

Exhibit 5. Incremental Costs for Dual-Fuel Capability and Firm Transportation

Combined Cycle - 2x1 GE 7FA

| Location | Base | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | |
|---|-----------|------------|----------------|------------|---------------|------------|-----------|----------------|---------------|-------------|---------------------|------------------|-----------------|-------------|-------------------|--------|
| PPA | PJM | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | |
| Location Name | | Middletown | Norwalk Harbor | Canal | Brayton Point | Yarmouth | Merrimack | Vermont Yankee | NYC | Long Island | Lower Hudson Valley | Capital District | Upper Peninsula | Twin Cities | Southern Illinois | |
| Area/Zone | | CT | CT | SEMA | SEMA | ME | NH | VT | J | K | GHI | F | North | North | Central | |
| State | OH | CT | CT | MA | MA | ME | NH | VT | NY | NY | NY | NY | MI | MN | IL | |
| County | | Middlesex | Fairfield | Barnstable | Bristol | Cumberland | Merrimack | Windham | Queens | Suffolk | Orange | Albany | Marquette | Ramsey | Jackson | |
| City/Town | Cleveland | Middletown | Norwalk | Sandwich | Somerset | Yarmouth | Bow | Vernon | NYC (Astoria) | Yaphank | Newburgh | Albany | Marquette | St. Paul | Carbondale | |
| Elevation above sea level (feet) | 1,070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Summer temperature (for ICAP, F) | 89.5 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | |
| Winter temperature (for ULSD burn and MDQ, F) | 0.0 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | |
| Adjusted Performance Data | | | | | | | | | | | | | | | | |
| Summer Installed Capacity (w/duct burners, MW) | 651 | 620 | 620 | 620 | 620 | 620 | 620 | 620 | 620 | 620 | 620 | 620 | 620 | 620 | 620 | 620 |
| Winter Output on NG (w/o duct burners, MW) | | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 |
| Winter Heat Rate on NG (w/o duct burners, Btu/kWh) | | 6,575 | 6,575 | 6,575 | 6,575 | 6,575 | 6,575 | 6,575 | 6,575 | 6,575 | 6,575 | 6,575 | 6,575 | 6,575 | 6,575 | 6,575 |
| Winter Burn Rate on NG (MMBtu/h) | | 4,392 | 4,392 | 4,392 | 4,392 | 4,392 | 4,392 | 4,392 | 4,392 | 4,392 | 4,392 | 4,392 | 4,392 | 4,392 | 4,392 | 4,392 |
| Winter Output on ULSD (w/o duct burners, MW) | | 652 | 652 | 652 | 652 | 652 | 652 | 652 | 652 | 652 | 652 | 652 | 652 | 652 | 652 | 652 |
| Winter Heat Rate on ULSD (w/o duct burners, Btu/kWh) | | 6,968 | 6,968 | 6,968 | 6,968 | 6,968 | 6,968 | 6,968 | 6,968 | 6,968 | 6,968 | 6,968 | 6,968 | 6,968 | 6,968 | 6,968 |
| Winter Burn Rate on ULSD (MMBtu/h) | | 4,540 | 4,540 | 4,540 | 4,540 | 4,540 | 4,540 | 4,540 | 4,540 | 4,540 | 4,540 | 4,540 | 4,540 | 4,540 | 4,540 | 4,540 |
| Test output on ULSD (w/o duct burners, MW) | 578 | 652 | 652 | 652 | 652 | 652 | 652 | 652 | 652 | 652 | 652 | 652 | 652 | 652 | 652 | 652 |
| Test heat rate on ULSD (w/o duct burners, Btu/kWh) | 6,791 | 6,957 | 6,957 | 6,957 | 6,957 | 6,957 | 6,957 | 6,957 | 6,957 | 6,957 | 6,957 | 6,957 | 6,957 | 6,957 | 6,957 | 6,957 |
| ULSD test burn rate (MMBtu/h) | 3,925 | 4,536 | 4,536 | 4,536 | 4,536 | 4,536 | 4,536 | 4,536 | 4,536 | 4,536 | 4,536 | 4,536 | 4,536 | 4,536 | 4,536 | 4,536 |
| Water injection rate on ULSD (gal/h) | 42,000 | 42,000 | 42,000 | 42,000 | 42,000 | 42,000 | 42,000 | 42,000 | 42,000 | 42,000 | 42,000 | 42,000 | 42,000 | 42,000 | 42,000 | 42,000 |
| NOx emission rate on natural gas (lb/MWh) | | 0.049 | 0.049 | 0.049 | 0.049 | 0.049 | 0.049 | 0.049 | 0.049 | 0.049 | 0.049 | 0.049 | 0.049 | 0.049 | 0.049 | 0.049 |
| NOx emission rate on ULSD (lb/MWh) | | 0.162 | 0.162 | 0.162 | 0.162 | 0.162 | 0.162 | 0.162 | 0.162 | 0.162 | 0.162 | 0.162 | 0.162 | 0.162 | 0.162 | 0.162 |
| Labor cost multiplier (v. Cleveland) | 1.000 | 1.139 | 1.139 | 1.265 | 1.265 | 0.852 | 0.957 | 0.841 | 1.558 | 1.511 | 1.300 | 0.991 | 1.142 | 1.138 | 0.931 | |
| Land cost (2018 \$/acre) | \$38,100 | \$50,000 | \$50,000 | \$50,000 | \$50,000 | \$25,000 | \$50,000 | \$25,000 | \$850,000 | \$75,000 | \$75,000 | \$50,000 | \$15,000 | \$50,000 | \$25,000 | |
| Sales tax rate | 6.00% | 6.35% | 6.35% | 6.25% | 6.25% | 5.50% | 0.00% | 6.00% | 8.88% | 8.63% | 8.13% | 8.00% | 6.00% | 7.63% | 8.50% | |
| ULSD Storage Capacity (days of full load) | 3 | 4.6 | 7.0 | 7.0 | 7.0 | 8.0 | 2.9 | 4.8 | 6.1 | 2.9 | 7.0 | 3.3 | 3.3 | 1.9 | 1.9 | |
| Capacity in gallons | 2,040,683 | 3,652,274 | 5,525,378 | 5,525,378 | 5,525,378 | 6,274,619 | 2,247,724 | 3,746,207 | 4,776,136 | 2,247,724 | 5,488,027 | 2,622,345 | 2,622,345 | 1,498,483 | 1,498,483 | |
| Demin Water Storage Capacity (days at full load on ULSD) | 2 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | |
| Capacity in gallons | 2,016,000 | 2,016,000 | 2,016,000 | 2,016,000 | 2,016,000 | 2,016,000 | 2,016,000 | 2,016,000 | 2,016,000 | 2,016,000 | 2,016,000 | 2,016,000 | 2,016,000 | 2,016,000 | 2,016,000 | |
| Average Days of inventory on ULSD | 3 | 3.3 | 5.7 | 5.7 | 5.7 | 6.7 | 2.9 | 4.8 | 4.8 | 2.9 | 6.2 | 3.3 | 3.3 | 1.9 | 1.9 | |
| Inventory in gallons | 2,040,683 | 2,622,345 | 4,495,448 | 4,495,448 | 4,495,448 | 5,244,690 | 2,247,724 | 3,746,207 | 3,746,207 | 2,247,724 | 4,870,069 | 2,622,345 | 2,622,345 | 1,498,483 | 1,498,483 | |
| ULSD Price (2018 \$/MMBtu) | \$18.00 | \$21.885 | \$21.728 | \$21.885 | \$21.885 | \$22.002 | \$22.576 | \$23.245 | \$21.416 | \$22.119 | \$21.807 | \$22.178 | \$23.245 | \$22.569 | \$22.244 | |
| Test energy revenue (2018 \$/MWh) | \$38.70 | \$40.840 | \$40.840 | \$40.690 | \$40.690 | \$40.530 | \$40.690 | \$40.690 | \$46.440 | \$55.500 | \$45.400 | \$43.940 | \$42.940 | \$42.080 | \$40.520 | |
| Effective Real Property Tax Rate | 2.0% | 4.0 | 2.00% | 2.00% | 2.00% | 1.80% | 2.00% | 2.20% | 5.00% | 4.00% | 4.00% | 4.00% | 3.00% | 3.50% | 2.80% | |
| Effective Personal Property Tax Rate | 1.3% | 41 | 0.60% | 0.60% | 0.30% | 0.30% | 1.10% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 1.00% | 0.00% | 0.00% | |
| Firm Transportation Rate (Level for 2018 \$/mo per Dth/d) | 19 | \$54.69 | \$30.40 | \$56.71 | \$54.69 | \$72.37 | \$37.96 | \$37.96 | \$38.50 | \$62.63 | \$19.12 | \$6.31 | \$14.39 | \$14.39 | \$9.67 | |
| Avoided IT Rate (Level for 2018 \$/mo per Dth/d) | 22 | \$6.03 | \$9.49 | \$7.00 | \$6.62 | \$26.97 | \$6.05 | \$5.20 | \$10.24 | \$10.96 | \$8.23 | \$3.51 | \$13.08 | \$13.08 | \$6.45 | |
| Weighted Cost of Capital | 34 | 8.06% | 8.05% | 8.03% | 8.03% | 8.01% | 8.02% | 8.02% | 7.78% | 8.02% | 8.02% | 8.06% | 8.09% | 7.98% | 7.99% | |
| Inventory Carrying Charge (level current \$) | 35 | 15.41% | 15.47% | 15.53% | 15.53% | 15.64% | 15.59% | 15.59% | 16.73% | 15.56% | 15.56% | 15.42% | 15.30% | 15.75% | 15.71% | |
| Combined Cycle Plant Charge Rate (level current \$) | 36 | 13.55% | 13.57% | 13.60% | 13.60% | 13.66% | 13.63% | 13.63% | 14.19% | 13.62% | 13.62% | 13.55% | 13.49% | 13.71% | 13.69% | |
| NOx Emission Reduction Credit Multiplier | 43 | 1.15 | 1.15 | 1.26 | 1.26 | 1.15 | 1.15 | 1.15 | 1.15 | 1.15 | 1.15 | 1.15 | 0.00 | 0.00 | 0.00 | |
| Nominal ERC Price (2018 \$ per ton/yr PTE) | 44 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | |

