

2025 LES Competitive Market Study

01/28/2025



Lincoln Electric System



Competitive Market Study

TABLE OF CONTENTS

Executive Summary	• 1
Electricity Pricing Metrics	• 5
Affordability Metrics	• 26
Electric Reliability Metrics	• 35
Appendix	• 42

TABLE OF FIGURES

Figure 1: Residential Average All-In Price - Lowest 50 Cities	• 10
Figure 2: Commercial Average All-In Price - Lowest 50 Cities	• 11
Figure 3: Industrial Average All-In Price - Lowest 50 Cities	• 12
Figure 4: All Retail Sectors Average All-In Price - Lowest 50 Cities	• 13
Figure 5: State Residential Average All-In Price	• 14
Figure 6: State Commercial Average All-In Price	• 15
Figure 7: State Industrial Average All-In Price	• 16
Figure 8: State All Retail Sectors Average All-In Price	• 17
Figure 9: Residential All-In Price Stability - Lowest 50 Cities	• 18
Figure 10: Commercial All-In Price Stability - Lowest 50 Cities	• 19
Figure 11: Industrial All-In Price Stability - Lowest 50 Cities	• 20
Figure 12: All Retail Sectors All-In Price Stability - Lowest 50 Cities	• 21
Figure 13: State Residential All-In Price Stability	• 22
Figure 14: State Commercial All-In Price Stability	• 23
Figure 15: State Industrial All-In Price Stability	• 24
Figure 16: State All Retail Sectors All-In Price Stability	• 25
Figure 17: Average Monthly Residential Bill - Lowest 50 Cities	• 29
Figure 18: Average Residential Cost per Day - Lowest 50 Cities	• 30
Figure 19: Residential Electric Bill Percent of Household Income - Lowest 50 Cities	• 31
Figure 20: State Average Monthly Residential Bill	• 32
Figure 21: State Average Monthly Residential Bill	• 33
Figure 22: State Residential Electric Bill Percent of Household Income	• 34
Figure 23: System Average Interruption Duration Index (SAIDI) with Major Event Days - Lowest 50 Cities	• 38
Figure 24: System Average Interruption Duration Index (SAIDI) without Major Event Days - Lowest 50 Cities	• 39
Figure 25: State System Average Interruption Duration Index (SAIDI) with Major Events	• 40
Figure 26: State System Average Interruption Duration Index (SAIDI) without Major Events	• 41



APPENDIX TABLES

Table 1: Residential Average All-In Price - Cities	• 43
Table 2: Commercial Average All-In Price - Cities	• 45
Table 3: Industrial Average All-In Price - Cities	• 47
Table 4: All Retail Sectors Average All-In Price - Cities	• 49
Table 5: Residential Average All-In Price (cents/kWh) Rank Changes - Cities	• 51
Table 6: Commercial Average All-In Price (cents/kWh) Rank Changes - Cities	• 53
Table 7: Industrial Average All-In Price (cents/kWh) Rank Changes - Cities	• 55
Table 8: All Retail Sectors Average All-In Price (cents/kWh) Rank Changes - Cities	• 57
Table 9: Residential Average Price All-In Price - States	• 59
Table 10: Commercial Average Price All-In Price - States	• 60
Table 11: Industrial Average All-In Price - States	• 61
Table 12: All Retail Sectors Average All-In Price - States	• 62
Table 13: Residential All-In Price Stability - Cities	• 63
Table 14: Commercial All-In Price Stability - Cities	• 65
Table 15: Industrial All-In Price Stability - Cities	• 67
Table 16: All Retail Sectors All-In Price Stability - Cities	• 69
Table 17: Residential All-In Price Stability Rank Changes - Cities	• 71
Table 18: Commercial All-In Price Stability Rank Changes - Cities	• 73
Table 19: Industrial All-In Price Stability Rank Changes - Cities	• 75
Table 20: All Retail Sectors All-In Price Stability Rank Changes - Cities	• 77
Table 21: Residential All-In Price Stability - States	• 79
Table 22: Commercial All-In Price Stability - States	• 80
Table 23: Industrial All-In Price Stability - States	• 81
Table 24: All Retail Sectors All-In Price Stability - States	• 82
Table 25: Average Monthly Residential Bill - Cities	• 83
Table 26: Average Residential Cost per Day - Cities	• 85
Table 27: Residential Electric Bill Percent of Household Income - Cities	• 87
Table 28: Average Monthly Residential Bill Rank Changes- Cities	• 89
Table 29: Average Residential Cost per Day Rank Changes – Cities	• 91
Table 30: Residential Electric Bill Percent of Household Income Rank Changes - Cities	• 93
Table 31: Average Monthly Residential Bill - States	• 95
Table 32: Average Residential Cost per Day - States	• 96
Table 33: Residential Electric Bill Percent of Household Income - States	• 97



Competitive Market Study

Table 34: System Average Interruption Duration Index (SAIDI) with Major Event Days - Cities • 98

Table 35: System Average Interruption Duration Index (SAIDI) without Major Event Days - Cities • 100

Table 36: System Average Interruption Duration Index (SAIDI) with Major Event Days Rank Changes - Cities • 102

Table 37: System Average Interruption Duration Index (SAIDI) without Major Event Days Rank Changes - Cities • 104

Table 38: System Average Interruption Duration Index (SAIDI) with Major Event Days - States • 106

Table 39: System Average Interruption Duration Index (SAIDI) without Major Event Days - States • 107



Competitive Market Study

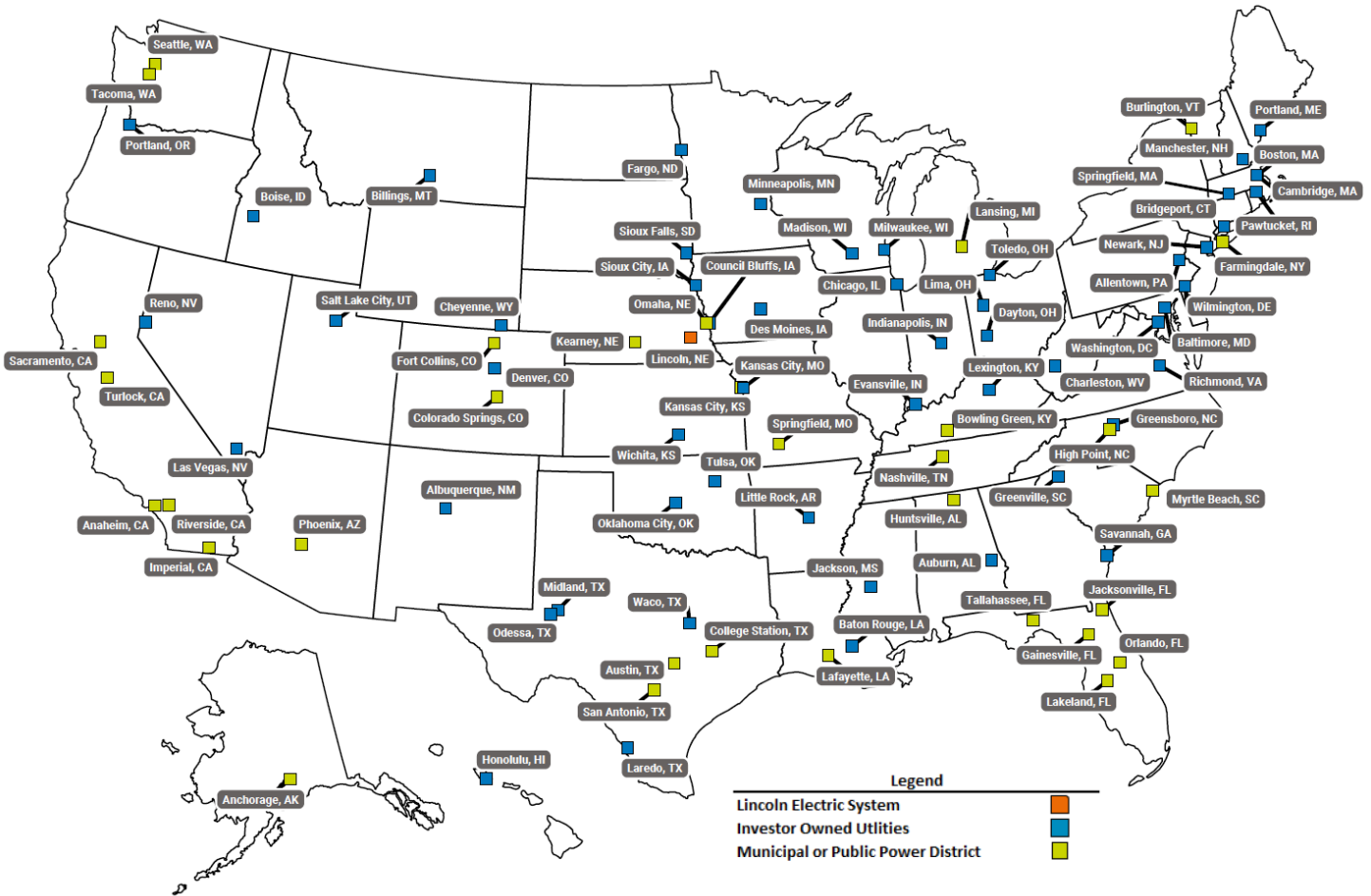
EXECUTIVE SUMMARY

The Lincoln Electric System (LES) Competitive Market Study is a comprehensive report comparing electric utility performance metrics for LES and Nebraska against those of 87 U.S. cities, all 50 states, and the District of Columbia. The study evaluates three key benchmarks of utility performance: prices, affordability, and reliability, using the most current available data from 2023.

LES is recognized for providing some of the nation’s lowest-cost and most reliable services, making it a strong community partner. Based on 2023 data, LES ranked 9th out of 87 cities for the lowest average all-in price and 2nd for the lowest residential all-in price. Additionally, LES ranked 4th for the most stable rates over the past ten years. In terms of reliability (excluding major event days), LES ranks 2nd overall.

With an average residential bill of \$86.73 per month, or \$2.85 per day, LES is ranked 10th lowest overall. LES’ affordability is further demonstrated by its 16th-place ranking for lowest residential bill as a percentage of household income.

The map below displays the 87 selected U.S. cities. These cities commonly compete with Lincoln, NE, for economic development site selection and are served by regional and peer utilities to LES.





Competitive Market Study

The following table shows the ranking results (lower values being better) for LES and Nebraska benchmarked by their average all-in price of electricity. Further details on this metric and ranking can be found in the LES and Nebraska rank changes and the electricity pricing metric section (pgs. 5 - 9).

Average All-In Price Metrics Rankings				
Metric	LES (Cents/kWh)	LES Ranking ¹ (Out of 87 Cities)	NE (Cents/kWh)	NE Ranking (Out of 51 States)
Residential	10.22	2	11.20	4
Commercial	8.17	3	8.76	3
Industrial	6.83	17	7.63	23
All Retail Sectors	8.82	9	9.14	6

Below are the ranking results for LES and Nebraska benchmarked by their average price stability metric. Further details on this metric can be found in the LES and Nebraska rank changes and the electricity pricing metric section (pgs. 5 - 9).

Price Stability Metrics Rankings				
Metric	LES Stability	LES Ranking ¹ (Out of 87 Cities)	NE Stability	NE Ranking (Out of 51 States)
Residential	1.83%	5	1.41%	1
Commercial	1.50%	3	0.67%	1
Industrial	2.13%	4	1.68%	1
All Retail Sectors	1.59%	4	1.14%	1

The following table shows the ranking results for LES and Nebraska benchmarked by their average monthly residential bill, residential average cost per day, and residential electric bill % of household income. Further details on these metrics can be found in the LES and Nebraska rank changes and the affordability metrics sections (pgs. 26 - 28).

Affordability Metrics Rankings				
Metric	LES Metric Value	LES Ranking (Out of 87 Cities)	NE Metric Value	NE Ranking (Out of 51 States)
Average Monthly Residential Bill	\$ 86.73	10	\$ 111.52	12
Residential Average Cost per Day	\$ 2.85	10	\$ 3.67	12
Residential Electric Bill % of Household Income	1.49%	16	1.78%	14

The final table shows the ranking results for LES and Nebraska benchmarked by their respective system average interruption duration index (SAIDI) with and without major event days metrics. Further details on these metrics can be found in the LES and Nebraska rank changes and the reliability metrics sections (pgs. 35 - 37).

Reliability Metrics Rankings				
Metric	LES Reliability	LES Ranking ¹ (Out of 82 Cities)	NE Reliability	NE Ranking (Out of 51 States)
SAIDI With Major Event Day	19.10	1	72.64	2
SAIDI Without Major Event Day	19.10	2	56.75	4

¹ College Station Utilities, Lafayette Utilities System, Orlando Utilities Commission, City of Tallahassee Electric Utility, Long Island Power Authority, and Potomac Electric Power Company are not included in industrial rankings for both metrics as they don't report industrial revenue to EIA.

² SAIDI values with and without MED rankings don't include TXU Energy, Reliant Energy, and City Burlington Electric as they do not report these values to EIA. SAIDI values without MED rankings also exclude City Utilities of Springfield, Chugach Electric Association Incorporated, and City of Tallahassee Electric Utility.



Competitive Market Study

LES experienced slight decreases in rankings across most categories. Despite a 4.8% retail rate adjustment, the average price for all retail sectors maintained a top ten ranking, and price stability remained within the top five across all sectors. The LES service territory has consistently benefited from a low cost of living, with affordability being a top priority. This commitment continued in 2023, as electric bills remained competitive as a percentage of household income.

Reliability has always been a cornerstone of LES, reflected in its impressive 1st and 2nd place rankings in SAIDI with and without major event days, respectively. Further details on rank changes for other utilities are provided in each category's section.

LES Ranking Changes Current Year vs Prior Year			
Category	Current Year	Prior Year	Rank Change
Average Price Metrics			
<i>Residential</i>	2	1	-1
<i>Commercial</i>	3	2	-1
<i>Industrial</i>	17	13	-4
<i>All Retail Sectors</i>	9	8	-1
Price Stability Metrics			
<i>Residential</i>	5	4	-1
<i>Commercial</i>	3	3	0
<i>Industrial</i>	4	4	0
<i>All Retail Sectors</i>	4	4	0
Affordability Metrics			
<i>Average Monthly Residential Bill</i>	10	7	-3
<i>Residential Average Cost per Day</i>	10	7	-3
<i>Residential Electric Bill % of Household Income</i>	16	12	-4
Reliability Metrics			
<i>SAIDI With Major Event Day</i>	1	2	1
<i>SAIDI Without Major Event Day</i>	2	1	-1



Competitive Market Study

Overall, Nebraska maintained robust rankings across all categories. The average price in all retail sectors continues to be in the top ten, while Price Stability holds the 1st ranking across all sector categories. Affordability remains consistent, with a slight drop in ranking in the residential electric bill as a percentage of household income. Reliability remains strong with a slight improvement in ranking from 4th to 2nd in SAIDI with major event days.

Nebraska Ranking Changes			
Current Year vs Prior Year			
Category	Current Year	Prior Year	Rank Change
Average Price Metrics			
<i>Residential</i>	4	3	-1
<i>Commercial</i>	3	5	2
<i>Industrial</i>	23	15	-8
<i>All Retail Sectors</i>	6	5	-1
Price Stability Metrics			
<i>Residential</i>	1	2	1
<i>Commercial</i>	1	1	0
<i>Industrial</i>	1	1	0
<i>All Retail Sectors</i>	1	1	0
Affordability Metrics			
<i>Average Monthly Residential Bill</i>	12	12	0
<i>Residential Average Cost per Day</i>	12	12	0
<i>Residential Electric Bill % of Household Income</i>	14	17	3
Reliability Metrics			
<i>SAIDI With Major Event Day</i>	2	4	2
<i>SAIDI Without Major Event Day</i>	4	4	0



Competitive Market Study: Electricity Pricing Metrics

ELECTRICITY PRICING METRICS



Electricity prices reflect the costs incurred by a utility to serve customers, encompassing the expenses to build, finance, maintain, and operate the electrical grid and power plants. These metrics are crucial for customers as they indicate the cost of providing electricity and are essential for measuring a utility's performance.

The metrics used to evaluate electricity prices in this study are the average all-in price per kilowatt-hour (kWh), as calculated by the U.S. Energy Information Administration (EIA), and a custom all-in price stability metric.

The average all-in price per kWh metric was determined for each retail sector (residential, commercial, and industrial) and all retail sectors combined using 2023 EIA data. This metric was computed using EIA's method, which is calculated by dividing retail sector revenue by total electricity sales in that sector.

