------------|---------------------|-------------|-----------------------|------------------------------|---|--|------------------|--------------------|
| 1        | 32.0%       | 291                 | 67,950      |                       | Yes                          | \$12,067.34                             | \$12,122.64                            | \$55.29          | 0.5%               |
| 2        | 40.1%       | 158                 | 46,305      | 1                     | Yes                          | \$7,736.09                              | \$7,765.58                             | \$29.49          | 0.4%               |
| 3        | 20.3%       | 489                 | 72,292      |                       | Yes                          | \$14,205.35                             | \$14,298.20                            | \$92.86          | 0.7%               |
| 4        | 15.5%       | 567                 | 64,125      |                       |                              | \$13,926.24                             | \$14,033.91                            | \$107.67         | 0.8%               |
| 5        | 16.8%       | 193                 | 23,717      |                       | Yes                          | \$5,022.19                              | \$5,058.90                             | \$36.71          | 0.7%               |
| 6        | 33.2%       | 288                 | 69,841      | 1                     | Yes                          | \$11,993.39                             | \$12,046.98                            | \$53.60          | 0.4%               |
| 7        | 40.1%       | 290                 | 84,900      |                       |                              | \$14,614.16                             | \$14,669.22                            | \$55.06          | 0.4%               |
| 8        | 24.8%       | 316                 | 57,185      |                       |                              | \$10,889.96                             | \$10,950.09                            | \$60.13          | 0.6%               |
| 9        | 49.2%       | 186                 | 66,885      | 1                     | Yes                          | \$10,813.95                             | \$10,848.59                            | \$34.64          | 0.3%               |
| 10       | 29.4%       | 673                 | 144,575     | 1                     | Yes                          | \$25,317.92                             | \$25,443.29                            | \$125.37         | 0.5%               |
| 11       | 57.5%       | 450                 | 189,070     |                       |                              | \$30,747.08                             | \$30,832.59                            | \$85.51          | 0.3%               |
| 12       | 44.0%       | 322                 | 103,375     |                       |                              | \$17,506.59                             | \$17,567.77                            | \$61.18          | 0.3%               |
| 13       | 36.9%       | 451                 | 121,500     |                       |                              | \$21,142.63                             | \$21,228.34                            | \$85.71          | 0.4%               |
| 14       | 52.9%       | 318                 | 123,050     |                       |                              | \$20,276.06                             | \$20,336.56                            | \$60.49          | 0.3%               |
| 15       | 42.0%       | 291                 | 89,400      |                       |                              | \$15,267.68                             | \$15,323.05                            | \$55.37          | 0.4%               |
| 16       | 23.2%       | 459                 | 77,850      |                       |                              | \$14,994.65                             | \$15,081.81                            | \$87.15          | 0.6%               |
| 17       | 53.7%       | 716                 | 280,803     | 1                     | Yes                          | \$44,634.53                             | \$44,767.88                            | \$133.35         | 0.3%               |
| 18       | 70.0%       | 538                 | 275,100     |                       |                              | \$43,708.24                             | \$43,810.49                            | \$102.25         | 0.2%               |
| 19       | 66.9%       | 1,432               | 699,283     | 2                     | Yes                          | \$106,721.65                            | \$106,984.30                           | \$262.64         | 0.2%               |
| 20       | 26.6%       | 640                 | 124,101     | 1                     | Yes                          | \$22,212.41                             | \$22,331.58                            | \$119.17         | 0.5%               |
| 21       | 50.9%       | 254                 | 94,302      | 1                     | Yes                          | \$15,147.77                             | \$15,195.04                            | \$47.27          | 0.3%               |
| 22       | 21.6%       | 228                 | 35,933      | 1                     | Yes                          | \$6,816.68                              | \$6,859.18                             | \$42.50          | 0.6%               |
| 23       | 55.0%       | 495                 | 198,707     |                       |                              | \$32,485.54                             | \$32,579.58                            | \$94.03          | 0.3%               |
| 24       | 57.4%       | 420                 | 175,773     |                       |                              | \$28,606.59                             | \$28,686.33                            | \$79.74          | 0.3%               |
| 25       | 35.7%       | 293                 | 76,309      | 1                     | Yes                          | \$12,933.12                             | \$12,987.65                            | \$54.53          | 0.4%               |
| 26       | 62.3%       | 558                 | 254,016     | 2                     | Yes                          | \$39,103.20                             | \$39,205.55                            | \$102.36         | 0.3%               |
| 27       | 49.8%       | 692                 | 251,233     |                       | Yes                          | \$41,224.32                             | \$41,355.74                            | \$131.42         | 0.3%               |
| 28       | 34.1%       | 379                 | 94,439      | 1                     | Yes                          | \$16,113.14                             | \$16,183.79                            | \$70.65          | 0.4%               |
| 29       | 14.6%       | 274                 | 29,187      |                       | Yes                          | \$6,424.13                              | \$6,476.25                             | \$52.12          | 0.8%               |
| 30       | 42.8%       | 179                 | 55,967      |                       |                              | \$9,592.34                              | \$9,626.39                             | \$34.05          | 0.4%               |
| 31       | 21.9%       | 468                 | 74,603      | 1                     | Yes                          | \$14,011.84                             | \$14,098.91                            | \$87.07          | 0.6%               |
| 32       | 25.4%       | 392                 | 72,567      |                       |                              | \$13,696.45                             | \$13,770.92                            | \$74.47          | 0.5%               |
| 33       | 37.9%       | 218                 | 60,330      |                       |                              | \$10,529.18                             | \$10,570.56                            | \$41.38          | 0.4%               |
| 34       | 54.1%       | 2,781               | 1,099,095   | 2                     | Yes                          | \$171,615.72                            | \$172,125.53                           | \$509.81         | 0.3%               |
| 35       | 45.5%       | 277                 | 91,980      |                       |                              | \$15,514.62                             | \$15,567.20                            | \$52.58          | 0.3%               |
| 36       | 58.4%       | 561                 | 238,900     |                       |                              | \$38,740.98                             | \$38,847.47                            | \$106.49         | 0.3%               |
| 37       | 57.5%       | 429                 | 180,133     | 2                     | Yes                          | \$28,003.11                             | \$28,081.83                            | \$78.72          | 0.3%               |
| 38       | 36.9%       | 342                 | 92,233      |                       |                              | \$16,087.11                             | \$16,152.13                            | \$65.02          | 0.4%               |
| 39       | 22.2%       | 382                 | 62,000      |                       | Yes                          | \$11,919.47                             | \$11,992.03                            | \$72.55          | 0.6%               |
| 40       | 32.6%       | 227                 | 53,960      |                       |                              | \$9,694.51                              | \$9,737.56                             | \$43.04          | 0.4%               |
| 41       | 69.3%       | 2,259               | 1,143,565   | 2                     | Yes                          | \$173,851.77                            | \$174,265.98                           | \$414.21         | 0.2%               |
| 42       | 61.5%       | 1,286               | 577,482     | 2                     | Yes                          | \$88,912.24                             | \$89,148.02                            | \$235.78         | 0.3%               |
| 43       | 62.8%       | 2,917               | 1,336,786   | 2                     |                              | \$206,670.48                            | \$207,205.36                           | \$534.87         | 0.3%               |
| 44       | 36.1%       | 498                 | 131,232     | 1                     | Yes                          | \$22,137.15                             | \$22,229.90                            | \$92.74          | 0.4%               |
| 45       | 25.4%       | 431                 | 79,983      |                       |                              | \$15,070.48                             | \$15,152.35                            | \$81.87          | 0.5%               |
| 46       | 53.6%       | 1,072               | 419,655     | 2                     | Yes                          | \$65,655.27                             | \$65,851.80                            | \$196.53         | 0.3%               |
| 47       | 65.3%       | 644                 | 307,000     |                       |                              | \$49,111.38                             | \$49,233.70                            | \$122.31         | 0.2%               |
| 48       | 51.5%       | 159                 | 59,867      |                       |                              | \$9,983.19                              | \$10,013.44                            | \$30.25          | 0.3%               |
| 49       | 25.0%       | 133                 | 24,333      |                       |                              | \$4,715.54                              | \$4,740.86                             | \$25.32          | 0.5%               |
| 50       | 22.6%       | 246                 | 40,675      |                       |                              | \$7,966.35                              | \$8,013.15                             | \$46.80          | 0.6%               |
| 51       | 22.0%       | 397                 | 63,750      |                       |                              | \$12,479.23                             | \$12,554.56                            | \$75.33          | 0.6%               |
| 52       | 16.5%       | 372                 | 44,875      |                       |                              | \$9,591.18                              | \$9,661.81                             | \$70.63          | 0.7%               |
| 53       | 57.7%       | 762                 | 320,917     |                       |                              | \$52,061.00                             | \$52,205.81                            | \$144.81         | 0.3%               |
| 54       | 40.5%       | 183                 | 54,200      |                       |                              | \$9,374.17                              | \$9,408.99                             | \$34.82          | 0.4%               |
| 55       | 53.2%       | 695                 | 270,150     |                       |                              | \$44,290.65                             | \$44,422.76                            | \$132.10         | 0.3%               |
| 56       | 48.6%       | 199                 | 70,633      |                       |                              | \$11,841.81                             | \$11,879.64                            | \$37.83          | 0.3%               |