Combined Cycle - 2x1 GE 7FA

| Location | Base | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| <i>Nominal Capital \$MM for 2018 CO</i> | | | | | | | | | | | | | | | |
| Gas Turbine Scope | \$4.700 | \$4.700 | \$4.700 | \$4.700 | \$4.700 | \$4.700 | \$4.700 | \$4.700 | \$4.700 | \$4.700 | \$4.700 | \$4.700 | \$4.700 | \$4.700 | \$4.700 |
| Other major equipment | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 |
| Other construction labor | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 |
| Liquid Fuel, Demin water handling (Mat'l) | \$0.900 | \$0.900 | \$0.900 | \$0.900 | \$0.900 | \$0.900 | \$0.900 | \$0.900 | \$0.900 | \$0.900 | \$0.900 | \$0.900 | \$0.900 | \$0.900 | \$0.900 |
| Liquid Fuel, Demin water handling (Labor) | \$0.900 | \$1.025 | \$1.025 | \$1.139 | \$1.139 | \$0.767 | \$0.861 | \$0.757 | \$1.402 | \$1.360 | \$1.170 | \$0.891 | \$1.028 | \$1.024 | \$0.838 |
| Liquid fuel storage tank (Mat'l) | \$0.827 | \$1.325 | \$1.904 | \$1.904 | \$1.904 | \$2.135 | \$0.891 | \$1.354 | \$1.672 | \$0.891 | \$1.892 | \$1.007 | \$1.007 | \$0.659 | \$0.659 |
| Liquid fuel storage tank (Labor) | \$0.556 | \$1.016 | \$1.459 | \$1.621 | \$1.621 | \$1.224 | \$0.574 | \$0.766 | \$1.753 | \$0.906 | \$1.655 | \$0.671 | \$0.773 | \$0.505 | \$0.413 |
| Demin water storage tank (Mat'l) | \$0.498 | \$0.498 | \$0.498 | \$0.498 | \$0.498 | \$0.498 | \$0.498 | \$0.498 | \$0.498 | \$0.498 | \$0.498 | \$0.498 | \$0.498 | \$0.498 | \$0.498 |
| Demin water storage tank (Labor) | \$0.335 | \$0.382 | \$0.382 | \$0.424 | \$0.424 | \$0.286 | \$0.321 | \$0.282 | \$0.523 | \$0.507 | \$0.436 | \$0.332 | \$0.383 | \$0.382 | \$0.312 |
| Incremental Land for Tanks | \$0.038 | \$0.050 | \$0.050 | \$0.050 | \$0.050 | \$0.025 | \$0.050 | \$0.025 | \$0.850 | \$0.075 | \$0.075 | \$0.050 | \$0.015 | \$0.050 | \$0.025 |
| Startup Testing ULSD | \$5.087 | \$7.148 | \$7.096 | \$7.148 | \$7.148 | \$7.186 | \$7.373 | \$7.592 | \$6.994 | \$7.224 | \$7.122 | \$7.243 | \$7.592 | \$7.371 | \$7.265 |
| Startup Testing Energy Sales on ULSD | (\$1.611) | (\$1.917) | (\$1.917) | (\$1.910) | (\$1.910) | (\$1.903) | (\$1.910) | (\$1.910) | (\$2.180) | (\$2.605) | (\$2.131) | (\$2.063) | (\$2.016) | (\$1.975) | (\$1.902) |
| Emission Reduction Credits | | \$0.469 | \$0.469 | \$0.514 | \$0.514 | \$0.469 | \$0.469 | \$0.469 | \$0.469 | \$0.469 | \$0.469 | \$0.469 | \$0.000 | \$0.000 | \$0.000 |
| (Inventory carrying cost as O&M) | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 |
| Total Incremental Direct Cost | \$12.232 | \$15.595 | \$16.567 | \$16.987 | \$16.987 | \$16.287 | \$14.728 | \$15.432 | \$17.581 | \$14.924 | \$16.786 | \$14.699 | \$14.880 | \$14.114 | \$13.709 |
| Sales tax on equipment and materials | \$0.416 | \$0.471 | \$0.508 | \$0.500 | \$0.500 | \$0.453 | \$0.000 | \$0.447 | \$0.690 | \$0.603 | \$0.649 | \$0.568 | \$0.426 | \$0.515 | \$0.574 |
| EPC Fee | \$1.096 | \$1.238 | \$1.365 | \$1.402 | \$1.402 | \$1.316 | \$1.049 | \$1.164 | \$1.457 | \$1.244 | \$1.428 | \$1.148 | \$1.166 | \$1.102 | \$1.067 |
| EPC Contingency | \$1.023 | \$1.156 | \$1.274 | \$1.309 | \$1.309 | \$1.228 | \$0.979 | \$1.087 | \$1.359 | \$1.161 | \$1.333 | \$1.072 | \$1.088 | \$1.029 | \$0.996 |
| Development Cost | \$0.563 | \$0.636 | \$0.701 | \$0.720 | \$0.720 | \$0.675 | \$0.539 | \$0.598 | \$0.748 | \$0.638 | \$0.733 | \$0.589 | \$0.598 | \$0.566 | \$0.548 |
| Mobilization & Startup | \$0.113 | \$0.127 | \$0.140 | \$0.144 | \$0.144 | \$0.135 | \$0.108 | \$0.120 | \$0.150 | \$0.128 | \$0.147 | \$0.118 | \$0.120 | \$0.113 | \$0.110 |
| Non-fuel Inventories | \$0.056 | \$0.064 | \$0.070 | \$0.072 | \$0.072 | \$0.068 | \$0.054 | \$0.060 | \$0.075 | \$0.064 | \$0.073 | \$0.059 | \$0.060 | \$0.057 | \$0.055 |
| Owner's Contingency | \$0.332 | \$0.535 | \$0.532 | \$0.542 | \$0.542 | \$0.538 | \$0.553 | \$0.572 | \$0.572 | \$0.482 | \$0.518 | \$0.529 | \$0.519 | \$0.505 | \$0.500 |
| Financing Fees | \$0.380 | \$0.476 | \$0.508 | \$0.520 | \$0.520 | \$0.497 | \$0.432 | \$0.468 | \$0.543 | \$0.462 | \$0.520 | \$0.451 | \$0.453 | \$0.432 | \$0.421 |
| Indirect (factored) Costs | \$3.977 | \$4.701 | \$5.098 | \$5.209 | \$5.209 | \$4.909 | \$3.714 | \$4.515 | \$5.593 | \$4.781 | \$5.401 | \$4.534 | \$4.430 | \$4.319 | \$4.272 |
| Total Overnight Cost | \$16.209 | \$20.297 | \$21.665 | \$22.196 | \$22.196 | \$21.196 | \$18.442 | \$19.947 | \$23.174 | \$19.705 | \$22.187 | \$19.233 | \$19.310 | \$18.432 | \$17.981 |
| Total Installed Cost | \$17.765 | \$22.245 | \$23.744 | \$24.327 | \$24.327 | \$23.231 | \$20.212 | \$21.862 | \$25.399 | \$21.597 | \$24.317 | \$21.079 | \$21.164 | \$20.202 | \$19.707 |
| Installed Cost per kW of ICAP | \$27.29 | \$35.91 | \$38.33 | \$39.27 | \$39.27 | \$37.50 | \$32.63 | \$35.29 | \$41.00 | \$34.86 | \$39.25 | \$34.03 | \$34.16 | \$32.61 | \$31.81 |
| <i>Annual Fixed O&M Cost (2018 \$MM /yr)</i> | | | | | | | | | | | | | | | |
| Materials & Contract Services | \$0.118 | \$0.124 | \$0.124 | \$0.129 | \$0.129 | \$0.112 | \$0.117 | \$0.112 | \$0.140 | \$0.138 | \$0.130 | \$0.118 | \$0.124 | \$0.124 | \$0.116 |
| Administrative & General Expense | \$0.023 | \$0.024 | \$0.024 | \$0.025 | \$0.025 | \$0.022 | \$0.023 | \$0.022 | \$0.028 | \$0.027 | \$0.026 | \$0.023 | \$0.024 | \$0.024 | \$0.023 |
| ULSD for Regular Testing | \$1.060 | \$1.489 | \$1.478 | \$1.489 | \$1.489 | \$1.497 | \$1.536 | \$1.582 | \$1.457 | \$1.505 | \$1.484 | \$1.509 | \$1.582 | \$1.536 | \$1.514 |
| Energy Offset for Testing | (\$0.336) | (\$0.399) | (\$0.399) | (\$0.398) | (\$0.398) | (\$0.396) | (\$0.398) | (\$0.398) | (\$0.454) | (\$0.543) | (\$0.444) | (\$0.430) | (\$0.420) | (\$0.412) | (\$0.396) |
| Property Taxes | \$0.259 | \$0.180 | \$0.210 | \$0.173 | \$0.173 | \$0.261 | \$0.064 | \$0.091 | \$0.383 | \$0.167 | \$0.264 | \$0.147 | \$0.258 | \$0.105 | \$0.077 |
| Insurance | \$0.107 | \$0.133 | \$0.142 | \$0.146 | \$0.146 | \$0.139 | \$0.121 | \$0.131 | \$0.152 | \$0.130 | \$0.146 | \$0.126 | \$0.127 | \$0.121 | \$0.118 |
| ULSD Inventory Carrying Cost as Fixed O&M | \$0.203 | \$1.225 | \$2.093 | \$2.116 | \$2.116 | \$2.499 | \$1.095 | \$1.880 | \$1.859 | \$1.072 | \$2.289 | \$1.242 | \$1.291 | \$0.737 | \$0.725 |
| Total Fixed O&M (2018 \$MM/yr) | \$1.435 | \$2.776 | \$3.672 | \$3.680 | \$3.680 | \$4.135 | \$2.559 | \$3.420 | \$3.565 | \$2.496 | \$3.895 | \$2.736 | \$2.986 | \$2.236 | \$2.176 |
| Total Fixed O&M (2018 \$kW-yr) | \$2.20 | \$4.48 | \$5.93 | \$5.94 | \$5.94 | \$6.68 | \$4.13 | \$5.52 | \$5.75 | \$4.03 | \$6.29 | \$4.42 | \$4.82 | \$3.61 | \$3.51 |
| <i>Variable O&M Cost (2018 \$/MWh)</i> | | | | | | | | | | | | | | | |
| <i>On Natural Gas Fuel</i> | | | | | | | | | | | | | | | |
| Major Maintenance Materials | \$0.96 | \$1.01 | \$1.01 | \$1.01 | \$1.01 | \$1.01 | \$1.01 | \$1.01 | \$1.01 | \$1.01 | \$1.01 | \$1.01 | \$1.01 | \$1.01 | \$1.01 |
| Major Maintenance Labor | \$0.32 | \$0.38 | \$0.38 | \$0.43 | \$0.43 | \$0.29 | \$0.32 | \$0.28 | \$0.52 | \$0.51 | \$0.44 | \$0.33 | \$0.38 | \$0.38 | \$0.31 |
| Other (Catalyst, ammonia, water, etc.) | \$1.14 | \$1.14 | \$1.14 | \$1.14 | \$1.14 | \$1.14 | \$1.14 | \$1.14 | \$1.14 | \$1.14 | \$1.14 | \$1.14 | \$1.14 | \$1.14 | \$1.14 |
| Total - Natural Gas Fuel | \$2.42 | \$2.53 | \$2.53 | \$2.57 | \$2.57 | \$2.44 | \$2.47 | \$2.43 | \$2.67 | \$2.66 | \$2.59 | \$2.48 | \$2.53 | \$2.53 | \$2.46 |
| <i>On Liquid Fuel</i> | | | | | | | | | | | | | | | |
| Major Maintenance Materials | \$1.44 | \$1.51 | \$1.51 | \$1.51 | \$1.51 | \$1.51 | \$1.51 | \$1.51 | \$1.51 | \$1.51 | \$1.51 | \$1.51 | \$1.51 | \$1.51 | \$1.51 |
| Major Maintenance Labor | \$0.48 | \$0.57 | \$0.57 | \$0.64 | \$0.64 | \$0.43 | \$0.48 | \$0.42 | \$0.79 | \$0.76 | \$0.66 | \$0.50 | \$0.58 | \$0.57 | \$0.47 |
| Other (Catalyst, ammonia, water, etc.) | \$1.14 | \$1.14 | \$1.14 | \$1.14 | \$1.14 | \$1.14 | \$1.14 | \$1.14 | \$1.14 | \$1.14 | \$1.14 | \$1.14 | \$1.14 | \$1.14 | \$1.14 |
| Total - Liquid Fuel | \$3.06 | \$3.23 | \$3.23 | \$3.29 | \$3.29 | \$3.08 | \$3.14 | \$3.08 | \$3.44 | \$3.42 | \$3.31 | \$3.15 | \$3.23 | \$3.23 | \$3.12 |

Sums of amounts shown in columns may not match indicated totals due to rounding

Combined Cycle - 2x1 GE 7FA

| | | | | | | | | | | | | | | | |
|----------|------|------------|----------------|-------|---------------|----------|-----------|----------------|-------|-------------|---------------------|------------------|-----------------|-------------|-------------------|
| Location | Base | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| | PPA | ISONE | | | | | | | NYISO | | | | MISO | | |
| Site | | Middletown | Norwalk Harbor | Canal | Brayton Point | Yarmouth | Merrimack | Vermont Yankee | NYC | Long Island | Lower Hudson Valley | Capital District | Upper Peninsula | Twin Cities | Southern Illinois |

Fuel Assurance Cost Comparison

(Levelized Current \$/kW-yr of ICAP for 2018 CO Date)

