# Appendix A
# Generator Data

## Table A1. Generator Data Used in the Analysis

| Plant Name | Marginal Costs (Mills per Kilowatthour) | Fuel | Output of Real Power | | Output of Reactive Power | |
|---|---|---|---|---|---|---|
| | | | Minimum | Maximum | Minimum | Maximum |
| Colfax 1 | NA | NA | 0 | 48 | -12 | 19 |
| Colfax 1 | NA | NA | 0 | 27 | -7 | 11 |
| CRRRA | NA | NA | 0 | 57 | -36 | 30 |
| Enron 2 | NA | NA | 74 | 109 | -36 | 53 |
| Madison 1 | NA | NA | 0 | 106 | -16 | 55 |
| Madison 2 | NA | NA | 0 | 106 | -16 | 55 |
| Madison 3 | NA | NA | 0 | 95 | -33 | 52 |
| Dartmouth Power 1 | NA | Oil | 0 | 47 | -7 | 17 |
| Dartmouth Power 1 | NA | Oil | 0 | 21 | -3 | 8 |
| High Street Station 1 | NA | NG | 0 | 38 | 4 | 4 |
| High Street Station 1 | NA | NG | 0 | 42 | 10 | 10 |
| AES Thames | NA | Coal | 60 | 180 | 0 | 80 |
| Altresco 1 | NA | NG | 0 | 33 | 0 | 13 |
| Altresco 1 | NA | NG | 0 | 33 | 0 | 13 |
| Altresco 3 | NA | NG | 0 | 33 | 0 | 13 |
| Altresco 3 | NA | NG | 0 | 49 | 0 | 20 |
| Blackstone | NA | NA | 0 | 70 | -25 | 47 |
| Bellingham 1 | NA | NG | 34 | 82 | 0 | 40 |
| Bellingham 1 | NA | NA | 34 | 82 | 0 | 40 |
| Bellingham 3 | NA | NA | 47 | 113 | 0 | 55 |
| Obrien 1 | NA | NA | 0 | 20 | -12 | 14 |
| Obrien 1 | NA | NA | 0 | 20 | -12 | 14 |
| Obrien 1 | NA | NA | 0 | 14 | 0 | 1 |
| Rumford C | NA | Coal | 0 | 112 | 0 | 50 |
| SEMASS Re | NA | NA | 0 | 70 | -5 | 25 |
| Bear Swamp 1 | 0.00 | WAT-PP | -300 | 282 | 0 | 130 |
| Bear Swamp 2 | 0.00 | WAT-PP | -300 | 282 | 0 | 130 |
| Northfield Mountain 1 | 0.00 | WAT | -250 | 270 | -52 | 100 |
| Northfield Mountain 1 | 0.00 | WAT | -250 | 270 | -52 | 100 |
| Northfield Mountain 3 | 0.00 | WAT | -250 | 270 | -52 | 100 |
| Northfield Mountain 3 | 0.00 | WAT | -250 | 270 | -52 | 100 |
| Vermont Yankee | 4.17 | Nuclear | 0 | 496 | -100 | 150 |
| Pilgrim | 4.49 | Nuclear | 402 | 670 | -100 | 340 |
| Maine Yankee | 5.13 | Nuclear | 0 | 910 | 0 | 220 |
| Haddam Neck | 5.21 | Nuclear | 339 | 565 | -95 | 290 |
| Millstone 3 | 5.26 | Nuclear | 682 | 1,146 | 0 | 550 |
| Seabrook | 5.76 | Nuclear | 690 | 1,150 | -100 | 590 |
| Millstone 1 | 7.10 | Nuclear | 391 | 652 | -50 | 275 |
| Millstone 2 | 7.10 | Nuclear | 518 | 862 | -60 | 470 |
| Stony Brook 1 | 15.43 | NG | 0 | 86 | -9 | 70 |
| Merrimack 1 | 16.91 | Coal | 30 | 113 | -10 | 53 |
| Merrimack 2 | 16.91 | Coal | 120 | 320 | -30 | 150 |
| Stony Brook 1 | 17.26 | NG | 0 | 65 | -8 | 59 |
| Stony Brook 1 | 17.26 | NG | 0 | 65 | -8 | 59 |
| Mount Tom | 18.29 | Coal | 60 | 146 | -24 | 30 |

See notes at end of table.