| Unitil Energy Systems, Inc.<br>Rates - Effective 6/1/2022: |                  | Unitil Energy Systems, Inc.<br>Rates - Proposed 7/1/2022: |                  |
|--|------------------|---|------------------|
| Customer Charge - Secondary                                | \$162.18         | Customer Charge - Secondary                               | \$162.18         |
| Customer Charge - Primary                                  | \$86.49          | Customer Charge - Primary                                 | \$86.49          |
|  | <u>All kVA</u>   |   | <u>All kVA</u>   |
| Distribution Charge  | \$8.19           | Distribution Charge                                       | \$8.38           |
| Stranded Cost Charge                                       | <u>\$0.00</u>    | Stranded Cost Charge                                      | <u>\$0.00</u>    |
| <b>TOTAL</b>   | <b>\$8.19</b>    | <b>TOTAL</b>  | <b>\$8.38</b>    |
|  | <u>All kWh</u>   |   | <u>All kWh</u>   |
| Distribution Charge  | \$0.00000        | Distribution Charge                                       | \$0.00000        |
| External Delivery Charge                                   | \$0.02978        | External Delivery Charge                                  | \$0.02978        |
| Stranded Cost Charge                                       | (\$0.00002)      | Stranded Cost Charge                                      | (\$0.00002)      |
| System Benefits Charge                                     | \$0.00681        | System Benefits Charge                                    | \$0.00681        |
| Storm Recovery Adjustment Factor                           | \$0.00000        | Storm Recovery Adjustment Factor                          | \$0.00000        |
| May 22 Default Service Charge                              | <u>\$0.10570</u> | May 22 Default Service Charge                             | <u>\$0.10570</u> |
| <b>TOTAL</b>   | <b>\$0.14227</b> | <b>TOTAL</b>  | <b>\$0.14227</b> |
| High Voltage Discount 1 for 4-13.8 kV                      | 2.0%             | High Voltage Discount 1 for 4-13.8 kV                     | 2.0%             |
| High Voltage Discount 2 for 34.5 kV                        | 3.5%             | High Voltage Discount 2 for 34.5 kV                       | 3.5%             |
| Transformer Ownership Credit \$/kVA                        | \$0.50           | Transformer Ownership Credit \$/kVA                       | \$0.50           |

**Unitil Energy Systems, Inc.**  
**Typical Bill Impacts as a Result of Proposed Rates**  
**Impact on G1 Rate Customers**

