

## Everyone is Unhappy A Report by the Board of the Ohio Consumers' Counsel January 19, 2016

We now live in the Age of Electricity. In a manner similar to the previous Ages of Mankind, Stone, Bronze, Iron and Industrial, electricity is a key aspect of all our lives. It keeps us warm in the winter (even natural gas furnaces require a blower to distribute the air), makes the latitudes below the 35<sup>th</sup> parallel north habitable in the summer, and provides the current to keep our communications current. But increasingly all across Ohio, and indeed America, many are unhappy with the electrical system. Consumers, businesses, industrial users and even the investor owned utilities (IOUs) and their shareholders are unhappy.

For the past year, the Governing Board of the Ohio Consumers' Counsel has been looking at the state of the investor-owned utilities' (IOUs) electrical system for serving Ohioans. Nothing has been pre-conceived, and nothing has been off the table. The following report is a starting point for further discussion.

The mood of the country is anything but upbeat right now. And that mood is reflected in how the state of Ohio's investor-owned electrical industry is viewed by customers and by the industry itself and others.

First to the customers: thirty-two states have cheaper electricity for residential consumers than Ohio. Some of these are understandable, such as Washington and Idaho, as they have far more options for less expensive hydroelectric power where the infrastructure was developed and has been paid for decades ago. See Chart 1.

Yet, other states that rely on their fossil fuel resources, like Ohio, manage to have significantly less expensive electricity for their consumers than Ohio. As shown in

Chart 1, West Virginia's 9.33 cents and Louisiana's 9.49 cents per kilowatt hour (Kwh) are nearly 25 percent less expensive than Ohio's 12.38 average cents/Kwh for consumers.

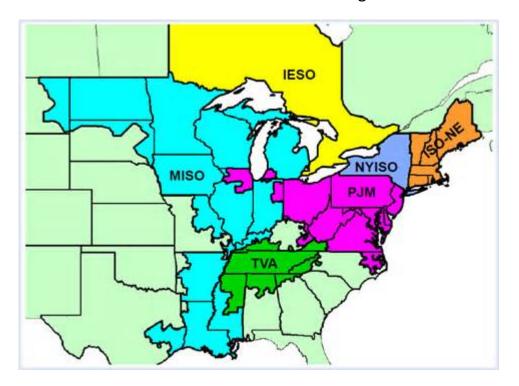
Some may suggest that pressures to increase the share of electricity generated by renewable sources are responsible for Ohio's higher costs. However, solar and wind generation currently produce less than two percent of Ohio's electricity. Iowa, Colorado and North Dakota are heavily dependent on coal, like Ohio. Those states generate 29 percent, 11.5 percent and 17 percent respectively from wind, solar and related renewable resources, and all have cheaper electricity for consumers than Ohio. (See Copy of EIA-Net Generation by State by Energy Source Summary 2014.xls in the Addendum.)

It is fair to point out that the considerable variation in the electric generation fuel profiles among the states yield interesting data regarding the impact of various fuels. For example, Hawaii's extraordinarily high costs reflect their high import costs for the petroleum and coal on which they depend. And Texas, with its relatively large natural gas resources significantly reducing its need for coal, has costs about 10 percent below Ohio's. See

http://apps1.eere.energy.gov/states/renewable\_energy.cfm/state=IA#wind http://www.puco.ohio.gov/puco/?LinkServID=07FEA955-9818-B02E-9006A6E6834F7BA6#sthash.ZfveQbUM.iKWk6VVX.dpbs

Clearly, factors other than fuel sources and costs affect the prices consumers pay. Some states, such as Texas, operate under a single state regional system. This limits its ability to respond to sudden needs or slowdowns in electrical demand. Ohio, along with all or parts of 12 other states and the District of Columbia, operates under the auspices of PJM Interconnection, L.L.C., a regional transmission organization, combining the various generation capabilities of 32 electric distribution utility companies. Stretching from the Chesapeake Bay to Lake Michigan and the border of

lowa, PJM's multiple suppliers, differing weather patterns and even time zones should moderate and even-out electrical usage and costs.



So, what is going on here? Let's take a look at Chart 2, which shows the rate of increase of electrical rates in those states that have adopted some form of deregulation. Of all the states, our rate of cost increase stands alone as the highest.

Chart 3 is attached, showing AEP's own data placing Ohio consumers at the highest electric rate and profit for AEP in the states in AEP's territory. Could it be that AEP has Ohioans potentially subsidizing the citizens of other states? What does this mean for Ohio consumers in the near future as these trends continue?

How unhappy are the investor-owned utilities, the IOUs? Seemingly very unhappy; the previous head of FirstEnergy gave a speech a couple of years ago bemoaning the new era he found himself in; longing for the good old days of regulation. It was a full-throated roar for the previous status quo.

https://www.firstenergycorp.com/content/fecorp/newsroom/featured\_stories/AJA-Chamber-Speech.html

One quote from Tony Alexander's speech stands out: "But quite frankly, the challenges we now face from government interference in the electric business are far more intrusive and disruptive, and I believe far more significant to our industry's future, and to your future. That's because whether it impacts our traditional regulated business or our competitive operations, government policy is now aimed at stifling the growth and use of electricity – and picking winners and losers in the competitive marketplace."

This statement ignores the role technology has played in changing the electrical landscape, and the very structure of the electrical system in America has for over a hundred years had governmental interference, largely at the request of the investor-owned electric utilities. In this regard, Ohio's 2008 energy law (Senate Bill 221) has ratemaking terms that favor electric utilities and disfavor Ohio consumers, resulting in higher electric rates. Remember, it was a hundred years ago that independent generators and distributors would service a city, having lines crisscrossing and zigzagging around town, with costs high and customer satisfaction low. What has been lost is the perspective that the IOUs were formed to have a regulated monopoly and to serve the citizens and their businesses; they were not formed to serve themselves.

The tradeoffs for the electric utilities involved the granting of a monopoly subject to economic regulation, with a set return for profit on investments, and the duty to serve consumers. There has been no free market for electricity in America for over a hundred years. If the utilities were really free market companies they would be seeking to open up territories for distribution competition; they are not. Even in Ohio, in a modestly free market environment, that option has never been on the table.

But what is the free market saying about the investor-owned electric utilities and their service to consumers? In a famous article in the Wall Street Journal it forecast the utilities marching toward a "Death Spiral" that once begun, like the event horizon surrounding a black hole, cannot be escaped.

What is this death spiral? In short, current costs are spread around throughout the whole electrical system. Utilities have incurred debt to finance very expensive generating plants, wires, poles, transformers and the like to create and move electrons. As Einstein did, let's play an imaginative mind game. Just pretend that residents and companies that comprise the service territory of an investor-owned electrical company decide one morning to institute efficiencies and other subtle changes. Everyone trades in incandescent light bulbs for LEDs. In 2012, about 49 million LEDs were installed in the U.S., saving about \$675 million in annual energy costs. If everyone changed to LEDs over the next two decades, this could save the U.S. \$250 billion in energy costs and reduce electric consumption for lighting by nearly 50%. Now multiply that by the commercial and industrial sector looking for cost savings. (Industry, commercial and residential uses all tend to cluster at about a third each.) http://apps1.eere.energy.gov/states/electricity\_generation.cfm/state=OH

This will put more pressure on the utilities to raise their rates to consumers, so they have the income to pay debt. In turn this means more push by consumers for cost savings. If this continues, and as a variation of Moore's Law applies to renewable energy technology costs, more companies and then consumers begin to engage in distributed generation, either through solar cells, wind, waste heat recovery or on site natural gas driven generation combined with various forms of new electric storage technologies. As less electricity is used, then of course the price goes up for the remaining customers to pay for already incurred fixed costs. At some point in time, according to speculation by some industry watchers, the IOUs might not be able

to keep up, and go into the aforementioned death spiral, of higher prices driving more users to alternative means. The electric grid could be placed under considerable stress; this is not a good thing as those lowest on the economic food chain will be the last and least able to adapt.

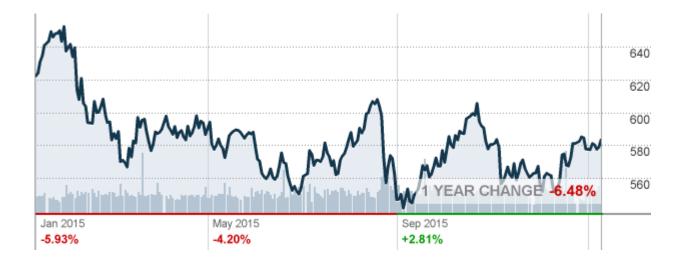
Forbes Magazine has covered this story

http://www.forbes.com/sites/jeffmcmahon/2014/02/04/utilities-want-regulatory-rescue-from-death-spiral/, and Morning Star Investments has issued warnings to investors to be cautious with many electric IOUs.

http://www.morningstar.com/cover/videocenter.aspx?id=641194

However, there is not universal acclaim for the death spiral theory http://www.forbes.com/sites/jeffmcmahon/2014/02/04/utilities-want-regulatory-rescue-from-death-spiral/ The claim can be made that the industry has faced changes before, as in the replacement of natural gas street lamps with electric street lights almost a century ago. But, at least for Ohio, this overlooks the fact that natural gas is surprisingly non-fungible; it can only be moved through a rather limited number of pipelines. Currently, and projected for a generation to come, Ohio will be producing much more natural gas than needed. While some environmentalists view the idea of a sea of solar panels bringing the investor-owned utilities to bankruptcy as a golden era, it is much more likely that in the near term, on-site generation, especially during peak times, by natural gas powered generators and capturing waste heat is the more likely scenario.

As a result of this uncertainty, the investor-owned electric utilities are experiencing drops in stock prices. http://money.cnn.com/data/markets/dowutil/



This decline in stock price makes it more difficult for IOUs to gain financing for changes and reforms. In turn, the IOUs are seeking bail-outs subsidized by consumers, or to paraphrase Milton Freidman, "rent seeking," through devices such as power purchase agreements, or PPAs. This rent seeking leads to increasing their wealth but without increasing the GDP. That is, the electric utilities are taking money from the consumer by seeking various schemes at the PUCO to increase their solvency in the short term (including by asking government to layer regulatory charges above market prices). Perhaps the utilities do this under the belief there is no long term in their industry. Whether or not that belief is founded, it is, in the words of one industry watcher from the fossil fuel industry, the "eight hundred pound gorilla in the room no one wants to talk about."

So what to do? Consumers have grounds to be unhappy, commerce and business have grounds to be unhappy, and utility executives and stockholders have grounds to be unhappy. In fact, they all might have grounds to be very unhappy in the future, if some analysts are correct and the IOUs plunge into a death spiral.

Where is the Governor's office? It seems to be watching the trends carefully, but making no sudden moves.

Where is the General Assembly? Growing increasingly concerned, but unsure of what is actually happening and who the main actors are, or villains, or heroes, if any, and at the urging of IOU lobbyists, going after the renewable industry, which is a minor player in this kabuki dance.

In addition, there are now a variety of energy marketers and other free market energy jobbers who are jabbing at the IOUs, sometimes offering electrons to consumers for less money, and undercutting the business model that stood for a hundred years. "Smart metering" is on the horizon where various technologies may have an impact on demand.

So, why can't this problem be fixed readily?

Much of the problem is perceptual blindness. In short, this just can't be happening.