Firm Transportation for Natural Gas

| | | | | | | | | | | | | | | |
|-----------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|-----------|-----------|-----------|
| FT Reservation Charge | \$111.67 | \$62.08 | \$115.79 | \$111.67 | \$147.77 | \$77.51 | \$77.51 | \$78.62 | \$127.89 | \$39.04 | \$12.88 | \$29.37 | \$29.37 | \$19.74 |
| Avoided IT Charge | (\$12.32) | (\$19.39) | (\$14.29) | (\$13.52) | (\$55.08) | (\$12.36) | (\$10.61) | (\$20.90) | (\$22.37) | (\$16.81) | (\$7.18) | (\$26.70) | (\$26.70) | (\$13.16) |
| Net FT Cost | \$99.35 | \$42.69 | \$101.49 | \$98.15 | \$92.69 | \$65.16 | \$66.90 | \$57.72 | \$105.51 | \$22.22 | \$5.70 | \$2.67 | \$2.67 | \$6.58 |

Dual-Fuel Capability

| | | | | | | | | | | | | | | |
|--|--------|---------|---------|---------|---------|--------|---------|---------|--------|---------|--------|--------|--------|--------|
| Capital Charges for Incremental Plant | \$4.86 | \$5.20 | \$5.34 | \$5.34 | \$5.12 | \$4.45 | \$4.81 | \$5.82 | \$4.75 | \$5.35 | \$4.61 | \$4.61 | \$4.47 | \$4.36 |
| Carrying Charges on Fuel Inventory | \$1.98 | \$3.38 | \$3.42 | \$3.42 | \$4.03 | \$1.77 | \$3.03 | \$3.00 | \$1.73 | \$3.70 | \$2.01 | \$2.08 | \$1.19 | \$1.17 |
| Incremental Fixed O&M (Excl. Fuel Inventory) | \$2.95 | \$3.01 | \$2.98 | \$2.98 | \$3.11 | \$2.79 | \$2.93 | \$3.25 | \$2.71 | \$3.06 | \$2.84 | \$3.23 | \$2.85 | \$2.76 |
| Total | \$9.79 | \$11.59 | \$11.73 | \$11.73 | \$12.27 | \$9.00 | \$10.78 | \$12.07 | \$9.19 | \$12.10 | \$9.46 | \$9.92 | \$8.51 | \$8.29 |

Combined Cycle - 2x1 GE 7FA

| Location | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 |
|---|----------------|------------|-----------|------------|--------------|------------|------------|------------|-----------|------------------|--------------|-----------|-----------------|
| PPA | PJM | PJM | PJM | PJM | PJM | PJM | PJM | TVA | TVA | TVA | TVA | IESO | IESO |
| Location Name | Dominion North | PEPCO | BGE | Delmarva | PECO | PSEG North | PSEG South | Maury East | Colbert | Johnsonville | Summer Shade | Central | East |
| Area/Zone | Dominion | PEPCO | BGE | Delmarva | PECO | PSEG N | PSEG S | Central | South | Central | Central | Central | East |
| State | VA | MD | MD | DE | PA | NJ | NJ | TN | AL | TN | KY | ON | ON |
| County | Arlington | DC | Baltimore | New Castle | Philadelphia | Essex | Mercer | Maury | Colbert | Humphreys | Metcalfe | na | na |
| City/Town | Arlington | Washington | Baltimore | Wilmington | Philadelphia | Newark | Trenton | na | na | New Johnsonville | Summer Shade | Toronto | Greater Napanee |
| Elevation above sea level (feet) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Summer temperature (for ICAP, F) | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 |
| Winter temperature (for ULSD burn and MDQ, F) | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| Adjusted Performance Data | | | | | | | | | | | | | |
| Summer Installed Capacity (w/duct burners, MW) | 620 | 620 | 620 | 620 | 620 | 620 | 620 | 620 | 620 | 620 | 620 | 620 | 620 |
| Winter Output on NG (w/o duct burners, MW) | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 |
| Winter Heat Rate on NG (w/o duct burners, Btu/kWh) | 6,575 | 6,575 | 6,575 | 6,575 | 6,575 | 6,575 | 6,575 | 6,575 | 6,575 | 6,575 | 6,575 | 6,575 | 6,575 |
| Winter Burn Rate on NG (MMBtu/h) | 4,392 | 4,392 | 4,392 | 4,392 | 4,392 | 4,392 | 4,392 | 4,392 | 4,392 | 4,392 | 4,392 | 4,392 | 4,392 |
| Winter Output on ULSD (w/o duct burners, MW) | 652 | 652 | 652 | 652 | 652 | 652 | 652 | 652 | 652 | 652 | 652 | 652 | 652 |
| Winter Heat Rate on ULSD (w/o duct burners, Btu/kWh) | 6,968 | 6,968 | 6,968 | 6,968 | 6,968 | 6,968 | 6,968 | 6,968 | 6,968 | 6,968 | 6,968 | 6,968 | 6,968 |
| Winter Burn Rate on ULSD (MMBtu/h) | 4,540 | 4,540 | 4,540 | 4,540 | 4,540 | 4,540 | 4,540 | 4,540 | 4,540 | 4,540 | 4,540 | 4,540 | 4,540 |
| Test output on ULSD (w/o duct burners, MW) | 652 | 652 | 652 | 652 | 652 | 652 | 652 | 652 | 652 | 652 | 652 | 652 | 652 |
| Test heat rate on ULSD (w/o duct burners, Btu/kWh) | 6,957 | 6,957 | 6,957 | 6,957 | 6,957 | 6,957 | 6,957 | 6,957 | 6,957 | 6,957 | 6,957 | 6,957 | 6,957 |
| ULSD test burn rate (MMBtu/h) | 4,536 | 4,536 | 4,536 | 4,536 | 4,536 | 4,536 | 4,536 | 4,536 | 4,536 | 4,536 | 4,536 | 4,536 | 4,536 |
| Water injection rate on ULSD (gal/h) | 42,000 | 42,000 | 42,000 | 42,000 | 42,000 | 42,000 | 42,000 | 42,000 | 42,000 | 42,000 | 42,000 | 42,000 | 42,000 |
| NOx emission rate on natural gas (lb/MWh) | 0.049 | 0.049 | 0.049 | 0.049 | 0.049 | 0.049 | 0.049 | 0.049 | 0.049 | 0.049 | 0.049 | 0.049 | 0.049 |
| NOx emission rate on ULSD (lb/MWh) | 0.162 | 0.162 | 0.162 | 0.162 | 0.162 | 0.162 | 0.162 | 0.162 | 0.162 | 0.162 | 0.162 | 0.162 | 0.162 |
| Labor cost multiplier (v. Cleveland) | 1.128 | 1.080 | 1.080 | 1.060 | 1.302 | 1.269 | 1.269 | 0.867 | 0.867 | 0.867 | 0.931 | 1.547 | 1.467 |
| Land cost (2018 \$/acre) | \$50,000 | \$50,000 | \$50,000 | \$50,000 | \$50,000 | \$50,000 | \$50,000 | \$5,000 | \$5,000 | \$5,000 | \$5,000 | \$50,000 | \$25,000 |
| Sales tax rate | 6.00% | 5.75% | 6.00% | 0.00% | 8.00% | 7.00% | 7.00% | 5.50% | 9.25% | 9.75% | 6.00% | 13.00% | 13.00% |
| ULSD Storage Capacity (days of full load) | 2.4 | 2.4 | 7.5 | 3.3 | 3.3 | 2.4 | 2.4 | 1.9 | 10.3 | 10.3 | 2.4 | 2.4 | 2.4 |
| Capacity in gallons | 1,873,104 | 1,873,104 | 5,899,998 | 2,622,345 | 2,622,345 | 1,873,104 | 1,873,104 | 1,498,483 | 8,110,372 | 8,110,372 | 1,873,104 | 1,873,104 | 1,873,104 |
| Demin Water Storage Capacity (days at full load on ULSD) | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| Capacity in gallons | 2,016,000 | 2,016,000 | 2,016,000 | 2,016,000 | 2,016,000 | 2,016,000 | 2,016,000 | 2,016,000 | 2,016,000 | 2,016,000 | 2,016,000 | 2,016,000 | 2,016,000 |
| Average Days of inventory on ULSD | 2.4 | 2.4 | 6.2 | 3.3 | 3.3 | 2.4 | 2.4 | 1.9 | 9.5 | 9.5 | 2.4 | 2.4 | 2.4 |
| Inventory in gallons | 1,873,104 | 1,873,104 | 4,870,069 | 2,622,345 | 2,622,345 | 1,873,104 | 1,873,104 | 1,498,483 | 7,492,414 | 7,492,414 | 1,873,104 | 1,873,104 | 1,873,104 |
| ULSD Price (2018 \$/MMBtu) | \$21.865 | \$21.865 | \$21.846 | \$21.943 | \$21.865 | \$21.943 | \$22.178 | \$22.186 | \$21.885 | \$21.885 | \$22.399 | \$22.256 | \$22.752 |
| Test energy revenue (2018 \$/MWh) | \$39.040 | \$42.610 | \$42.610 | \$42.190 | \$41.750 | \$42.620 | \$42.620 | \$39.610 | \$38.130 | \$39.610 | \$38.540 | \$33.490 | \$33.570 |
| Effective Real Property Tax Rate | 1.00% | 1.85% | 2.36% | 0.90% | 4.10% | 1.90% | 1.90% | 1.65% | 0.75% | 1.65% | 1.10% | 2.94% | 2.17% |
| Effective Personal Property Tax Rate | 0.00% | 0.20% | 0.50% | 0.00% | 0.00% | 0.00% | 0.00% | 0.75% | 0.50% | 0.75% | 0.25% | 0.00% | 0.00% |
| Firm Transportation Rate (Level for 2018 \$/mo per Dth/d) | \$22.94 | \$22.94 | \$22.22 | \$13.52 | \$21.09 | \$20.99 | \$20.28 | \$18.83 | \$14.79 | \$11.54 | \$6.18 | \$43.99 | \$46.37 |
| Avoided IT Rate (Level for 2018 \$/mo per Dth/d) | \$5.71 | \$5.71 | \$8.30 | \$2.78 | \$16.06 | \$18.02 | \$18.02 | \$4.04 | \$8.42 | \$6.60 | \$2.48 | \$21.80 | \$22.98 |
| Weighted Cost of Capital | 8.09% | 7.98% | 8.02% | 8.01% | 7.98% | 8.00% | 8.00% | 8.07% | 8.07% | 8.07% | 8.09% | 8.61% | 8.61% |
| Inventory Carrying Charge (level current \$) | 15.30% | 15.77% | 15.56% | 15.61% | 15.77% | 15.65% | 15.65% | 15.35% | 15.35% | 15.35% | 15.30% | 13.50% | 13.50% |
| Combined Cycle Plant Charge Rate (level current \$) | 13.49% | 13.72% | 13.62% | 13.64% | 13.72% | 13.66% | 13.66% | 13.52% | 13.52% | 13.52% | 13.49% | 12.34% | 12.34% |
| NOx Emission Reduction Credit Multiplier | 1.15 | 1.30 | 1.30 | 1.15 | 1.15 | 1.30 | 1.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Nominal ERC Price (2018\$ per ton/yr PTE) | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 |