| Customer | Load Factor | Average Monthly kVA | Average kWh | Voltage Discount Tier | Transformer Ownership Credit | Total Bill Using Rates Effective 6/1/22 | Total Bill Using Rates Proposed 7/1/22 | Total Difference | % Total Difference |
|----------|-------------|---------------------|-------------|-----------------------|------------------------------|---|--|------------------|--------------------|
| 57       | 48.2%       | 243                 | 85,567      |                       |                              | \$14,327.01                             | \$14,373.21                            | \$46.20          | 0.3%               |
| 58       | 51.0%       | 315                 | 117,293     |                       |                              | \$19,431.20                             | \$19,491.09                            | \$59.89          | 0.3%               |
| 59       | 33.1%       | 333                 | 80,643      |                       |                              | \$14,365.51                             | \$14,428.85                            | \$63.34          | 0.4%               |
| 60       | 31.4%       | 389                 | 89,200      |                       |                              | \$16,041.44                             | \$16,115.42                            | \$73.98          | 0.5%               |
| 61       | 45.3%       | 325                 | 107,333     |                       |                              | \$18,092.40                             | \$18,154.11                            | \$61.71          | 0.3%               |
| 62       | 23.2%       | 1,393               | 236,250     |                       | Yes                          | \$44,481.79                             | \$44,746.37                            | \$264.58         | 0.6%               |
| 63       | 21.5%       | 482                 | 75,480      |                       |                              | \$14,846.39                             | \$14,937.92                            | \$91.54          | 0.6%               |
| 64       | 41.2%       | 297                 | 89,533      |                       |                              | \$15,335.52                             | \$15,392.02                            | \$56.50          | 0.4%               |
| 65       | 47.8%       | 259                 | 90,500      |                       |                              | \$15,160.33                             | \$15,209.57                            | \$49.24          | 0.3%               |
| 66       | 41.3%       | 154                 | 46,583      |                       |                              | \$8,053.92                              | \$8,083.25                             | \$29.33          | 0.4%               |
| 67       | 7.5%        | 373                 | 20,342      |                       |                              | \$6,108.94                              | \$6,179.76                             | \$70.82          | 1.2%               |
| 68       | 44.8%       | 355                 | 115,887     |                       |                              | \$19,553.55                             | \$19,620.92                            | \$67.37          | 0.3%               |
| 69       | 55.6%       | 520                 | 211,000     |                       |                              | \$34,436.40                             | \$34,535.12                            | \$98.72          | 0.3%               |
| 70       | 32.0%       | 372                 | 86,900      |                       |                              | \$15,573.56                             | \$15,644.27                            | \$70.71          | 0.5%               |
| 71       | 51.4%       | 280                 | 105,200     |                       |                              | \$17,425.53                             | \$17,478.81                            | \$53.28          | 0.3%               |
| 72       | 48.5%       | 465                 | 164,567     |                       |                              | \$27,384.18                             | \$27,472.55                            | \$88.37          | 0.3%               |
| 73       | 54.1%       | 409                 | 161,410     |                       |                              | \$26,473.85                             | \$26,551.52                            | \$77.67          | 0.3%               |
| 74       | 38.3%       | 166                 | 46,470      |                       |                              | \$8,135.60                              | \$8,167.20                             | \$31.60          | 0.4%               |
| 75       | 76.1%       | 476                 | 264,430     |                       |                              | \$41,683.53                             | \$41,774.03                            | \$90.50          | 0.2%               |
| 76       | 55.2%       | 354                 | 142,383     |                       |                              | \$23,314.22                             | \$23,381.39                            | \$67.17          | 0.3%               |
| 77       | 49.6%       | 252                 | 91,333      |                       |                              | \$15,223.74                             | \$15,271.70                            | \$47.97          | 0.3%               |
| 78       | 33.0%       | 212                 | 51,093      |                       |                              | \$9,167.44                              | \$9,207.72                             | \$40.28          | 0.4%               |
| 79       | 51.3%       | 328                 | 122,880     |                       |                              | \$20,331.59                             | \$20,393.94                            | \$62.34          | 0.3%               |
| 80       | 58.8%       | 678                 | 291,100     |                       |                              | \$47,131.71                             | \$47,260.57                            | \$128.86         | 0.3%               |
| 81       | 12.5%       | 681                 | 62,090      |                       |                              | \$14,571.31                             | \$14,700.66                            | \$129.35         | 0.9%               |
| 82       | 33.0%       | 192                 | 46,390      |                       |                              | \$8,338.46                              | \$8,375.03                             | \$36.57          | 0.4%               |
| 83       | 52.5%       | 249                 | 95,583      |                       |                              | \$15,802.18                             | \$15,849.54                            | \$47.36          | 0.3%               |
| 84       | 12.6%       | 838                 | 76,750      |                       |                              | \$17,940.80                             | \$18,099.93                            | \$159.13         | 0.9%               |
| 85       | 61.7%       | 257                 | 115,933     |                       |                              | \$18,764.12                             | \$18,813.03                            | \$48.91          | 0.3%               |
| 86       | 17.5%       | 633                 | 80,900      |                       |                              | \$16,857.59                             | \$16,977.90                            | \$120.30         | 0.7%               |
| 87       | 4.7%        | 180                 | 6,192       | 2                     |                              | \$2,356.05                              | \$2,388.98                             | \$32.93          | 1.4%               |
| 88       | 21.1%       | 241                 | 37,150      |                       |                              | \$7,421.64                              | \$7,467.44                             | \$45.80          | 0.6%               |
| 89       | 60.6%       | 489                 | 216,067     |                       |                              | \$34,903.00                             | \$34,995.82                            | \$92.82          | 0.3%               |
| 90       | 56.2%       | 1,044               | 428,000     |                       |                              | \$69,600.82                             | \$69,799.11                            | \$198.28         | 0.3%               |
| 91       | 26.8%       | 360                 | 70,500      |                       |                              | \$13,140.62                             | \$13,209.02                            | \$68.40          | 0.5%               |
| 92       | 17.5%       | 321                 | 41,007      |                       |                              | \$8,628.74                              | \$8,689.81                             | \$61.07          | 0.7%               |
| 93       | 39.4%       | 311                 | 89,520      |                       |                              | \$15,446.99                             | \$15,506.12                            | \$59.13          | 0.4%               |
| 94       | 67.4%       | 501                 | 246,680     |                       |                              | \$39,361.15                             | \$39,456.35                            | \$95.20          | 0.2%               |
| 95       | 25.8%       | 222                 | 41,900      |                       |                              | \$7,943.32                              | \$7,985.54                             | \$42.22          | 0.5%               |
| 96       | 64.7%       | 354                 | 167,040     |                       |                              | \$26,822.67                             | \$26,889.85                            | \$67.18          | 0.3%               |
| 97       | 42.0%       | 297                 | 91,080      |                       |                              | \$15,551.61                             | \$15,608.01                            | \$56.41          | 0.4%               |
| 98       | 20.0%       | 230                 | 33,520      |                       |                              | \$6,812.11                              | \$6,855.75                             | \$43.64          | 0.6%               |
| 99       | 11.0%       | 250                 | 20,064      |                       |                              | \$5,061.05                              | \$5,108.47                             | \$47.43          | 0.9%               |
| 100      | 21.8%       | 228                 | 36,187      |                       |                              | \$7,176.89                              | \$7,220.19                             | \$43.30          | 0.6%               |
| 101      | 47.6%       | 476                 | 165,320     |                       |                              | \$27,582.33                             | \$27,672.81                            | \$90.48          | 0.3%               |
| 102      | 55.4%       | 356                 | 143,928     |                       |                              | \$23,553.23                             | \$23,620.84                            | \$67.61          | 0.3%               |
| 103      | 37.7%       | 381                 | 104,773     | 2                     | Yes                          | \$17,295.00                             | \$17,364.78                            | \$69.78          | 0.4%               |
| 104      | 34.6%       | 376                 | 94,929      | 1                     | Yes                          | \$16,152.45                             | \$16,222.38                            | \$69.93          | 0.4%               |
| 105      | 70.3%       | 321                 | 164,820     |                       |                              | \$26,241.41                             | \$26,302.43                            | \$61.02          | 0.2%               |
| 106      | 33.7%       | 258                 | 63,456      |                       |                              | \$11,299.74                             | \$11,348.68                            | \$48.94          | 0.4%               |
| 107      | 19.7%       | 271                 | 39,008      |                       |                              | \$7,930.31                              | \$7,981.78                             | \$51.47          | 0.6%               |
| 108      | 54.3%       | 257                 | 102,032     |                       |                              | \$16,786.99                             | \$16,835.91                            | \$48.92          | 0.3%               |
| 109      | 42.3%       | 239                 | 73,700      |                       |                              | \$12,602.91                             | \$12,648.27                            | \$45.36          | 0.4%               |
| 110      | 48.6%       | 770                 | 273,155     | 2                     | Yes                          | \$43,301.57                             | \$43,442.74                            | \$141.16         | 0.3%               |
| 111      | 37.3%       | 295                 | 80,320      |                       |                              | \$14,004.95                             | \$14,060.99                            | \$56.04          | 0.4%               |
| 112      | 40.2%       | 368                 | 107,900     |                       |                              | \$18,525.94                             | \$18,595.84                            | \$69.89          | 0.4%               |