The story goes that when Captain Cook arrived on the shores of Australia in 1770, the natives simply could not see the ship anchored in the bay. The ship was so far removed from their understanding, it was not until a shaman, by pointing at the ship's reflection on the water, created a situation where the Aborigines could look up and actually see the vessel.

This is called perceptual blindness. It occurs when what is happening in front of people is so outside their realm of everyday life and possibility, that they simply reject it.

Perceptual blindness is happening right now regarding the investor-owned electric utilities.

So how to fix it, including for consumers? First, there has to be a recognition of a problem; the problem is how we currently regulate this industry. There can be no other explanation as to why consumers' electric costs are so very high when compared to all the gifts Ohio has inherited.

How to get to a solution? Unfortunately the best tool in this case is yet another task force, but this time, the mere creation of it is an affirmation of the existence of the problem. In Ohio, this is progress.

How much time do we have? Experts believe the system will start to show serious stresses by 2017, 2018 by the latest, so time is of the essence.

Either we can take action or consumers will end up about as well off as the Aborigines did after Cook sailed to Australia.

The proposed task force will not directly fix anything, but it will begin the process to get everyone to the table to at least admit there is a problem, and the problem should be solved jointly.

SECTION 1. (A) There is hereby created the Legislative Task Force to Study Reforms in Electric Utility Law in the State. The Task Force shall consist of the following fifteen members:

- (1) Three members of the House of Representatives, appointed by the Speaker of the House of Representatives in consultation with the Minority Leader of the House of Representatives. The Speaker of the House of Representatives shall designate one of the members the Speaker appoints to serve as co-chairperson of the Task Force.
- (2) Three members of the Senate, appointed by the President of the Senate in consultation with the Minority Leader of the Senate. The President of the Senate shall designate one of the members the President appoints to serve as co-chairperson of the Task Force.
- (3) The Chair of the Public Utilities Commission of Ohio;
- (4) One member representing the agricultural industry in the state appointed by the Speaker of the House;

- (5) One member representing large utility users appointed by the President of the Senate;
- (6) One member representing electric utilities in the state, appointed by the Governor;
- (7) One member representing the publicly owned utilities in the state, appointed by the Governor;
- (10) One member who shall be a professor who is knowledgeable on the issues confronting the Task Force, appointed by the Chancellor of the Board of Regents;
- (11) The Ohio Consumers' Counsel;
- (12) The Director of the Development Services Agency or the Director's designee;
- (13) One member representing the Attorney General of Ohio;
- (B) Appointments to the Task Force shall be made not later than thirty days after the effective date of this section. Any vacancy in the membership of the Task Force shall be filled in the same manner as the original appointment. Members of the Task Force shall serve without compensation.
- (C)(1) The Task Force shall study each of the following:
- (a) The current state of electric utility law in Ohio and any reforms needed;
- (b) How the changes in technology have impacted electric consumers and electric utilities for serving the public good in Ohio and to consider reforms if needed;
- (c) The overall impact of state laws governing the electric utilities on economic development, consumers, and governments in Ohio.
- (2) The Task Force shall prepare and submit to the General Assembly

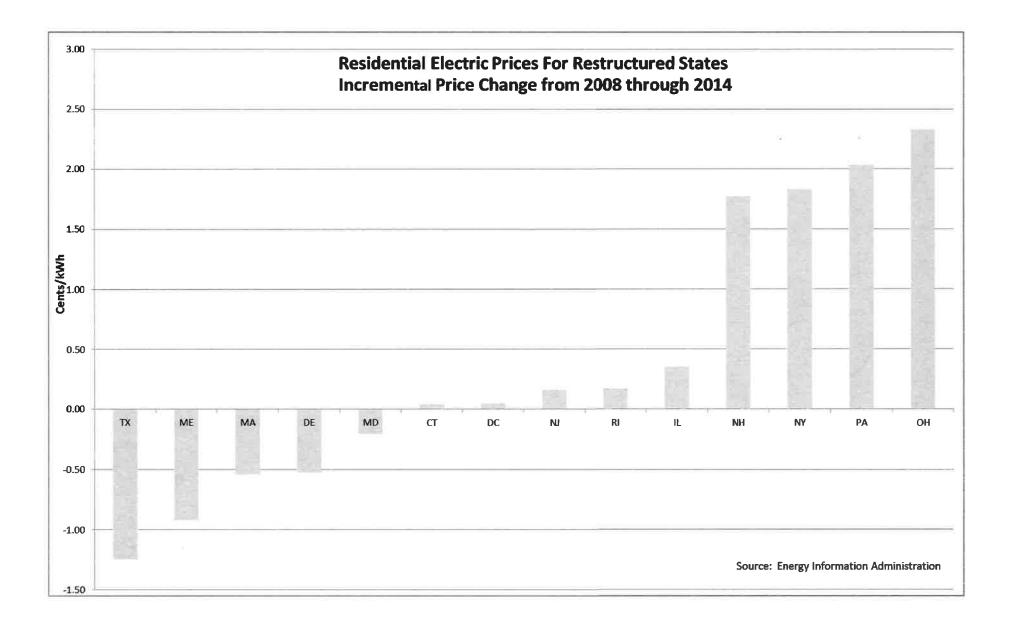
by not later than December 15, 2016, a report that shall include the findings of its study and recommendations concerning electric utilities and electric utility consumers in Ohio. On submission of the report due not later than December 15, 2016, the Task Force shall cease to exist.

- (D) The Legislative Service Commission shall provide any technical, professional, and clerical employees that are necessary for the Task Force to perform its duties.
- (E) All meetings of the Task Force are declared to be public meetings open to the public at all times. A member of the Task Force shall be present in person at a meeting that is open to the public in order to be considered present or to vote at the meeting and for the purposes of determining whether a quorum is present. The Task Force shall promptly prepare and maintain the minutes of its meetings, which shall be public records under section 149.43 of the Revised Code. The Task Force shall give reasonable notice of its meetings so that any person may determine the time and place of all scheduled meetings. The Task Force shall not hold a meeting unless it gives at least three days of advance notification to the news media organizations and others that have requested such notification.

2014 RESIDENTIAL ELECTRIC RATES by STATE

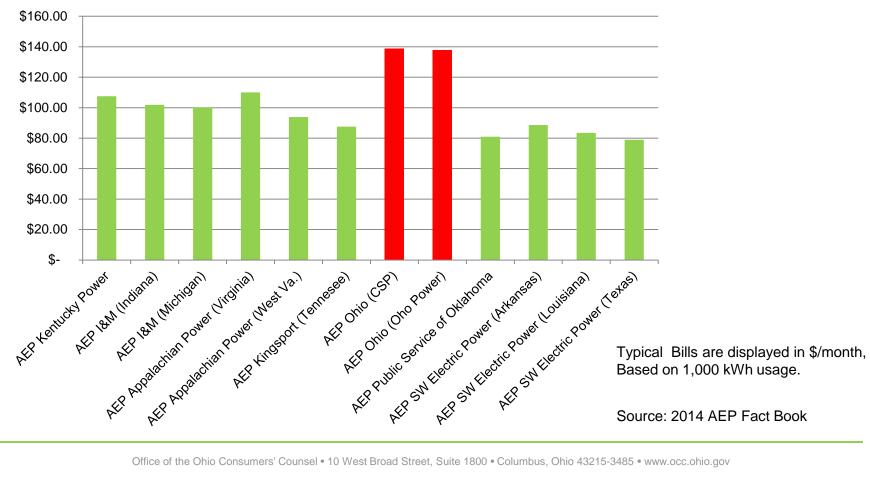
Chart 1

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15       Missouri       10.59       41       Maine       15.32         16       Utah       10.73       42       New Jersey       15.80         17       North Carolina       11.12       43       California       16.29         18       Virginia       11.19       44       Massachusetts       17.40         19       Indiana       11.25       45       Vermont       17.50         20       Iowa       11.35       46       New Hampshire       17.54         21       Mississippi       11.37       47       Rhode Island       17.56         22       Illinois       11.41       48       Alaska       19.31         23       Alabama       11.52       49       Connecticut       19.59         24       Georgia       11.57       50       New York       20.05         25       Texas       11.82       51       Hawaii       37.34	13	South Dakota	10.51	39	Wisconsin	13.89
16       Utah       10.73       42       New Jersey       15.80         17       North Carolina       11.12       43       California       16.29         18       Virginia       11.19       44       Massachusetts       17.40         19       Indiana       11.25       45       Vermont       17.50         20       Iowa       11.35       46       New Hampshire       17.54         21       Mississippi       11.37       47       Rhode Island       17.56         22       Illinois       11.41       48       Alaska       19.31         23       Alabama       11.52       49       Connecticut       19.59         24       Georgia       11.57       50       New York       20.05         25       Texas       11.82       51       Hawaii       37.34	14	Wyoming	10.53	40	Michigan	14.50
17       North Carolina       11.12       43       California       16.29         18       Virginia       11.19       44       Massachusetts       17.40         19       Indiana       11.25       45       Vermont       17.50         20       Iowa       11.35       46       New Hampshire       17.54         21       Mississippi       11.37       47       Rhode Island       17.56         22       Illinois       11.41       48       Alaska       19.31         23       Alabama       11.52       49       Connecticut       19.59         24       Georgia       11.57       50       New York       20.05         25       Texas       11.82       51       Hawaii       37.34	15	Missouri	10.59	41	Maine	15.32
18       Virginia       11.19       44       Massachusetts       17.40         19       Indiana       11.25       45       Vermont       17.50         20       Iowa       11.35       46       New Hampshire       17.54         21       Mississippi       11.37       47       Rhode Island       17.56         22       Illinois       11.41       48       Alaska       19.31         23       Alabama       11.52       49       Connecticut       19.59         24       Georgia       11.57       50       New York       20.05         25       Texas       11.82       51       Hawaii       37.34	16	Utah	10.73	42	New Jersey	15.80
19 Indiana       11.25       45 Vermont       17.50         20 Iowa       11.35       46 New Hampshire       17.54         21 Mississippi       11.37       47 Rhode Island       17.56         22 Illinois       11.41       48 Alaska       19.31         23 Alabama       11.52       49 Connecticut       19.59         24 Georgia       11.57       50 New York       20.05         25 Texas       11.82       51 Hawaii       37.34	17	North Carolina	11.12	43	California	16.29
20 Iowa       11.35       46 New Hampshire       17.54         21 Mississippi       11.37       47 Rhode Island       17.56         22 Illinois       11.41       48 Alaska       19.31         23 Alabama       11.52       49 Connecticut       19.59         24 Georgia       11.57       50 New York       20.05         25 Texas       11.82       51 Hawaii       37.34	18	Virginia	11.19	44	Massachusetts	17.40
21       Mississippi       11.37       47       Rhode Island       17.56         22       Illinois       11.41       48       Alaska       19.31         23       Alabama       11.52       49       Connecticut       19.59         24       Georgia       11.57       50       New York       20.05         25       Texas       11.82       51       Hawaii       37.34	19	Indiana	11.25	45	Vermont	17.50
22       Illinois       11.41       48       Alaska       19.31         23       Alabama       11.52       49       Connecticut       19.59         24       Georgia       11.57       50       New York       20.05         25       Texas       11.82       51       Hawaii       37.34	20	Iowa	11.35	46	New Hampshire	17.54
23       Alabama       11.52       49       Connecticut       19.59         24       Georgia       11.57       50       New York       20.05         25       Texas       11.82       51       Hawaii       37.34	21	Mississippi	11.37	47	Rhode Island	17.56
24 Georgia     11.57     50 New York     20.05       25 Texas     11.82     51 Hawaii     37.34	22	Illinois	11.41	48	Alaska	19.31
25 Texas 11.82 51 Hawaii 37.34	23	Alabama	11.52	49	Connecticut	19.59
	24	Georgia	11.57	50	New York	20.05
26     Florida       11.98     U.S. Total       12.50	25	Texas	11.82	51	Hawaii	37.34
	26	Florida	11.98		U.S. Total	12.50

