

Electric Reliability Risk Index™

Electric Reliability Risk Index = (Percent Net Electricity Imports) + (Percent Generation Using Imported Natural Gas)

| Risk Rank | State | Electricity Consumed in 2015 (GW Hour) | Electricity Energy Sources & Imports (Exports) Total to 100% | | | | | | | Imported Gas Risk Factors | | Electric Reliability Risk Index (ERRI) |
|-----------|----------------|--|--|---------|----------------------------|--------------|-------------|--------------------------|-----------------------------------|---------------------------------|---|--|
| | | | Coal | Nuclear | Hydroelectric & Geothermal | Wind & Solar | Natural Gas | All Other Energy Sources | Net Electricity Imports (Exports) | Percent of Natural Gas Imported | Electricity Generation Using Imported Natural Gas | |
| 1 | Washington DC | 12,099 | 0% | 0% | 0% | 0% | 0% | 0% | 100% | 100% | 0% | 100% |
| 2 | Rhode Island | 8,200 | 0% | 0% | 0% | 0% | 80% | 4% | 15% | 100% | 80% | 96% |
| 3 | Delaware | 13,016 | 5% | 0% | 0% | 0% | 51% | 4% | 40% | 100% | 51% | 91% |
| 4 | Massachusetts | 59,367 | 4% | 8% | 1% | 1% | 35% | 4% | 46% | 100% | 35% | 81% |
| 5 | Nevada | 38,479 | 7% | 0% | 14% | 5% | 75% | 0% | (1%) | 100% | 75% | 74% |
| 6 | California | 289,703 | 0% | 6% | 9% | 9% | 40% | 3% | 32% | 90% | 36% | 68% |
| 7 | Florida | 256,344 | 17% | 11% | 0% | 0% | 61% | 4% | 7% | 100% | 61% | 68% |
| 8 | Vermont | 5,885 | 0% | 0% | 19% | 6% | 0% | 8% | 66% | 100% | 0% | 66% |
| 9 | New Jersey | 81,931 | 2% | 41% | 0% | 1% | 45% | 2% | 9% | 100% | 45% | 54% |
| 10 | Mississippi | 53,713 | 12% | 22% | 0% | 0% | 84% | 3% | (21%) | 89% | 75% | 54% |
| 11 | Idaho | 25,195 | 0% | 0% | 35% | 9% | 15% | 3% | 38% | 100% | 15% | 53% |
| 12 | Maryland | 66,596 | 21% | 22% | 2% | 1% | 7% | 2% | 45% | 100% | 7% | 52% |
| 13 | Virginia | 122,050 | 14% | 23% | 1% | 0% | 27% | 4% | 31% | 74% | 20% | 51% |
| 14 | New York | 160,285 | 1% | 28% | 16% | 3% | 36% | 3% | 14% | 99% | 35% | 49% |
| 15 | Georgia | 149,991 | 25% | 23% | 2% | 0% | 34% | 3% | 14% | 100% | 34% | 48% |
| 16 | Maine | 15,080 | 1% | 0% | 22% | 9% | 20% | 27% | 22% | 100% | 20% | 42% |
| 17 | Tennessee | 108,649 | 28% | 23% | 9% | 0% | 9% | 1% | 31% | 99% | 8% | 39% |
| 18 | Connecticut | 32,236 | 2% | 54% | 1% | 0% | 54% | 6% | (16%) | 100% | 54% | 38% |
| 19 | North Carolina | 144,868 | 28% | 29% | 3% | 1% | 25% | 3% | 11% | 100% | 25% | 37% |
| 20 | Minnesota | 72,066 | 34% | 17% | 1% | 14% | 10% | 3% | 21% | 100% | 10% | 31% |
| 21 | South Dakota | 12,891 | 12% | 0% | 38% | 19% | 6% | 0% | 25% | 82% | 5% | 30% |
| 22 | Wisconsin | 75,144 | 49% | 13% | 3% | 2% | 18% | 2% | 12% | 100% | 18% | 30% |
| 23 | Indiana | 119,679 | 65% | 0% | 0% | 4% | 14% | 4% | 13% | 99% | 13% | 27% |
| 24 | Ohio | 160,138 | 45% | 11% | 0% | 1% | 18% | 2% | 24% | 0% | 0% | 24% |
| 25 | Oregon | 50,972 | 5% | 0% | 62% | 13% | 32% | 2% | (14%) | 100% | 32% | 18% |