Average All-In Price Metrics Rankings				
Metric	LES (Cents/kWh)	LES Ranking ¹ (Out of 87 Cities)	NE (Cents/kWh)	NE Ranking (Out of 51 States)
Residential	10.22	2	11.20	4
Commercial	8.17	3	8.76	3
Industrial	6.83	17	7.63	23
All Retail Sectors	8.82	9	9.14	6

These results show that LES electricity prices for residential and commercial customers are among the nation's lowest. This trend is also observed in Nebraska, where residential and commercial prices are lower than in most states.

The all-in price stability metric measures the stability of electricity prices over time. This metric was computed by taking the average absolute percent change in average prices between 2013 and 2023, using EIA data.

Price Stability Metrics Rankings				
Metric	LES Stability	LES Ranking ¹ (Out of 87 Cities)	NE Stability	NE Ranking (Out of 51 States)
Residential	1.83%	5	1.41%	1
Commercial	1.50%	3	0.67%	1
Industrial	2.13%	4	1.68%	1
All Retail Sectors	1.59%	4	1.14%	1

These results indicate that LES prices are highly stable compared to most cities. Additionally, Nebraska's prices are the most stable in the nation across all classes.

¹ College Station Utilities, Lafayette Utilities System, Orlando Utilities Commission, City of Tallahassee Electric Utility, Long Island Power Authority, and Potomac Electric Power Company are not included in industrial rankings for both metrics as they don't report industrial revenue to EIA.



Competitive Market Study: Electricity Pricing Metrics

Major Electricity Average Price Metric Changes

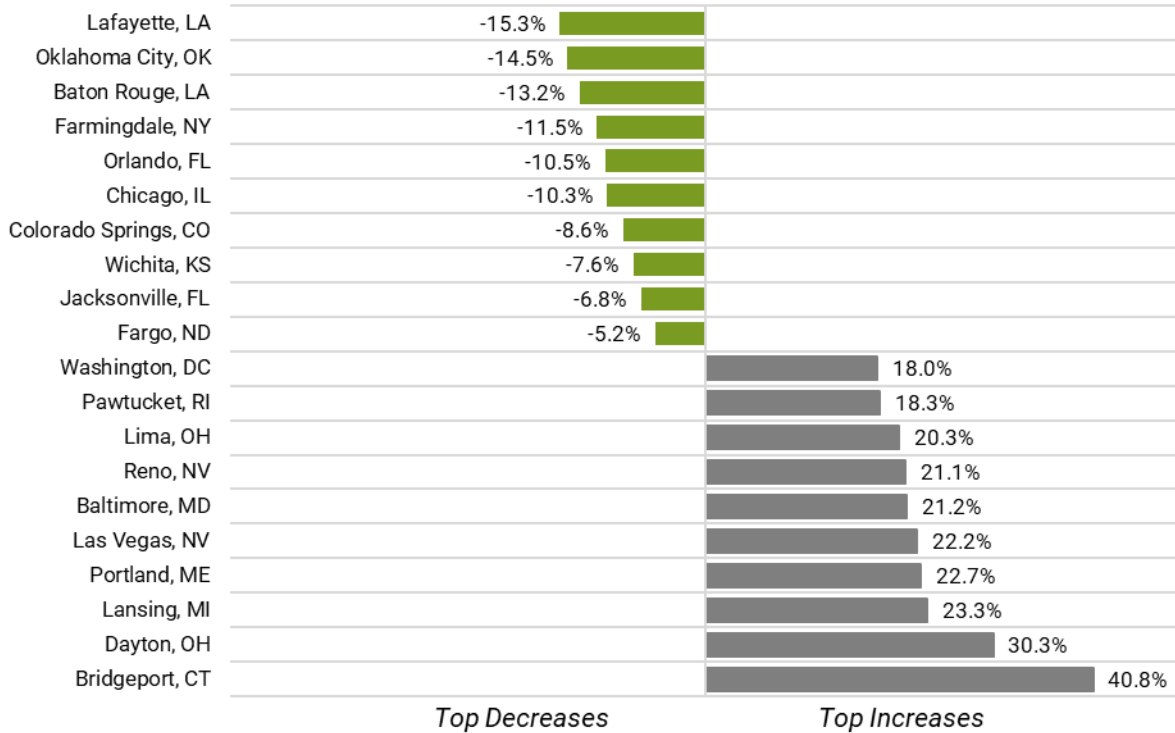
The next two pages display the top ten largest average all-in price per kWh changes for cities by retail sector and all retail sectors combined.

Lower fuel costs, operational efficiencies, and increased use of renewable energy (which have lower marginal costs in some areas) significantly contributed to price decreases for these utilities in 2023.

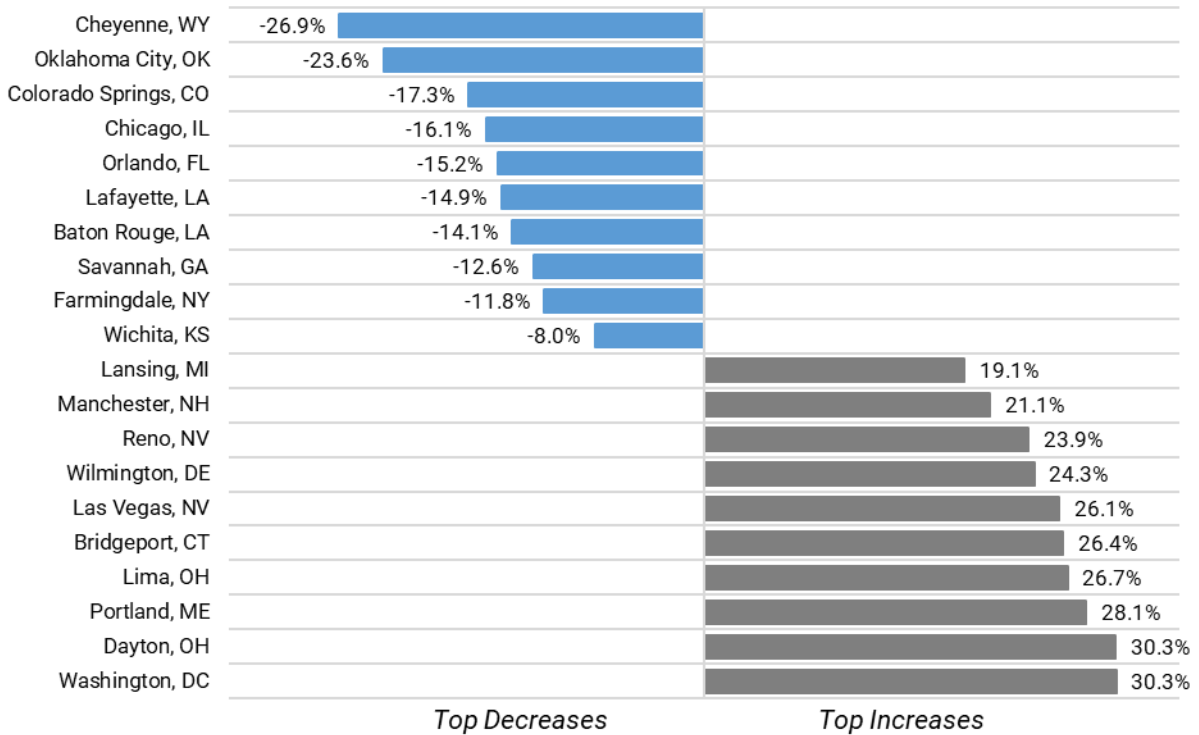
Increases were primarily driven by rate adjustments to cover higher transmission, fuel, and capital costs. Some municipalities, which also operate water and sewer, saw increases in electric rates to cover rising costs in these less economical services.



Top Average Price Changes - Residential

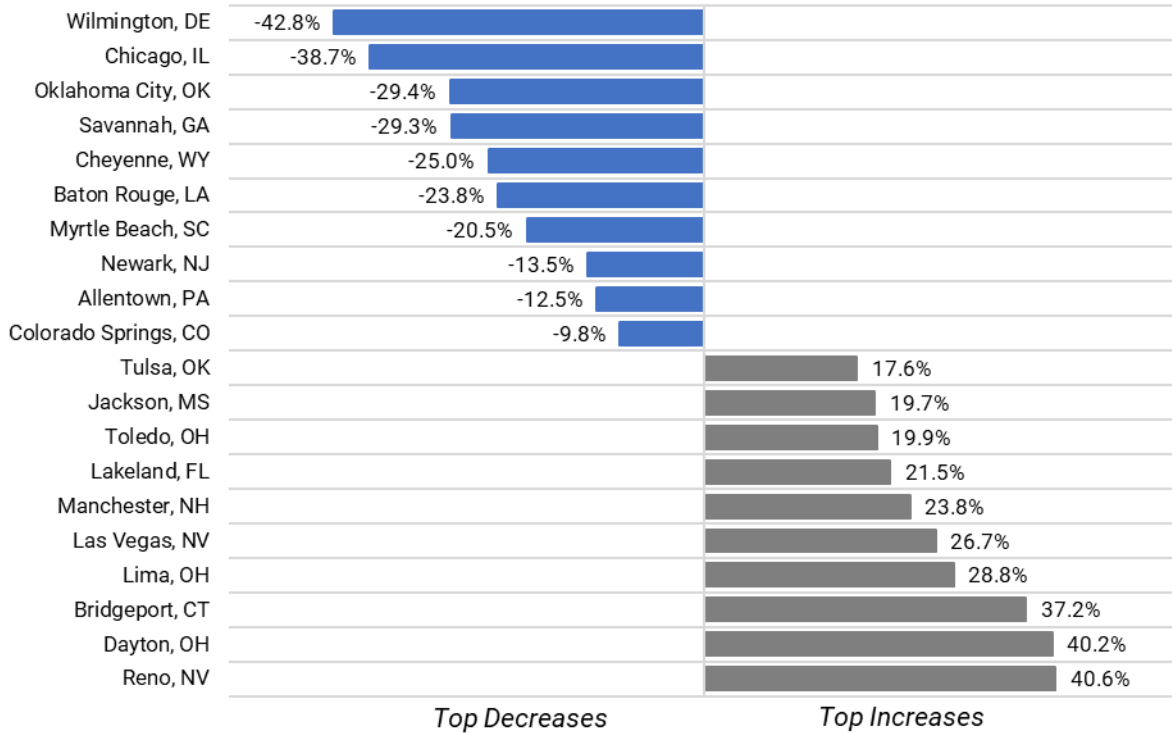


Top Average Price Changes - Commercial

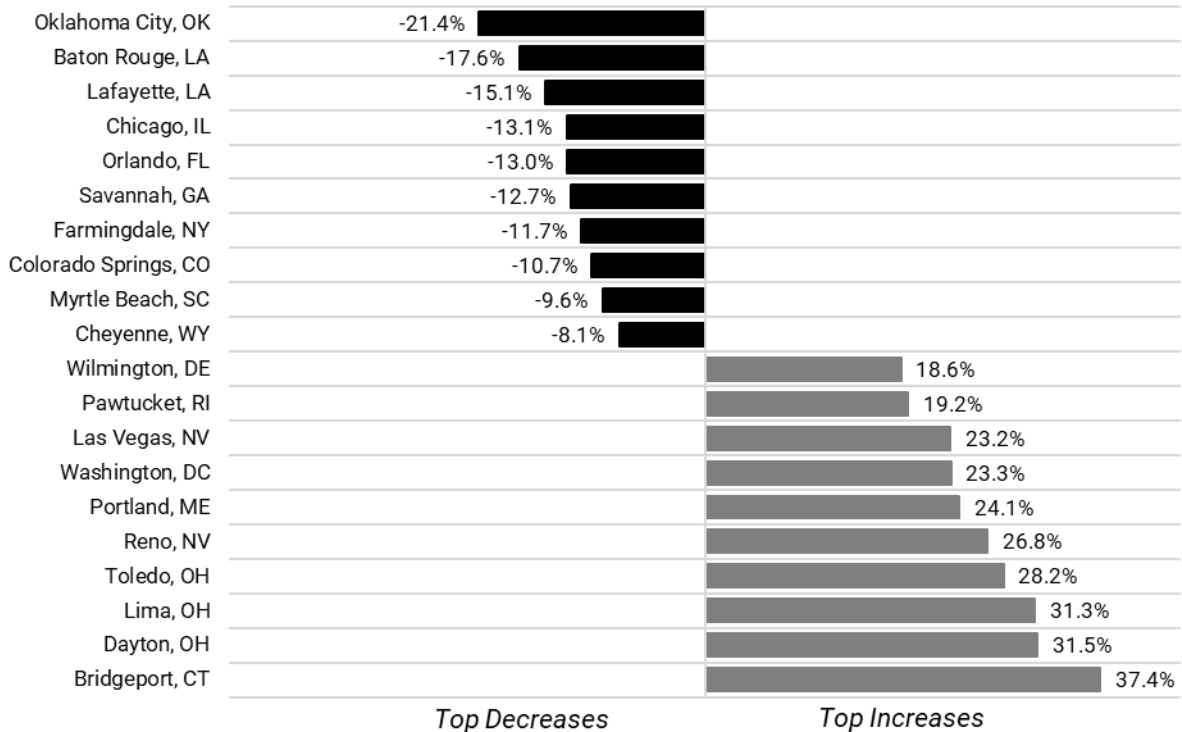




Top Average Price Changes - Industrial



Top Average Price Changes - All Retail Sectors





Competitive Market Study: Electricity Pricing Metrics

Major Electricity Price Stability Metric Changes

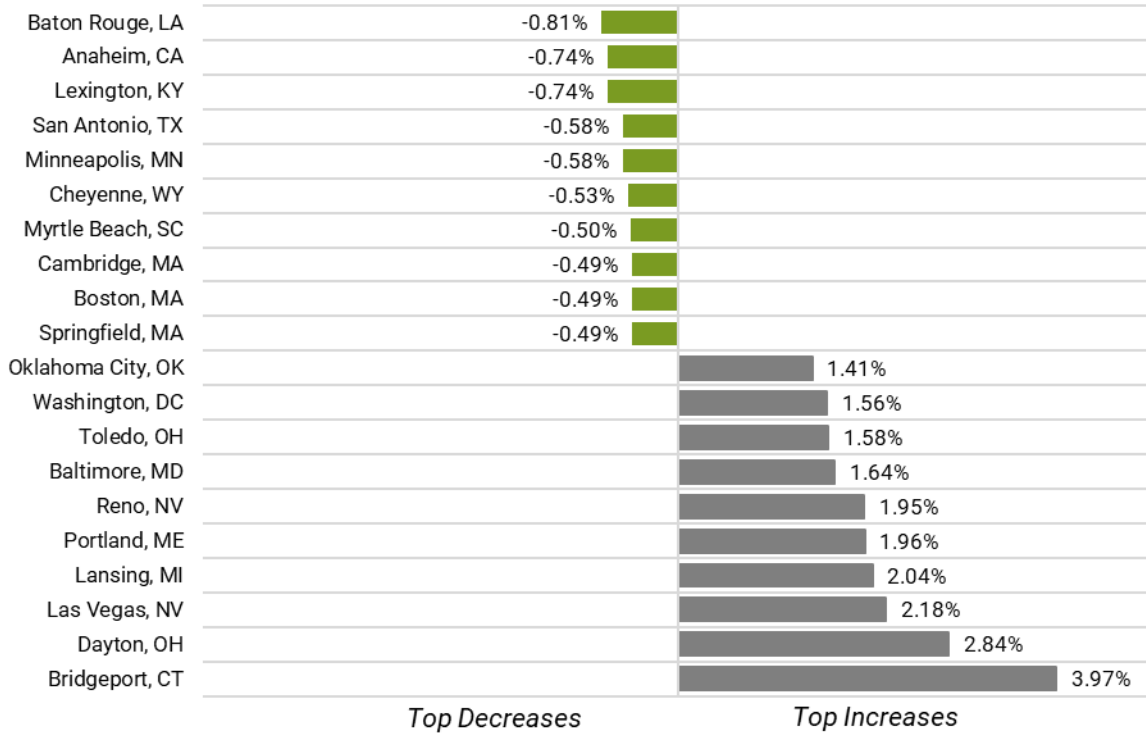
The next two pages display the top ten largest average all-in price per kWh changes for cities by retail sector and all retail sectors combined.

Decreases are due to increases in year-over-year volatility in the reported average prices between 2013-2023. The main driver is a significant average price change in 2023 due to increases in fuel costs, capital projects, operation costs, and the wholesale price of electricity.