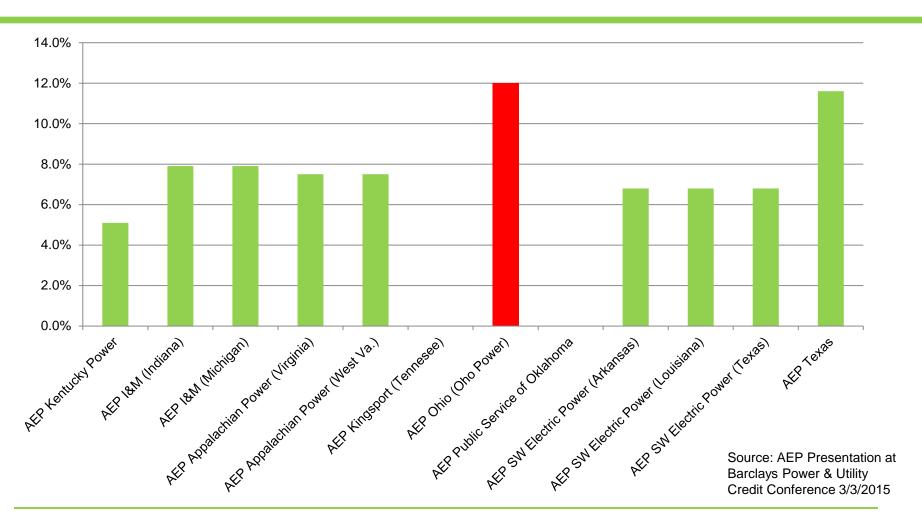


## **AEP Companies** Typical Bill Comparison

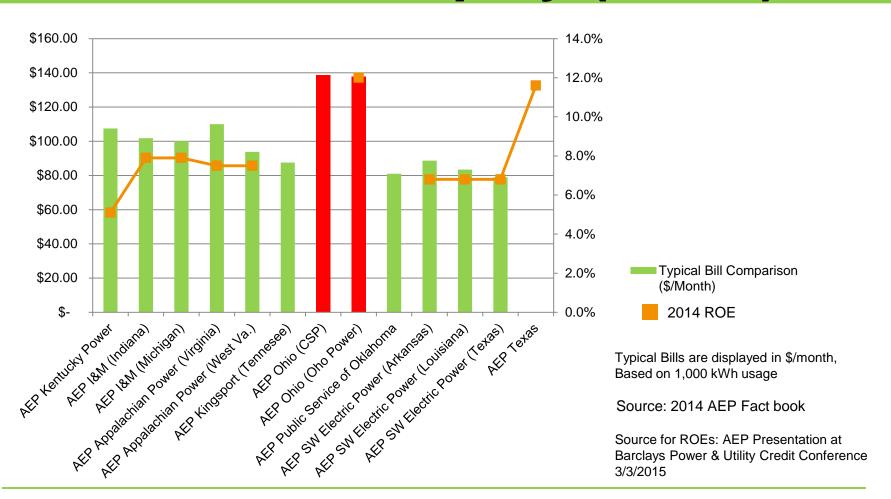
#### Typical Bill Comparison (\$/Month)



## AEP Companies 2014 Return On Equity (Profit)



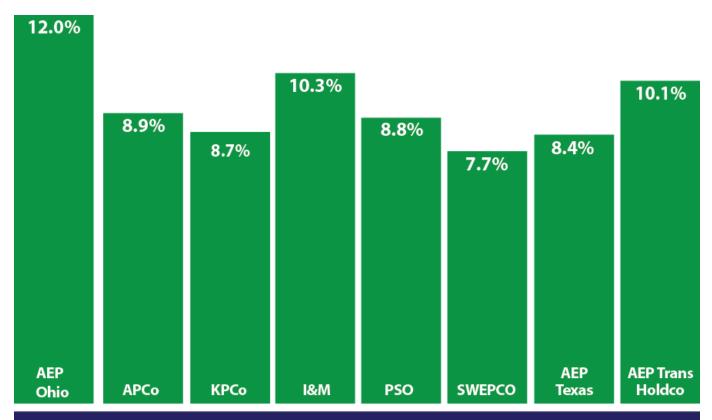
# AEP Typical Bill Comparison VS Return On Equity (Profit)





#### **Pro-forma 2015 Regulated ROE's**

**Expected Earned ROE's (Operating Earnings\*)** 



**Expected Regulated Operations ROE of 9.5%**Pro-forma 2015

Source: 2015 Evercore ISI Utility CEO Retreat, Palm Beach, FL Jan. 8-9, 2015

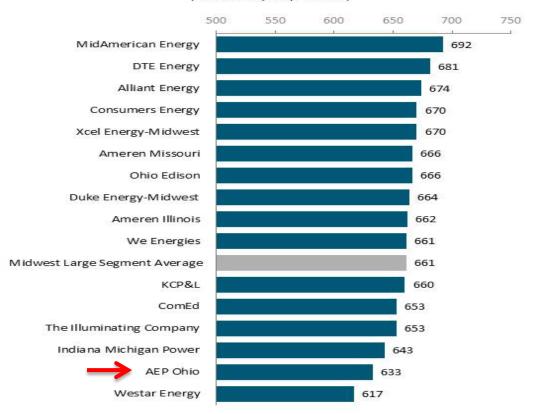
<sup>\*</sup> operating adjusts GAAP results by eliminating any material non operating items and is not weather normalized

### Consumer Satisfaction Survey

J.D. Power 2015 Electric Utility Residential Customer Satisfaction Study<sup>SM</sup>

#### Midwest Region: Large Segment Customer Satisfaction Index Ranking

(Based on a 1,000-point scale)



Source: J.D. Power 2015 Electric Utility Residential Customer Satisfaction Study<sup>SM</sup>

Charts and graphs extracted from this press release for use by the media must be accompanied by a statement identifying J.D. Power as the publisher and the study from which it originated as the source. Rankings are based on numerical scores, and not necessarily on statistical significance. No advertising or other promotional use can be made of the information in this release or J.D. Power survey results without the express prior written consent of J.D. Power.

**State Historical Tables for 2014** 

Released: October 2015 (Revised: November 2015)

Next Update: November 2016

YEAR	STATE	TYPE OF PRODUCER	ENERGY SOURCE	GENERATION	]
				(Megawatthours)	% of Total
2014	AK	Total Electric Power Industry	Total	6,042,830	
2014	AK	Total Electric Power Industry	Coal	558,292	
2014	AK	Total Electric Power Industry	Hydroelectric Conventional	1,538,738	
2014	AK	Total Electric Power Industry	Natural Gas	3,288,022	54.4%
2014	AK	Total Electric Power Industry	Other	-2,313	
2014	AK	Total Electric Power Industry	Petroleum	445,621	7.4%
2014	AK	Total Electric Power Industry	Other Biomass	62,512	1.0%
2014	AK	Total Electric Power Industry	Wind	151,957	2.5%
2014	AK	Total Electric Power Industry	Wood and Wood Derived Fuels	0	0.0%
2014	AL	Total Electric Power Industry	Total	149,340,447	
2014	AL	Total Electric Power Industry	Coal	47,301,626	
2014	AL	Total Electric Power Industry	Hydroelectric Conventional	9,466,872	6.3%
2014	AL	Total Electric Power Industry	Natural Gas	48,270,074	
2014	AL	Total Electric Power Industry	Nuclear	41,243,689	
2014	AL	Total Electric Power Industry	Other Gases	180,403	
2014	AL	Total Electric Power Industry	Other	661	0.0%
2014	AL	Total Electric Power Industry	Petroleum	98,100	
2014	AL	Total Electric Power Industry	Other Biomass	46,937	0.0%
2014	AL	Total Electric Power Industry	Wood and Wood Derived Fuels	2,732,084	1.8%
2014	AR	Total Electric Power Industry	Total	61,592,137	
2014	AR	Total Electric Power Industry	Coal	33,220,755	
2014	AR	Total Electric Power Industry	Pumped Storage	67,070	
2014	AR	Total Electric Power Industry	Hydroelectric Conventional	2,639,776	
2014	AR	Total Electric Power Industry	Natural Gas	9,613,708	
2014	AR	Total Electric Power Industry	Nuclear	14,478,259	
2014	AR	Total Electric Power Industry	Other	13,078	
2014	AR	Total Electric Power Industry	Petroleum	29,274	
2014	AR	Total Electric Power Industry	Other Biomass	102,274	
2014	AR	Total Electric Power Industry	Wood and Wood Derived Fuels	1,427,943	2.3%
					]
2014	AZ	Total Electric Power Industry	Total	112,257,187	]
2014	AZ	Total Electric Power Industry	Coal	42,665,011	38.0%

YEAR	STATE	TYPE OF PRODUCER	ENERGY SOURCE	GENERATION	
				(Megawatthours)	% of Total
2014	AZ	Total Electric Power Industry	Pumped Storage	13,892	0.0%
2014	AZ	Total Electric Power Industry	Hydroelectric Conventional	6,118,261	
2014	AZ	Total Electric Power Industry	Natural Gas	27,241,879	
2014	AZ	Total Electric Power Industry	Nuclear	32,320,917	28.8%
2014	AZ	Total Electric Power Industry	Other	0	0.0%
2014	AZ	Total Electric Power Industry	Petroleum	56,862	0.1%
2014	AZ	Total Electric Power Industry	Solar Thermal and Photovoltaic	3,141,508	
2014	AZ	Total Electric Power Industry	Other Biomass	61,053	
2014	AZ	Total Electric Power Industry	Wind	468,115	
2014	AZ	Total Electric Power Industry	Wood and Wood Derived Fuels	169,690	0.2%
2014	CA	Total Electric Power Industry	Total	198,807,622	
2014	CA	Total Electric Power Industry	Coal	804,760	0.4%
2014	CA	Total Electric Power Industry	Geothermal	12,101,728	6.1%
2014	CA	Total Electric Power Industry	Pumped Storage	-104,740	-0.1%
2014	CA	Total Electric Power Industry	Hydroelectric Conventional	16,531,340	8.3%
2014	CA	Total Electric Power Industry	Natural Gas	120,426,435	60.6%
2014	CA	Total Electric Power Industry	Nuclear	16,985,978	8.5%
2014	CA	Total Electric Power Industry	Other Gases	1,332,951	0.7%
2014	CA	Total Electric Power Industry	Other	847,835	0.4%
2014	CA	Total Electric Power Industry	Petroleum	66,305	0.0%
2014	CA	Total Electric Power Industry	Solar Thermal and Photovoltaic	9,931,815	5.0%
2014	CA	Total Electric Power Industry	Other Biomass	2,913,292	
2014	CA	Total Electric Power Industry	Wind	12,992,498	6.5%
2014	CA	Total Electric Power Industry	Wood and Wood Derived Fuels	3,977,425	2.0%
				, , , , , , , , , , , , , , , , , , ,	1
2014	СО	Total Electric Power Industry	Total	53,847,386	1
2014	СО	Total Electric Power Industry	Coal	32,544,849	60.4%
2014	CO	Total Electric Power Industry	Pumped Storage	-225,264	-0.4%
2014	CO	Total Electric Power Industry	Hydroelectric Conventional	1,769,801	3.3%
2014	СО	Total Electric Power Industry	Natural Gas	11,953,808	
2014	СО	Total Electric Power Industry	Other	46,874	0.1%
2014	СО	Total Electric Power Industry	Petroleum	9,932	0.0%
2014	СО	Total Electric Power Industry	Solar Thermal and Photovoltaic	253,065	
2014	СО	Total Electric Power Industry	Other Biomass	79,074	
2014	CO	Total Electric Power Industry	Wind	7,368,614	13.7%
2014	CO	Total Electric Power Industry	Wood and Wood Derived Fuels	46,633	0.1%
		,		,	1