| Unitil Energy Systems, Inc.<br>Rates - Effective 6/1/2022: |                  | Unitil Energy Systems, Inc.<br>Rates - Proposed 7/1/2022: |                  |
|--|------------------|---|------------------|
| Customer Charge - Secondary                                | \$162.18         | Customer Charge - Secondary                               | \$162.18         |
| Customer Charge - Primary                                  | \$86.49          | Customer Charge - Primary                                 | \$86.49          |
|  | <u>All kVA</u>   |   | <u>All kVA</u>   |
| Distribution Charge  | \$8.19           | Distribution Charge                                       | \$8.38           |
| Stranded Cost Charge                                       | <u>\$0.00</u>    | Stranded Cost Charge                                      | <u>\$0.00</u>    |
| <b>TOTAL</b>   | <b>\$8.19</b>    | <b>TOTAL</b>  | <b>\$8.38</b>    |
|  | <u>All kWh</u>   |   | <u>All kWh</u>   |
| Distribution Charge  | \$0.00000        | Distribution Charge                                       | \$0.00000        |
| External Delivery Charge                                   | \$0.02978        | External Delivery Charge                                  | \$0.02978        |
| Stranded Cost Charge                                       | (\$0.00002)      | Stranded Cost Charge                                      | (\$0.00002)      |
| System Benefits Charge                                     | \$0.00681        | System Benefits Charge                                    | \$0.00681        |
| Storm Recovery Adjustment Factor                           | \$0.00000        | Storm Recovery Adjustment Factor                          | \$0.00000        |
| May 22 Default Service Charge                              | <u>\$0.10570</u> | May 22 Default Service Charge                             | <u>\$0.10570</u> |
| <b>TOTAL</b>   | <b>\$0.14227</b> | <b>TOTAL</b>  | <b>\$0.14227</b> |
| High Voltage Discount 1 for 4-13.8 kV                      | 2.0%             | High Voltage Discount 1 for 4-13.8 kV                     | 2.0%             |
| High Voltage Discount 2 for 34.5 kV                        | 3.5%             | High Voltage Discount 2 for 34.5 kV                       | 3.5%             |
| Transformer Ownership Credit \$/kVA                        | \$0.50           | Transformer Ownership Credit \$/kVA                       | \$0.50           |