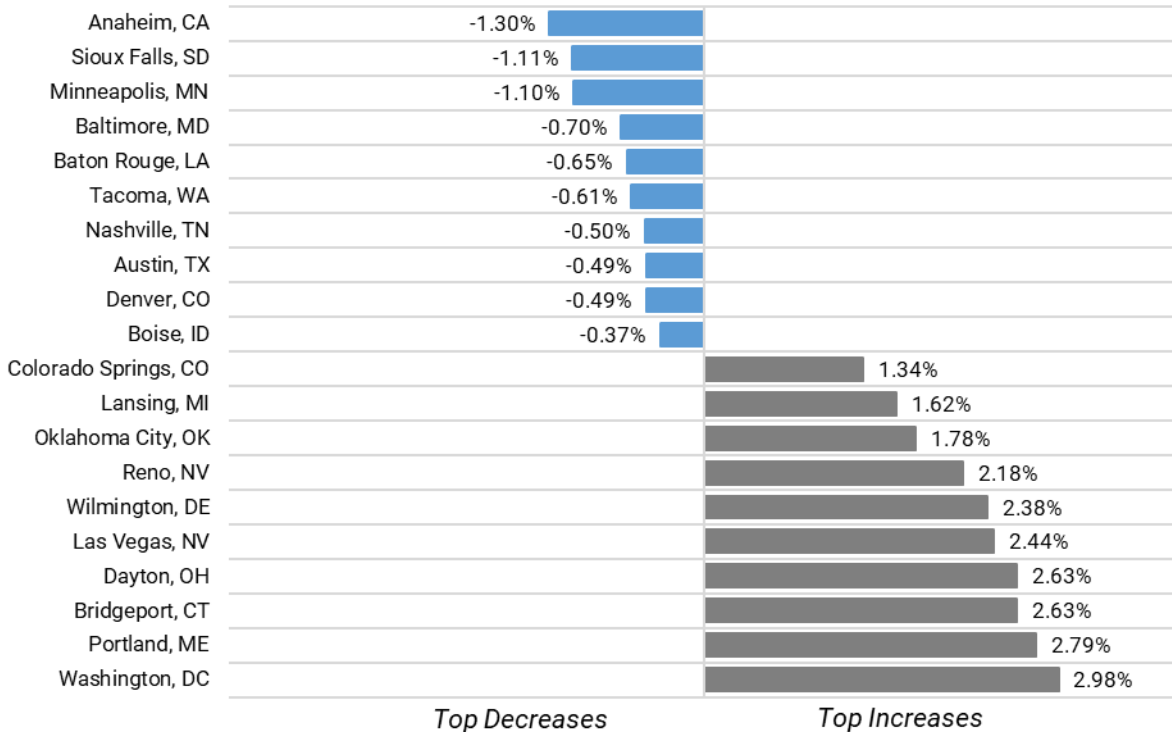
Increases in stability values are driven by the 2013-2023 utilities' average prices being less volatile year-over-year. No single driver drove the changes in volatility; reasons range from 2023's average price magnitude being less volatile than previous years to the previous year's price change being an outlier.



Top All-In Price Stability Changes - Residential



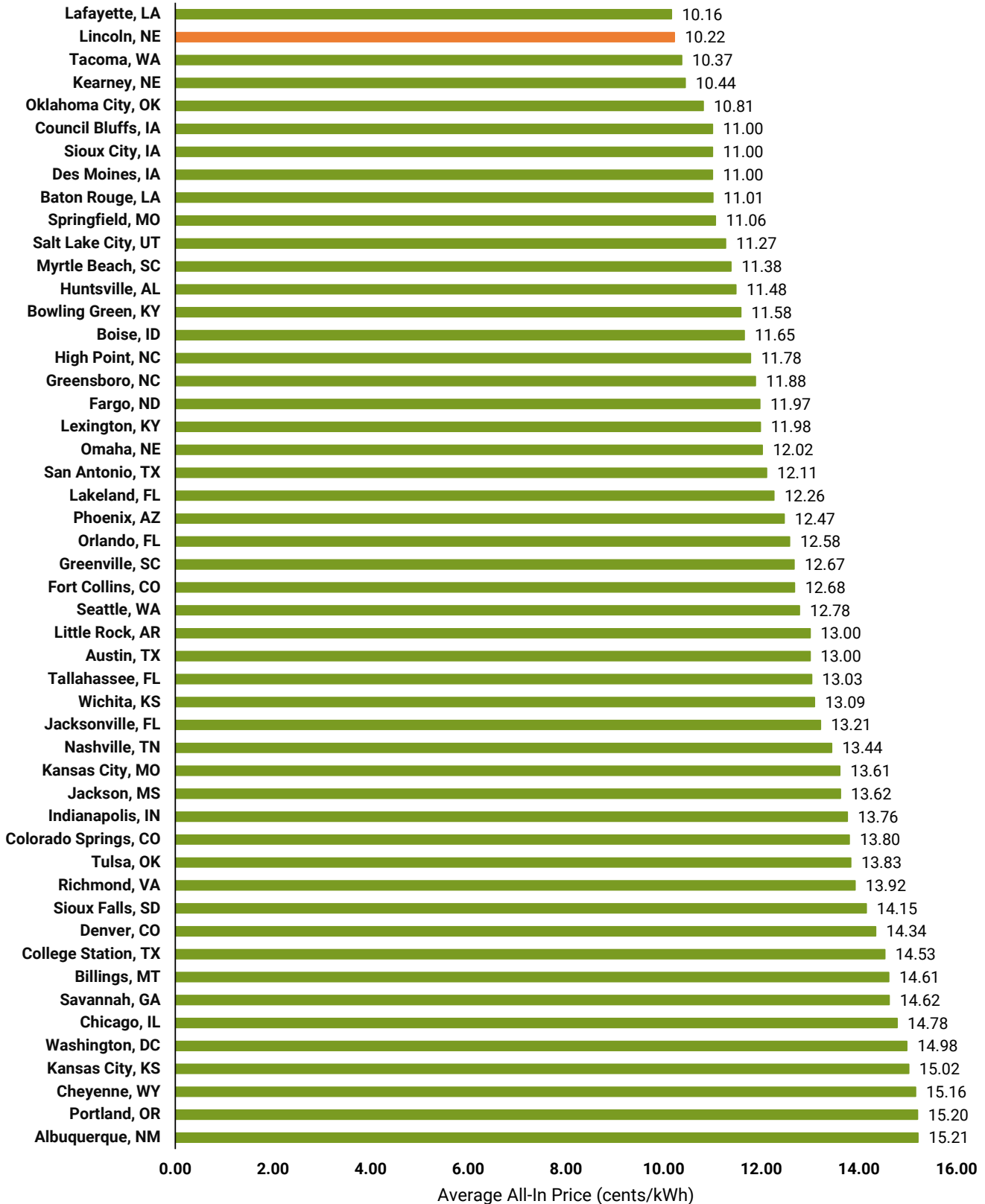
Top All-In Price Stability Changes - Commercial





Competitive Market Study: Electricity Pricing Metrics

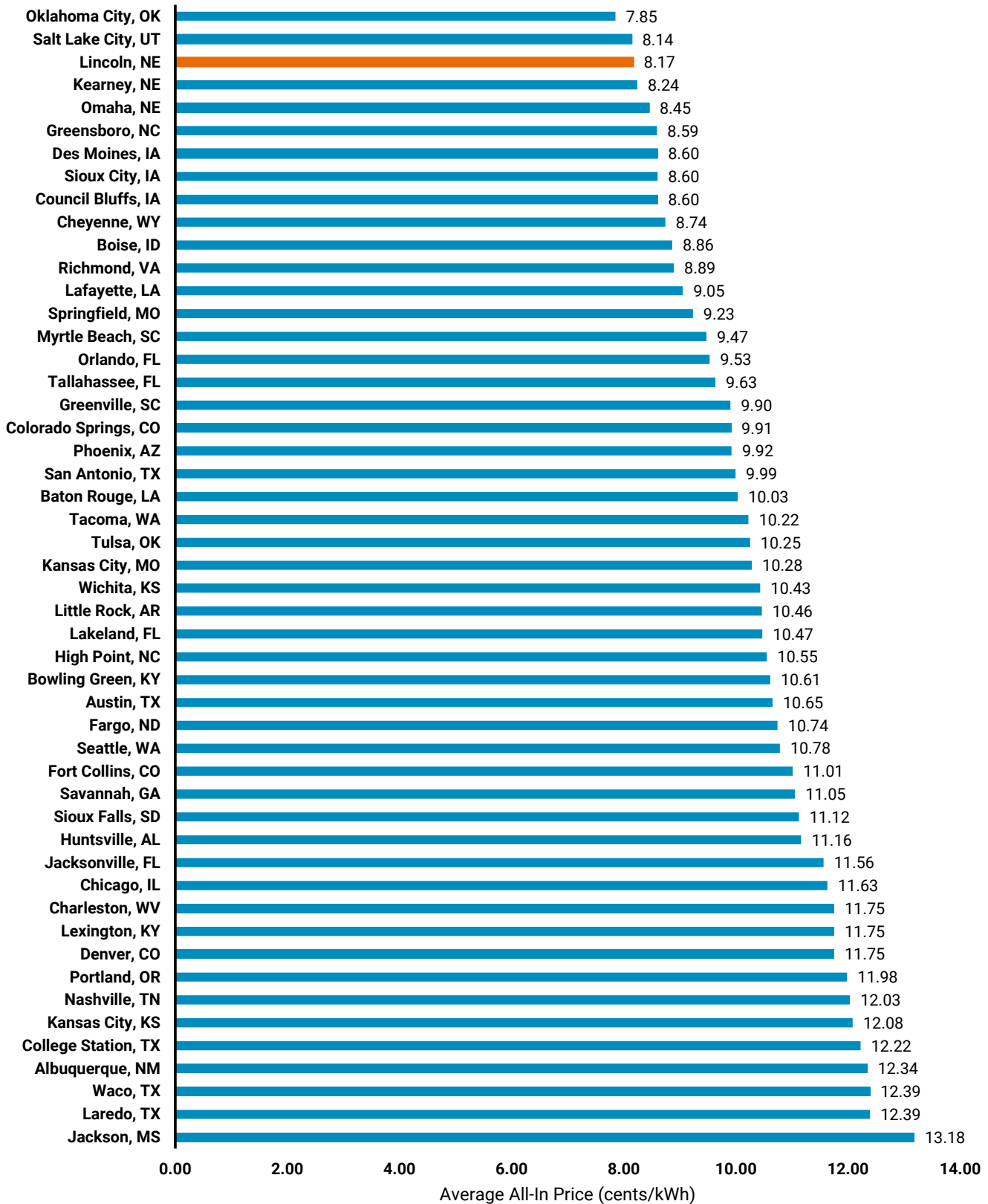
Figure 1: Residential Average All-In Price - The 50 Best-Ranked Cities





Competitive Market Study: Electricity Pricing Metrics

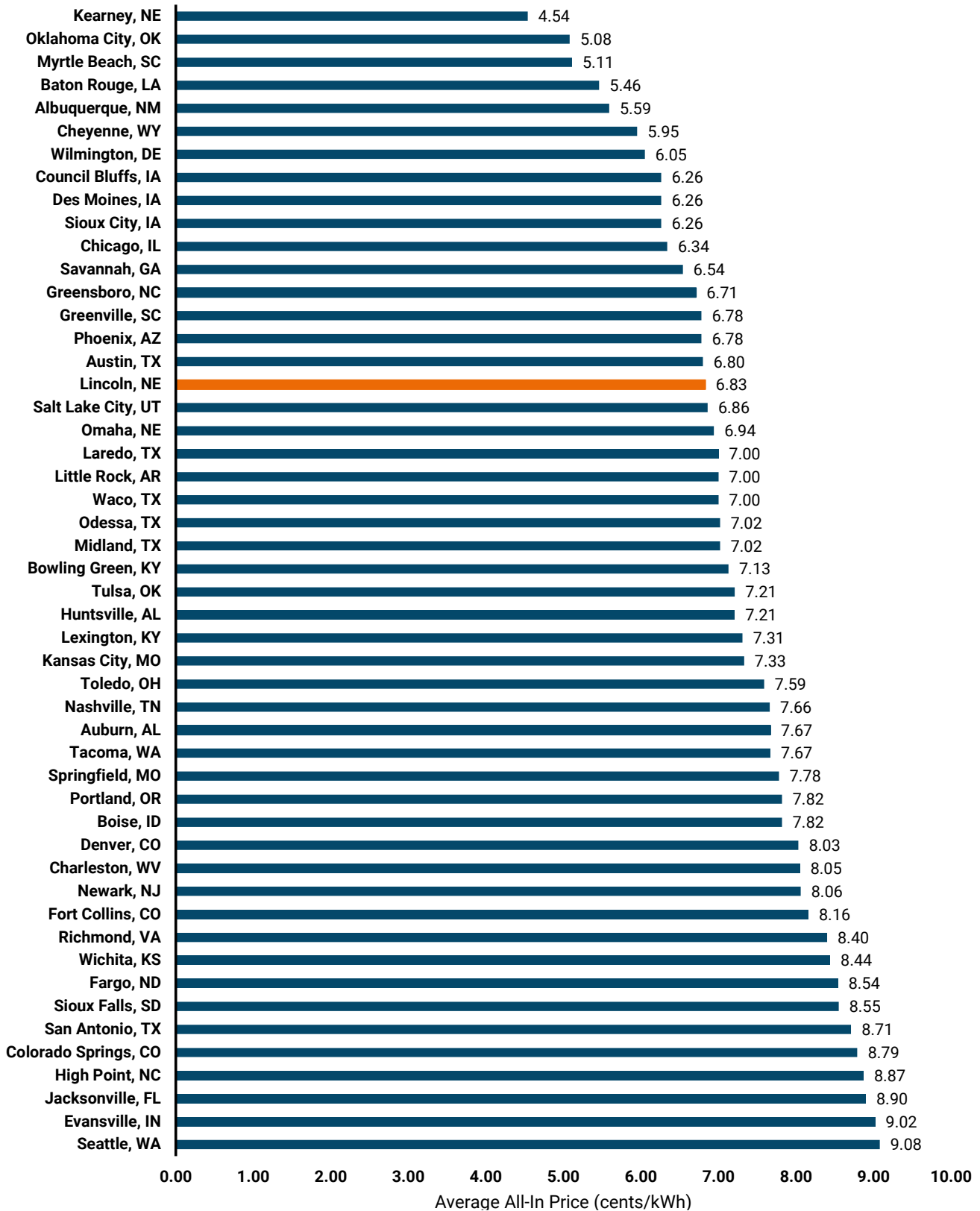
Figure 2: Commercial Average All-In Price - The 50 Best-Ranked Cities





Competitive Market Study: Electricity Pricing Metrics

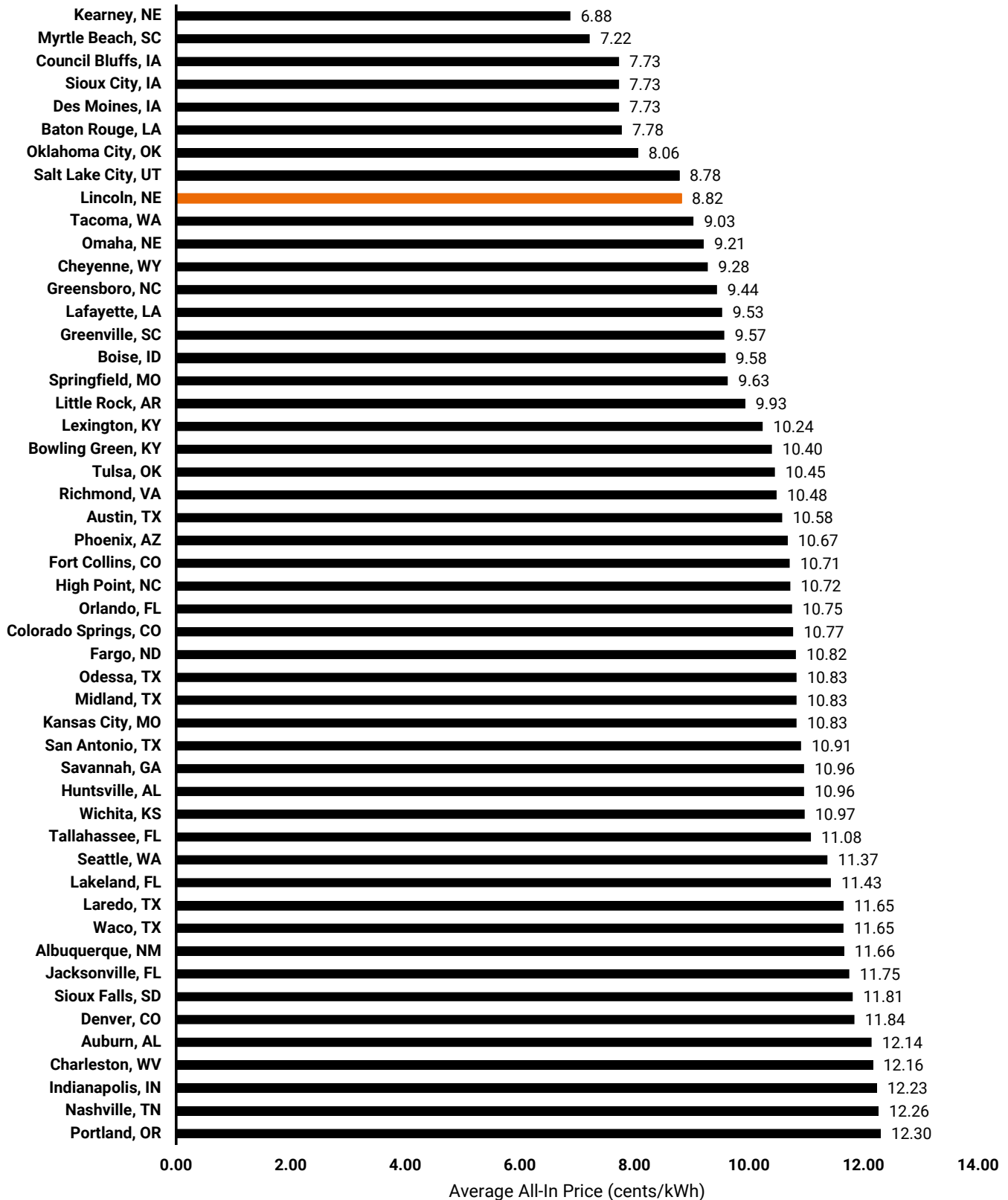
Figure 3: Industrial Average All-In Price - The 50 Best-Ranked Cities