Combined Cycle - 2x1 GE 7FA

| Location | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 |
|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| <i>Nominal Capital \$MM for 2018 CO</i> | | | | | | | | | | | | | |
| Gas Turbine Scope | \$4.700 | \$4.700 | \$4.700 | \$4.700 | \$4.700 | \$4.700 | \$4.700 | \$4.700 | \$4.700 | \$4.700 | \$4.700 | \$4.700 | \$4.700 |
| Other major equipment | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 |
| Other construction labor | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 |
| Liquid Fuel, Demin water handling (Mat'l) | \$0.900 | \$0.900 | \$0.900 | \$0.900 | \$0.900 | \$0.900 | \$0.900 | \$0.900 | \$0.900 | \$0.900 | \$0.900 | \$0.900 | \$0.900 |
| Liquid Fuel, Demin water handling (Labor) | \$1.015 | \$0.972 | \$0.972 | \$0.954 | \$1.172 | \$1.143 | \$1.143 | \$0.781 | \$0.781 | \$0.781 | \$0.838 | \$1.392 | \$1.321 |
| Liquid fuel storage tank (Mat'l) | \$0.775 | \$0.775 | \$2.019 | \$1.007 | \$1.007 | \$0.775 | \$0.775 | \$0.659 | \$2.702 | \$2.702 | \$0.775 | \$0.775 | \$0.775 |
| Liquid fuel storage tank (Labor) | \$0.588 | \$0.563 | \$1.468 | \$0.718 | \$0.882 | \$0.662 | \$0.662 | \$0.385 | \$1.577 | \$1.577 | \$0.486 | \$0.807 | \$0.765 |
| Demin water storage tank (Mat'l) | \$0.498 | \$0.498 | \$0.498 | \$0.498 | \$0.498 | \$0.498 | \$0.498 | \$0.498 | \$0.498 | \$0.498 | \$0.498 | \$0.498 | \$0.498 |
| Demin water storage tank (Labor) | \$0.378 | \$0.362 | \$0.362 | \$0.356 | \$0.437 | \$0.426 | \$0.426 | \$0.291 | \$0.291 | \$0.291 | \$0.312 | \$0.519 | \$0.492 |
| Incremental Land for Tanks | \$0.050 | \$0.050 | \$0.050 | \$0.050 | \$0.050 | \$0.050 | \$0.050 | \$0.005 | \$0.005 | \$0.005 | \$0.005 | \$0.050 | \$0.025 |
| Startup Testing ULSD | \$7.141 | \$7.141 | \$7.135 | \$7.167 | \$7.141 | \$7.167 | \$7.243 | \$7.246 | \$7.148 | \$7.148 | \$7.316 | \$7.269 | \$7.431 |
| Startup Testing Energy Sales on ULSD | (\$1.833) | (\$2.000) | (\$2.000) | (\$1.981) | (\$1.960) | (\$2.001) | (\$2.001) | (\$1.859) | (\$1.790) | (\$1.859) | (\$1.809) | (\$1.572) | (\$1.576) |
| Emission Reduction Credits | \$0.469 | \$0.530 | \$0.530 | \$0.469 | \$0.469 | \$0.530 | \$0.530 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 |
| (Inventory carrying cost as O&M) | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 |
| Total Incremental Direct Cost | \$14.682 | \$14.492 | \$16.635 | \$14.837 | \$15.296 | \$14.850 | \$14.926 | \$13.605 | \$16.812 | \$16.743 | \$14.021 | \$15.337 | \$15.332 |
| Sales tax on equipment and materials | \$0.412 | \$0.395 | \$0.487 | \$0.000 | \$0.568 | \$0.481 | \$0.481 | \$0.372 | \$0.814 | \$0.858 | \$0.412 | \$0.894 | \$0.894 |
| EPC Fee | \$1.112 | \$1.100 | \$1.369 | \$1.096 | \$1.220 | \$1.150 | \$1.150 | \$1.030 | \$1.472 | \$1.477 | \$1.071 | \$1.258 | \$1.241 |
| EPC Contingency | \$1.038 | \$1.027 | \$1.278 | \$1.023 | \$1.138 | \$1.074 | \$1.074 | \$0.962 | \$1.374 | \$1.378 | \$0.999 | \$1.174 | \$1.159 |
| Development Cost | \$0.571 | \$0.565 | \$0.703 | \$0.563 | \$0.626 | \$0.590 | \$0.590 | \$0.529 | \$0.755 | \$0.758 | \$0.550 | \$0.646 | \$0.637 |
| Mobilization & Startup | \$0.114 | \$0.113 | \$0.141 | \$0.113 | \$0.125 | \$0.118 | \$0.118 | \$0.106 | \$0.151 | \$0.152 | \$0.110 | \$0.129 | \$0.127 |
| Non-fuel Inventories | \$0.057 | \$0.056 | \$0.070 | \$0.056 | \$0.063 | \$0.059 | \$0.059 | \$0.053 | \$0.076 | \$0.076 | \$0.055 | \$0.065 | \$0.064 |
| Owner's Contingency | \$0.540 | \$0.530 | \$0.533 | \$0.529 | \$0.530 | \$0.533 | \$0.540 | \$0.500 | \$0.503 | \$0.497 | \$0.511 | \$0.535 | \$0.546 |
| Financing Fees | \$0.445 | \$0.439 | \$0.509 | \$0.437 | \$0.470 | \$0.453 | \$0.455 | \$0.412 | \$0.527 | \$0.527 | \$0.425 | \$0.481 | \$0.480 |
| Indirect (factored) Costs | \$4.289 | \$4.225 | \$5.090 | \$3.816 | \$4.740 | \$4.458 | \$4.467 | \$3.962 | \$5.671 | \$5.722 | \$4.133 | \$5.181 | \$5.149 |
| Total Overnight Cost | \$18.972 | \$18.717 | \$21.724 | \$18.653 | \$20.037 | \$19.308 | \$19.393 | \$17.568 | \$22.484 | \$22.465 | \$18.154 | \$20.518 | \$20.480 |
| Total Installed Cost | \$20.793 | \$20.514 | \$23.810 | \$20.444 | \$21.960 | \$21.161 | \$21.255 | \$19.254 | \$24.642 | \$24.622 | \$19.897 | \$22.488 | \$22.446 |
| Installed Cost per kW of ICAP | \$33.56 | \$33.11 | \$38.43 | \$33.00 | \$35.45 | \$34.16 | \$34.31 | \$31.08 | \$39.78 | \$39.74 | \$32.12 | \$36.30 | \$36.23 |
| <i>Annual Fixed O&M Cost (2018 \$MM /yr)</i> | | | | | | | | | | | | | |
| Materials & Contract Services | \$0.123 | \$0.121 | \$0.121 | \$0.121 | \$0.130 | \$0.129 | \$0.129 | \$0.113 | \$0.113 | \$0.113 | \$0.116 | \$0.140 | \$0.137 |
| Administrative & General Expense | \$0.024 | \$0.024 | \$0.024 | \$0.024 | \$0.026 | \$0.025 | \$0.025 | \$0.022 | \$0.022 | \$0.022 | \$0.023 | \$0.028 | \$0.027 |
| ULSD for Regular Testing | \$1.488 | \$1.488 | \$1.486 | \$1.493 | \$1.488 | \$1.493 | \$1.509 | \$1.510 | \$1.489 | \$1.489 | \$1.524 | \$1.514 | \$1.548 |
| Energy Offset for Testing | (\$0.382) | (\$0.417) | (\$0.417) | (\$0.413) | (\$0.408) | (\$0.417) | (\$0.417) | (\$0.387) | (\$0.373) | (\$0.387) | (\$0.377) | (\$0.328) | (\$0.328) |
| Property Taxes | \$0.032 | \$0.087 | \$0.220 | \$0.033 | \$0.169 | \$0.065 | \$0.065 | \$0.148 | \$0.128 | \$0.232 | \$0.068 | \$0.114 | \$0.081 |
| Insurance | \$0.125 | \$0.123 | \$0.143 | \$0.123 | \$0.132 | \$0.127 | \$0.128 | \$0.116 | \$0.148 | \$0.148 | \$0.119 | \$0.135 | \$0.135 |
| ULSD Inventory Carrying Cost as Fixed O&M | \$0.868 | \$0.894 | \$2.292 | \$1.244 | \$1.252 | \$0.891 | \$0.900 | \$0.707 | \$3.486 | \$3.486 | \$0.889 | \$0.779 | \$0.797 |
| Total Fixed O&M (2018 \$MM/yr) | \$2.278 | \$2.321 | \$3.871 | \$2.624 | \$2.788 | \$2.313 | \$2.339 | \$2.227 | \$5.014 | \$5.103 | \$2.361 | \$2.382 | \$2.396 |
| Total Fixed O&M (2018 \$kW-yr) | \$3.68 | \$3.75 | \$6.25 | \$4.24 | \$4.50 | \$3.73 | \$3.78 | \$3.60 | \$8.09 | \$8.24 | \$3.81 | \$3.85 | \$3.87 |
| <i>Variable O&M Cost (2018 \$/MWh)</i> | | | | | | | | | | | | | |
| <i>On Natural Gas Fuel</i> | | | | | | | | | | | | | |
| Major Maintenance Materials | \$1.01 | \$1.01 | \$1.01 | \$1.01 | \$1.01 | \$1.01 | \$1.01 | \$1.01 | \$1.01 | \$1.01 | \$1.01 | \$1.01 | \$1.01 |
| Major Maintenance Labor | \$0.38 | \$0.36 | \$0.36 | \$0.36 | \$0.44 | \$0.43 | \$0.43 | \$0.29 | \$0.29 | \$0.29 | \$0.31 | \$0.52 | \$0.49 |
| Other (Catalyst, ammonia, water, etc.) | \$1.14 | \$1.14 | \$1.14 | \$1.14 | \$1.14 | \$1.14 | \$1.14 | \$1.14 | \$1.14 | \$1.14 | \$1.14 | \$1.14 | \$1.14 |
| Total - Natural Gas Fuel | \$2.53 | \$2.51 | \$2.51 | \$2.51 | \$2.59 | \$2.58 | \$2.58 | \$2.44 | \$2.44 | \$2.44 | \$2.46 | \$2.67 | \$2.64 |
| <i>On Liquid Fuel</i> | | | | | | | | | | | | | |
| Major Maintenance Materials | \$1.51 | \$1.51 | \$1.51 | \$1.51 | \$1.51 | \$1.51 | \$1.51 | \$1.51 | \$1.51 | \$1.51 | \$1.51 | \$1.51 | \$1.51 |
| Major Maintenance Labor | \$0.57 | \$0.54 | \$0.54 | \$0.53 | \$0.66 | \$0.64 | \$0.64 | \$0.44 | \$0.44 | \$0.44 | \$0.47 | \$0.78 | \$0.74 |
| Other (Catalyst, ammonia, water, etc.) | \$1.14 | \$1.14 | \$1.14 | \$1.14 | \$1.14 | \$1.14 | \$1.14 | \$1.14 | \$1.14 | \$1.14 | \$1.14 | \$1.14 | \$1.14 |
| Total - Liquid Fuel | \$3.22 | \$3.20 | \$3.20 | \$3.19 | \$3.31 | \$3.29 | \$3.29 | \$3.09 | \$3.09 | \$3.09 | \$3.12 | \$3.43 | \$3.39 |

Sums of amounts shown in columns may not match indicated total.

Combined Cycle - 2x1 GE 7FA

| Location | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 |
|----------|----------------|-------|-----|----------|------|------------|------------|------------|---------|--------------|--------------|---------|------|
| | PJM | | | | | | | TVA | | | | IESO | |
| | Dominion North | PEPCO | BGE | Delmarva | PECO | PSEG North | PSEG South | Maury East | Colbert | Johnsonville | Summer Shade | Central | East |

Fuel Assurance Cost Comparison

(Levelized Current \$/kW-yr of ICAP for 2018 CO Date)

Firm Transportation for Natural Gas

| | | | | | | | | | | | | | |
|-----------------------|-----------|-----------|-----------|----------|-----------|-----------|-----------|----------|-----------|-----------|----------|-----------|-----------|
| FT Reservation Charge | \$46.85 | \$46.85 | \$45.37 | \$27.60 | \$43.07 | \$42.86 | \$41.40 | \$38.44 | \$30.19 | \$23.57 | \$12.61 | \$89.82 | \$94.67 |
| Avoided IT Charge | (\$11.66) | (\$11.66) | (\$16.95) | (\$5.68) | (\$32.79) | (\$36.80) | (\$36.79) | (\$8.25) | (\$17.19) | (\$13.49) | (\$5.07) | (\$44.52) | (\$46.92) |
| Net FT Cost | \$35.19 | \$35.19 | \$28.43 | \$21.92 | \$10.28 | \$6.06 | \$4.61 | \$30.18 | \$13.00 | \$10.09 | \$7.54 | \$45.30 | \$47.75 |