YEAR	STATE	TYPE OF PRODUCER	ENERGY SOURCE	GENERATION	1
				(Megawatthours)	% of Total
2014	СТ	Total Electric Power Industry	Total	33,676,980	
2014	СТ	Total Electric Power Industry	Coal	824,948	
2014	СТ	Total Electric Power Industry	Pumped Storage	6,782	
2014	СТ	Total Electric Power Industry	Hydroelectric Conventional	433,960	
2014	СТ	Total Electric Power Industry	Natural Gas	14,683,905	
2014	СТ	Total Electric Power Industry	Nuclear	15,840,619	
2014	СТ	Total Electric Power Industry	Other	604,506	
2014	СТ	Total Electric Power Industry	Petroleum	513,414	
2014	СТ	Total Electric Power Industry	Solar Thermal and Photovoltaic	11,706	
2014	СТ	Total Electric Power Industry	Other Biomass	650,102	1.9%
2014	СТ	Total Electric Power Industry	Wood and Wood Derived Fuels	107,038	0.3%
2014	DC	Total Electric Power Industry	Total	67,612	
2014	DC	Total Electric Power Industry	Natural Gas	67,612	100.0%
2014	DC	Total Electric Power Industry	Petroleum	0	0.0%
2014	DE	Total Electric Power Industry	Total	7,703,584	
2014	DE	Total Electric Power Industry	Coal	865,384	11.2%
2014	DE	Total Electric Power Industry	Natural Gas	6,297,458	81.7%
2014	DE	Total Electric Power Industry	Other Gases	226,379	2.9%
2014	DE	Total Electric Power Industry	Petroleum	183,282	2.4%
2014	DE	Total Electric Power Industry	Solar Thermal and Photovoltaic	49,530	0.6%
2014	DE	Total Electric Power Industry	Other Biomass	76,499	
2014	DE	Total Electric Power Industry	Wind	5,051	0.1%
2014	FL	Total Electric Power Industry	Total	230,015,937	
2014	FL	Total Electric Power Industry	Coal	52,053,689	
2014	FL	Total Electric Power Industry	Hydroelectric Conventional	211,388	
2014	FL	Total Electric Power Industry	Natural Gas	140,034,070	60.9%
2014	FL	Total Electric Power Industry	Nuclear	27,868,270	12.1%
2014	FL	Total Electric Power Industry	Other Gases	6,669	0.0%
2014	FL	Total Electric Power Industry	Other	2,890,816	1.3%
2014	FL	Total Electric Power Industry	Petroleum	1,877,927	0.8%
2014	FL	Total Electric Power Industry	Solar Thermal and Photovoltaic	241,684	0.1%
2014	FL	Total Electric Power Industry	Other Biomass	2,291,816	
2014	FL	Total Electric Power Industry	Wood and Wood Derived Fuels	2,539,608	1.1%
					]
2014	GA	Total Electric Power Industry	Total	125,837,224	

YEAR	STATE	TYPE OF PRODUCER	ENERGY SOURCE	GENERATION (Megawatthours)	% of Total
2014	GA	Total Electric Power Industry	Coal	45,295,113	36.0%
2014	GA	Total Electric Power Industry	Pumped Storage	-780,633	
2014	GA	Total Electric Power Industry	Hydroelectric Conventional	3,064,347	2.4%
2014	GA	Total Electric Power Industry	Natural Gas	40,960,798	
2014	GA	Total Electric Power Industry	Nuclear	32,570,182	25.9%
2014	GA	Total Electric Power Industry	Other	66,997	0.1%
2014	GA	Total Electric Power Industry	Petroleum	377,810	0.3%
2014	GA	Total Electric Power Industry	Solar Thermal and Photovoltaic	119,227	0.1%
2014	GA	Total Electric Power Industry	Other Biomass	413,496	0.3%
2014	GA	Total Electric Power Industry	Wood and Wood Derived Fuels	3,749,886	3.0%
					1
2014	HI	Total Electric Power Industry	Total	10,204,158	1
2014	HI	Total Electric Power Industry	Coal	1,511,184	14.8%
2014	HI	Total Electric Power Industry	Geothermal	253,841	2.5%
2014	HI	Total Electric Power Industry	Hydroelectric Conventional	94,083	0.9%
2014	HI	Total Electric Power Industry	Other Gases	62,204	0.6%
2014	HI	Total Electric Power Industry	Other	405,019	4.0%
2014	HI	Total Electric Power Industry	Petroleum	6,925,919	67.9%
2014	HI	Total Electric Power Industry	Solar Thermal and Photovoltaic	39,262	0.4%
2014	HI	Total Electric Power Industry	Other Biomass	334,030	3.3%
2014	HI	Total Electric Power Industry	Wind	578,617	5.7%
					1
2014	IA	Total Electric Power Industry	Total	56,853,282	
2014	IA	Total Electric Power Industry	Coal	33,732,765	59.3%
2014	IA	Total Electric Power Industry	Hydroelectric Conventional	878,605	
2014	IA	Total Electric Power Industry	Natural Gas	1,372,515	
2014	IA	Total Electric Power Industry	Nuclear	4,152,468	
2014	IA	Total Electric Power Industry	Other	0	0.0%
2014	IA	Total Electric Power Industry	Petroleum	143,929	0.3%
2014	IA	Total Electric Power Industry	Other Biomass	264,470	0.5%
2014	IA	Total Electric Power Industry	Wind	16,306,755	28.7%
2014	IA	Total Electric Power Industry	Wood and Wood Derived Fuels	1,776	0.0%
2014	ID	Total Electric Power Industry	Total	15,184,417	
2014	ID	Total Electric Power Industry	Coal	77,671	0.5%
2014	ID	Total Electric Power Industry	Geothermal	78,799	0.5%
2014	ID	Total Electric Power Industry	Hydroelectric Conventional	9,002,210	
2014	ID	Total Electric Power Industry	Natural Gas	2,552,538	16.8%

YEAR	STATE	TYPE OF PRODUCER	ENERGY SOURCE	GENERATION	]
				(Megawatthours)	% of Total
2014	ID	Total Electric Power Industry	Other	74,878	0.5%
2014	ID	Total Electric Power Industry	Petroleum	1	0.0%
2014	ID	Total Electric Power Industry	Other Biomass	175,414	1.2%
2014	ID	Total Electric Power Industry	Wind	2,805,800	18.5%
2014	ID	Total Electric Power Industry	Wood and Wood Derived Fuels	417,105	2.7%
2014	IL	Total Electric Power Industry	Total	202,143,878	
2014	IL	Total Electric Power Industry	Coal	87,282,390	43.2%
2014	IL	Total Electric Power Industry	Hydroelectric Conventional	132,298	0.1%
2014	IL	Total Electric Power Industry	Natural Gas	5,465,425	2.7%
2014	IL	Total Electric Power Industry	Nuclear	97,857,900	48.4%
2014	IL	Total Electric Power Industry	Other Gases	338,093	0.2%
2014	IL	Total Electric Power Industry	Other	281,632	0.1%
2014	IL	Total Electric Power Industry	Petroleum	86,756	0.0%
2014	IL	Total Electric Power Industry	Solar Thermal and Photovoltaic	50,117	0.0%
2014	IL	Total Electric Power Industry	Other Biomass	566,372	0.3%
2014	IL	Total Electric Power Industry	Wind	10,082,894	5.0%
2014	IL	Total Electric Power Industry	Wood and Wood Derived Fuels	0	0.0%
2014	IN	Total Electric Power Industry	Total	115,395,392	
2014	IN	Total Electric Power Industry	Coal	97,548,739	84.5%
2014	IN	Total Electric Power Industry	Hydroelectric Conventional	371,153	0.3%
2014	IN	Total Electric Power Industry	Natural Gas	9,572,346	8.3%
2014	IN	Total Electric Power Industry	Other Gases	2,161,219	1.9%
2014	IN	Total Electric Power Industry	Other	390,684	
2014	IN	Total Electric Power Industry	Petroleum	1,362,544	1.2%
2014	IN	Total Electric Power Industry	Solar Thermal and Photovoltaic	102,127	0.1%
2014	IN	Total Electric Power Industry	Other Biomass	390,539	0.3%
2014	IN	Total Electric Power Industry	Wind	3,496,042	3.0%
2014	IN	Total Electric Power Industry	Wood and Wood Derived Fuels	0	0.0%
2014	KS	Total Electric Power Industry	Total	49,728,363	
2014	KS	Total Electric Power Industry	Coal	28,752,282	57.8%
2014	KS	Total Electric Power Industry	Hydroelectric Conventional	16,214	0.0%
2014	KS	Total Electric Power Industry	Natural Gas	1,452,523	2.9%
2014	KS	Total Electric Power Industry	Nuclear	8,558,384	17.2%
2014	KS	Total Electric Power Industry	Other	1	0.0%
2014	KS	Total Electric Power Industry	Petroleum	44,881	0.1%

YEAR	STATE	TYPE OF PRODUCER	ENERGY SOURCE	GENERATION	]
				(Megawatthours)	% of Total
2014	KS	Total Electric Power Industry	Other Biomass	59,217	0.1%
2014	KS	Total Electric Power Industry	Wind	10,844,861	21.8%
2014	KY	Total Electric Power Industry	Total	90,896,435	
2014	KY	Total Electric Power Industry	Coal	83,601,961	92.0%
2014	KY	Total Electric Power Industry	Hydroelectric Conventional	3,143,567	3.5%
2014	KY	Total Electric Power Industry	Natural Gas	2,499,599	
2014	KY	Total Electric Power Industry	Other	49,941	
2014	KY	Total Electric Power Industry	Petroleum	1,153,377	1.3%
2014	KY	Total Electric Power Industry	Other Biomass	93,534	
2014	KY	Total Electric Power Industry	Wood and Wood Derived Fuels	354,455	0.4%
2014	LA	Total Electric Power Industry	Total	104,229,402	
2014	LA	Total Electric Power Industry	Coal	19,221,019	
2014	LA	Total Electric Power Industry	Hydroelectric Conventional	1,090,038	
2014	LA	Total Electric Power Industry	Natural Gas	56,120,564	
2014	LA	Total Electric Power Industry	Nuclear	17,311,330	
2014	LA	Total Electric Power Industry	Other Gases	1,942,575	
2014	LA	Total Electric Power Industry	Other	533,197	
2014	LA	Total Electric Power Industry	Petroleum	5,231,074	5.0%
2014	LA	Total Electric Power Industry	Other Biomass	93,877	0.1%
2014	LA	Total Electric Power Industry	Wood and Wood Derived Fuels	2,685,727	2.6%
2014	MA	Total Electric Power Industry	Total	31,118,591	
2014	MA	Total Electric Power Industry	Coal	2,794,889	
2014	MA	Total Electric Power Industry	Pumped Storage	-458,158	
2014	MA	Total Electric Power Industry	Hydroelectric Conventional	902,077	2.9%
2014	MA	Total Electric Power Industry	Natural Gas	18,497,715	
2014	MA	Total Electric Power Industry	Nuclear	5,769,154	
2014	MA	Total Electric Power Industry	Other	878,130	2.8%
2014	MA	Total Electric Power Industry	Petroleum	1,004,834	
2014	MA	Total Electric Power Industry	Solar Thermal and Photovoltaic	306,321	1.0%
2014	MA	Total Electric Power Industry	Other Biomass	1,073,422	3.4%
2014	MA	Total Electric Power Industry	Wind	224,971	0.7%
2014	MA	Total Electric Power Industry	Wood and Wood Derived Fuels	125,237	0.4%
2014	MD	Total Electric Power Industry	Total	37,833,652	
2014	MD	Total Electric Power Industry	Coal	17,603,291	46.5%