| Unitil Energy Systems, Inc.<br>Typical Bill Impacts as a Result of Proposed Rates<br>Impact on G1 Rate Customers |             |                     |             |                       |                              |   |  |                  |                    |
|--|-------------|---------------------|-------------|-----------------------|------------------------------|---|--|------------------|--------------------|
| Customer   | Load Factor | Average Monthly kVA | Average kWh | Voltage Discount Tier | Transformer Ownership Credit | Total Bill Using Rates Effective 6/1/22 | Total Bill Using Rates Proposed 7/1/22 | Total Difference | % Total Difference |
| 113  | 51.3%       | 264                 | 99,073      | 2                     | Yes                          | \$15,649.71                             | \$15,698.18                            | \$48.46          | 0.3%               |
| 114  | 30.6%       | 339                 | 75,583      |                       |                              | \$13,688.62                             | \$13,752.96                            | \$64.34          | 0.5%               |
| 115  | 61.0%       | 677                 | 301,440     |                       |                              | \$48,592.88                             | \$48,721.52                            | \$128.63         | 0.3%               |
| 116  | 74.4%       | 405                 | 219,800     |                       |                              | \$34,746.73                             | \$34,823.60                            | \$76.87          | 0.2%               |
| 117  | 61.5%       | 217                 | 97,536      |                       |                              | \$15,817.84                             | \$15,859.11                            | \$41.28          | 0.3%               |
| 118  | 28.4%       | 352                 | 73,100      |                       |                              | \$13,447.45                             | \$13,514.39                            | \$66.94          | 0.5%               |
| 119  | 48.2%       | 453                 | 159,340     |                       |                              | \$26,543.19                             | \$26,629.30                            | \$86.11          | 0.3%               |
| 120  | 43.9%       | 346                 | 110,840     |                       |                              | \$18,766.76                             | \$18,832.54                            | \$65.78          | 0.4%               |
| 121  | 51.2%       | 684                 | 255,424     | 2                     |                              | \$40,559.82                             | \$40,685.24                            | \$125.42         | 0.3%               |
| 122  | 40.9%       | 249                 | 74,387      |                       |                              | \$12,786.73                             | \$12,834.10                            | \$47.36          | 0.4%               |
| 123  | 20.1%       | 236                 | 34,573      |                       |                              | \$7,010.56                              | \$7,055.33                             | \$44.77          | 0.6%               |
| 124  | 9.8%        | 606                 | 43,345      | 2                     | Yes                          | \$10,533.16                             | \$10,644.24                            | \$111.08         | 1.1%               |
| 125  | 18.9%       | 312                 | 43,030      |                       |                              | \$8,836.74                              | \$8,895.96                             | \$59.22          | 0.7%               |
| 126  | 60.0%       | 639                 | 279,650     |                       |                              | \$45,178.12                             | \$45,299.45                            | \$121.33         | 0.3%               |
| 127  | 52.4%       | 2,025               | 774,292     | 2                     | Yes                          | \$121,415.10                            | \$121,786.34                           | \$371.24         | 0.3%               |
| 128  | 61.2%       | 2,222               | 991,779     | 2                     | Yes                          | \$152,735.30                            | \$153,142.65                           | \$407.35         | 0.3%               |
| 129  | 42.8%       | 137                 | 42,708      |                       |                              | \$7,357.94                              | \$7,383.91                             | \$25.97          | 0.4%               |
| 130  | 48.5%       | 206                 | 72,800      |                       |                              | \$12,203.57                             | \$12,242.64                            | \$39.07          | 0.3%               |
| 131  | 27.1%       | 308                 | 60,960      |                       |                              | \$11,356.32                             | \$11,414.81                            | \$58.49          | 0.5%               |
| 132  | 32.2%       | 174                 | 41,024      |                       |                              | \$7,427.07                              | \$7,460.21                             | \$33.14          | 0.4%               |
| 133  | 48.5%       | 1,145               | 405,120     |                       |                              | \$67,179.09                             | \$67,396.71                            | \$217.62         | 0.3%               |
| 134  | 16.0%       | 249                 | 29,000      |                       |                              | \$6,324.86                              | \$6,372.12                             | \$47.25          | 0.7%               |
| 135  | 48.6%       | 431                 | 152,940     |                       |                              | \$25,453.51                             | \$25,535.46                            | \$81.95          | 0.3%               |
| 136  | 31.7%       | 483                 | 111,872     |                       |                              | \$20,036.37                             | \$20,128.19                            | \$91.83          | 0.5%               |
| 137  | 44.2%       | 242                 | 78,120      |                       |                              | \$13,260.41                             | \$13,306.44                            | \$46.03          | 0.3%               |
| 138  | 61.1%       | 543                 | 242,600     |                       |                              | \$39,127.94                             | \$39,231.20                            | \$103.26         | 0.3%               |
| 139  | 48.8%       | 941                 | 335,067     |                       |                              | \$55,540.54                             | \$55,719.37                            | \$178.83         | 0.3%               |
| 140  | 80.1%       | 152                 | 89,145      |                       |                              | \$14,093.61                             | \$14,122.58                            | \$28.97          | 0.2%               |
| 141  | 54.2%       | 427                 | 168,907     |                       |                              | \$27,688.43                             | \$27,769.53                            | \$81.10          | 0.3%               |
| 142  | 36.7%       | 319                 | 85,493      |                       |                              | \$14,936.56                             | \$14,997.14                            | \$60.58          | 0.4%               |
| 143  | 26.8%       | 637                 | 124,693     |                       |                              | \$23,121.11                             | \$23,242.18                            | \$121.07         | 0.5%               |
| 144  | 55.0%       | 424                 | 170,000     |                       |                              | \$27,818.46                             | \$27,898.97                            | \$80.51          | 0.3%               |
| 145  | 45.1%       | 355                 | 116,783     |                       |                              | \$19,684.33                             | \$19,751.78                            | \$67.45          | 0.3%               |
| 146  | 25.7%       | 401                 | 75,167      |                       |                              | \$14,142.52                             | \$14,218.76                            | \$76.24          | 0.5%               |
| 147  | 58.8%       | 477                 | 204,500     |                       |                              | \$33,159.82                             | \$33,250.37                            | \$90.56          | 0.3%               |
| 148  | 27.0%       | 849                 | 167,400     |                       |                              | \$30,930.94                             | \$31,092.24                            | \$161.30         | 0.5%               |
| 149  | 70.7%       | 1,008               | 519,800     |                       |                              | \$82,366.37                             | \$82,557.81                            | \$191.44         | 0.2%               |
| 150  | 55.6%       | 457                 | 185,400     |                       |                              | \$30,280.37                             | \$30,367.16                            | \$86.80          | 0.3%               |
| 151  | 42.1%       | 144                 | 44,240      |                       |                              | \$7,635.09                              | \$7,662.44                             | \$27.35          | 0.4%               |
| 152  | 6.3%        | 310                 | 14,317      |                       |                              | \$4,741.32                              | \$4,800.30                             | \$58.98          | 1.2%               |
| 153  | 61.1%       | 885                 | 394,833     |                       |                              | \$63,587.30                             | \$63,755.54                            | \$168.24         | 0.3%               |
| 154  | 51.7%       | 511                 | 192,725     |                       |                              | \$31,763.53                             | \$31,860.55                            | \$97.03          | 0.3%               |
| 155  | 45.8%       | 562                 | 187,767     |                       |                              | \$31,476.75                             | \$31,583.49                            | \$106.74         | 0.3%               |
| 156  | 26.2%       | 318                 | 60,750      |                       |                              | \$11,406.02                             | \$11,466.36                            | \$60.34          | 0.5%               |
| 157  | 48.6%       | 610                 | 216,075     |                       |                              | \$35,895.11                             | \$36,010.92                            | \$115.81         | 0.3%               |
| 158  | 10.9%       | 492                 | 39,030      |                       |                              | \$9,745.41                              | \$9,838.92                             | \$93.50          | 1.0%               |
| 159  | 68.6%       | 1,016               | 508,947     | 2                     | Yes                          | \$77,503.37                             | \$77,689.74                            | \$186.37         | 0.2%               |
| 160  | 36.0%       | 78                  | 20,350      |                       |                              | \$3,692.17                              | \$3,706.89                             | \$14.73          | 0.4%               |
| 161  | 3.4%        | 3,066               | 75,994      | 2                     |                              | \$34,750.94                             | \$35,313.08                            | \$562.14         | 1.6%               |
| 162  | 3.9%        | 255                 | 7,292       |                       |                              | \$3,288.02                              | \$3,336.47                             | \$48.45          | 1.5%               |
| 163  | 58.2%       | 225                 | 95,529      |                       |                              | \$15,595.08                             | \$15,637.81                            | \$42.73          | 0.3%               |
| 164  | 58.8%       | 295                 | 126,875     |                       |                              | \$20,632.42                             | \$20,688.56                            | \$56.14          | 0.3%               |
| 165  | 42.2%       | 181                 | 55,800      |                       |                              | \$9,582.69                              | \$9,617.07                             | \$34.38          | 0.4%               |
| 166  | 2.3%        | 745                 | 12,588      | 1                     | Yes                          | \$7,453.06                              | \$7,591.70                             | \$138.64         | 1.9%               |
| 167  | 34.5%       | 381                 | 95,900      |                       |                              | \$16,924.83                             | \$16,997.19                            | \$72.36          | 0.4%               |