Dual-Fuel Capability

| | | | | | | | | | | | | | |
|--|--------|--------|---------|--------|--------|--------|--------|--------|---------|---------|--------|--------|--------|
| Capital Charges for Incremental Plant | \$4.53 | \$4.54 | \$5.23 | \$4.50 | \$4.86 | \$4.67 | \$4.69 | \$4.20 | \$5.38 | \$5.37 | \$4.33 | \$4.48 | \$4.47 |
| Carrying Charges on Fuel Inventory | \$1.40 | \$1.44 | \$3.70 | \$2.01 | \$2.02 | \$1.44 | \$1.45 | \$1.14 | \$5.63 | \$5.63 | \$1.43 | \$1.26 | \$1.29 |
| Incremental Fixed O&M (Excl. Fuel Inventory) | \$2.68 | \$2.72 | \$3.00 | \$2.63 | \$2.93 | \$2.71 | \$2.74 | \$2.89 | \$2.91 | \$3.08 | \$2.80 | \$3.04 | \$3.03 |
| Total | \$8.61 | \$8.70 | \$11.94 | \$9.14 | \$9.81 | \$8.81 | \$8.88 | \$8.24 | \$13.91 | \$14.08 | \$8.57 | \$8.78 | \$8.79 |

Simple Cycle - Technology by Site

| Location | Base | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
|---|-----------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---------------------|------------------|-----------------|---------------|-------------------|
| PPA | PJM | ISONNE | ISONNE | ISONNE | ISONNE | ISONNE | ISONNE | ISONNE | NYISO | NYISO | NYISO | NYISO | MISO | MISO | MISO |
| Location Name | | Middletown | Norwalk Harbor | Canal | Brayton Point | Yarmouth | Merrimack | Vermont Yankee | NYC | Long Island | Lower Hudson Valley | Capital District | Upper Peninsula | Twin Cities | Southern Illinois |
| Area/Zone | | CT | CT | SEMA | SEMA | ME | NH | VT | J | K | GHI | F | North | North | Central |
| State | OH | CT | CT | MA | MA | ME | NH | VT | NY | NY | NY | NY | MI | MN | IL |
| County | | Middlesex | Fairfield | Barnstable | Bristol | Cumberland | Merrimack | Windham | Queens | Suffolk | Orange | Albany | Marquette | Ramsey | Jackson |
| City/Town | Cleveland | Middletown | Norwalk | Sandwich | Somerset | Yarmouth | Bow | Vernon | NYC (Astoria) | Yaphank | Newburgh | Albany | Marquette | St. Paul | Carbondale |
| NOx Non-Attainment Status | | TRUE | TRUE | TRUE | TRUE | TRUE | TRUE | TRUE | TRUE | TRUE | TRUE | TRUE | FALSE | FALSE | FALSE |
| Simple Cycle Technology Selection | | 2xLMS100 w/SCR | 2xLMS100 w/SCR | 2xLMS100 w/SCR | 2xLMS100 w/SCR | 2xLMS100 w/SCR | 2xLMS100 w/SCR | 2xLMS100 w/SCR | 2xLMS100 w/SCR | 2xLMS100 w/SCR | 2xLMS100 w/SCR | 2xLMS100 w/SCR | 2x7FA w/o SCR | 2x7FA w/o SCR | 2x7FA w/o SCR |
| Adjusted Performance Data | | | | | | | | | | | | | | | |
| Summer Installed Capacity (MW) | | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 414 | 414 | 414 |
| Winter Output on NG (MW) | | 224 | 224 | 224 | 224 | 224 | 224 | 224 | 224 | 224 | 224 | 224 | 458 | 458 | 458 |
| Winter Heat Rate on NG (Btu/kWh) | | 8,776 | 8,776 | 8,776 | 8,776 | 8,776 | 8,776 | 8,776 | 8,776 | 8,776 | 8,776 | 8,776 | 9,605 | 9,605 | 9,605 |
| Winter Burn Rate on NG (MMBtu/h) | | 1,966 | 1,966 | 1,966 | 1,966 | 1,966 | 1,966 | 1,966 | 1,966 | 1,966 | 1,966 | 1,966 | 4,399 | 4,399 | 4,399 |
| Winter Output on ULSD (MW) | | 192 | 192 | 192 | 192 | 192 | 192 | 192 | 192 | 192 | 192 | 192 | 448 | 448 | 448 |
| Winter Heat Rate on ULSD (Btu/kWh) | | 8,908 | 8,908 | 8,908 | 8,908 | 8,908 | 8,908 | 8,908 | 8,908 | 8,908 | 8,908 | 8,908 | 10,107 | 10,107 | 10,107 |
| Winter Burn Rate on ULSD (MMBtu/h) | | 1,713 | 1,713 | 1,713 | 1,713 | 1,713 | 1,713 | 1,713 | 1,713 | 1,713 | 1,713 | 1,713 | 4,528 | 4,528 | 4,528 |
| Test output on ULSD (MW) | | 218 | 218 | 218 | 218 | 218 | 218 | 218 | 218 | 218 | 218 | 218 | 444 | 444 | 444 |
| Test heat rate on ULSD (Btu/kWh) | | 8,628 | 8,628 | 8,628 | 8,628 | 8,628 | 8,628 | 8,628 | 8,628 | 8,628 | 8,628 | 8,628 | 10,203 | 10,203 | 10,203 |
| ULSD test burn rate (MMBtu/h) | | 1,884 | 1,884 | 1,884 | 1,884 | 1,884 | 1,884 | 1,884 | 1,884 | 1,884 | 1,884 | 1,884 | 4,530 | 4,530 | 4,530 |
| Water injection rate on ULSD (gal/h) | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 42,000 | 42,000 | 42,000 |
| NOx emission rate on natural gas (lb/MWh) | | 0.083 | 0.083 | 0.083 | 0.083 | 0.083 | 0.083 | 0.083 | 0.083 | 0.083 | 0.083 | 0.083 | 0.329 | 0.329 | 0.329 |
| NOx emission rate on ULSD (lb/MWh) | | 0.199 | 0.199 | 0.199 | 0.199 | 0.199 | 0.199 | 0.199 | 0.199 | 0.199 | 0.199 | 0.199 | 1.659 | 1.659 | 1.659 |
| Labor cost multiplier (v. Cleveland) | | 1.139 | 1.139 | 1.265 | 1.265 | 0.852 | 0.957 | 0.841 | 1.558 | 1.511 | 1.300 | 0.991 | 1.142 | 1.138 | 0.931 |
| Land cost (2018 \$/acre) | | \$50,000 | \$50,000 | \$50,000 | \$50,000 | \$25,000 | \$50,000 | \$25,000 | \$850,000 | \$75,000 | \$75,000 | \$50,000 | \$15,000 | \$50,000 | \$25,000 |
| Sales tax rate | | 6.35% | 6.35% | 6.25% | 6.25% | 5.50% | 0.00% | 6.00% | 8.88% | 8.63% | 8.13% | 8.00% | 6.00% | 7.63% | 8.50% |
| ULSD Storage Capacity (days of full load) | | 4.6 | 5.8 | 5.8 | 5.8 | 6.3 | 1.4 | 2.4 | 5.3 | 1.4 | 4.8 | 1.7 | 1.7 | 1.0 | 1.0 |
| Capacity in gallons | | 1,362,690 | 1,716,071 | 1,716,071 | 1,716,071 | 1,857,423 | 424,057 | 706,762 | 1,574,718 | 424,057 | 1,439,565 | 494,734 | 1,307,798 | 747,313 | 747,313 |
| Demin Water Storage Capacity (days at full load on ULSD) | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 2.0 | 2.0 |
| Capacity in gallons | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,016,000 | 2,016,000 | 2,016,000 |
| Average Days of inventory on ULSD | | 1.7 | 2.9 | 2.9 | 2.9 | 3.3 | 1.4 | 2.4 | 2.4 | 1.4 | 3.1 | 1.7 | 1.7 | 1.0 | 1.0 |
| Inventory in gallons | | 494,734 | 848,115 | 848,115 | 848,115 | 989,467 | 424,057 | 706,762 | 706,762 | 424,057 | 918,791 | 494,734 | 1,307,798 | 747,313 | 747,313 |
| ULSD Price (2018 \$/MMBtu) | | \$21.885 | \$21.728 | \$21.885 | \$21.885 | \$22.002 | \$22.576 | \$23.245 | \$21.416 | \$22.119 | \$21.807 | \$22.178 | \$23.245 | \$22.569 | \$22.244 |
| Test energy revenue (2018 \$/MWh) | | \$40.840 | \$40.840 | \$40.690 | \$40.690 | \$40.530 | \$40.690 | \$40.690 | \$46.440 | \$55.500 | \$45.400 | \$43.940 | \$42.940 | \$42.080 | \$40.520 |
| Effective Real Property Tax Rate | | 2.00% | 2.00% | 2.00% | 2.00% | 1.80% | 2.00% | 2.20% | 5.00% | 4.00% | 4.00% | 4.00% | 3.00% | 3.50% | 2.80% |
| Effective Personal Property Tax Rate | | 0.60% | 0.60% | 0.30% | 0.30% | 1.10% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 1.00% | 0.00% | 0.00% |
| Firm Transportation Rate (Level for 2018 \$/mo per Dth/d) | | \$54.69 | \$37.02 | \$56.71 | \$54.69 | \$72.37 | \$37.96 | \$37.96 | \$49.35 | \$103.25 | \$19.12 | \$6.31 | \$14.39 | \$14.39 | \$9.67 |
| Avoided IT Rate (Level for 2018 \$/mo per Dth/d) | | \$3.02 | \$4.75 | \$3.50 | \$3.31 | \$13.49 | \$3.03 | \$2.60 | \$5.12 | \$5.48 | \$4.12 | \$1.76 | \$6.54 | \$6.54 | \$3.22 |
| Weighted Cost of Capital | | 8.06% | 8.05% | 8.03% | 8.03% | 8.01% | 8.02% | 8.02% | 7.78% | 8.02% | 8.02% | 8.06% | 8.09% | 7.98% | 7.99% |
| Inventory Carrying Charge (level current \$) | | 15.41% | 15.47% | 15.53% | 15.53% | 15.64% | 15.59% | 15.59% | 16.73% | 15.56% | 15.56% | 15.42% | 15.30% | 15.75% | 15.71% |
| Simple Cycle Plant Charge Rate (level current \$) | | 13.06% | 13.08% | 13.10% | 13.10% | 13.14% | 13.12% | 13.12% | 13.57% | 13.12% | 13.12% | 13.06% | 13.01% | 13.18% | 13.17% |
| NOx Emission Reduction Credit Multiplier | | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 |
| Nominal ERC Price (2018\$ per ton/yr PTE) | | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 |