Competitive Market Study: Electricity Pricing Metrics

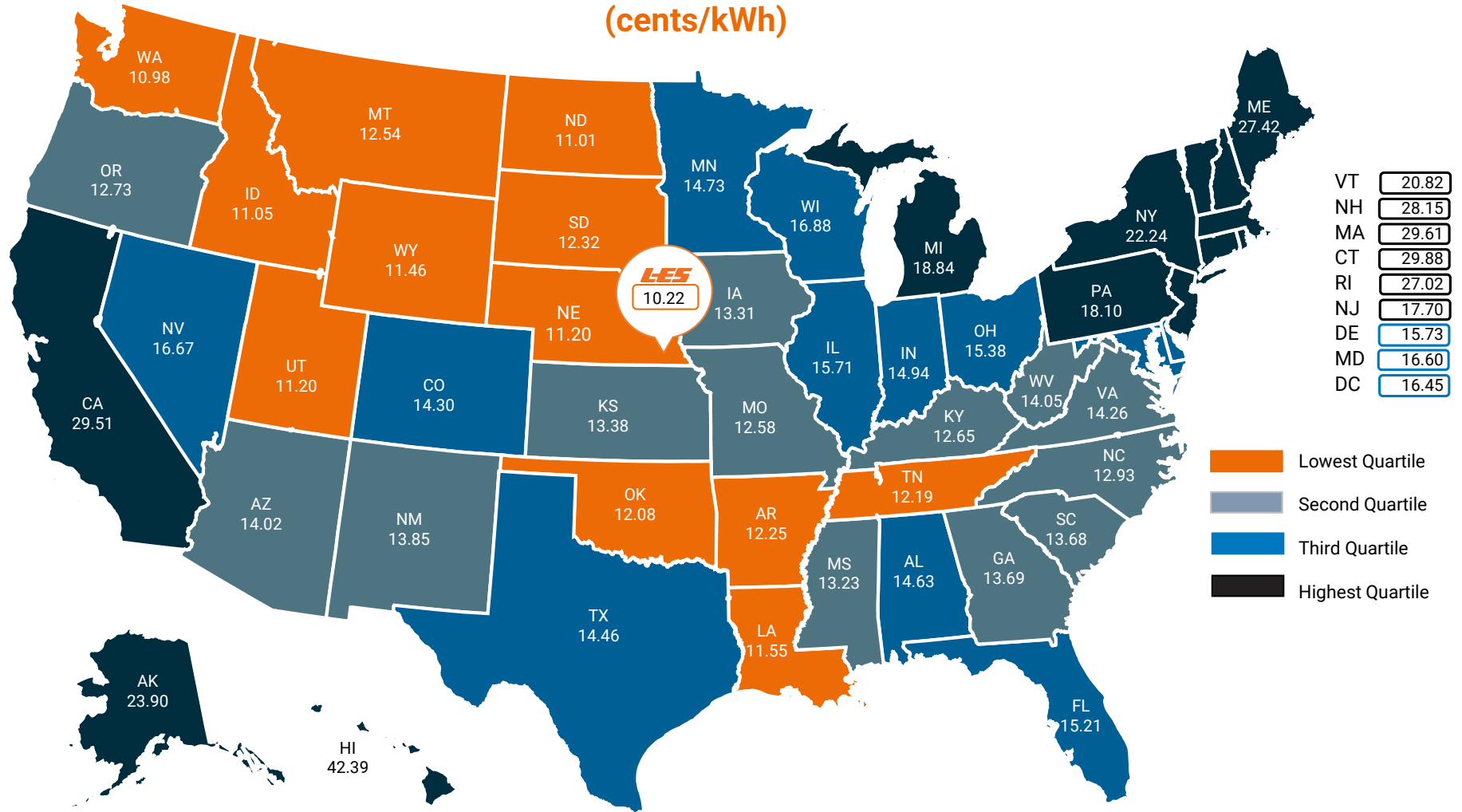
Figure 4: All Retail Sectors Average All-In Price - The 50 Best-Ranked Cities





Competitive Market Study: Electricity Pricing Metrics

Figure 5: State Residential Average All-In Price (cents/kWh)

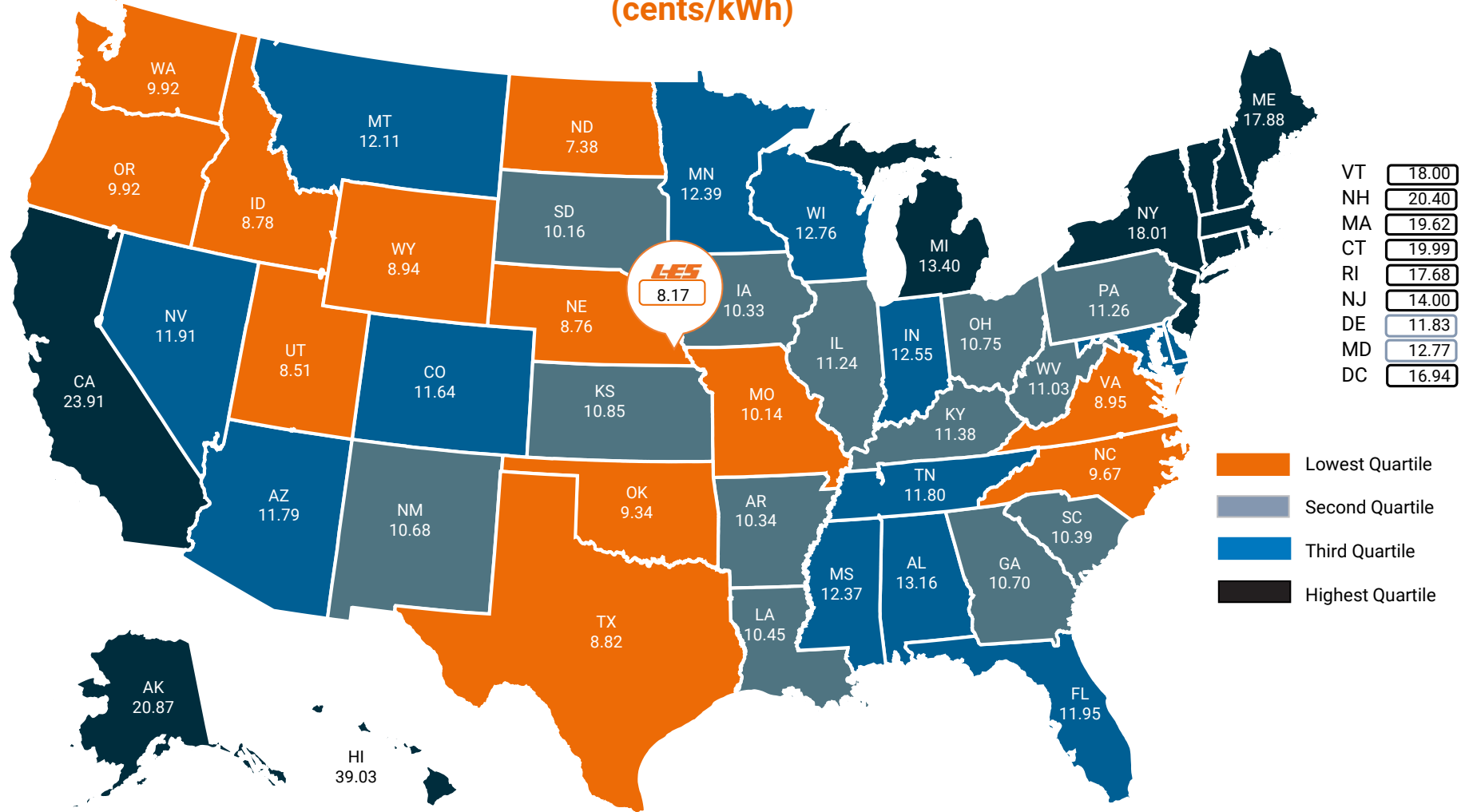


Data Source(s): EIA Electric Sales, Revenue, and Average Price, Table 5A; Form EIA-861 Annual Electric Power Industry Report, Sales to Ultimate Customers



Competitive Market Study: Electricity Pricing Metrics

Figure 6: State Commercial Average All-In Price (cents/kWh)

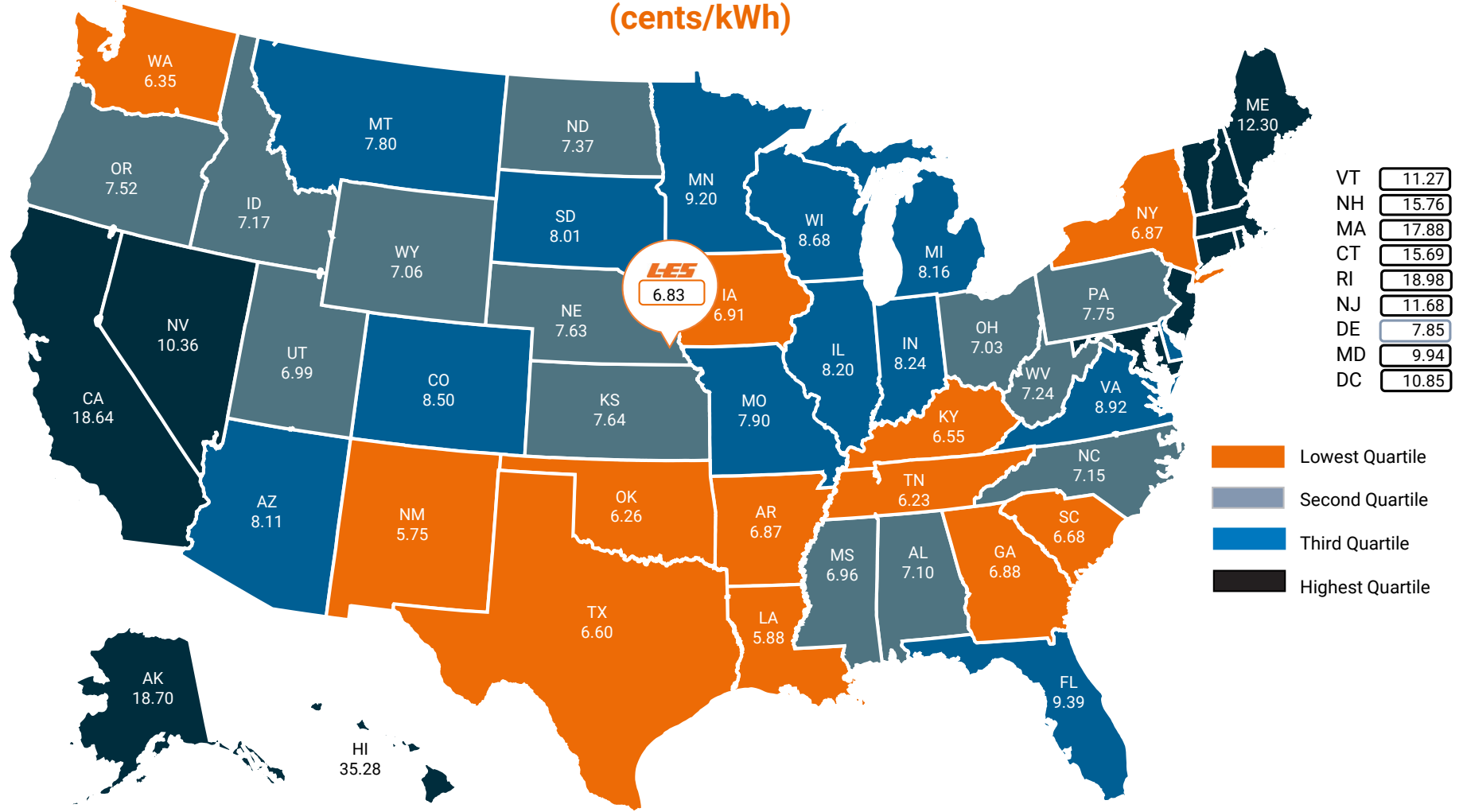


Data Source(s): EIA Electric Sales, Revenue, and Average Price, Table 5B; Form EIA-861 Annual Electric Power Industry Report, Sales to Ultimate Customers



Competitive Market Study: Electricity Pricing Metrics

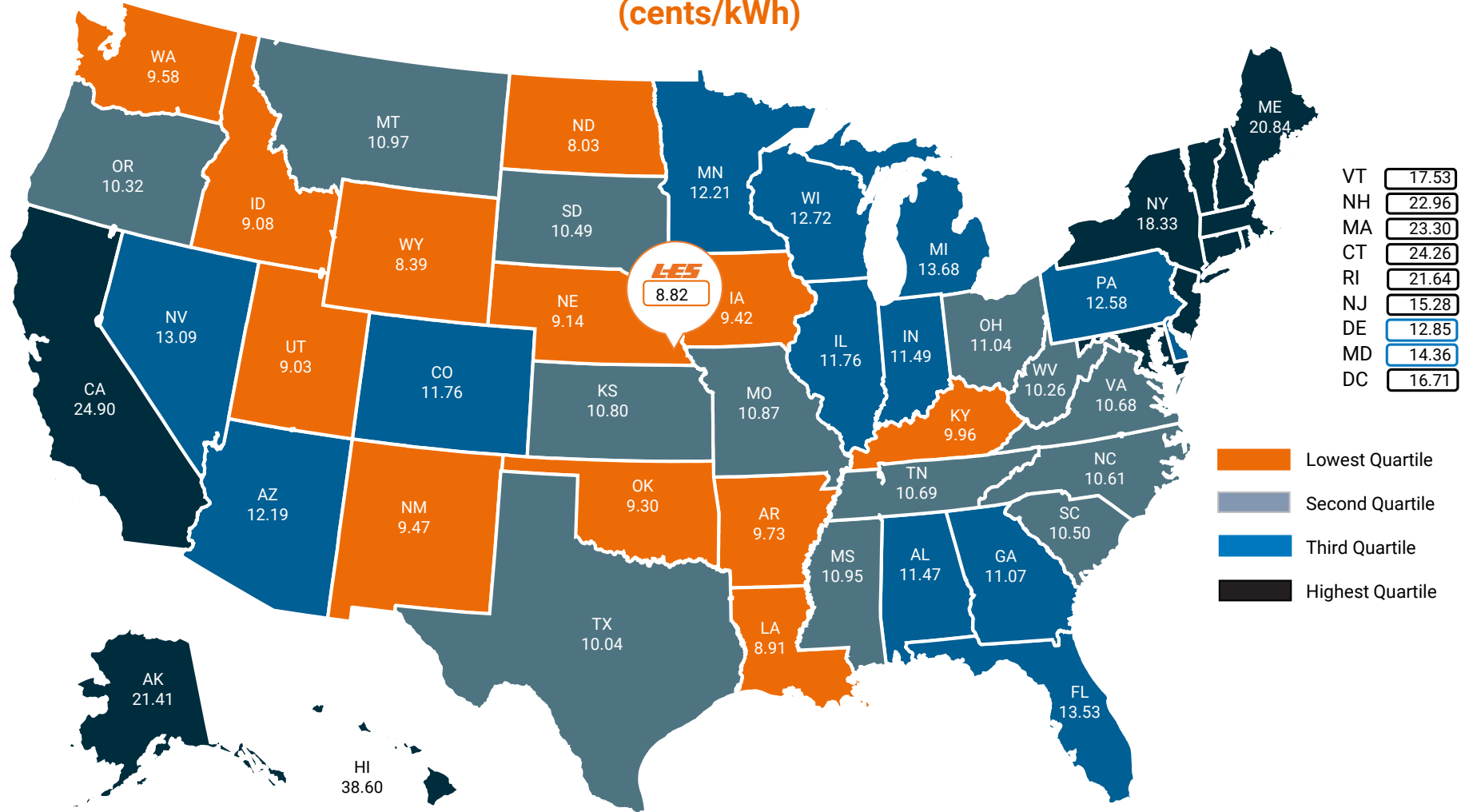
Figure 7: State Industrial Average All-In Price (cents/kWh)