  

| Unitil Energy Systems, Inc.<br>Rates - Effective 6/1/2022: |                  | Unitil Energy Systems, Inc.<br>Rates - Proposed 7/1/2022: |                  |
|--|------------------|---|------------------|
| Customer Charge - Secondary                                | \$162.18         | Customer Charge - Secondary                               | \$162.18         |
| Customer Charge - Primary                                  | \$86.49          | Customer Charge - Primary                                 | \$86.49          |
|  | <u>All kVA</u>   |   | <u>All kVA</u>   |
| Distribution Charge  | \$8.19           | Distribution Charge                                       | \$8.38           |
| Stranded Cost Charge                                       | \$0.00           | Stranded Cost Charge                                      | \$0.00           |
| <b>TOTAL</b>   | <b>\$8.19</b>    | <b>TOTAL</b>  | <b>\$8.38</b>    |
|  | <u>All kWh</u>   |   | <u>All kWh</u>   |
| Distribution Charge  | \$0.00000        | Distribution Charge                                       | \$0.00000        |
| External Delivery Charge                                   | \$0.02978        | External Delivery Charge                                  | \$0.02978        |
| Stranded Cost Charge                                       | (\$0.00002)      | Stranded Cost Charge                                      | (\$0.00002)      |
| System Benefits Charge                                     | \$0.00681        | System Benefits Charge                                    | \$0.00681        |
| Storm Recovery Adjustment Factor                           | \$0.00000        | Storm Recovery Adjustment Factor                          | \$0.00000        |
| May 22 Default Service Charge                              | \$0.10570        | May 22 Default Service Charge                             | \$0.10570        |
| <b>TOTAL</b>   | <b>\$0.14227</b> | <b>TOTAL</b>  | <b>\$0.14227</b> |
| High Voltage Discount 1 for 4-13.8 kV                      | 2.0%             | High Voltage Discount 1 for 4-13.8 kV                     | 2.0%             |
| High Voltage Discount 2 for 34.5 kV                        | 3.5%             | High Voltage Discount 2 for 34.5 kV                       | 3.5%             |
| Transformer Ownership Credit \$/kVA                        | \$0.50           | Transformer Ownership Credit \$/kVA                       | \$0.50           |

**Unitil Energy Systems, Inc.**  
**Typical Bill Impacts as a Result of Proposed Rates**  
**Impact on Tariffed OL Rate Customers**