YEAR	STATE	TYPE OF PRODUCER	ENERGY SOURCE	GENERATION	
				(Megawatthours)	% of Total
2014	MD	Total Electric Power Industry	Hydroelectric Conventional	1,615,523	
2014	MD	Total Electric Power Industry	Natural Gas	2,505,890	
2014	MD	Total Electric Power Industry	Nuclear	14,343,334	
2014	MD	Total Electric Power Industry	Other	313,284	
2014	MD	Total Electric Power Industry	Petroleum	463,456	
2014	MD	Total Electric Power Industry	Solar Thermal and Photovoltaic	98,118	
2014	MD	Total Electric Power Industry	Other Biomass	416,719	
2014	MD	Total Electric Power Industry	Wind	323,612	
2014	MD	Total Electric Power Industry	Wood and Wood Derived Fuels	150,426	0.4%
					l
2014	ME	Total Electric Power Industry	Total	13,248,710	
2014	ME	Total Electric Power Industry	Coal	79,104	
2014	ME	Total Electric Power Industry	Hydroelectric Conventional	3,623,249	
2014	ME	Total Electric Power Industry	Natural Gas	4,344,381	
2014	ME	Total Electric Power Industry	Other	405,129	
2014	ME	Total Electric Power Industry	Petroleum	305,132	
2014	ME	Total Electric Power Industry	Other Biomass	205,386	
2014	ME	Total Electric Power Industry	Wind	1,097,329	
2014	ME	Total Electric Power Industry	Wood and Wood Derived Fuels	3,189,000	24.1%
2014	MI	Total Electric Power Industry	Total	106,816,991	
2014	MI	Total Electric Power Industry	Coal	52,899,844	
2014	MI	Total Electric Power Industry	Pumped Storage	-700,889	
2014	MI	Total Electric Power Industry	Hydroelectric Conventional	1,600,022	
2014	MI	Total Electric Power Industry	Natural Gas	12,522,837	
2014	MI	Total Electric Power Industry	Nuclear	31,245,848	
2014	MI	Total Electric Power Industry	Other Gases	1,119,846	
2014	MI	Total Electric Power Industry	Other	403,801	
2014	MI	Total Electric Power Industry	Petroleum	1,051,330	
2014	MI	Total Electric Power Industry	Other Biomass	1,055,106	
2014	MI	Total Electric Power Industry	Wind	3,868,118	
2014	MI	Total Electric Power Industry	Wood and Wood Derived Fuels	1,751,129	1.6%
2014	MN	Total Electric Power Industry	Total	56,998,330	
2014	MN	Total Electric Power Industry	Coal	27,956,679	
2014	MN	Total Electric Power Industry	Hydroelectric Conventional	548,488	
2014	MN	Total Electric Power Industry	Natural Gas	3,869,633	
2014	MN	Total Electric Power Industry	Nuclear	12,707,166	22.3%

YEAR	STATE	TYPE OF PRODUCER	ENERGY SOURCE	GENERATION	1
TEAR		I TPE OF PRODUCER	ENERGY SOURCE	(Megawatthours)	% of Total
2014	MN	Total Electric Power Industry	Other	396,987	0.7%
2014	MN	Total Electric Power Industry	Petroleum	62,536	
2014	MN	Total Electric Power Industry	Solar Thermal and Photovoltaic	2,653	
2014	MN	Total Electric Power Industry	Other Biomass	614,241	
2014	MN	Total Electric Power Industry	Wind	9,691,019	
2014	MN	Total Electric Power Industry	Wood and Wood Derived Fuels	1,148,927	2.0%
2014	MO	Total Electric Power Industry	Total	87,834,468	
2014	МО	Total Electric Power Industry	Coal	72,409,212	82.4%
2014	MO	Total Electric Power Industry	Pumped Storage	18,853	0.0%
2014	MO	Total Electric Power Industry	Hydroelectric Conventional	697,336	0.8%
2014	MO	Total Electric Power Industry	Natural Gas	4,044,294	4.6%
2014	MO	Total Electric Power Industry	Nuclear	9,276,356	10.6%
2014	MO	Total Electric Power Industry	Other	26,315	0.0%
2014	MO	Total Electric Power Industry	Petroleum	106,655	0.1%
2014	MO	Total Electric Power Industry	Solar Thermal and Photovoltaic	8,707	0.0%
2014	MO	Total Electric Power Industry	Other Biomass	83,226	0.1%
2014	MO	Total Electric Power Industry	Wind	1,131,105	1.3%
2014	MO	Total Electric Power Industry	Wood and Wood Derived Fuels	32,409	0.0%
2014	MS	Total Electric Power Industry	Total	55,127,092	
2014	MS	Total Electric Power Industry	Coal	10,742,566	19.5%
2014	MS	Total Electric Power Industry	Natural Gas	32,605,949	
2014	MS	Total Electric Power Industry	Nuclear	10,252,183	18.6%
2014	MS	Total Electric Power Industry	Other	4,344	0.0%
2014	MS	Total Electric Power Industry	Petroleum	14,101	0.0%
2014	MS	Total Electric Power Industry	Other Biomass	17,345	
2014	MS	Total Electric Power Industry	Wood and Wood Derived Fuels	1,490,603	2.7%
2014	MT	Total Electric Power Industry	Total	30,257,616	
2014	MT	Total Electric Power Industry	Coal	15,579,415	51.5%
2014	MT	Total Electric Power Industry	Hydroelectric Conventional	11,482,751	37.9%
2014	MT	Total Electric Power Industry	Natural Gas	515,454	1.7%
2014	MT	Total Electric Power Industry	Other Gases	10	
2014	MT	Total Electric Power Industry	Other	264,814	
2014	MT	Total Electric Power Industry	Petroleum	428,369	
2014	MT	Total Electric Power Industry	Wind	1,973,794	6.5%
2014	MT	Total Electric Power Industry	Wood and Wood Derived Fuels	13,009	0.0%

YEAR	STATE	TYPE OF PRODUCER	ENERGY SOURCE	GENERATION (Megawatthours)	% of Total
				(moganatinoaro)	70 01 1 0 ta.
2014	NC	Total Electric Power Industry	Total	128,143,588	
2014	NC	Total Electric Power Industry	Coal	49,238,197	38.4%
2014	NC	Total Electric Power Industry	Pumped Storage	78,009	0.1%
2014	NC	Total Electric Power Industry	Hydroelectric Conventional	4,756,083	3.7%
2014	NC	Total Electric Power Industry	Natural Gas	28,737,608	22.4%
2014	NC	Total Electric Power Industry	Nuclear	40,967,020	32.0%
2014	NC	Total Electric Power Industry	Other	631,153	0.5%
2014	NC	Total Electric Power Industry	Petroleum	459,687	0.4%
2014	NC	Total Electric Power Industry	Solar Thermal and Photovoltaic	729,130	0.6%
2014	NC	Total Electric Power Industry	Other Biomass	519,931	0.4%
2014	NC	Total Electric Power Industry	Wood and Wood Derived Fuels	2,026,770	1.6%
2014	ND	Total Electric Power Industry	Total	36,462,508	
2014	ND	Total Electric Power Industry	Coal	27,394,068	75.1%
2014	ND	Total Electric Power Industry	Hydroelectric Conventional	2,531,360	6.9%
2014	ND	Total Electric Power Industry	Natural Gas	234,315	0.6%
2014	ND	Total Electric Power Industry	Other Gases	40,143	0.1%
2014	ND	Total Electric Power Industry	Other	31,440	0.1%
2014	ND	Total Electric Power Industry	Petroleum	26,117	0.1%
2014	ND	Total Electric Power Industry	Other Biomass	2,652	0.0%
2014	ND	Total Electric Power Industry	Wind	6,202,412	17.0%
2014	NE	Total Electric Power Industry	Total	39,431,291	
2014	NE	Total Electric Power Industry	Coal	24,922,175	
2014	NE	Total Electric Power Industry	Hydroelectric Conventional	1,157,781	2.9%
2014	NE	Total Electric Power Industry	Natural Gas	405,712	1.0%
2014	NE	Total Electric Power Industry	Nuclear	10,101,838	
2014	NE	Total Electric Power Industry	Other	0	0.0%
2014	NE	Total Electric Power Industry	Petroleum	42,660	
2014	NE	Total Electric Power Industry	Other Biomass	64,185	
2014	NE	Total Electric Power Industry	Wind	2,736,939	
2014	NE	Total Electric Power Industry	Wood and Wood Derived Fuels	0	0.0%
					1
2014	NH	Total Electric Power Industry	Total	19,538,395	
2014	NH	Total Electric Power Industry	Coal	1,310,999	
2014	NH	Total Electric Power Industry	Hydroelectric Conventional	1,381,362	7.1%
2014	NH	Total Electric Power Industry	Natural Gas	4,388,291	22.5%

YEAR	STATE	TYPE OF PRODUCER	ENERGY SOURCE	GENERATION	
				(Megawatthours)	% of Total
2014	NH	Total Electric Power Industry	Nuclear	10,168,265	
2014	NH	Total Electric Power Industry	Other	49,639	
2014	NH	Total Electric Power Industry	Petroleum	287,450	
2014	NH	Total Electric Power Industry	Other Biomass	125,393	
2014	NH	Total Electric Power Industry	Wind	411,581	2.1%
2014	NH	Total Electric Power Industry	Wood and Wood Derived Fuels	1,415,415	7.2%
2014	NJ	Total Electric Power Industry	Total	68,051,086	
2014	NJ	Total Electric Power Industry	Coal	2,519,106	
2014	NJ	Total Electric Power Industry	Pumped Storage	-236,904	-0.3%
2014	NJ	Total Electric Power Industry	Hydroelectric Conventional	17,296	
2014	NJ	Total Electric Power Industry	Natural Gas	31,410,341	46.2%
2014	NJ	Total Electric Power Industry	Nuclear	31,507,121	46.3%
2014	NJ	Total Electric Power Industry	Other Gases	161,682	0.2%
2014	NJ	Total Electric Power Industry	Other	640,134	
2014	NJ	Total Electric Power Industry	Petroleum	496,776	
2014	NJ	Total Electric Power Industry	Solar Thermal and Photovoltaic	514,252	
2014	NJ	Total Electric Power Industry	Other Biomass	998,426	
2014	NJ	Total Electric Power Industry	Wind	22,855	0.0%
2014	NM	Total Electric Power Industry	Total	32,306,210	
2014	NM	Total Electric Power Industry	Coal	20,355,631	63.0%
2014	NM	Total Electric Power Industry	Geothermal	8,736	
2014	NM	Total Electric Power Industry	Hydroelectric Conventional	98,381	0.3%
2014	NM	Total Electric Power Industry	Natural Gas	8,975,656	
2014	NM	Total Electric Power Industry	Other	665	
2014	NM	Total Electric Power Industry	Petroleum	63,157	0.2%
2014	NM	Total Electric Power Industry	Solar Thermal and Photovoltaic	515,054	
2014	NM	Total Electric Power Industry	Other Biomass	14,179	
2014	NM	Total Electric Power Industry	Wind	2,274,750	7.0%
2014	NV	Total Electric Power Industry	Total	36,000,537	
2014	NV	Total Electric Power Industry	Coal	6,547,864	
2014	NV	Total Electric Power Industry	Geothermal	2,728,788	
2014	NV	Total Electric Power Industry	Hydroelectric Conventional	2,389,000	
2014	NV	Total Electric Power Industry	Natural Gas	22,961,355	
2014	NV	Total Electric Power Industry	Other Gases	5,151	0.0%
2014	NV	Total Electric Power Industry	Other	14,965	0.0%