Data Source(s): EIA Electric Sales, Revenue, and Average Price, Table 5C; Form EIA-861 Annual Electric Power Industry Report, Sales to Ultimate Customers



Figure 8: State All Retail Sectors Average All-In Price (cents/kWh)

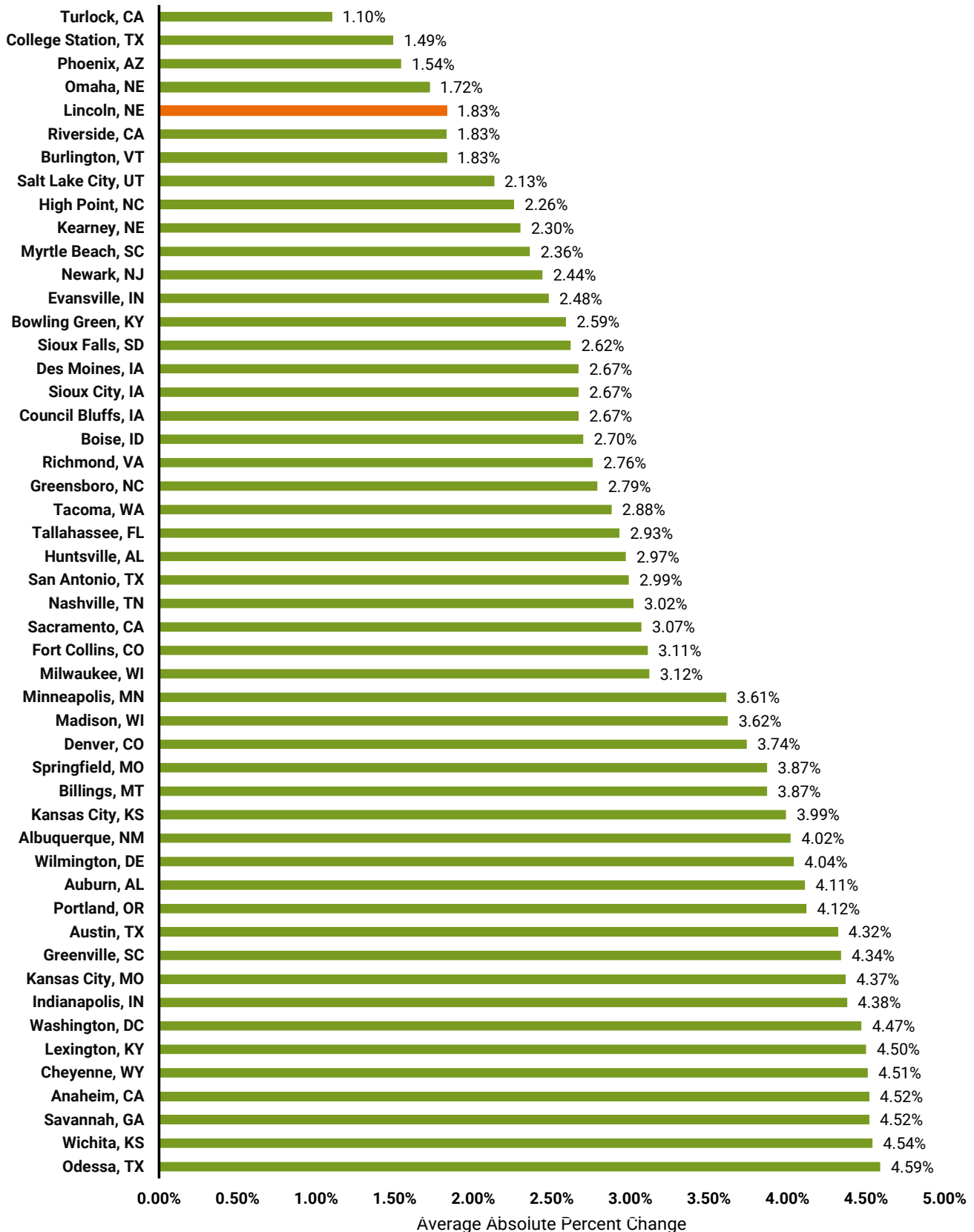


Data Source(s): Form EIA-861 Annual Electric Power Industry Report, Sales to Ultimate Customers



Competitive Market Study: Electricity Pricing Metrics

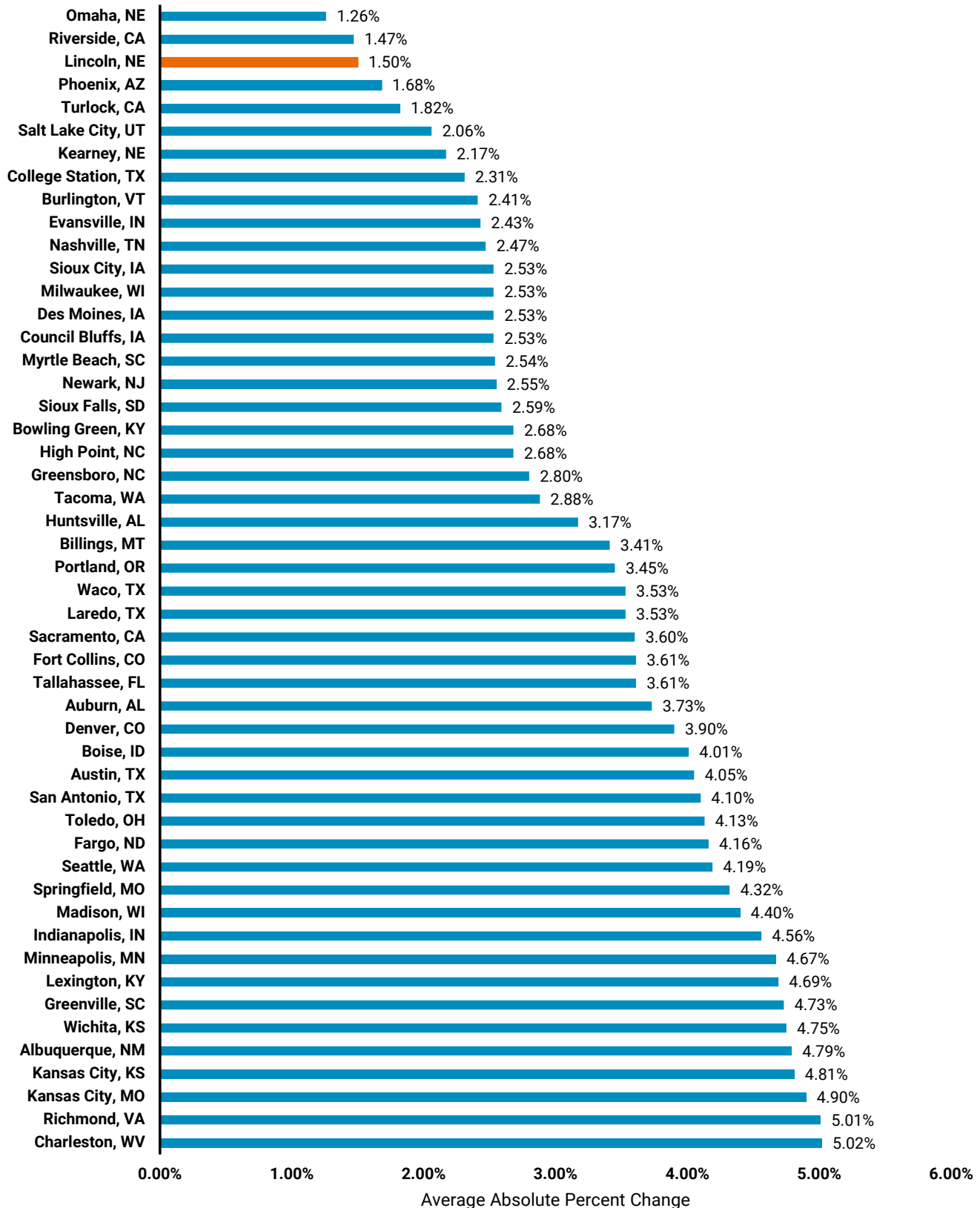
Figure 9: Residential All-In Price Stability - The 50 Best-Ranked Cities





Competitive Market Study: Electricity Pricing Metrics

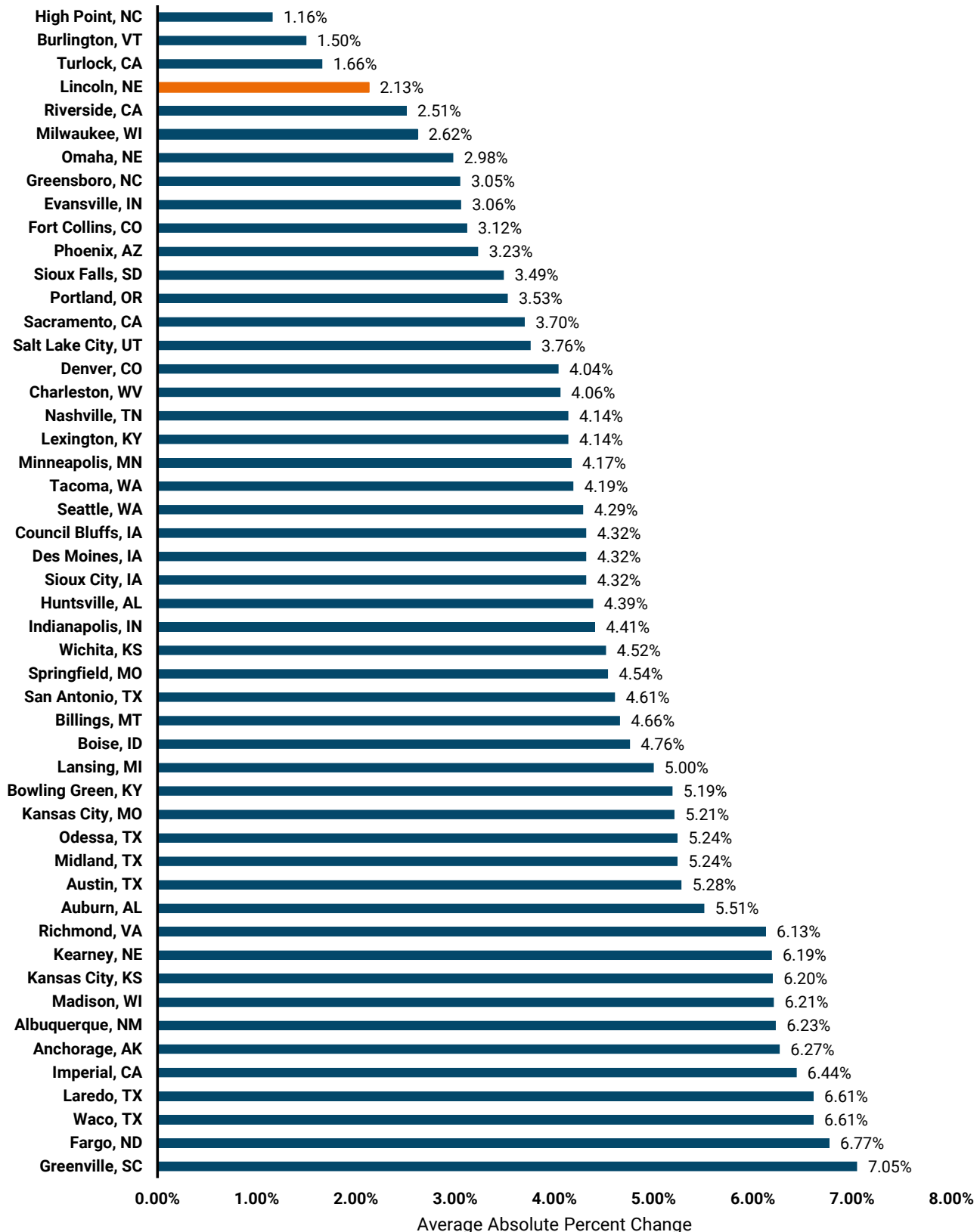
Figure 10: Commercial All-In Price Stability - The 50 Best-Ranked Cities





Competitive Market Study: Electricity Pricing Metrics

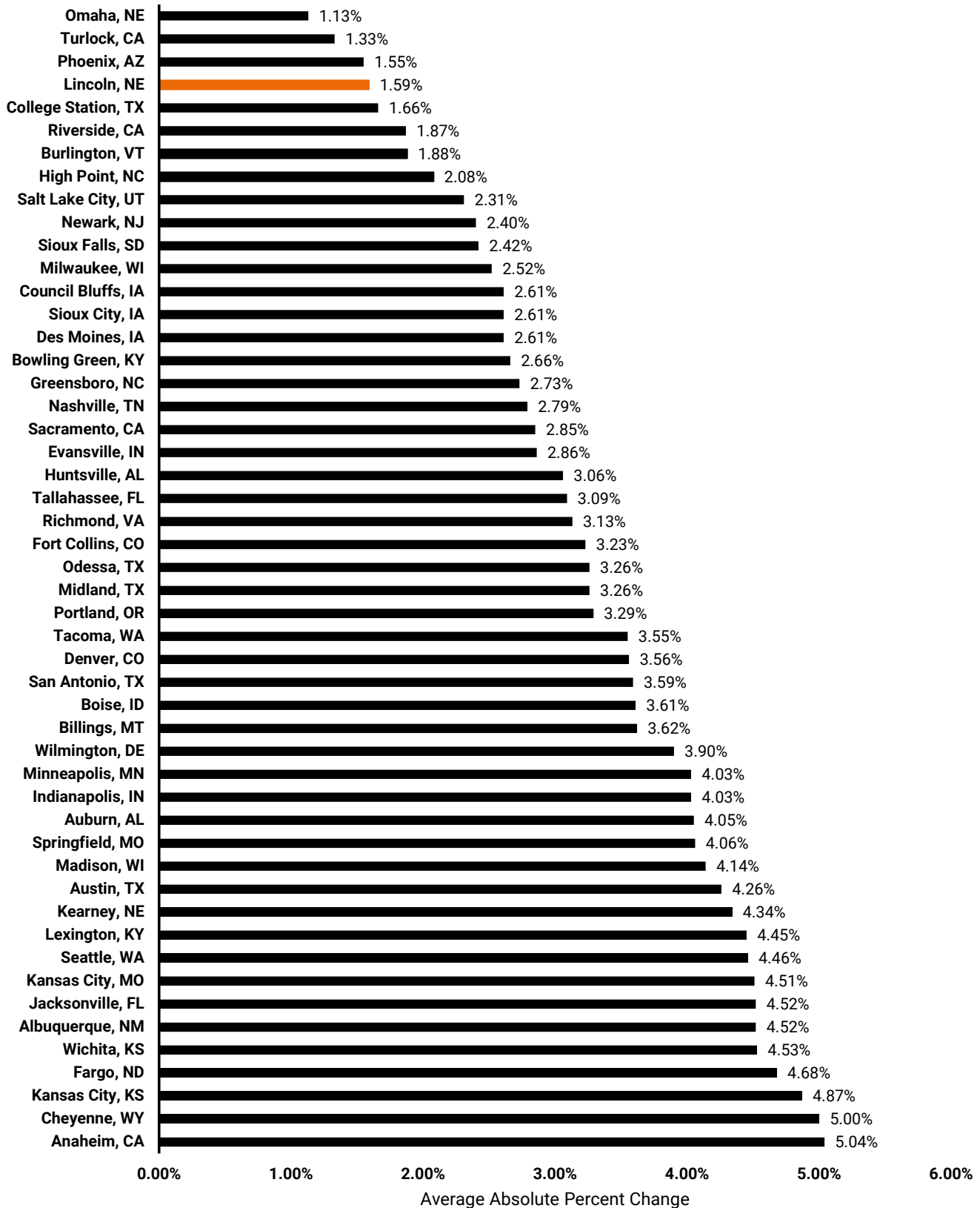
Figure 11: Industrial All-In Price Stability - The 50 Best-Ranked Cities





