

Electric Reliability Risk Index™

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

Risk Rank	State	Electricity Consumed in 2012 (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	12,056	0%	0%	0%	0%	1%	0%	99%	100%	1%	100%
2	Rhode Island	8,311	0%	0%	0%	0%	98%	1%	0%	100%	98%	99%
3	Delaware	13,069	11%	0%	0%	0%	52%	3%	34%	100%	52%	86%
4	Massachusetts	60,970	4%	10%	1%	0%	40%	4%	41%	100%	40%	81%
5	Nevada	37,753	11%	0%	13%	2%	68%	0%	7%	100%	68%	75%
6	Florida	241,551	18%	7%	0%	0%	62%	4%	8%	99%	61%	70%
7	California	288,660	0%	6%	14%	4%	41%	3%	31%	90%	37%	68%
8	Mississippi	53,694	13%	14%	0%	0%	72%	3%	(2%)	87%	62%	60%
9	New Jersey	81,548	2%	41%	0%	0%	35%	2%	20%	100%	35%	55%
10	Virginia	117,507	12%	24%	1%	0%	21%	1%	40%	64%	14%	54%
11	Maryland	66,897	24%	20%	2%	1%	7%	2%	43%	100%	7%	51%
12	New York	154,993	3%	26%	16%	2%	38%	2%	12%	98%	38%	50%
13	Idaho	25,982	0%	0%	42%	7%	7%	2%	40%	100%	7%	48%
14	Georgia	145,206	28%	23%	2%	0%	29%	2%	16%	100%	29%	45%
15	Maine	15,235	0%	0%	25%	6%	40%	24%	5%	100%	40%	45%
16	Connecticut	32,367	2%	53%	1%	0%	51%	5%	(12%)	100%	51%	40%
17	Minnesota	73,826	31%	16%	1%	10%	10%	3%	29%	100%	10%	39%
18	Tennessee	105,669	34%	24%	8%	0%	8%	1%	26%	98%	7%	34%
19	Ohio	164,703	52%	10%	0%	1%	14%	2%	21%	90%	12%	34%
20	Wisconsin	75,898	43%	19%	2%	2%	15%	3%	16%	100%	15%	31%
21	North Carolina	139,314	37%	28%	3%	0%	14%	2%	16%	100%	14%	30%
22	Michigan	114,607	46%	24%	1%	1%	19%	3%	6%	84%	16%	21%
23	Indiana	120,963	76%	0%	0%	3%	12%	3%	5%	99%	12%	17%
24	Colorado	57,537	60%	0%	3%	11%	18%	0%	9%	0%	0%	9%
25	Kentucky	95,623	87%	0%	2%	0%	3%	2%	6%	53%	2%	8%
26	Louisiana	111,402	19%	14%	1%	0%	53%	6%	7%	0%	0%	7%
27	South Dakota	12,565	23%	0%	48%	23%	2%	0%	4%	79%	1%	6%
28	South Carolina	85,594	33%	60%	2%	0%	17%	2%	(13%)	100%	17%	4%
29	Missouri	88,500	82%	12%	1%	1%	7%	0%	(4%)	100%	7%	3%
30	Oregon	50,627	5%	0%	78%	13%	23%	2%	(20%)	100%	23%	3%
31	Arizona	80,717	50%	40%	8%	2%	38%	0%	(37%)	100%	38%	0%
32	Alaska	6,948	10%	0%	23%	1%	52%	15%	0%	0%	0%	0%
33	Hawaii	10,469	15%	0%	4%	4%	0%	78%	0%	100%	0%	0%
34	Nebraska	33,452	75%	17%	4%	4%	2%	0%	(2%)	99%	2%	0%
35	Texas	425,292	32%	9%	0%	8%	50%	2%	(1%)	0%	0%	-1%
36	Kansas	43,213	65%	19%	0%	12%	7%	0%	(3%)	0%	0%	-3%
37	New Hampshire	11,735	11%	70%	11%	2%	60%	11%	(64%)	100%	60%	-4%
38	Iowa	51,476	69%	8%	1%	27%	4%	1%	(10%)	100%	4%	-6%
39	Vermont	5,905	0%	84%	19%	2%	0%	6%	(11%)	100%	0%	-11%
40	Washington	99,691	4%	9%	90%	7%	5%	2%	(17%)	100%	5%	-12%
41	Alabama	97,570	47%	42%	8%	0%	57%	3%	(57%)	68%	39%	-18%
42	Illinois	157,343	51%	61%	0%	5%	7%	1%	(26%)	100%	7%	-18%
43	Utah	32,946	93%	0%	3%	2%	20%	1%	(20%)	0%	0%	-20%
44	Oklahoma	64,430	45%	0%	2%	13%	61%	0%	(21%)	0%	0%	-21%
45	Arkansas	52,156	55%	30%	4%	0%	33%	3%	(25%)	0%	0%	-25%
46	Pennsylvania	158,651	55%	47%	1%	1%	33%	2%	(41%)	0%	0%	-41%
47	New Mexico	24,949	100%	0%	1%	10%	35%	0%	(47%)	0%	0%	-47%
48	Montana	14,854	94%	0%	76%	8%	3%	5%	(87%)	9%	0%	-87%
49	West Virginia	33,494	210%	0%	4%	4%	1%	1%	(119%)	0%	0%	-119%
50	North Dakota	15,925	177%	0%	16%	33%	0%	1%	(127%)	0%	0%	-127%
51	Wyoming	19,455	223%	0%	5%	22%	3%	2%	(155%)	0%	0%	-155%

Sources: U.S. Energy Information Administration 2012 State Electricity Profiles & Natural Gas Annual; Foundation for Resilient Societies Analysis

Notes:

- "Electricity Consumed" = EIA "Net Generation" plus (International Imports-International Exports) minus EIA "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 EIA "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.