YEAR	STATE	TYPE OF PRODUCER	ENERGY SOURCE	GENERATION (Megawatthours)	% of Total
2014	NV	Total Electric Power Industry	Petroleum	15,030	
2014	NV	Total Electric Power Industry	Solar Thermal and Photovoltaic	1,013,682	
2014	NV	Total Electric Power Industry	Other Biomass	24,568	
2014	NV	Total Electric Power Industry	Wind	300,134	
2014	NV	Total Electric Power Industry	Wood and Wood Derived Fuels	0	0.0%
					1
2014	NY	Total Electric Power Industry	Total	137,122,202	
2014	NY	Total Electric Power Industry	Coal	4,592,054	3.3%
2014	NY	Total Electric Power Industry	Pumped Storage	-491,330	
2014	NY	Total Electric Power Industry	Hydroelectric Conventional	26,086,902	19.0%
2014	NY	Total Electric Power Industry	Natural Gas	54,379,759	39.7%
2014	NY	Total Electric Power Industry	Nuclear	43,038,624	31.4%
2014	NY	Total Electric Power Industry	Other Gases	0	0.0%
2014	NY	Total Electric Power Industry	Other	933,084	0.7%
2014	NY	Total Electric Power Industry	Petroleum	2,136,484	1.6%
2014	NY	Total Electric Power Industry	Solar Thermal and Photovoltaic	70,616	
2014	NY	Total Electric Power Industry	Other Biomass	1,668,768	1.2%
2014	NY	Total Electric Power Industry	Wind	3,968,407	2.9%
2014	NY	Total Electric Power Industry	Wood and Wood Derived Fuels	738,834	0.5%
2014	ОН	Total Electric Power Industry	Total	134,476,405	
2014	ОН	Total Electric Power Industry	Coal	89,879,052	66.8%
2014	ОН	Total Electric Power Industry	Hydroelectric Conventional	478,007	0.4%
2014	ОН	Total Electric Power Industry	Natural Gas	23,636,445	
2014	ОН	Total Electric Power Industry	Nuclear	16,284,440	
2014	ОН	Total Electric Power Industry	Other Gases	929,388	
2014	ОН	Total Electric Power Industry	Other	-3,393	
2014	ОН	Total Electric Power Industry	Petroleum	1,246,673	
2014	ОН	Total Electric Power Industry	Solar Thermal and Photovoltaic	53,908	
2014	ОН	Total Electric Power Industry	Other Biomass	470,881	0.4%
2014	ОН	Total Electric Power Industry	Wind	1,153,418	
2014	ОН	Total Electric Power Industry	Wood and Wood Derived Fuels	347,586	0.3%
2011	016	T. (IFI . ( B. ) I . (	T	70.450.4	
2014	OK	Total Electric Power Industry	Total	70,155,504	4
2014	OK	Total Electric Power Industry	Coal	29,905,952	42.6%
2014	OK	Total Electric Power Industry	Pumped Storage	-105,798	
2014	OK	Total Electric Power Industry	Hydroelectric Conventional	1,428,473	
2014	OK	Total Electric Power Industry	Natural Gas	26,641,474	38.0%

YEAR	STATE	TYPE OF PRODUCER	ENERGY SOURCE	GENERATION	
				(Megawatthours)	% of Total
2014	OK	Total Electric Power Industry	Other	-2,279	0.0%
2014	OK	Total Electric Power Industry	Petroleum	12,494	0.0%
2014	OK	Total Electric Power Industry	Other Biomass	91,651	0.1%
2014	OK	Total Electric Power Industry	Wind	11,936,833	17.0%
2014	OK	Total Electric Power Industry	Wood and Wood Derived Fuels	246,705	0.4%
2014	OR	Total Electric Power Industry	Total	60,119,907	
2014	OR	Total Electric Power Industry	Coal	3,192,593	5.3%
2014	OR	Total Electric Power Industry	Geothermal	183,467	0.3%
2014	OR	Total Electric Power Industry	Hydroelectric Conventional	35,261,936	58.7%
2014	OR	Total Electric Power Industry	Natural Gas	12,698,958	21.1%
2014	OR	Total Electric Power Industry	Other	43,004	0.1%
2014	OR	Total Electric Power Industry	Petroleum	9,884	0.0%
2014	OR	Total Electric Power Industry	Solar Thermal and Photovoltaic	24,042	0.0%
2014	OR	Total Electric Power Industry	Other Biomass	348,095	0.6%
2014	OR	Total Electric Power Industry	Wind	7,555,402	12.6%
2014	OR	Total Electric Power Industry	Wood and Wood Derived Fuels	802,526	1.3%
2014	PA	Total Electric Power Industry	Total	221,058,365	
2014	PA	Total Electric Power Industry	Coal	78,985,629	35.7%
2014	PA	Total Electric Power Industry	Pumped Storage	-578,653	-0.3%
2014	PA	Total Electric Power Industry	Hydroelectric Conventional	2,641,157	1.2%
2014	PA	Total Electric Power Industry	Natural Gas	53,021,235	24.0%
2014	PA	Total Electric Power Industry	Nuclear	78,714,659	35.6%
2014	PA	Total Electric Power Industry	Other Gases	490,777	0.2%
2014	PA	Total Electric Power Industry	Other	900,134	0.4%
2014	PA	Total Electric Power Industry	Petroleum	803,004	0.4%
2014	PA	Total Electric Power Industry	Solar Thermal and Photovoltaic	62,392	0.0%
2014	PA	Total Electric Power Industry	Other Biomass	1,904,224	0.9%
2014	PA	Total Electric Power Industry	Wind	3,564,730	1.6%
2014	PA	Total Electric Power Industry	Wood and Wood Derived Fuels	549,077	0.2%
		·			
2014	RI	Total Electric Power Industry	Total	6,281,748	
2014	RI	Total Electric Power Industry	Coal	0	0.0%
2014	RI	Total Electric Power Industry	Hydroelectric Conventional	3,964	0.1%
2014	RI	Total Electric Power Industry	Natural Gas	5,962,951	94.9%
2014	RI	Total Electric Power Industry	Petroleum	88,419	1.4%
2014	RI	Total Electric Power Industry	Solar Thermal and Photovoltaic	9,803	0.2%