Competitive Market Study: Electricity Pricing Metrics

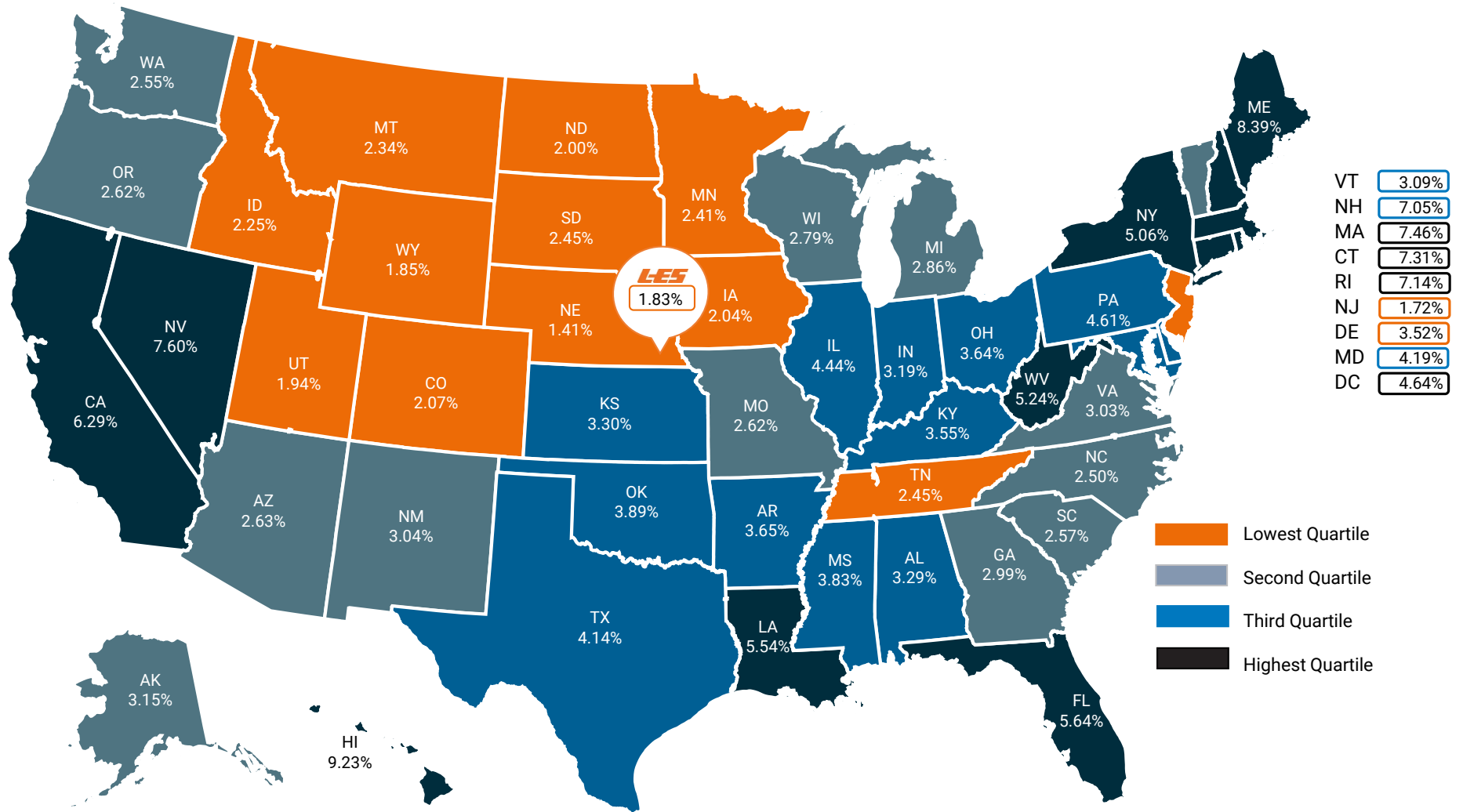
Figure 12: All Retail Sectors All-In Price Stability - The 50 Best-Ranked Cities





Competitive Market Study: Electricity Pricing Metrics

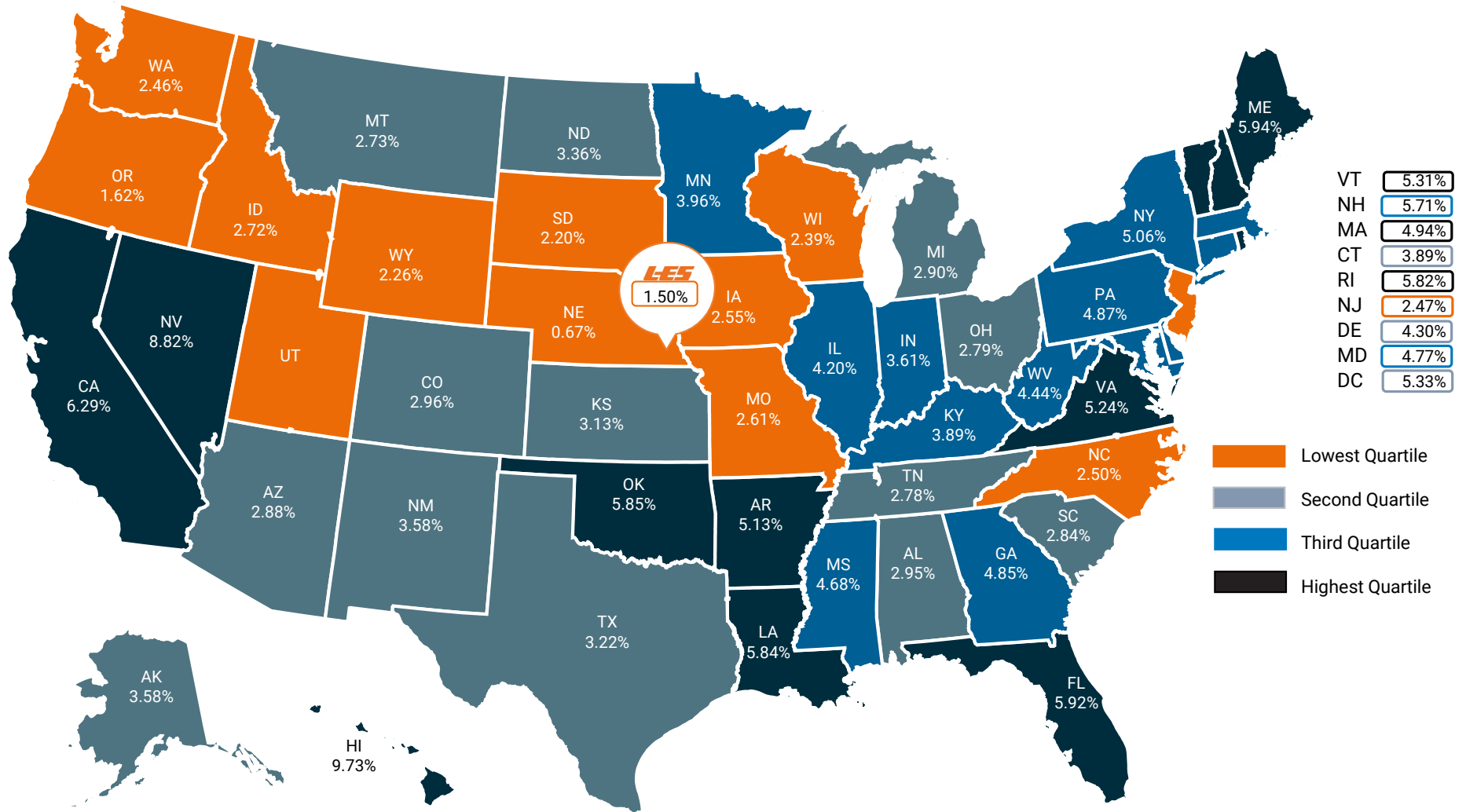
Figure 13: State Residential All-In Price Stability



Data Source(s): EIA Electric Sales, Revenue, and Average Price, Table 5A; Form EIA-861 Annual Electric Power Industry Report, Sales to Ultimate Customers



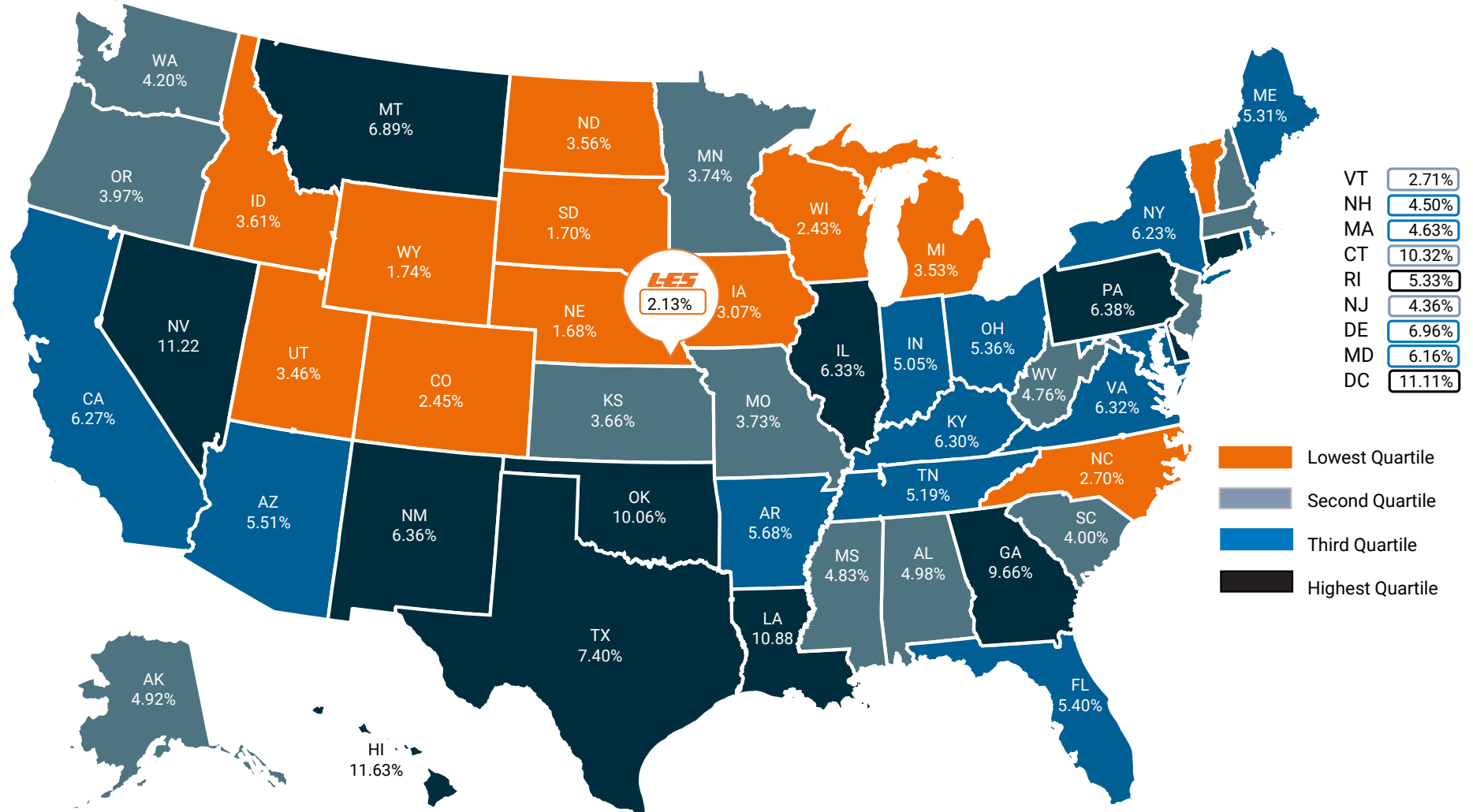
Figure 14: State Commercial All-In Price Stability



Data Source(s): EIA Electric Sales, Revenue, and Average Price, Table 5B; Form EIA-861 Annual Electric Power Industry Report, Sales to Ultimate Customers



Figure 15: State Industrial All-In Price Stability

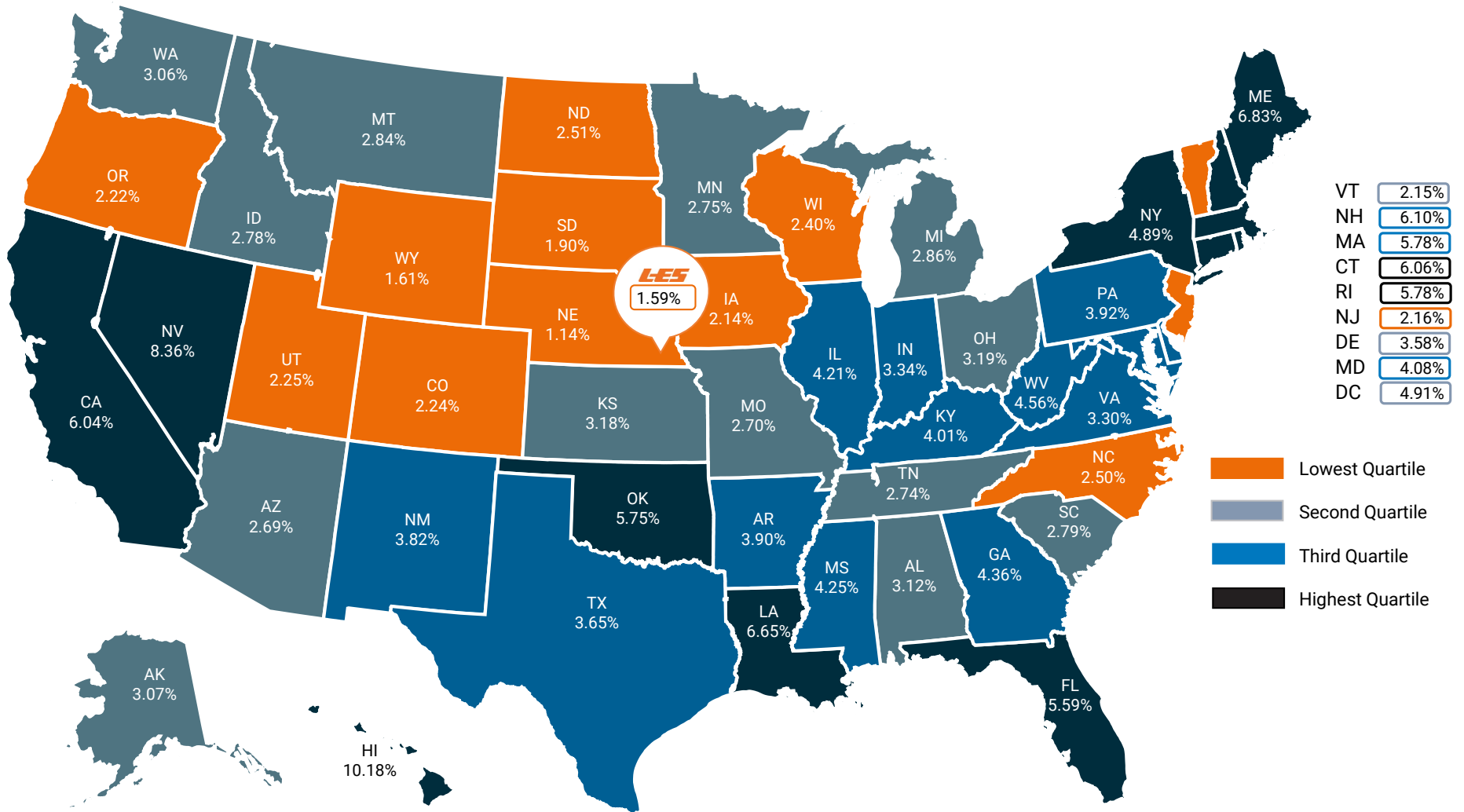


Data Source(s): EIA Electric Sales, Revenue, and Average Price, Table 5C; Form EIA-861 Annual Electric Power Industry Report, Sales to Ultimate Customers



Competitive Market Study: Electricity Pricing Metrics

Figure 16: State All Retail Sectors All-In Price Stability



Data Source(s): Form EIA-861 Annual Electric Power Industry Report, Sales to Ultimate Customers



Competitive Market Study: Affordability Metrics

AFFORDABILITY METRICS



Electricity affordability, particularly for residential customers, impacts how individuals manage their finances. This is especially true for low-income customers who must consider all living expenses when paying their bills. Therefore, measuring the affordability of electricity is a crucial benchmark for utilities.

Three metrics were used to measure the affordability of electricity: residential average monthly bill, residential average cost per day, and residential electric bill as a percent of household income.

The residential monthly bill metric was utilized to measure average monthly customer electrical costs. This metric was determined by calculating the average price of electricity and then multiplying it by the utility’s or state’s average monthly kWh to obtain the average monthly bill.

The average residential cost per day was used to measure the average daily cost incurred by the customer to use electricity. This metric was calculated by dividing the sum of the monthly bills by the number of days in the year.

The residential electric bill as a percent of household income was used to measure how much of their total income households spent on electricity. This metric was determined by multiplying the average monthly bill by the number of months in the year and then dividing it by the median household income for the city or state.