| 26 | Michigan | 111,249 | 48% | 26% | 1% | 4% | 18% | 4% | (2%) | 87% | 16% | 14% |
| 27 | South Carolina | 88,940 | 25% | 60% | 3% | 0% | 19% | 2% | (9%) | 100% | 19% | 10% |
| 28 | Missouri | 87,084 | 75% | 12% | 2% | 1% | 5% | 1% | 4% | 100% | 5% | 9% |
| 29 | Colorado | 57,716 | 55% | 0% | 3% | 13% | 20% | 0% | 9% | 0% | 0% | 9% |
| 30 | Louisiana | 118,461 | 13% | 13% | 1% | 0% | 56% | 9% | 9% | 0% | 0% | 9% |
| 31 | Arizona | 82,607 | 44% | 39% | 8% | 5% | 41% | 0% | (37%) | 100% | 41% | 4% |
| 32 | Kentucky | 81,383 | 89% | 0% | 4% | 0% | 7% | 2% | (3%) | 68% | 5% | 2% |
| 33 | Texas | 454,024 | 27% | 9% | 0% | 10% | 52% | 1% | 1% | 0% | 0% | 1% |
| 34 | Washington | 96,939 | 5% | 8% | 76% | 7% | 13% | 3% | (13%) | 100% | 13% | 1% |
| 35 | Alaska | 6,285 | 11% | 0% | 25% | 3% | 49% | 13% | 0% | 0% | 0% | 0% |
| 36 | Hawaii | 10,120 | 13% | 0% | 3% | 7% | 0% | 77% | 0% | 100% | 0% | 0% |
| 37 | Iowa | 52,653 | 57% | 10% | 2% | 34% | 5% | 1% | (8%) | 100% | 5% | -3% |
| 38 | Kansas | 42,492 | 58% | 20% | 0% | 26% | 3% | 0% | (7%) | 0% | 0% | -7% |
| 39 | Arkansas | 50,605 | 43% | 27% | 7% | 0% | 29% | 3% | (10%) | 0% | 0% | -10% |
| 40 | Alabama | 99,188 | 42% | 42% | 10% | 0% | 56% | 3% | (54%) | 75% | 42% | -11% |
| 41 | Oklahoma | 66,618 | 37% | 0% | 4% | 21% | 51% | 0% | (14%) | 0% | 0% | -14% |
| 42 | New Hampshire | 11,837 | 8% | 80% | 11% | 4% | 51% | 16% | (69%) | 100% | 51% | -18% |
| 43 | Illinois | 151,701 | 49% | 64% | 0% | 7% | 7% | 1% | (28%) | 100% | 7% | -21% |
| 44 | Nebraska | 31,899 | 76% | 32% | 5% | 10% | 1% | 0% | (25%) | 100% | 1% | -24% |
| 45 | Utah | 33,370 | 95% | 0% | 4% | 2% | 25% | 1% | (26%) | 0% | 0% | -26% |
| 46 | New Mexico | 24,777 | 82% | 0% | 0% | 11% | 38% | 0% | (32%) | 0% | 0% | -32% |
| 47 | Pennsylvania | 160,210 | 40% | 50% | 2% | 2% | 37% | 2% | (34%) | 0% | 0% | -34% |
| 48 | North Dakota | 19,494 | 142% | 0% | 11% | 33% | 4% | 1% | (91%) | 0% | 0% | -91% |
| 49 | Montana | 15,234 | 105% | 0% | 65% | 13% | 4% | 5% | (92%) | 22% | 1% | -91% |
| 50 | West Virginia | 35,067 | 194% | 0% | 4% | 4% | 4% | 0% | (106%) | 0% | 0% | -106% |
| 51 | Wyoming | 19,549 | 220% | 0% | 4% | 19% | 4% | 3% | (150%) | 0% | 0% | -150% |

Sources: U.S. Energy Information Administration 2015 State Electricity Profiles & Natural Gas Annual; Foundation for Resilient Societies Analysis

Notes:

- "Electricity Consumed" = EIA "Net Generation" plus (International Imports-International Exports) minus "Net Interstate Transfers"
- Electricity Energy Sources & Imports (Exports) for individual states total to 100%.
- "All Other Energy Sources" includes petroleum for Hawaii and Alaska and wood for Maine.
- "Percent of Natural Gas Imported" = EIA "Consumption" minus "Marketed Prod." divided by "Consumption," up to a maximum of 100%.
- "Generation Using Imported Natural Gas" = "Natural Gas" times "Percent of Natural Gas Imported."
- ERRI is rounded to the nearest percent.