**Table A1. Generator Data Used in the Analysis (Continued)**

| Plant Name | Marginal Costs (Mills per Kilowatthour) | Fuel | Output of Real Power | | Output of Reactive Power | |
|---|---|---|---|---|---|---|
| | | | Minimum | Maximum | Minimum | Maximum |
| Ocean Station 1 . . . . . | 19.06 | NG | 0 | 77 | 0 | 38 |
| Ocean Station 2 . . . . . | 19.06 | NG | 0 | 77 | 0 | 38 |
| Ocean Station 3 . . . . . | 19.06 | NG | 0 | 108 | 0 | 52 |
| Ocean Station 4 . . . . . | 19.06 | NG | 0 | 77 | 0 | 38 |
| Ocean Station 5 . . . . . | 19.06 | NG | 0 | 77 | 0 | 38 |
| Ocean Station 6 . . . . . | 19.06 | NG | 0 | 108 | 0 | 52 |
| Bridgeport Harbor 1 . . . | 19.55 | NG | 34 | 170 | -17 | 115 |
| Bridgeport Harbor 2 . . . | 19.55 | NG | 130 | 375 | -35 | 220 |
| Brayton Point 5 . . . . . | 20.59 | Coal/NG | 350 | 585 | -140 | 275 |
| Brayton Point 6 . . . . . | 20.59 | Coal/NG | 100 | 421 | -45 | 250 |
| Brayton Point 1 . . . . . | 20.59 | Coal/NG | 64 | 140 | -23 | 64 |
| Brayton Point 1 . . . . . | 20.59 | Coal/NG | 46 | 101 | -16 | 47 |
| Brayton Point 1 . . . . . | 20.59 | Coal/NG | 64 | 140 | -20 | 64 |
| Brayton Point 1 . . . . . | 20.59 | Coal/NG | 46 | 101 | -15 | 47 |
| Mystic . . . . . | 22.04 | NG | 100 | 565 | -150 | 335 |
| Somerset . . . . . | 22.20 | NG | 35 | 105 | 0 | 86 |
| Potter Station 1 . . . . . | 23.02 | NG | 20 | 76 | -10 | 40 |
| Potter Station 1 . . . . . | 23.02 | NG | 4 | 13 | 0 | 2 |
| New Haven Harbor . . . | 23.30 | NG | 120 | 447 | 0 | 175 |
| New Boston 1 . . . . . | 24.17 | NG | 100 | 205 | -26 | 119 |
| New Boston 1 . . . . . | 24.17 | NG | 85 | 175 | -22 | 101 |
| New Boston 3 . . . . . | 24.17 | NG | 185 | 380 | -50 | 230 |
| Canal 1 . . . . . | 25.53 | Oil | 0 | 566 | 0 | 239 |
| Salem Harbor 1 . . . . . | 25.87 | Coal | 35 | 79 | -24 | 20 |
| Salem Harbor 2 . . . . . | 25.87 | Coal | 35 | 78 | -14 | 38 |
| Salem Harbor 3 . . . . . | 25.87 | Coal | 60 | 143 | -36 | 38 |
| Salem Harbor 4 . . . . . | 25.87 | Coal | 100 | 400 | -160 | 280 |
| West Springfield . . . . . | 26.01 | NG | 20 | 107 | -37 | 52 |
| Canal 2 . . . . . | 26.11 | Oil | 0 | 576 | -50 | 120 |
| William F. Wyman . . . . | 27.22 | Oil | 0 | 615 | -215 | 267 |
| Norwalk Harbor 1 . . . . | 28.64 | Oil | 40 | 162 | -13 | 80 |
| Norwalk Harbor 2 . . . . | 28.64 | Oil | 40 | 168 | -12 | 60 |
| Middletown 3 . . . . . | 30.68 | Oil | 95 | 233 | -28 | 90 |
| Cleary Flood . . . . . | 32.52 | NG | 35 | 85 | 0 | 52 |
| Montville 5 . . . . . | 32.63 | Oil | 21 | 81 | 0 | 40 |
| Stony Brook 1 . . . . . | 45.79 | Oil | 0 | 65 | -8 | 59 |
| Stony Brook 1 . . . . . | 45.79 | Oil | 0 | 65 | -10 | 20 |
| Stony Brook 1 . . . . . | 45.79 | Oil | 0 | 65 | -10 | 20 |
| J.C. McNeil 1 . . . . . | 74.21 | Wood | 0 | 47 | -9 | 9 |
| J.C. McNeil 1 . . . . . | 74.21 | Wood | 0 | 11 | 0 | 0 |

NA = not available. NG = natural gas. WAT = hydroelectric. WAT-PP = hydroelectric pumped storage.

Note: The cost data reported on FERC Form 1 are at the plant level, and the FERC Form 715 data are at the unit level. Whenever the Form 1 data indicated the use of oil and natural gas, it was assumed that all units used natural gas.

Source: Energy Information Administration, Office of Integrated Analysis and Forecasting.