|                              | Nominal Watts | Lumens  | Type | Current Average Monthly kWh | Percentage of Lights | Total Bill Using Rates Effective 6/1/22 | Total Bill Using Rates Proposed 7/1/22 | Total Difference | % Total Difference |
|------------------------------|---------------|---------|------|-----------------------------|----------------------|---|--|------------------|--------------------|
| <u>Mercury Vapor:</u>        |               |         |      |                             |                      |   |  |                  |                    |
| 1                            | 100           | 3,500   | ST   | 43                          | 14.2%                | \$19.33                                 | \$19.33                                | \$0.00           | 0.0%               |
| 2                            | 175           | 7,000   | ST   | 71                          | 0.8%                 | \$24.98                                 | \$24.98                                | \$0.00           | 0.0%               |
| 3                            | 250           | 11,000  | ST   | 100                         | 0.8%                 | \$30.28                                 | \$30.28                                | \$0.00           | 0.0%               |
| 4                            | 400           | 20,000  | ST   | 157                         | 1.3%                 | \$37.70                                 | \$37.70                                | \$0.00           | 0.0%               |
| 5                            | 1,000         | 60,000  | ST   | 372                         | 0.0%                 | \$73.24                                 | \$73.24                                | \$0.00           | 0.0%               |
| 6                            | 250           | 11,000  | FL   | 100                         | 0.7%                 | \$31.28                                 | \$31.28                                | \$0.00           | 0.0%               |
| 7                            | 400           | 20,000  | FL   | 157                         | 0.9%                 | \$42.02                                 | \$42.02                                | \$0.00           | 0.0%               |
| 8                            | 1,000         | 60,000  | FL   | 380                         | 0.1%                 | \$74.79                                 | \$74.79                                | \$0.00           | 0.0%               |
| 9                            | 100           | 3,500   | PB   | 48                          | 4.0%                 | \$19.69                                 | \$19.69                                | \$0.00           | 0.0%               |
| 10                           | 175           | 7,000   | PB   | 71                          | 0.6%                 | \$23.90                                 | \$23.90                                | \$0.00           | 0.0%               |
| <u>High Pressure Sodium:</u> |               |         |      |                             |                      |   |  |                  |                    |
| 11                           | 50            | 4,000   | ST   | 23                          | 36.7%                | \$16.73                                 | \$16.73                                | \$0.00           | 0.0%               |
| 12                           | 100           | 9,500   | ST   | 48                          | 1.3%                 | \$21.98                                 | \$21.98                                | \$0.00           | 0.0%               |
| 13                           | 150           | 16,000  | ST   | 65                          | 4.0%                 | \$25.72                                 | \$25.72                                | \$0.00           | 0.0%               |
| 14                           | 250           | 30,000  | ST   | 102                         | 13.2%                | \$32.82                                 | \$32.82                                | \$0.00           | 0.0%               |
| 15                           | 400           | 50,000  | ST   | 161                         | 2.8%                 | \$45.75                                 | \$45.75                                | \$0.00           | 0.0%               |
| 16                           | 1,000         | 140,000 | ST   | 380                         | 1.6%                 | \$92.01                                 | \$92.01                                | \$0.00           | 0.0%               |
| 17                           | 150           | 16,000  | FL   | 65                          | 2.7%                 | \$26.72                                 | \$26.72                                | \$0.00           | 0.0%               |
| 18                           | 250           | 30,000  | FL   | 102                         | 3.9%                 | \$34.86                                 | \$34.86                                | \$0.00           | 0.0%               |
| 19                           | 400           | 50,000  | FL   | 161                         | 5.0%                 | \$46.26                                 | \$46.26                                | \$0.00           | 0.0%               |
| 20                           | 1,000         | 140,000 | FL   | 380                         | 2.5%                 | \$92.39                                 | \$92.39                                | \$0.00           | 0.0%               |
| 21                           | 50            | 4,000   | PB   | 23                          | 1.4%                 | \$16.44                                 | \$16.44                                | \$0.00           | 0.0%               |
| 22                           | 100           | 9,500   | PB   | 48                          | 0.9%                 | \$20.90                                 | \$20.90                                | \$0.00           | 0.0%               |
| <u>Metal Halide</u>          |               |         |      |                             |                      |   |  |                  |                    |
| 23                           | 175           | 8,800   | ST   | 74                          | 0.0%                 | \$26.89                                 | \$26.89                                | \$0.00           | 0.0%               |
| 24                           | 1,000         | 86,000  | FL   | 374                         | 0.5%                 | \$74.01                                 | \$74.01                                | \$0.00           | 0.0%               |
| <u>LED</u>                   |               |         |      |                             |                      |   |  |                  |                    |
| 25                           | 35            | 3,000   | AL   | 12                          | 0.0%                 | \$15.00                                 | \$15.00                                | \$0.00           | 0.0%               |
| 26                           | 47            | 4,000   | AL   | 16                          | 0.0%                 | \$16.73                                 | \$16.73                                | \$0.00           | 0.0%               |
| 27                           | 30            | 3,300   | ST   | 10                          | 0.0%                 | \$15.03                                 | \$15.03                                | \$0.00           | 0.0%               |
| 28                           | 50            | 5,000   | ST   | 17                          | 0.0%                 | \$17.94                                 | \$17.94                                | \$0.00           | 0.0%               |
| 29                           | 100           | 11,000  | ST   | 35                          | 0.0%                 | \$21.81                                 | \$21.81                                | \$0.00           | 0.0%               |
| 30                           | 120           | 18,000  | ST   | 42                          | 0.0%                 | \$25.00                                 | \$25.00                                | \$0.00           | 0.0%               |
| 31                           | 140           | 18,000  | ST   | 48                          | 0.0%                 | \$31.03                                 | \$31.03                                | \$0.00           | 0.0%               |
| 32                           | 260           | 31,000  | ST   | 90                          | 0.0%                 | \$54.23                                 | \$54.23                                | \$0.00           | 0.0%               |
| 33                           | 70            | 10,000  | FL   | 24                          | 0.0%                 | \$21.38                                 | \$21.38                                | \$0.00           | 0.0%               |
| 34                           | 90            | 10,000  | FL   | 31                          | 0.0%                 | \$25.61                                 | \$25.61                                | \$0.00           | 0.0%               |
| 35                           | 110           | 15,000  | FL   | 38                          | 0.0%                 | \$30.24                                 | \$30.24                                | \$0.00           | 0.0%               |
| 36                           | 370           | 46,000  | FL   | 128                         | 0.0%                 | \$59.56                                 | \$59.56                                | \$0.00           | 0.0%               |

| Unitil Energy Systems, Inc.<br>Rates - Effective 6/1/2022: |                  |  | Unitil Energy Systems, Inc.<br>Rates - Proposed 7/1/2022: |                  |  |
|--|------------------|--|---|------------------|--|
| Customer Charge  | \$0.00           |  | Customer Charge   | \$0.00           |  |
|  | <u>All kWh</u>   |  |   | <u>All kWh</u>   |  |
| Distribution Charge  | \$0.00000        |  | Distribution Charge                                       | \$0.00000        |  |
| External Delivery Charge                                   | \$0.02978        |  | External Delivery Charge                                  | \$0.02978        |  |
| Stranded Cost Charge                                       | (\$0.00002)      |  | Stranded Cost Charge                                      | (\$0.00002)      |  |
| System Benefits Charge                                     | \$0.00681        |  | System Benefits Charge                                    | \$0.00681        |  |
| Storm Recovery Adjustment Factor                           | \$0.00000        |  | Storm Recovery Adjustment Factor                          | \$0.00000        |  |
| Fixed Default Service Charge                               | <u>\$0.09370</u> |  | Fixed Default Service Charge                              | <u>\$0.09370</u> |  |
| <b>TOTAL</b>   | <b>\$0.13027</b> |  | <b>TOTAL</b>  | <b>\$0.13027</b> |  |

| <u>Luminaire Charges:</u> |                        |                       |                       |              |         | <u>Luminaire Charges:</u> |                       |                       |              |    |                        |                       |                       |              |
|---------------------------|------------------------|-----------------------|-----------------------|--------------|---------|---------------------------|-----------------------|-----------------------|--------------|----|------------------------|-----------------------|-----------------------|--------------|
|                           | Mercury Vapor Rate/Mo. | Sodium Vapor Rate/Mo. | Metal Halide Rate/Mo. | LED Rate/Mo. |         | Mercury Vapor Rate/Mo.    | Sodium Vapor Rate/Mo. | Metal Halide Rate/Mo. | LED Rate/Mo. |    | Mercury Vapor Rate/Mo. | Sodium Vapor Rate/Mo. | Metal Halide Rate/Mo. | LED Rate/Mo. |
| 1                         | \$13.73                | 11                    | \$13.73               | 25           | \$13.44 | 1                         | \$13.73               | 11                    | \$13.73      | 25 | \$13.44                |                       |                       |              |
| 2                         | \$15.73                | 12                    | \$15.73               | 26           | \$14.65 | 2                         | \$15.73               | 12                    | \$15.73      | 26 | \$14.65                |                       |                       |              |
| 3                         | \$17.25                | 13                    | \$17.25               | 27           | \$13.73 | 3                         | \$17.25               | 13                    | \$17.25      | 27 | \$13.73                |                       |                       |              |
| 4                         | \$17.25                | 14                    | \$19.53               | 28           | \$15.73 | 4                         | \$17.25               | 14                    | \$19.53      | 28 | \$15.73                |                       |                       |              |
| 5                         | \$24.78                | 15                    | \$24.78               | 29           | \$17.25 | 5                         | \$24.78               | 15                    | \$24.78      | 29 | \$17.25                |                       |                       |              |
| 6                         | \$18.25                | 16                    | \$42.51               | 30           | \$19.53 | 6                         | \$18.25               | 16                    | \$42.51      | 30 | \$19.53                |                       |                       |              |
| 7                         | \$21.57                | 17                    | \$18.25               | 31           | \$24.78 | 7                         | \$21.57               | 17                    | \$18.25      | 31 | \$24.78                |                       |                       |              |
| 8                         | \$25.29                | 18                    | \$21.57               | 32           | \$42.51 | 8                         | \$25.29               | 18                    | \$21.57      | 32 | \$42.51                |                       |                       |              |
| 9                         | \$13.44                | 19                    | \$25.29               | 33           | \$18.25 | 9                         | \$13.44               | 19                    | \$25.29      | 33 | \$18.25                |                       |                       |              |
| 10                        | \$14.65                | 20                    | \$42.89               | 34           | \$21.57 | 10                        | \$14.65               | 20                    | \$42.89      | 34 | \$21.57                |                       |                       |              |
|                           |                        | 21                    | \$13.44               | 35           | \$25.29 |                           |                       | 21                    | \$13.44      | 35 | \$25.29                |                       |                       |              |
|                           |                        | 22                    | \$14.65               | 36           | \$42.89 |                           |                       | 22                    | \$14.65      | 36 | \$42.89                |                       |                       |              |