2014 RI Total Electric Power Industry Wind 9,917  2014 RI Total Electric Power Industry Wind 9,917  2014 SC Total Electric Power Industry Total 97,158,465  2014 SC Total Electric Power Industry Purped Storage 884,995  2014 SC Total Electric Power Industry Purped Storage 884,995  2014 SC Total Electric Power Industry Purped Storage 9884,995  2014 SC Total Electric Power Industry Purped Storage 9884,995  2014 SC Total Electric Power Industry Hydroelectric Conventional 2,569,126  2014 SC Total Electric Power Industry Natural Gas 11,406,640  2014 SC Total Electric Power Industry Natural Gas 11,406,640  2014 SC Total Electric Power Industry Natural Gas 11,406,640  2014 SC Total Electric Power Industry Other 46,265  2014 SC Total Electric Power Industry Pother 46,265  2014 SC Total Electric Power Industry Pother 46,265  2014 SC Total Electric Power Industry Solar Thermal and Photovotaic 4,785  2014 SC Total Electric Power Industry Wood and Wood Derived Fuels 1,243,652  2014 SC Total Electric Power Industry Wood and Wood Derived Fuels 2,243,652  2014 SC Total Electric Power Industry Total 10,995,240  2014 SD Total Electric Power Industry Total 10,995,240  2014 SD Total Electric Power Industry Hydroelectric Conventional 5,498,214  2014 SD Total Electric Power Industry Hydroelectric Conventional 5,498,214  2014 SD Total Electric Power Industry Natural Gas 464,817  2014 SD Total Electric Power Industry Hydroelectric Conventional 5,498,214  2014 SD Total Electric Power Industry Natural Gas 464,817  2014 SD Total Electric Power Industry Natural Gas 464,817  2014 SD Total Electric Power Industry Natural Gas 464,817  2014 SD Total Electric Power Industry Natural Gas 464,817  2014 SD Total Electric Power Industry Natural Gas 464,817  2014 SD Total Electric Power Industry Natural Gas 464,817  2014 SD Total Electric Power Industry Natural Gas 464,817  2014 SD Total Electric Power Industry Natural Gas 464,817  2014 SD Total Electric Power Industry Natural Gas 464,817  2014 TN Total Electric Power Industry Natural Gas 6,199,618	YEAR	STATE	TYPE OF PRODUCER	ENERGY SOURCE	GENERATION	]
2014   RI					(Megawatthours)	% of Total
2014   SC			·			3.3%
2014   SC	2014	RI	Total Electric Power Industry	Wind	9,917	0.2%
2014   SC	2211					
2014   SC						
2014 SC Total Electric Power Industry Hydroelectric Conventional 2,569,126 2014 SC Total Electric Power Industry Natural Gas 11,406,640 2014 SC Total Electric Power Industry Nuclear 52,418,553 2014 SC Total Electric Power Industry Other 46,265 2014 SC Total Electric Power Industry Petroleum 245,574 2014 SC Total Electric Power Industry Other 46,265 2014 SC Total Electric Power Industry Petroleum 245,574 2014 SC Total Electric Power Industry Other Biomass 194,059 2014 SC Total Electric Power Industry Other Biomass 194,059 2014 SC Total Electric Power Industry Wood and Wood Derived Fuels 2,243,652 2014 SC Total Electric Power Industry Total 10,995,240 2014 SD Total Electric Power Industry Coal 2,689,216 2014 SD Total Electric Power Industry Hydroelectric Conventional 5,498,214 2014 SD Total Electric Power Industry Natural Gas 464,817 2014 SD Total Electric Power Industry Other			·			29.8%
2014         SC         Total Electric Power Industry         Natural Gas         11,406,640           2014         SC         Total Electric Power Industry         Nuclear         52,418,553           2014         SC         Total Electric Power Industry         Other         46,265           2014         SC         Total Electric Power Industry         Petroleum         245,574           2014         SC         Total Electric Power Industry         Solar Thermal and Photovoltaic         4,785           2014         SC         Total Electric Power Industry         Other Biomass         194,059           2014         SC         Total Electric Power Industry         Wood and Wood Derived Fuels         2,243,652           2014         SD         Total Electric Power Industry         Total         10,995,240           2014         SD         Total Electric Power Industry         Power Industry         Power Industry           2014         SD         Total Electric Power Industry         Natural Gas         464,817           2014         SD         Total Electric Power Industry         Other         0           2014         SD         Total Electric Power Industry         Petroleum         6,700           2014         SD         Total Electric P			,		•	
2014   SC			,	,		
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2014SDTotal Electric Power IndustryCoal2,689,2162014SDTotal Electric Power IndustryHydroelectric Conventional5,498,2142014SDTotal Electric Power IndustryNatural Gas464,8172014SDTotal Electric Power IndustryOther02014SDTotal Electric Power IndustryPetroleum6,7002014SDTotal Electric Power IndustryOther Biomass02014SDTotal Electric Power IndustryWind2,336,2932014TNTotal Electric Power IndustryCoal35,874,5822014TNTotal Electric Power IndustryPumped Storage-491,1832014TNTotal Electric Power IndustryHydroelectric Conventional8,900,6502014TNTotal Electric Power IndustryNatural Gas6,199,6182014TNTotal Electric Power IndustryNuclear27,670,0062014TNTotal Electric Power IndustryOther Gases13,0472014TNTotal Electric Power IndustryOther14,0412014TNTotal Electric Power IndustryPetroleum185,1272014TNTotal Electric Power IndustrySolar Thermal and Photovoltaic27,4812014TNTotal Electric Power IndustryOther Biomass89,5672014TNTotal Electric Power IndustryOther Biomass89,5672014TNTotal Electric Power IndustryOther Biomass89,56						
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2014SDTotal Electric Power IndustryNatural Gas464,8172014SDTotal Electric Power IndustryOther02014SDTotal Electric Power IndustryPetroleum6,7002014SDTotal Electric Power IndustryOther Biomass02014SDTotal Electric Power IndustryWind2,336,2932014TNTotal Electric Power IndustryTotal79,506,8862014TNTotal Electric Power IndustryCoal35,874,5822014TNTotal Electric Power IndustryPumped Storage-491,1832014TNTotal Electric Power IndustryHydroelectric Conventional8,900,6502014TNTotal Electric Power IndustryNatural Gas6,199,6182014TNTotal Electric Power IndustryNuclear27,670,0062014TNTotal Electric Power IndustryOther Gases13,0472014TNTotal Electric Power IndustryOther14,0412014TNTotal Electric Power IndustryPetroleum185,1272014TNTotal Electric Power IndustrySolar Thermal and Photovoltaic27,4812014TNTotal Electric Power IndustryOther Biomass89,5672014TNTotal Electric Power IndustryOther Biomass89,5672014TNTotal Electric Power IndustryOther Biomass89,567	2014				2,689,216	24.5%
2014 SD Total Electric Power Industry Other 0,700 2014 SD Total Electric Power Industry Petroleum 6,700 2014 SD Total Electric Power Industry Other Biomass 0 2014 SD Total Electric Power Industry Wind 2,336,293  2014 TN Total Electric Power Industry Total 79,506,886 2014 TN Total Electric Power Industry Coal 35,874,582 2014 TN Total Electric Power Industry Pumped Storage -491,183 2014 TN Total Electric Power Industry Hydroelectric Conventional 8,900,650 2014 TN Total Electric Power Industry Natural Gas 6,199,618 2014 TN Total Electric Power Industry Nuclear 27,670,006 2014 TN Total Electric Power Industry Other Gases 13,047 2014 TN Total Electric Power Industry Other 14,041 2014 TN Total Electric Power Industry Petroleum 185,127 2014 TN Total Electric Power Industry Solar Thermal and Photovoltaic 27,481 2014 TN Total Electric Power Industry Solar Thermal and Photovoltaic 27,481 2014 TN Total Electric Power Industry Other Biomass 89,567 2014 TN Total Electric Power Industry Other Biomass 89,567 2014 TN Total Electric Power Industry Other Biomass 89,567	2014	SD	Total Electric Power Industry	Hydroelectric Conventional	5,498,214	50.0%
2014SDTotal Electric Power IndustryPetroleum6,7002014SDTotal Electric Power IndustryOther Biomass02014SDTotal Electric Power IndustryWind2,336,2932014TNTotal Electric Power IndustryTotal79,506,8862014TNTotal Electric Power IndustryCoal35,874,5822014TNTotal Electric Power IndustryPumped Storage-491,1832014TNTotal Electric Power IndustryHydroelectric Conventional8,900,6502014TNTotal Electric Power IndustryNatural Gas6,199,6182014TNTotal Electric Power IndustryNuclear27,670,0062014TNTotal Electric Power IndustryOther Gases13,0472014TNTotal Electric Power IndustryOther Gases13,0472014TNTotal Electric Power IndustryPetroleum185,1272014TNTotal Electric Power IndustrySolar Thermal and Photovoltaic27,4812014TNTotal Electric Power IndustrySolar Thermal and Photovoltaic27,4812014TNTotal Electric Power IndustryOther Biomass89,5672014TNTotal Electric Power IndustryOther Biomass89,5672014TNTotal Electric Power IndustryOther Biomass51,140	2014	SD	Total Electric Power Industry	Natural Gas	464,817	4.2%
2014SDTotal Electric Power IndustryOther Biomass02014SDTotal Electric Power IndustryWind2,336,2932014TNTotal Electric Power IndustryTotal79,506,8862014TNTotal Electric Power IndustryCoal35,874,5822014TNTotal Electric Power IndustryPumped Storage-491,1832014TNTotal Electric Power IndustryHydroelectric Conventional8,900,6502014TNTotal Electric Power IndustryNatural Gas6,199,6182014TNTotal Electric Power IndustryNuclear27,670,0062014TNTotal Electric Power IndustryOther Gases13,0472014TNTotal Electric Power IndustryOther14,0412014TNTotal Electric Power IndustryPetroleum185,1272014TNTotal Electric Power IndustrySolar Thermal and Photovoltaic27,4812014TNTotal Electric Power IndustryOther Biomass89,5672014TNTotal Electric Power IndustryOther Biomass89,5672014TNTotal Electric Power IndustryOther Biomass89,5672014TNTotal Electric Power IndustryWind51,140	2014	SD	Total Electric Power Industry	Other	0	0.0%
2014 SD Total Electric Power Industry Wind 2,336,293  2014 TN Total Electric Power Industry Total 79,506,886  2014 TN Total Electric Power Industry Coal 35,874,582  2014 TN Total Electric Power Industry Pumped Storage -491,183  2014 TN Total Electric Power Industry Hydroelectric Conventional 8,900,650  2014 TN Total Electric Power Industry Natural Gas 6,199,618  2014 TN Total Electric Power Industry Nuclear 27,670,006  2014 TN Total Electric Power Industry Other Gases 13,047  2014 TN Total Electric Power Industry Other 14,041  2014 TN Total Electric Power Industry Petroleum 185,127  2014 TN Total Electric Power Industry Solar Thermal and Photovoltaic 27,481  2014 TN Total Electric Power Industry Other Biomass 89,567  2014 TN Total Electric Power Industry Other Biomass 89,567  2014 TN Total Electric Power Industry Other Biomass 89,567	2014	SD	Total Electric Power Industry	Petroleum	6,700	0.1%
2014 TN Total Electric Power Industry Total 79,506,886 2014 TN Total Electric Power Industry Coal 35,874,582 2014 TN Total Electric Power Industry Pumped Storage -491,183 2014 TN Total Electric Power Industry Hydroelectric Conventional 8,900,650 2014 TN Total Electric Power Industry Natural Gas 6,199,618 2014 TN Total Electric Power Industry Nuclear 27,670,006 2014 TN Total Electric Power Industry Other Gases 13,047 2014 TN Total Electric Power Industry Other 14,041 2014 TN Total Electric Power Industry Petroleum 185,127 2014 TN Total Electric Power Industry Solar Thermal and Photovoltaic 27,481 2014 TN Total Electric Power Industry Other Biomass 89,567 2014 TN Total Electric Power Industry Other Biomass 89,567 2014 TN Total Electric Power Industry Wind 51,140	2014	SD	Total Electric Power Industry	Other Biomass	0	0.0%
2014TNTotal Electric Power IndustryCoal35,874,5822014TNTotal Electric Power IndustryPumped Storage-491,1832014TNTotal Electric Power IndustryHydroelectric Conventional8,900,6502014TNTotal Electric Power IndustryNatural Gas6,199,6182014TNTotal Electric Power IndustryNuclear27,670,0062014TNTotal Electric Power IndustryOther Gases13,0472014TNTotal Electric Power IndustryOther14,0412014TNTotal Electric Power IndustryPetroleum185,1272014TNTotal Electric Power IndustrySolar Thermal and Photovoltaic27,4812014TNTotal Electric Power IndustryOther Biomass89,5672014TNTotal Electric Power IndustryWind51,140	2014	SD	Total Electric Power Industry	Wind	2,336,293	21.2%
2014TNTotal Electric Power IndustryCoal35,874,5822014TNTotal Electric Power IndustryPumped Storage-491,1832014TNTotal Electric Power IndustryHydroelectric Conventional8,900,6502014TNTotal Electric Power IndustryNatural Gas6,199,6182014TNTotal Electric Power IndustryNuclear27,670,0062014TNTotal Electric Power IndustryOther Gases13,0472014TNTotal Electric Power IndustryOther14,0412014TNTotal Electric Power IndustryPetroleum185,1272014TNTotal Electric Power IndustrySolar Thermal and Photovoltaic27,4812014TNTotal Electric Power IndustryOther Biomass89,5672014TNTotal Electric Power IndustryWind51,140						
2014TNTotal Electric Power IndustryPumped Storage-491,1832014TNTotal Electric Power IndustryHydroelectric Conventional8,900,6502014TNTotal Electric Power IndustryNatural Gas6,199,6182014TNTotal Electric Power IndustryNuclear27,670,0062014TNTotal Electric Power IndustryOther Gases13,0472014TNTotal Electric Power IndustryOther14,0412014TNTotal Electric Power IndustryPetroleum185,1272014TNTotal Electric Power IndustrySolar Thermal and Photovoltaic27,4812014TNTotal Electric Power IndustryOther Biomass89,5672014TNTotal Electric Power IndustryWind51,140	2014	TN	Total Electric Power Industry	Total	79,506,886	
2014TNTotal Electric Power IndustryHydroelectric Conventional8,900,6502014TNTotal Electric Power IndustryNatural Gas6,199,6182014TNTotal Electric Power IndustryNuclear27,670,0062014TNTotal Electric Power IndustryOther Gases13,0472014TNTotal Electric Power IndustryOther14,0412014TNTotal Electric Power IndustryPetroleum185,1272014TNTotal Electric Power IndustrySolar Thermal and Photovoltaic27,4812014TNTotal Electric Power IndustryOther Biomass89,5672014TNTotal Electric Power IndustryWind51,140	2014	TN	Total Electric Power Industry	Coal	35,874,582	45.1%
2014TNTotal Electric Power IndustryNatural Gas6,199,6182014TNTotal Electric Power IndustryNuclear27,670,0062014TNTotal Electric Power IndustryOther Gases13,0472014TNTotal Electric Power IndustryOther14,0412014TNTotal Electric Power IndustryPetroleum185,1272014TNTotal Electric Power IndustrySolar Thermal and Photovoltaic27,4812014TNTotal Electric Power IndustryOther Biomass89,5672014TNTotal Electric Power IndustryWind51,140	2014		Total Electric Power Industry	Pumped Storage	-491,183	-0.6%
2014TNTotal Electric Power IndustryNuclear27,670,0062014TNTotal Electric Power IndustryOther Gases13,0472014TNTotal Electric Power IndustryOther14,0412014TNTotal Electric Power IndustryPetroleum185,1272014TNTotal Electric Power IndustrySolar Thermal and Photovoltaic27,4812014TNTotal Electric Power IndustryOther Biomass89,5672014TNTotal Electric Power IndustryWind51,140	2014	TN	Total Electric Power Industry	Hydroelectric Conventional	8,900,650	11.2%
2014TNTotal Electric Power IndustryOther Gases13,0472014TNTotal Electric Power IndustryOther14,0412014TNTotal Electric Power IndustryPetroleum185,1272014TNTotal Electric Power IndustrySolar Thermal and Photovoltaic27,4812014TNTotal Electric Power IndustryOther Biomass89,5672014TNTotal Electric Power IndustryWind51,140	2014	TN	Total Electric Power Industry	Natural Gas	6,199,618	7.8%
2014TNTotal Electric Power IndustryOther14,0412014TNTotal Electric Power IndustryPetroleum185,1272014TNTotal Electric Power IndustrySolar Thermal and Photovoltaic27,4812014TNTotal Electric Power IndustryOther Biomass89,5672014TNTotal Electric Power IndustryWind51,140	2014	TN	Total Electric Power Industry	Nuclear	27,670,006	34.8%
2014TNTotal Electric Power IndustryPetroleum185,1272014TNTotal Electric Power IndustrySolar Thermal and Photovoltaic27,4812014TNTotal Electric Power IndustryOther Biomass89,5672014TNTotal Electric Power IndustryWind51,140	2014	TN	Total Electric Power Industry	Other Gases	13,047	0.0%
2014TNTotal Electric Power IndustrySolar Thermal and Photovoltaic27,4812014TNTotal Electric Power IndustryOther Biomass89,5672014TNTotal Electric Power IndustryWind51,140	2014		Total Electric Power Industry	Other	14,041	0.0%
2014TNTotal Electric Power IndustryOther Biomass89,5672014TNTotal Electric Power IndustryWind51,140	2014	TN	Total Electric Power Industry	Petroleum	185,127	0.2%
2014   TN   Total Electric Power Industry   Wind   51,140	2014		Total Electric Power Industry	Solar Thermal and Photovoltaic	27,481	0.0%
	2014	TN	Total Electric Power Industry	Other Biomass	89,567	0.1%
2014 TN Total Electric Power Industry Wood and Wood Derived Fuels 972,810	2014	TN	Total Electric Power Industry	Wind	51,140	0.1%
	2014	TN	Total Electric Power Industry	Wood and Wood Derived Fuels	972,810	1.2%
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YEAR	STATE	TYPE OF PRODUCER	ENERGY SOURCE	GENERATION	]., , <b>-</b> , ,
2014	TX	Total Floatria Dougar Industry	Total	(Megawatthours) 437,629,668	% of Total
2014	TX	Total Electric Power Industry  Total Electric Power Industry	Coal	148,173,726	
2014	TX	Total Electric Power Industry  Total Electric Power Industry	Hydroelectric Conventional	385,898	
2014	TX	Total Electric Power Industry  Total Electric Power Industry	Natural Gas	204,721,155	
2014	TX	Total Electric Power Industry  Total Electric Power Industry	Nuclear	39,287,443	
2014	TX	Total Electric Power Industry  Total Electric Power Industry	Other Gases	2,306,672	0.5%
2014	TX	Total Electric Power Industry  Total Electric Power Industry	Other	381,027	0.5%
2014	TX	Total Electric Power Industry  Total Electric Power Industry	Petroleum	278,033	
2014	TX	Total Electric Power Industry  Total Electric Power Industry	Solar Thermal and Photovoltaic	282,351	0.1%
2014	TX	Total Electric Power Industry  Total Electric Power Industry	Other Biomass	733,454	
2014	TX	Total Electric Power Industry  Total Electric Power Industry	Wind	40,005,124	
2014	TX	Total Electric Power Industry  Total Electric Power Industry	Wood and Wood Derived Fuels	1,074,785	
2014	17	Total Electric Fower industry	Wood and Wood Derived Fuels	1,074,765	0.2./0
2014	US-Total	Total Electric Power Industry	Total	4,093,606,005	1
2014	US-Total	Total Electric Power Industry	Coal	1,581,710,350	
2014	US-Total	Total Electric Power Industry	Geothermal	15,876,941	0.4%
2014	US-Total	Total Electric Power Industry	Pumped Storage	-6,173,548	
2014	US-Total	Total Electric Power Industry	Hydroelectric Conventional	259,366,622	6.3%
2014	US-Total	Total Electric Power Industry	Natural Gas	1,126,608,958	
2014	US-Total	Total Electric Power Industry	Nuclear	797,165,982	
2014	US-Total	Total Electric Power Industry	Other Gases	12,021,786	
2014	US-Total	Total Electric Power Industry	Other	13,461,295	
2014	US-Total	Total Electric Power Industry	Petroleum	30,231,862	
2014	US-Total	Total Electric Power Industry	Solar Thermal and Photovoltaic	17,691,031	0.4%
2014	US-Total	Total Electric Power Industry	Other Biomass	21,649,719	0.5%
2014	US-Total	Total Electric Power Industry	Wind	181,655,282	4.4%
2014	US-Total	Total Electric Power Industry	Wood and Wood Derived Fuels	42,339,725	1.0%
2014	UT	Total Electric Power Industry	Total	43,784,526	
2014	UT	Total Electric Power Industry	Coal	33,376,688	76.2%
2014	UT	Total Electric Power Industry	Geothermal	521,582	1.2%
2014	UT	Total Electric Power Industry	Hydroelectric Conventional	632,823	1.4%
2014	UT	Total Electric Power Industry	Natural Gas	8,376,420	19.1%
2014	UT	Total Electric Power Industry	Other Gases	0	0.070
2014	UT	Total Electric Power Industry	Other	117,979	
2014	UT	Total Electric Power Industry	Petroleum	24,318	0.1%
2014	UT	Total Electric Power Industry	Solar Thermal and Photovoltaic	2,235	
2014	UT	Total Electric Power Industry	Other Biomass	72,530	0.2%