The information used to calculate the metrics was obtained from the EIA using 2023 data. The median household income information used to calculate the residential electric bill as a percent of household income metric was obtained from the U.S. Census Bureau’s American community survey 5-year estimates (2019-2023).

Affordability Metrics Rankings				
Metric	LES		NE	
	Metric Value	LES Ranking (Out of 87 Cities)	Metric Value	NE Ranking (Out of 51 States)
Average Monthly Residential Bill	\$ 86.73	10	\$ 111.52	12
Residential Average Cost per Day	\$ 2.85	10	\$ 3.67	12
Residential Electric Bill % of Household Income	1.49%	16	1.78%	14

These results indicate the cost of electricity in LES and Nebraska continues to be less burdensome on residential customers compared to most cities and states.



Competitive Market Study: Affordability Metrics

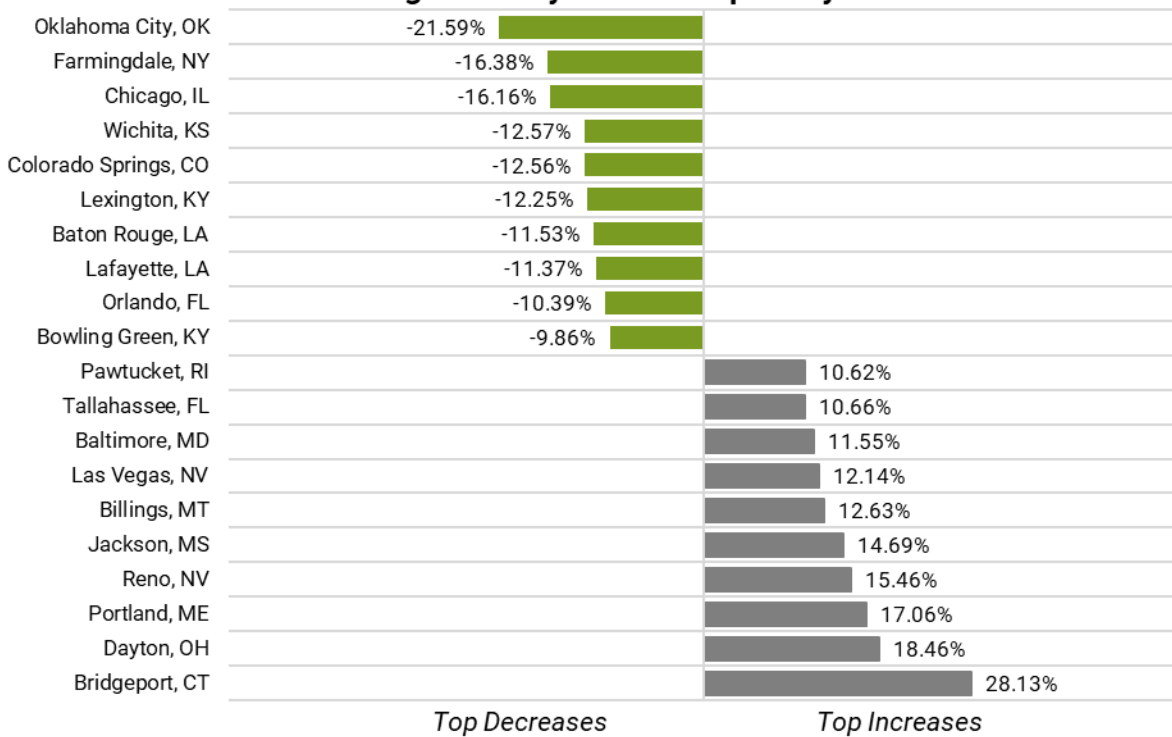
Major Affordability Metric Changes – Average Monthly Bill & Cost per Day

Below are the ten largest average monthly residential bill and residential cost per day decreases for the study’s cities.

Decreases in residential bills and cost per day were mainly driven by lower fuel prices, particularly natural gas, which dropped in 2023. Other factors include operational efficiencies and increased renewable energy sources, which generally have a lower marginal cost compared to traditional fossil fuel sources due to no fuel costs and minimal operating costs once installed. However, marginal cost can vary significantly across the country due to resource availability (e.g., strong winds or high solar irradiance) as well as economic and policy incentives for renewable energy development.

Some utilities saw increases in residential bills and cost-per-day due to necessary operational improvements with high capital costs requiring increased rate revenue for funding. Additionally, some municipalities that also service water and sewer saw increases in electric prices to recover the costs of those less economical local utility services.

Top Residential Percentage Changes Average Monthly Bill & Cost per Day





Competitive Market Study: Affordability Metrics

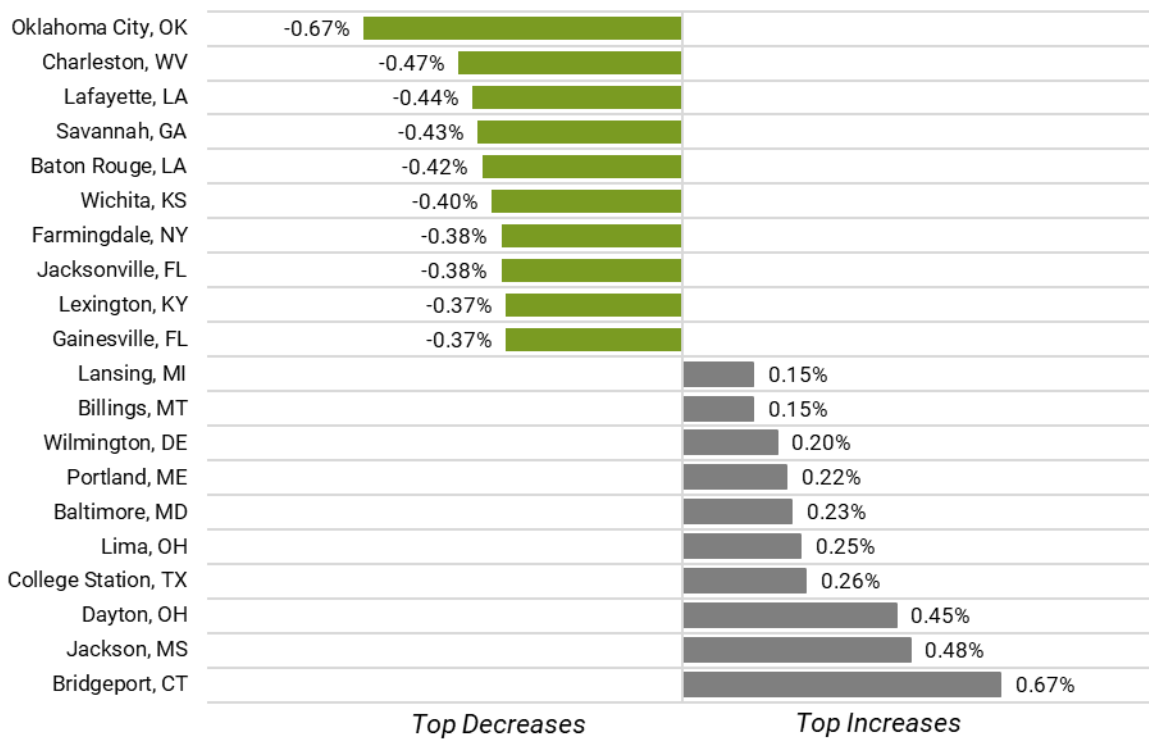
Major Affordability Metric Changes – Percentage of Household Income

Below are the ten largest decreases and increases in residential electric bill as a percent of household income for the study’s cities.

On average, most cities saw a decrease in this metric due to a reduction in average residential customer usage on a per-household basis. With increased interest rates and house prices, more residential customers lived in rental (typically multi-family) units than previous years. Multi-family units offer unique benefits to customers, such as shared insulation from surrounding units as well as less square footage to heat/cool compared to a single-family residence. Along with this, median household income saw an above average year-over-year increase due to shortages in the workforce in 2023 driving companies to raise salaries in an effort to retain employees.

Only eight out of the total 87 cities saw an increase in their residential electric bill as a percent of household income. This was mainly driven by local increases in the average price of electricity.

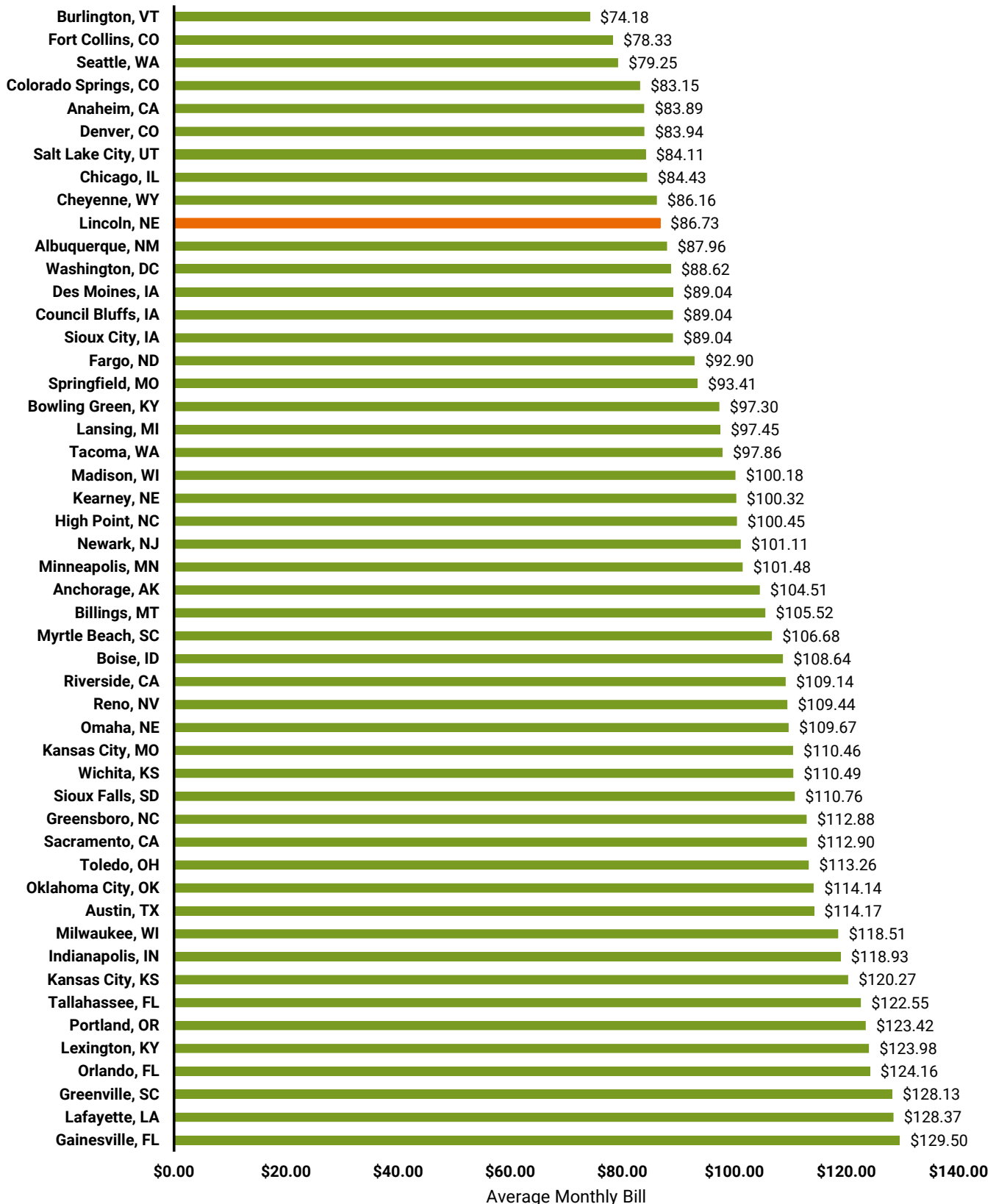
Residential Electric Bill Percent of Household Income





Competitive Market Study: Affordability Metrics

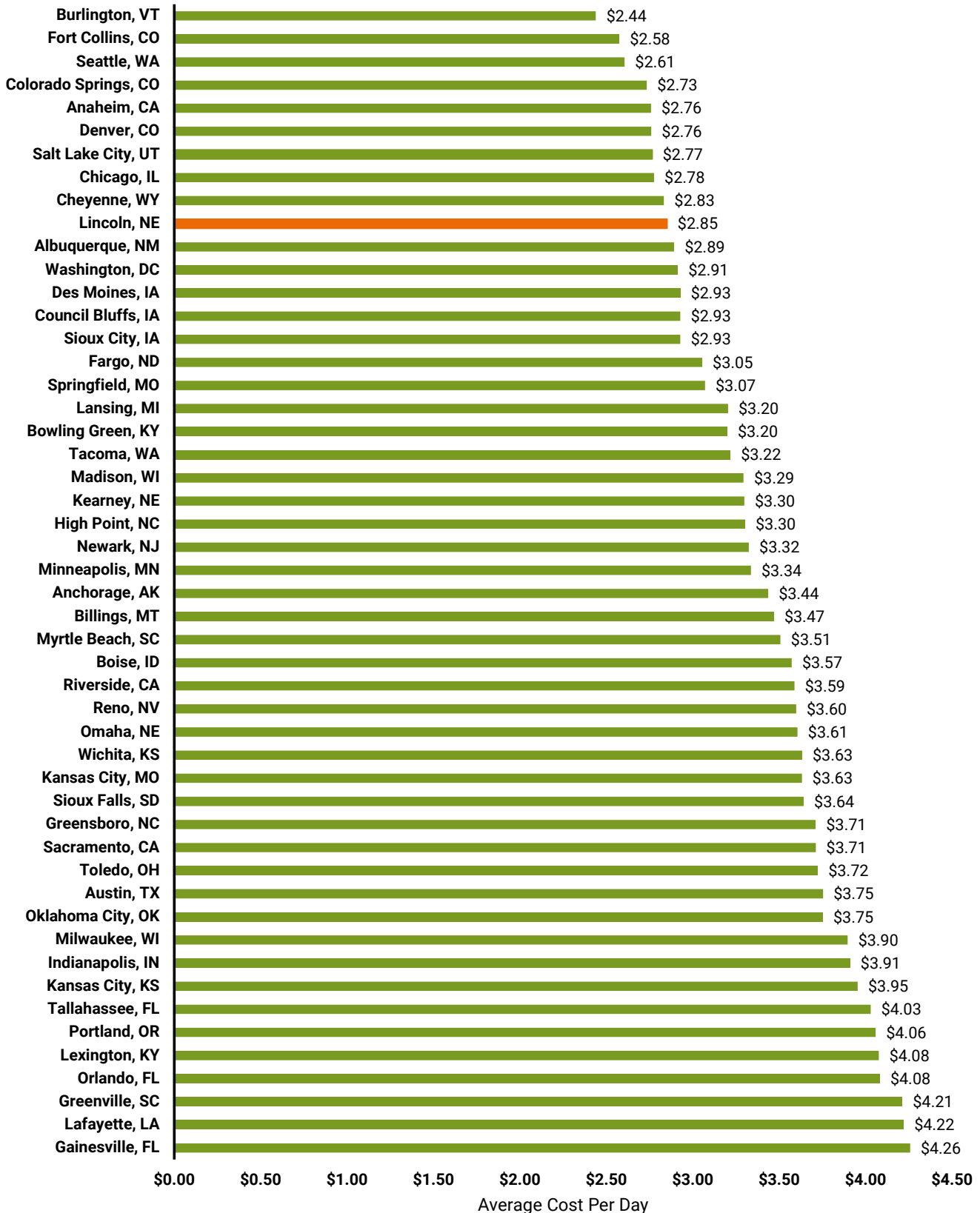
Figure 17: Average Monthly Residential Bill - The 50 Best-Ranked Cities





Competitive Market Study: Affordability Metrics

Figure 18: Average Residential Cost per Day - The 50 Best-Ranked Cities





Competitive Market Study: Affordability Metrics

Figure 19: Residential Electric Bill Percent of Household Income - The 50 Best-Ranked Cities