Simple Cycle - Technology by Site

| Location | Base | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
|--|------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| <i>Nominal Capital \$MM for 2018 CO</i> | | | | | | | | | | | | | | | |
| Gas Turbine Scope | | \$3.345 | \$3.345 | \$3.345 | \$3.345 | \$3.345 | \$3.345 | \$3.345 | \$3.345 | \$3.345 | \$3.345 | \$3.345 | \$4.400 | \$4.400 | \$4.400 |
| Other major equipment | | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$1.310 | \$1.310 | \$1.310 |
| Other construction labor | | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$1.142 | \$1.138 | \$0.931 |
| Liquid Fuel, Demin water handling (Mat'l) | | \$0.200 | \$0.200 | \$0.200 | \$0.200 | \$0.200 | \$0.200 | \$0.200 | \$0.200 | \$0.200 | \$0.200 | \$0.200 | \$1.000 | \$1.000 | \$1.000 |
| Liquid Fuel, Demin water handling (Labor) | | \$0.175 | \$0.175 | \$0.195 | \$0.195 | \$0.131 | \$0.147 | \$0.129 | \$0.240 | \$0.233 | \$0.200 | \$0.152 | \$1.142 | \$1.138 | \$0.931 |
| Liquid fuel storage tank (Mat'l) | | \$0.617 | \$0.726 | \$0.726 | \$0.726 | \$0.770 | \$0.327 | \$0.415 | \$0.683 | \$0.327 | \$0.641 | \$0.349 | \$0.600 | \$0.427 | \$0.427 |
| Liquid fuel storage tank (Labor) | | \$0.473 | \$0.557 | \$0.619 | \$0.619 | \$0.442 | \$0.211 | \$0.235 | \$0.716 | \$0.333 | \$0.561 | \$0.233 | \$0.461 | \$0.327 | \$0.268 |
| Demin water storage tank (Mat'l) | | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.655 | \$0.655 | \$0.655 |
| Demin water storage tank (Labor) | | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.504 | \$0.502 | \$0.411 |
| Incremental Land for Tanks | | \$0.050 | \$0.050 | \$0.050 | \$0.050 | \$0.025 | \$0.050 | \$0.025 | \$0.850 | \$0.075 | \$0.075 | \$0.050 | \$0.015 | \$0.050 | \$0.025 |
| Startup Testing ULSD | | \$2.969 | \$2.948 | \$2.969 | \$2.969 | \$2.985 | \$3.063 | \$3.154 | \$2.905 | \$3.001 | \$2.958 | \$3.009 | \$7.582 | \$7.361 | \$7.256 |
| Startup Testing Energy Sales on ULSD | | (\$0.642) | (\$0.642) | (\$0.640) | (\$0.640) | (\$0.637) | (\$0.640) | (\$0.640) | (\$0.730) | (\$0.873) | (\$0.714) | (\$0.691) | (\$1.373) | (\$1.345) | (\$1.295) |
| Emission Reduction Credits | | \$0.161 | \$0.161 | \$0.177 | \$0.177 | \$0.161 | \$0.161 | \$0.161 | \$0.161 | \$0.161 | \$0.161 | \$0.161 | \$0.000 | \$0.000 | \$0.000 |
| (Inventory carrying cost as O&M) | | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 |
| Total Incremental Direct Cost | | \$7.349 | \$7.521 | \$7.641 | \$7.641 | \$7.422 | \$6.865 | \$7.024 | \$8.370 | \$6.802 | \$7.428 | \$6.808 | \$17.438 | \$16.963 | \$16.318 |
| Sales tax on equipment and materials | | \$0.264 | \$0.271 | \$0.267 | \$0.267 | \$0.237 | \$0.000 | \$0.238 | \$0.375 | \$0.334 | \$0.340 | \$0.312 | \$0.478 | \$0.594 | \$0.662 |
| EPC Fee | | \$0.508 | \$0.528 | \$0.535 | \$0.535 | \$0.513 | \$0.423 | \$0.456 | \$0.556 | \$0.477 | \$0.529 | \$0.459 | \$1.169 | \$1.149 | \$1.100 |
| EPC Contingency | | \$0.558 | \$0.580 | \$0.589 | \$0.589 | \$0.564 | \$0.465 | \$0.502 | \$0.611 | \$0.525 | \$0.582 | \$0.505 | \$1.286 | \$1.264 | \$1.209 |
| Development Cost | | \$0.307 | \$0.319 | \$0.324 | \$0.324 | \$0.310 | \$0.256 | \$0.276 | \$0.336 | \$0.289 | \$0.320 | \$0.278 | \$0.707 | \$0.695 | \$0.665 |
| Mobilization & Startup | | \$0.061 | \$0.064 | \$0.065 | \$0.065 | \$0.062 | \$0.051 | \$0.055 | \$0.067 | \$0.058 | \$0.064 | \$0.056 | \$0.141 | \$0.139 | \$0.133 |
| Non-fuel Inventories | | \$0.031 | \$0.032 | \$0.032 | \$0.032 | \$0.031 | \$0.026 | \$0.028 | \$0.034 | \$0.029 | \$0.032 | \$0.028 | \$0.071 | \$0.070 | \$0.067 |
| Owner's Contingency | | \$0.237 | \$0.235 | \$0.239 | \$0.239 | \$0.236 | \$0.244 | \$0.250 | \$0.296 | \$0.221 | \$0.232 | \$0.235 | \$0.579 | \$0.565 | \$0.557 |
| Financing Fees | | \$0.224 | \$0.229 | \$0.233 | \$0.233 | \$0.225 | \$0.200 | \$0.212 | \$0.255 | \$0.210 | \$0.229 | \$0.208 | \$0.525 | \$0.515 | \$0.497 |
| Indirect (factored) Costs | | \$2.190 | \$2.258 | \$2.283 | \$2.283 | \$2.178 | \$1.665 | \$2.016 | \$2.531 | \$2.141 | \$2.327 | \$2.080 | \$4.957 | \$4.990 | \$4.890 |
| Total Overnight Cost | | \$9.539 | \$9.779 | \$9.924 | \$9.924 | \$9.600 | \$8.530 | \$9.040 | \$10.901 | \$8.943 | \$9.754 | \$8.888 | \$22.395 | \$21.953 | \$21.208 |
| Total Installed Cost | | \$9.977 | \$10.229 | \$10.381 | \$10.381 | \$10.042 | \$8.922 | \$9.456 | \$11.403 | \$9.355 | \$10.203 | \$9.297 | \$23.425 | \$22.963 | \$22.184 |
| Installed Cost per kW of ICAP | | \$49.60 | \$50.85 | \$51.60 | \$51.60 | \$49.91 | \$44.35 | \$47.00 | \$56.68 | \$46.50 | \$50.72 | \$46.22 | \$56.58 | \$55.47 | \$53.58 |
| <i>Annual Fixed O&M Cost (2018 \$MM /yr)</i> | | | | | | | | | | | | | | | |
| Materials & Contract Services | | \$0.010 | \$0.010 | \$0.010 | \$0.010 | \$0.009 | \$0.010 | \$0.009 | \$0.011 | \$0.011 | \$0.011 | \$0.010 | \$0.046 | \$0.046 | \$0.043 |
| Administrative & General Expense | | \$0.011 | \$0.011 | \$0.011 | \$0.011 | \$0.010 | \$0.010 | \$0.010 | \$0.012 | \$0.012 | \$0.011 | \$0.011 | \$0.050 | \$0.050 | \$0.046 |
| ULSD for Regular Testing | | \$0.619 | \$0.614 | \$0.619 | \$0.619 | \$0.622 | \$0.638 | \$0.657 | \$0.605 | \$0.625 | \$0.616 | \$0.627 | \$1.580 | \$1.534 | \$1.512 |
| Energy Offset for Testing | | (\$0.134) | (\$0.134) | (\$0.133) | (\$0.133) | (\$0.133) | (\$0.133) | (\$0.133) | (\$0.152) | (\$0.182) | (\$0.149) | (\$0.144) | (\$0.286) | (\$0.280) | (\$0.270) |
| Property Taxes | | \$0.076 | \$0.081 | \$0.060 | \$0.060 | \$0.112 | \$0.015 | \$0.020 | \$0.153 | \$0.040 | \$0.070 | \$0.035 | \$0.266 | \$0.093 | \$0.068 |
| Insurance | | \$0.060 | \$0.061 | \$0.062 | \$0.062 | \$0.060 | \$0.054 | \$0.057 | \$0.068 | \$0.056 | \$0.061 | \$0.056 | \$0.141 | \$0.138 | \$0.133 |
| ULSD Inventory Carrying Cost as Fixed O&M | | \$0.231 | \$0.395 | \$0.399 | \$0.399 | \$0.472 | \$0.207 | \$0.355 | \$0.351 | \$0.202 | \$0.432 | \$0.234 | \$0.644 | \$0.368 | \$0.362 |
| Total Fixed O&M (2018 \$MM/yr) | | \$0.873 | \$1.039 | \$1.029 | \$1.029 | \$1.152 | \$0.800 | \$0.974 | \$1.049 | \$0.765 | \$1.053 | \$0.828 | \$2.439 | \$1.947 | \$1.893 |
| Total Fixed O&M (2018 \$kW-yr) | | \$4.34 | \$5.16 | \$5.11 | \$5.11 | \$5.73 | \$3.98 | \$4.84 | \$5.21 | \$3.80 | \$5.23 | \$4.11 | \$5.89 | \$4.70 | \$4.57 |
| <i>Variable O&M Cost (2018 \$/MWh)</i> | | | | | | | | | | | | | | | |
| <i>On Natural Gas Fuel</i> | | | | | | | | | | | | | | | |
| Major Maintenance Materials | | \$2.49 | \$2.49 | \$2.49 | \$2.49 | \$2.49 | \$2.49 | \$2.49 | \$2.49 | \$2.49 | \$2.49 | \$2.49 | \$1.26 | \$1.26 | \$1.26 |
| Major Maintenance Labor | | \$0.17 | \$0.17 | \$0.19 | \$0.19 | \$0.13 | \$0.15 | \$0.13 | \$0.24 | \$0.23 | \$0.20 | \$0.15 | \$0.46 | \$0.46 | \$0.37 |
| Other (Catalyst, ammonia, water, etc.) | | \$2.52 | \$2.52 | \$2.52 | \$2.52 | \$2.52 | \$2.52 | \$2.52 | \$2.52 | \$2.52 | \$2.52 | \$2.52 | \$1.89 | \$1.89 | \$1.89 |
| Total - Natural Gas Fuel | | \$5.18 | \$5.18 | \$5.20 | \$5.20 | \$5.14 | \$5.15 | \$5.13 | \$5.24 | \$5.24 | \$5.20 | \$5.16 | \$3.61 | \$3.61 | \$3.52 |
| <i>On Liquid Fuel</i> | | | | | | | | | | | | | | | |
| Major Maintenance Materials | | \$3.73 | \$3.73 | \$3.73 | \$3.73 | \$3.73 | \$3.73 | \$3.73 | \$3.73 | \$3.73 | \$3.73 | \$3.73 | \$1.89 | \$1.89 | \$1.89 |
| Major Maintenance Labor | | \$0.26 | \$0.26 | \$0.29 | \$0.29 | \$0.20 | \$0.22 | \$0.19 | \$0.36 | \$0.35 | \$0.30 | \$0.23 | \$0.69 | \$0.69 | \$0.56 |
| Other (Catalyst, ammonia, water, etc.) | | \$2.52 | \$2.52 | \$2.52 | \$2.52 | \$2.52 | \$2.52 | \$2.52 | \$2.52 | \$2.52 | \$2.52 | \$2.52 | \$1.89 | \$1.89 | \$1.89 |
| Total - Liquid Fuel | | \$6.51 | \$6.51 | \$6.54 | \$6.54 | \$6.44 | \$6.47 | \$6.44 | \$6.61 | \$6.59 | \$6.55 | \$6.48 | \$4.47 | \$4.46 | \$4.34 |

Sums of amounts shown in columns may not match indicated totals due to rounding

Simple Cycle - Technology by Site

| | | | | | | | | | | | | | | | |
|----------|------|------------|----------------|-------|---------------|----------|-----------|----------------|-------|-------------|---------------------|------------------|-----------------|-------------|-------------------|
| Location | Base | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| | PPA | ISONE | | | | | | | NYISO | | | | MISO | | |
| Site | | Middletown | Norwalk Harbor | Canal | Brayton Point | Yarmouth | Merrimack | Vermont Yankee | NYC | Long Island | Lower Hudson Valley | Capital District | Upper Peninsula | Twin Cities | Southern Illinois |

Fuel Assurance Cost Comparison

(Levelized Current \$/kW-yr of ICAP for 2018 CO Date)

Firm Transportation for Natural Gas

| | | | | | | | | | | | | | | |
|--|----------|-----------|----------|----------|-----------|----------|----------|-----------|-----------|-----------|----------|-----------|-----------|----------|
| FT Reservation Charge | \$153.96 | \$104.22 | \$159.64 | \$153.96 | \$203.74 | \$106.87 | \$106.87 | \$138.95 | \$290.67 | \$53.82 | \$17.76 | \$44.02 | \$44.02 | \$29.58 |
| Avoided IT Charge | (\$8.49) | (\$13.36) | (\$9.85) | (\$9.32) | (\$37.97) | (\$8.52) | (\$7.32) | (\$14.41) | (\$15.42) | (\$11.59) | (\$4.95) | (\$20.01) | (\$20.01) | (\$9.86) |
| Net FT Cost | \$145.47 | \$90.86 | \$149.79 | \$144.64 | \$165.77 | \$98.35 | \$99.55 | \$124.54 | \$275.24 | \$42.23 | \$12.81 | \$24.02 | \$24.02 | \$19.72 |
| <i>Dual-Fuel Capability</i> | \$145.47 | \$90.86 | \$149.79 | \$144.64 | \$165.77 | \$98.35 | \$99.55 | \$124.54 | \$275.24 | \$42.23 | \$12.81 | \$24.02 | \$24.02 | \$19.72 |
| Capital Charges for Incremental Plant | \$6.48 | \$6.65 | \$6.76 | \$6.76 | \$6.56 | \$5.82 | \$6.17 | \$7.69 | \$6.10 | \$6.65 | \$6.04 | \$7.36 | \$7.31 | \$7.06 |
| Carrying Charges on Fuel Inventory | \$1.15 | \$1.96 | \$1.98 | \$1.98 | \$2.34 | \$1.03 | \$1.76 | \$1.74 | \$1.01 | \$2.15 | \$1.16 | \$1.56 | \$0.89 | \$0.87 |
| Incremental Fixed O&M (Excl. Fuel Inventory) | \$3.76 | \$3.78 | \$3.69 | \$3.69 | \$3.99 | \$3.48 | \$3.63 | \$4.10 | \$3.30 | \$3.64 | \$3.48 | \$5.11 | \$4.50 | \$4.36 |
| Total | \$11.38 | \$12.39 | \$12.44 | \$12.44 | \$12.89 | \$10.33 | \$11.57 | \$13.53 | \$10.40 | \$12.44 | \$10.68 | \$14.03 | \$12.70 | \$12.29 |