YEAR	STATE	TYPE OF PRODUCER	ENERGY SOURCE	GENERATION	]
		T. I.F B	)A(: 1	(Megawatthours)	% of Total
2014	UT	Total Electric Power Industry	Wind	659,951	1.5%
2211	374	T (15) (1 B ) (1 f	T	77.407.400	-
2014	VA	Total Electric Power Industry	Total	77,137,438	
2014	VA	Total Electric Power Industry	Coal	20,818,584	
2014	VA	Total Electric Power Industry	Pumped Storage	-1,295,354	-1.7%
2014	VA	Total Electric Power Industry	Hydroelectric Conventional	955,188	
2014	VA	Total Electric Power Industry	Natural Gas	20,881,566	
2014	VA	Total Electric Power Industry	Nuclear	30,220,977	39.2%
2014	VA	Total Electric Power Industry	Other	499,767	0.6%
2014	VA	Total Electric Power Industry	Petroleum	1,204,907	1.6%
2014	VA	Total Electric Power Industry	Other Biomass	1,097,011	1.4%
2014	VA	Total Electric Power Industry	Wood and Wood Derived Fuels	2,754,793	3.6%
2014	VT	Total Electric Power Industry	Total	7,031,394	
2014	VT	Total Electric Power Industry	Hydroelectric Conventional	1,175,321	16.7%
2014	VT	Total Electric Power Industry	Natural Gas	2,465	
2014	VT	Total Electric Power Industry	Nuclear	5,060,582	72.0%
2014	VT	Total Electric Power Industry	Petroleum	5,473	0.1%
2014	VT	Total Electric Power Industry	Solar Thermal and Photovoltaic	23,536	
2014	VT	Total Electric Power Industry	Other Biomass	23,489	
2014	VT	Total Electric Power Industry	Wind	311,310	
2014	VT	Total Electric Power Industry	Wood and Wood Derived Fuels	429,218	6.1%
2014	WA	Total Electric Power Industry	Total	116,334,363	
2014	WA	Total Electric Power Industry	Coal	6,719,928	
2014	WA	Total Electric Power Industry	Pumped Storage	-4,753	0.0%
2014	WA	Total Electric Power Industry	Hydroelectric Conventional	79,463,144	
2014	WA	Total Electric Power Industry	Natural Gas	11,058,815	
2014	WA	Total Electric Power Industry	Nuclear	9,497,321	8.2%
2014	WA	Total Electric Power Industry	Other Gases	336,932	0.3%
2014	WA	Total Electric Power Industry	Other	131,267	0.1%
2014	WA	Total Electric Power Industry	Petroleum	23,541	0.0%
2014	WA	Total Electric Power Industry	Solar Thermal and Photovoltaic	729	0.0%
2014	WA	Total Electric Power Industry	Other Biomass	313,080	0.3%
2014	WA	Total Electric Power Industry	Wind	7,267,794	6.2%
2014	WA	Total Electric Power Industry	Wood and Wood Derived Fuels	1,526,564	1.3%
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2014	WI	Total Electric Power Industry	Total	61,064,796	

YEAR	STATE	TYPE OF PRODUCER	ENERGY SOURCE	GENERATION	]
ILAN				(Megawatthours)	% of Total
2014	WI	Total Electric Power Industry	Coal	37,449,264	
2014	WI	Total Electric Power Industry	Hydroelectric Conventional	2,471,773	
2014	WI	Total Electric Power Industry	Natural Gas	8,053,503	
2014	WI	Total Electric Power Industry	Nuclear	9,447,096	
2014	WI	Total Electric Power Industry	Other	61,737	0.1%
2014	WI	Total Electric Power Industry	Petroleum	319,032	0.5%
2014	WI	Total Electric Power Industry	Solar Thermal and Photovoltaic	1,194	0.0%
2014	WI	Total Electric Power Industry	Other Biomass	542,315	0.9%
2014	WI	Total Electric Power Industry	Wind	1,618,001	2.6%
2014	WI	Total Electric Power Industry	Wood and Wood Derived Fuels	1,100,881	1.8%
2014	WV	Total Electric Power Industry	Total	81,059,577	
2014	WV	Total Electric Power Industry	Coal	77,514,645	95.6%
2014	WV	Total Electric Power Industry	Hydroelectric Conventional	1,241,974	1.5%
2014	WV	Total Electric Power Industry	Natural Gas	653,302	0.8%
2014	WV	Total Electric Power Industry	Other Gases	30,878	0.0%
2014	WV	Total Electric Power Industry	Other	0	0.0%
2014	WV	Total Electric Power Industry	Petroleum	162,780	0.2%
2014	WV	Total Electric Power Industry	Other Biomass	4,615	0.0%
2014	WV	Total Electric Power Industry	Wind	1,451,383	1.8%
2014	WY	Total Electric Power Industry	Total	49,696,183	
2014	WY	Total Electric Power Industry	Coal	43,408,651	87.3%
2014	WY	Total Electric Power Industry	Hydroelectric Conventional	868,710	1.7%
2014	WY	Total Electric Power Industry	Natural Gas	557,121	1.1%
2014	WY	Total Electric Power Industry	Other Gases	336,768	0.7%
2014	WY	Total Electric Power Industry	Other	74,053	0.1%
2014	WY	Total Electric Power Industry	Petroleum	45,123	0.1%
2014	WY	Total Electric Power Industry	Wind	4,405,757	8.9%

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