| Unitil Energy Systems, Inc.<br>Typical Bill Impacts as a Result of Proposed Rates<br>Impact on Tariffed Customer Supplied LED Rate Customers |                  |        |      |                                   |                         |   |  |                     |                          |
|--|------------------|--------|------|-----------------------------------|-------------------------|---|--|---------------------|--------------------------|
|  | Nominal<br>Watts | Lumens | Type | Current<br>Average<br>Monthly kWh | Percentage<br>of Lights | Total Bill<br>Using Rates<br>Effective 6/1/22 | Total Bill<br>Using Rates<br>Proposed 7/1/22 | Total<br>Difference | %<br>Total<br>Difference |
|  | <u>CS LED</u>    |        |      |                                   |                         |   |  |                     |                          |
| 1  | 35               | 3,000  | AL   | 12                                | 0.0%                    | \$8.56  | \$8.56                                       | \$0.00              | 0.0%                     |
| 2  | 47               | 4,000  | AL   | 16                                | 0.0%                    | \$10.29                                       | \$10.29                                      | \$0.00              | 0.0%                     |
| 3  | 30               | 3,300  | ST   | 10                                | 0.0%                    | \$11.01                                       | \$11.01                                      | \$0.00              | 0.0%                     |
| 4  | 50               | 5,000  | ST   | 17                                | 0.0%                    | \$14.13                                       | \$14.13                                      | \$0.00              | 0.0%                     |
| 5  | 100              | 11,000 | ST   | 35                                | 0.0%                    | \$17.04                                       | \$17.04                                      | \$0.00              | 0.0%                     |
| 6  | 120              | 18,000 | ST   | 42                                | 0.0%                    | \$20.23                                       | \$20.23                                      | \$0.00              | 0.0%                     |
| 7  | 140              | 18,000 | ST   | 48                                | 0.0%                    | \$24.08                                       | \$24.08                                      | \$0.00              | 0.0%                     |
| 8  | 260              | 31,000 | ST   | 90                                | 0.0%                    | \$45.28                                       | \$45.28                                      | \$0.00              | 0.0%                     |
| 9  | 70               | 10,000 | FL   | 24                                | 0.0%                    | \$14.37                                       | \$14.37                                      | \$0.00              | 0.0%                     |
| 10   | 90               | 10,000 | FL   | 31                                | 0.0%                    | \$18.60                                       | \$18.60                                      | \$0.00              | 0.0%                     |
| 11   | 110              | 15,000 | FL   | 38                                | 0.0%                    | \$22.31                                       | \$22.31                                      | \$0.00              | 0.0%                     |
| 12   | 370              | 46,000 | FL   | 128                               | 0.0%                    | \$43.67                                       | \$43.67                                      | \$0.00              | 0.0%                     |

  

| Unitil Energy Systems, Inc.<br>Rates - Effective 6/1/2022: |                  | Unitil Energy Systems, Inc.<br>Rates - Proposed 7/1/2022: |                  |
|--|------------------|---|------------------|
| Customer Charge  | \$0.00           | Customer Charge   | \$0.00           |
|  | <u>All kWh</u>   |   | <u>All kWh</u>   |
| Distribution Charge  | \$0.00000        | Distribution Charge                                       | \$0.00000        |
| External Delivery Charge                                   | \$0.02978        | External Delivery Charge                                  | \$0.02978        |
| Stranded Cost Charge                                       | (\$0.00002)      | Stranded Cost Charge                                      | (\$0.00002)      |
| System Benefits Charge                                     | \$0.00681        | System Benefits Charge                                    | \$0.00681        |
| Storm Recovery Adjustment Factor                           | \$0.00000        | Storm Recovery Adjustment Factor                          | \$0.00000        |
| Fixed Default Service Charge                               | <u>\$0.09370</u> | Fixed Default Service Charge                              | <u>\$0.09370</u> |
| <b>TOTAL</b>   | <b>\$0.13027</b> | <b>TOTAL</b>  | <b>\$0.13027</b> |

  

| <u>Luminaire Charges:</u> |                        | <u>Luminaire Charges:</u> |                        |
|---------------------------|------------------------|---------------------------|------------------------|
|                           | <u>CS LED Rate/Mo.</u> |                           | <u>CS LED Rate/Mo.</u> |
| 1                         | \$7.00                 | 1                         | \$7.00                 |
| 2                         | \$8.21                 | 2                         | \$8.21                 |
| 3                         | \$9.71                 | 3                         | \$9.71                 |
| 4                         | \$11.92                | 4                         | \$11.92                |
| 5                         | \$12.48                | 5                         | \$12.48                |
| 6                         | \$14.76                | 6                         | \$14.76                |
| 7                         | \$17.83                | 7                         | \$17.83                |
| 8                         | \$33.56                | 8                         | \$33.56                |
| 9                         | \$11.24                | 9                         | \$11.24                |
| 10                        | \$14.56                | 10                        | \$14.56                |
| 11                        | \$17.36                | 11                        | \$17.36                |
| 12                        | \$27.00                | 12                        | \$27.00                |