Simple Cycle - Technology by Site

| Location | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 |
|---|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---------------|---------------|------------------|---------------|---------------|-----------------|
| PPA | PJM | PJM | PJM | PJM | PJM | PJM | PJM | TVA | TVA | TVA | TVA | IESO | IESO |
| Location Name | Dominion North | PEPCO | BGE | Delmarva | PECO | PSEG North | PSEG South | Maury East | Colbert | Johnsonville | Summer Shade | Central | East |
| Area/Zone | Dominion | PEPCO | BGE | Delmarva | PECO | PSEG N | PSEG S | Central | South | Central | Central | Central | East |
| State | VA | MD | MD | DE | PA | NJ | NJ | TN | AL | TN | KY | ON | ON |
| County | Arlington | DC | Baltimore | New Castle | Philadelphia | Essex | Mercer | Maury | Colbert | Humphreys | Metcalfe | na | na |
| City/Town | Arlington | Washington | Baltimore | Wilmington | Philadelphia | Newark | Trenton | na | na | New Johnsonville | Summer Shade | Toronto | Greater Napanee |
| NOx Non-Attainment Status | TRUE | TRUE | TRUE | TRUE | TRUE | TRUE | TRUE | FALSE | FALSE | FALSE | FALSE | FALSE | FALSE |
| Simple Cycle Technology Selection | 2xLMS100 w/SCR | 2xLMS100 w/SCR | 2xLMS100 w/SCR | 2xLMS100 w/SCR | 2xLMS100 w/SCR | 2xLMS100 w/SCR | 2xLMS100 w/SCR | 2x7FA w/o SCR | 2x7FA w/o SCR | 2x7FA w/o SCR | 2x7FA w/o SCR | 2x7FA w/o SCR | 2x7FA w/o SCR |
| Adjusted Performance Data | | | | | | | | | | | | | |
| Summer Installed Capacity (MW) | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 414 | 414 | 414 | 414 | 414 | 414 |
| Winter Output on NG (MW) | 224 | 224 | 224 | 224 | 224 | 224 | 224 | 458 | 458 | 458 | 458 | 458 | 458 |
| Winter Heat Rate on NG (Btu/kWh) | 8,776 | 8,776 | 8,776 | 8,776 | 8,776 | 8,776 | 8,776 | 9,605 | 9,605 | 9,605 | 9,605 | 9,605 | 9,605 |
| Winter Burn Rate on NG (MMBtu/h) | 1,966 | 1,966 | 1,966 | 1,966 | 1,966 | 1,966 | 1,966 | 4,399 | 4,399 | 4,399 | 4,399 | 4,399 | 4,399 |
| Winter Output on ULSD (MW) | 192 | 192 | 192 | 192 | 192 | 192 | 192 | 448 | 448 | 448 | 448 | 448 | 448 |
| Winter Heat Rate on ULSD (Btu/kWh) | 8,908 | 8,908 | 8,908 | 8,908 | 8,908 | 8,908 | 8,908 | 10,107 | 10,107 | 10,107 | 10,107 | 10,107 | 10,107 |
| Winter Burn Rate on ULSD (MMBtu/h) | 1,713 | 1,713 | 1,713 | 1,713 | 1,713 | 1,713 | 1,713 | 4,528 | 4,528 | 4,528 | 4,528 | 4,528 | 4,528 |
| Test output on ULSD (MW) | 218 | 218 | 218 | 218 | 218 | 218 | 218 | 444 | 444 | 444 | 444 | 444 | 444 |
| Test heat rate on ULSD (Btu/kWh) | 8,628 | 8,628 | 8,628 | 8,628 | 8,628 | 8,628 | 8,628 | 10,203 | 10,203 | 10,203 | 10,203 | 10,203 | 10,203 |
| ULSD test burn rate (MMBtu/h) | 1,884 | 1,884 | 1,884 | 1,884 | 1,884 | 1,884 | 1,884 | 4,530 | 4,530 | 4,530 | 4,530 | 4,530 | 4,530 |
| Water injection rate on ULSD (gal/h) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 42,000 | 42,000 | 42,000 | 42,000 | 42,000 | 42,000 |
| NOx emission rate on natural gas (lb/MWh) | 0.083 | 0.083 | 0.083 | 0.083 | 0.083 | 0.083 | 0.083 | 0.329 | 0.329 | 0.329 | 0.329 | 0.329 | 0.329 |
| NOx emission rate on ULSD (lb/MWh) | 0.199 | 0.199 | 0.199 | 0.199 | 0.199 | 0.199 | 0.199 | 1.659 | 1.659 | 1.659 | 1.659 | 1.659 | 1.659 |
| Labor cost multiplier (v. Cleveland) | 1.128 | 1.080 | 1.080 | 1.060 | 1.302 | 1.269 | 1.269 | 0.867 | 0.867 | 0.867 | 0.931 | 1.547 | 1.467 |
| Land cost (2018 \$/acre) | \$50,000 | \$50,000 | \$50,000 | \$50,000 | \$50,000 | \$50,000 | \$50,000 | \$5,000 | \$5,000 | \$5,000 | \$5,000 | \$50,000 | \$25,000 |
| Sales tax rate | 6.00% | 5.75% | 6.00% | 0.00% | 8.00% | 7.00% | 7.00% | 5.50% | 9.25% | 9.75% | 6.00% | 13.00% | 13.00% |
| ULSD Storage Capacity (days of full load) | 1.2 | 1.2 | 6.0 | 1.7 | 1.7 | 1.2 | 1.2 | 1.0 | 5.5 | 5.5 | 1.2 | 1.2 | 1.2 |
| Capacity in gallons | 353,381 | 353,381 | 1,786,747 | 494,734 | 494,734 | 353,381 | 353,381 | 747,313 | 4,351,959 | 4,351,959 | 934,142 | 934,142 | 934,142 |
| Demin Water Storage Capacity (days at full load on ULSD) | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| Capacity in gallons | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,016,000 | 2,016,000 | 2,016,000 | 2,016,000 | 2,016,000 | 2,016,000 |
| Average Days of inventory on ULSD | 1.2 | 1.2 | 3.1 | 1.7 | 1.7 | 1.2 | 1.2 | 1.0 | 4.8 | 4.8 | 1.2 | 1.2 | 1.2 |
| Inventory in gallons | 353,381 | 353,381 | 918,791 | 494,734 | 494,734 | 353,381 | 353,381 | 747,313 | 3,736,567 | 3,736,567 | 934,142 | 934,142 | 934,142 |
| ULSD Price (2018 \$/MMBtu) | \$21.865 | \$21.865 | \$21.846 | \$21.943 | \$21.865 | \$21.943 | \$22.178 | \$22.186 | \$21.885 | \$21.885 | \$22.399 | \$22.256 | \$22.752 |
| Test energy revenue (2018 \$/MWh) | \$39.040 | \$42.610 | \$42.610 | \$42.190 | \$41.750 | \$42.620 | \$42.620 | \$39.610 | \$38.130 | \$39.610 | \$38.540 | \$33.490 | \$33.570 |
| Effective Real Property Tax Rate | 1.00% | 1.85% | 2.36% | 0.90% | 4.10% | 1.90% | 1.90% | 1.65% | 0.75% | 1.65% | 1.10% | 2.94% | 2.17% |
| Effective Personal Property Tax Rate | 0.00% | 0.20% | 0.50% | 0.00% | 0.00% | 0.00% | 0.00% | 0.75% | 0.50% | 0.75% | 0.25% | 0.00% | 0.00% |
| Firm Transportation Rate (Level for 2018 \$/mo per Dth/d) | \$22.94 | \$22.94 | \$36.17 | \$13.52 | \$22.66 | \$22.44 | \$23.52 | \$18.83 | \$14.79 | \$11.54 | \$6.18 | \$43.99 | \$46.37 |
| Avoided IT Rate (Level for 2018 \$/mo per Dth/d) | \$2.86 | \$2.85 | \$4.15 | \$1.39 | \$8.03 | \$9.01 | \$9.01 | \$2.02 | \$4.21 | \$3.30 | \$1.24 | \$10.90 | \$11.49 |
| Weighted Cost of Capital | 8.09% | 7.98% | 8.02% | 8.01% | 7.98% | 8.00% | 8.00% | 8.07% | 8.07% | 8.07% | 8.09% | 8.61% | 8.61% |
| Inventory Carrying Charge (level current \$) | 15.30% | 15.77% | 15.56% | 15.61% | 15.77% | 15.65% | 15.65% | 15.35% | 15.35% | 15.35% | 15.30% | 13.50% | 13.50% |
| Simple Cycle Plant Charge Rate (level current \$) | 13.01% | 13.19% | 13.11% | 13.13% | 13.19% | 13.15% | 13.15% | 13.03% | 13.03% | 13.03% | 13.01% | 11.60% | 11.60% |
| NOx Emission Reduction Credit Multiplier | 1.15 | 1.30 | 1.30 | 1.15 | 1.15 | 1.30 | 1.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Nominal ERC Price (2018\$ per ton/yr PTE) | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 |

Simple Cycle - Technology by Site

| Location | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 |
|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| <i>Nominal Capital \$MM for 2018 CO</i> | | | | | | | | | | | | | |
| Gas Turbine Scope | \$3.345 | \$3.345 | \$3.345 | \$3.345 | \$3.345 | \$3.345 | \$3.345 | \$4.400 | \$4.400 | \$4.400 | \$4.400 | \$4.400 | \$4.400 |
| Other major equipment | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$1.310 | \$1.310 | \$1.310 | \$1.310 | \$1.310 | \$1.310 |
| Other construction labor | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.867 | \$0.867 | \$0.867 | \$0.931 | \$1.547 | \$1.467 |
| Liquid Fuel, Demin water handling (Mat'l) | \$0.200 | \$0.200 | \$0.200 | \$0.200 | \$0.200 | \$0.200 | \$0.200 | \$1.000 | \$1.000 | \$1.000 | \$1.000 | \$1.000 | \$1.000 |
| Liquid Fuel, Demin water handling (Labor) | \$0.174 | \$0.166 | \$0.166 | \$0.163 | \$0.200 | \$0.195 | \$0.195 | \$0.867 | \$0.867 | \$0.867 | \$0.931 | \$1.547 | \$1.467 |
| Liquid fuel storage tank (Mat'l) | \$0.305 | \$0.305 | \$0.748 | \$0.349 | \$0.349 | \$0.305 | \$0.305 | \$0.427 | \$1.541 | \$1.541 | \$0.485 | \$0.485 | \$0.485 |
| Liquid fuel storage tank (Labor) | \$0.232 | \$0.222 | \$0.544 | \$0.249 | \$0.306 | \$0.261 | \$0.261 | \$0.249 | \$0.900 | \$0.900 | \$0.304 | \$0.505 | \$0.479 |
| Demin water storage tank (Mat'l) | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.655 | \$0.655 | \$0.655 | \$0.655 | \$0.655 | \$0.655 |
| Demin water storage tank (Labor) | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.383 | \$0.383 | \$0.383 | \$0.411 | \$0.682 | \$0.647 |
| Incremental Land for Tanks | \$0.050 | \$0.050 | \$0.050 | \$0.050 | \$0.050 | \$0.050 | \$0.050 | \$0.005 | \$0.005 | \$0.005 | \$0.005 | \$0.050 | \$0.025 |
| Startup Testing ULSD | \$2.966 | \$2.966 | \$2.964 | \$2.977 | \$2.966 | \$2.977 | \$3.009 | \$7.236 | \$7.138 | \$7.138 | \$7.306 | \$7.259 | \$7.421 |
| Startup Testing Energy Sales on ULSD | (\$0.614) | (\$0.670) | (\$0.670) | (\$0.663) | (\$0.656) | (\$0.670) | (\$0.670) | (\$1.266) | (\$1.219) | (\$1.266) | (\$1.232) | (\$1.071) | (\$1.073) |
| Emission Reduction Credits | \$0.161 | \$0.182 | \$0.182 | \$0.161 | \$0.161 | \$0.182 | \$0.182 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 |
| (Inventory carrying cost as O&M) | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 |
| Total Incremental Direct Cost | \$6.820 | \$6.767 | \$7.530 | \$6.831 | \$6.922 | \$6.846 | \$6.878 | \$16.134 | \$17.847 | \$17.800 | \$16.506 | \$18.369 | \$18.284 |
| Sales tax on equipment and materials | \$0.231 | \$0.221 | \$0.258 | \$0.000 | \$0.312 | \$0.270 | \$0.270 | \$0.429 | \$0.824 | \$0.868 | \$0.471 | \$1.021 | \$1.021 |
| EPC Fee | \$0.449 | \$0.446 | \$0.526 | \$0.431 | \$0.471 | \$0.458 | \$0.458 | \$1.059 | \$1.275 | \$1.279 | \$1.090 | \$1.315 | \$1.293 |
| EPC Contingency | \$0.494 | \$0.491 | \$0.579 | \$0.474 | \$0.518 | \$0.503 | \$0.503 | \$1.165 | \$1.402 | \$1.407 | \$1.199 | \$1.447 | \$1.422 |
| Development Cost | \$0.271 | \$0.270 | \$0.318 | \$0.261 | \$0.285 | \$0.277 | \$0.277 | \$0.641 | \$0.771 | \$0.774 | \$0.659 | \$0.796 | \$0.782 |
| Mobilization & Startup | \$0.054 | \$0.054 | \$0.064 | \$0.052 | \$0.057 | \$0.055 | \$0.055 | \$0.128 | \$0.154 | \$0.155 | \$0.132 | \$0.159 | \$0.156 |
| Non-fuel Inventories | \$0.027 | \$0.027 | \$0.032 | \$0.026 | \$0.029 | \$0.028 | \$0.028 | \$0.064 | \$0.077 | \$0.077 | \$0.066 | \$0.080 | \$0.078 |
| Owner's Contingency | \$0.238 | \$0.235 | \$0.236 | \$0.234 | \$0.235 | \$0.236 | \$0.239 | \$0.555 | \$0.554 | \$0.550 | \$0.565 | \$0.583 | \$0.595 |
| Financing Fees | \$0.206 | \$0.204 | \$0.229 | \$0.199 | \$0.212 | \$0.208 | \$0.209 | \$0.484 | \$0.550 | \$0.550 | \$0.497 | \$0.570 | \$0.567 |
| Indirect (factored) Costs | \$1.970 | \$1.948 | \$2.241 | \$1.677 | \$2.118 | \$2.035 | \$2.038 | \$4.524 | \$5.607 | \$5.660 | \$4.678 | \$5.970 | \$5.915 |
| Total Overnight Cost | \$8.790 | \$8.715 | \$9.771 | \$8.508 | \$9.040 | \$8.880 | \$8.916 | \$20.658 | \$23.454 | \$23.460 | \$21.184 | \$24.339 | \$24.199 |
| Total Installed Cost | \$9.194 | \$9.116 | \$10.220 | \$8.899 | \$9.456 | \$9.289 | \$9.326 | \$21.608 | \$24.533 | \$24.539 | \$22.159 | \$25.458 | \$25.313 |
| Installed Cost per kW of ICAP | \$45.70 | \$45.31 | \$50.80 | \$44.24 | \$47.00 | \$46.17 | \$46.36 | \$52.19 | \$59.26 | \$59.27 | \$53.52 | \$61.49 | \$61.14 |
| <i>Annual Fixed O&M Cost (2018 \$MM /yr)</i> | | | | | | | | | | | | | |
| Materials & Contract Services | \$0.010 | \$0.010 | \$0.010 | \$0.010 | \$0.011 | \$0.010 | \$0.010 | \$0.042 | \$0.042 | \$0.042 | \$0.043 | \$0.052 | \$0.050 |
| Administrative & General Expense | \$0.011 | \$0.011 | \$0.011 | \$0.011 | \$0.011 | \$0.011 | \$0.011 | \$0.045 | \$0.045 | \$0.045 | \$0.046 | \$0.056 | \$0.055 |
| ULSD for Regular Testing | \$0.618 | \$0.618 | \$0.617 | \$0.620 | \$0.618 | \$0.620 | \$0.627 | \$1.508 | \$1.487 | \$1.487 | \$1.522 | \$1.512 | \$1.546 |
| Energy Offset for Testing | (\$0.128) | (\$0.140) | (\$0.140) | (\$0.138) | (\$0.137) | (\$0.140) | (\$0.140) | (\$0.264) | (\$0.254) | (\$0.264) | (\$0.257) | (\$0.223) | (\$0.224) |
| Property Taxes | \$0.008 | \$0.029 | \$0.080 | \$0.008 | \$0.039 | \$0.016 | \$0.016 | \$0.164 | \$0.122 | \$0.209 | \$0.070 | \$0.097 | \$0.069 |
| Insurance | \$0.055 | \$0.055 | \$0.061 | \$0.053 | \$0.057 | \$0.056 | \$0.056 | \$0.130 | \$0.147 | \$0.147 | \$0.133 | \$0.153 | \$0.152 |
| ULSD Inventory Carrying Cost as Fixed O&M | \$0.164 | \$0.169 | \$0.432 | \$0.235 | \$0.236 | \$0.168 | \$0.170 | \$0.353 | \$1.739 | \$1.739 | \$0.443 | \$0.389 | \$0.397 |
| Total Fixed O&M (2018 \$MM/yr) | \$0.738 | \$0.752 | \$1.073 | \$0.798 | \$0.836 | \$0.742 | \$0.751 | \$1.977 | \$3.328 | \$3.405 | \$2.000 | \$2.035 | \$2.046 |
| Total Fixed O&M (2018 \$kW-yr) | \$3.67 | \$3.74 | \$5.33 | \$3.97 | \$4.15 | \$3.69 | \$3.73 | \$4.77 | \$8.04 | \$8.22 | \$4.83 | \$4.92 | \$4.94 |
| <i>Variable O&M Cost (2018 \$/MWh)</i> | | | | | | | | | | | | | |
| <i>On Natural Gas Fuel</i> | | | | | | | | | | | | | |
| Major Maintenance Materials | \$2.49 | \$2.49 | \$2.49 | \$2.49 | \$2.49 | \$2.49 | \$2.49 | \$1.26 | \$1.26 | \$1.26 | \$1.26 | \$1.26 | \$1.26 |
| Major Maintenance Labor | \$0.17 | \$0.17 | \$0.17 | \$0.16 | \$0.20 | \$0.19 | \$0.19 | \$0.35 | \$0.35 | \$0.35 | \$0.37 | \$0.62 | \$0.59 |
| Other (Catalyst, ammonia, water, etc.) | \$2.52 | \$2.52 | \$2.52 | \$2.52 | \$2.52 | \$2.52 | \$2.52 | \$1.89 | \$1.89 | \$1.89 | \$1.89 | \$1.89 | \$1.89 |
| Total - Natural Gas Fuel | \$5.18 | \$5.17 | \$5.17 | \$5.17 | \$5.20 | \$5.20 | \$5.20 | \$3.50 | \$3.50 | \$3.50 | \$3.52 | \$3.77 | \$3.74 |
| <i>On Liquid Fuel</i> | | | | | | | | | | | | | |
| Major Maintenance Materials | \$3.73 | \$3.73 | \$3.73 | \$3.73 | \$3.73 | \$3.73 | \$3.73 | \$1.89 | \$1.89 | \$1.89 | \$1.89 | \$1.89 | \$1.89 |
| Major Maintenance Labor | \$0.26 | \$0.25 | \$0.25 | \$0.24 | \$0.30 | \$0.29 | \$0.29 | \$0.52 | \$0.52 | \$0.52 | \$0.56 | \$0.93 | \$0.89 |
| Other (Catalyst, ammonia, water, etc.) | \$2.52 | \$2.52 | \$2.52 | \$2.52 | \$2.52 | \$2.52 | \$2.52 | \$1.89 | \$1.89 | \$1.89 | \$1.89 | \$1.89 | \$1.89 |
| Total - Liquid Fuel | \$6.51 | \$6.50 | \$6.50 | \$6.49 | \$6.55 | \$6.54 | \$6.54 | \$4.30 | \$4.30 | \$4.30 | \$4.34 | \$4.71 | \$4.66 |

Sums of amounts shown in columns may not match indicated total.

Simple Cycle - Technology by Site

| Location | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 |
|----------|----------------|-------|-----|----------|------|------------|------------|------------|---------|--------------|--------------|---------|------|
| | PJM | | | | | | | TVA | | | | IESO | |
| | Dominion North | PEPCO | BGE | Delmarva | PECO | PSEG North | PSEG South | Maury East | Colbert | Johnsonville | Summer Shade | Central | East |

Fuel Assurance Cost Comparison

(Levelized Current \$/kW-yr of ICAP for 2018 CO Date)

Firm Transportation for Natural Gas

| | | | | | | | | | | | | | |
|--|----------|----------|-----------|----------|-----------|-----------|-----------|----------|-----------|-----------|----------|-----------|-----------|
| FT Reservation Charge | \$64.59 | \$64.59 | \$101.82 | \$38.05 | \$63.80 | \$63.16 | \$66.21 | \$57.61 | \$45.25 | \$35.33 | \$18.90 | \$134.62 | \$141.89 |
| Avoided IT Charge | (\$8.04) | (\$8.04) | (\$11.68) | (\$3.92) | (\$22.61) | (\$25.37) | (\$25.36) | (\$6.19) | (\$12.89) | (\$10.11) | (\$3.80) | (\$33.36) | (\$35.16) |
| Net FT Cost | \$56.55 | \$56.55 | \$90.13 | \$34.14 | \$41.19 | \$37.79 | \$40.84 | \$51.42 | \$32.37 | \$25.22 | \$15.10 | \$101.25 | \$106.72 |
| <i>Dual-Fuel Capability</i> | \$56.55 | \$56.55 | \$90.13 | \$34.14 | \$41.19 | \$37.79 | \$40.84 | \$51.42 | \$32.37 | \$25.22 | \$15.10 | \$89.31 | \$95.88 |
| Capital Charges for Incremental Plant | \$5.95 | \$5.98 | \$6.66 | \$5.81 | \$6.20 | \$6.07 | \$6.09 | \$6.80 | \$7.72 | \$7.73 | \$6.96 | \$7.13 | \$7.09 |
| Carrying Charges on Fuel Inventory | \$0.81 | \$0.84 | \$2.15 | \$1.17 | \$1.17 | \$0.84 | \$0.84 | \$0.85 | \$4.20 | \$4.20 | \$1.07 | \$0.94 | \$0.96 |
| Incremental Fixed O&M (Excl. Fuel Inventory) | \$3.36 | \$3.42 | \$3.75 | \$3.30 | \$3.52 | \$3.37 | \$3.41 | \$4.62 | \$4.53 | \$4.74 | \$4.43 | \$4.67 | \$4.68 |
| Total | \$10.13 | \$10.24 | \$12.57 | \$10.28 | \$10.89 | \$10.27 | \$10.34 | \$12.28 | \$16.45 | \$16.67 | \$12.47 | \$12.75 | \$12.73 |