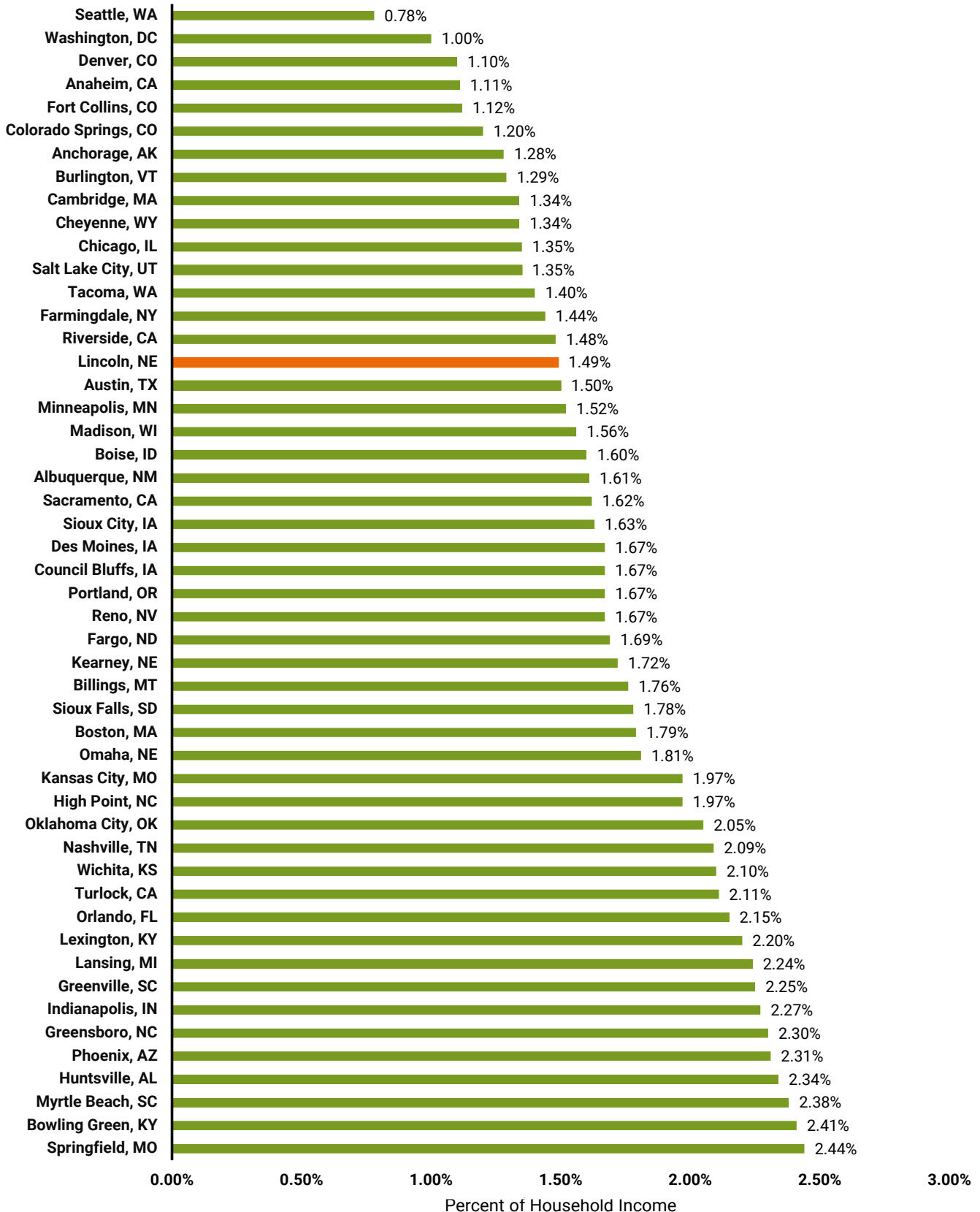
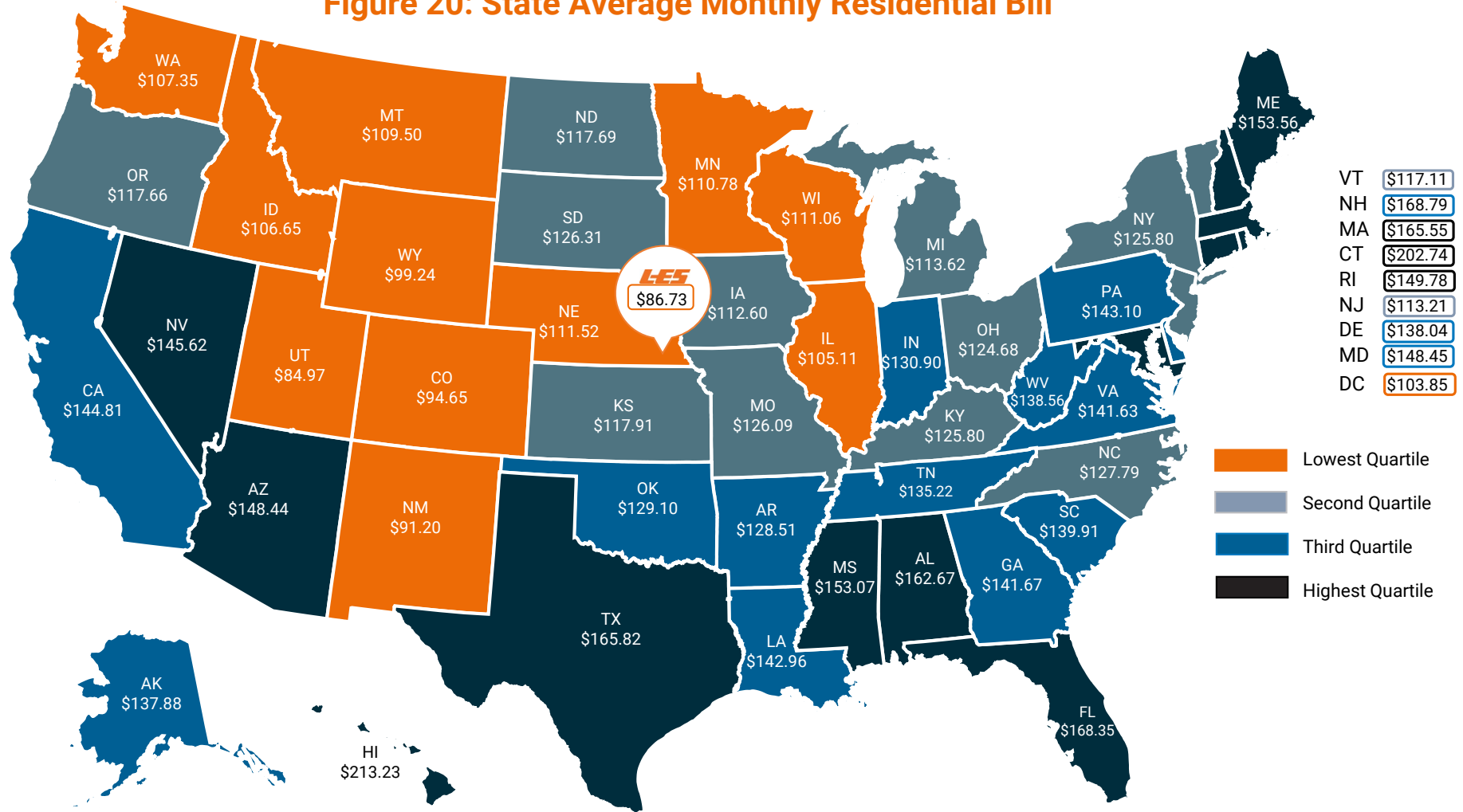




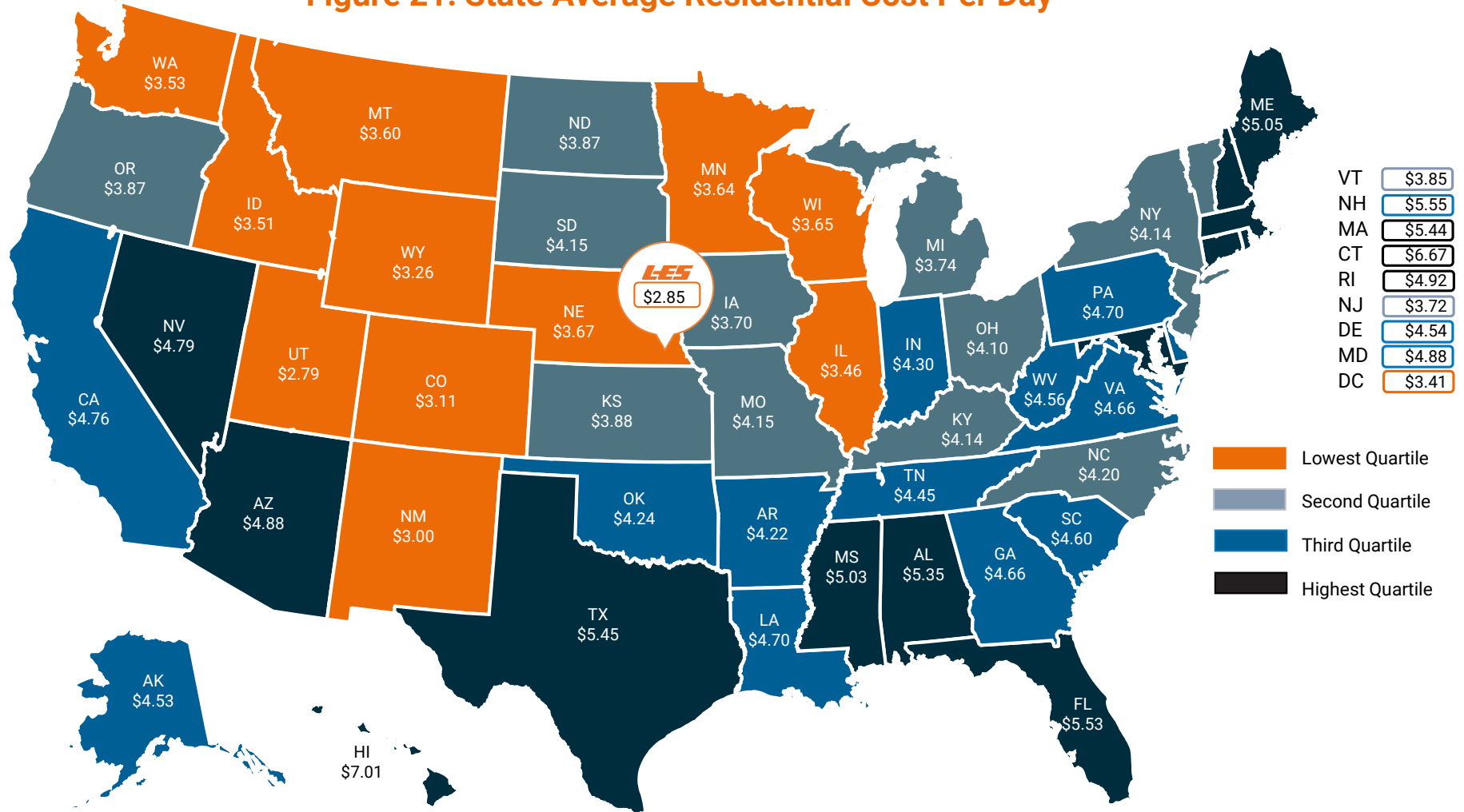
Figure 20: State Average Monthly Residential Bill



Data Source(s): EIA Electric Sales, Revenue, and Average Price, Table 5B; Form EIA-861 Annual Electric Power Industry Report, Sales to Ultimate Customers



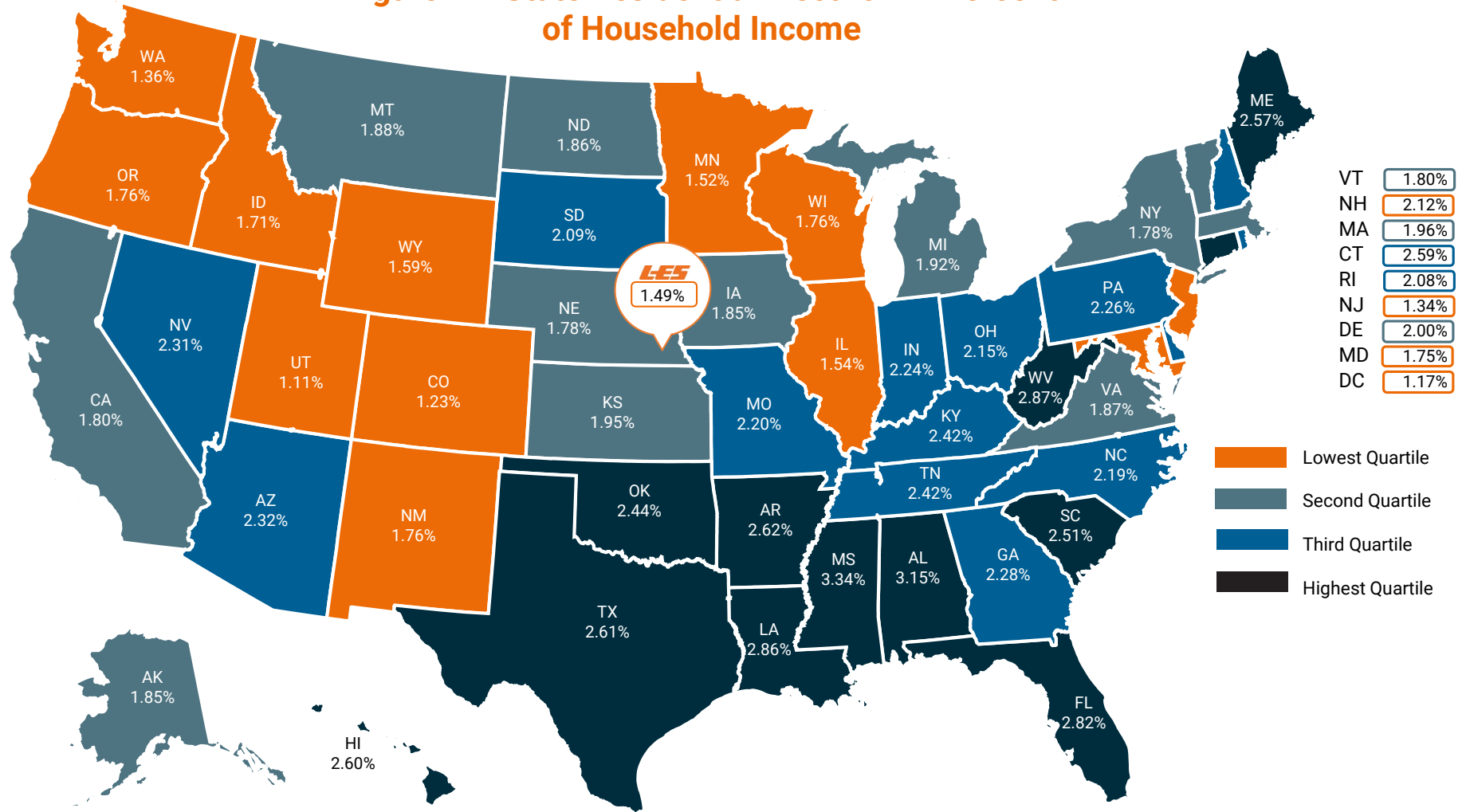
Figure 21: State Average Residential Cost Per Day



Data Source(s): EIA Electric Sales, Revenue, and Average Price, Table 5C; Form EIA-861 Annual Electric Power Industry Report, Sales to Ultimate Customers



Figure 22: State Residential Electric Bill Percent of Household Income



Data Source(s): EIA Electric Sales, Revenue, and Average Price, Table 5A; Form EIA-861 Annual Electric Power Industry Report, Sales to Ultimate Customers



Competitive Market Study: Electric Reliability Metrics

ELECTRIC RELIABILITY METRICS



One of the foremost responsibilities of electric utilities is providing reliable service to its customers. Modern life runs on electricity, so disruptions to the electric system can significantly impact daily life and commerce. Due to this, a key performance indicator for electric utilities is the ability to provide reliable service to customers.

An industry-standard metric used to measure reliability by electric utilities is the system average interruption duration index (SAIDI). This metric measures the total time an average customer experiences a non-momentary power interruption throughout a given year. For the utilities that follow the standards set by the Institute of Electrical and Electronics Engineers (IEEE), non-momentary disruptions are those that last longer than five minutes. SAIDI scores in the study are calculated as seen in the equation below:

$$SAIDI = \frac{(\# \text{ of Customers Affected} * \text{Duration of Interruption})}{\# \text{ of Customers in the System}}$$

SAIDI is reported with and without major event days (MED). A MED is any day that interruptions to the electrical grid occur due to significant events such as winter or summer storms, hurricanes, wildfires, and tornados. These MEDs can drastically affect SAIDI scores and can cause significant year-to-year changes. Due to this, the reliability metrics used in this study are both those with and without MED.

Information from the Energy Information Administration (EIA) was used to obtain the SAIDI scores used in the study¹. EIA annually collects SAIDI and other reliability metric scores from utilities and publishes that data. The data used in the study is the latest available EIA data for the calendar year 2023.

The state SAIDI values used in the study were calculated by taking the average for each state's reporting utilities' SAIDI scores weighted by the number of customers served by each utility.

Reliability Metrics Rankings				
Metric	LES Reliability	LES Ranking ¹ (Out of 82 Cities)	NE Reliability	NE Ranking (Out of 51 States)
SAIDI With Major Event Day	19.10	1	72.64	2
SAIDI Without Major Event Day	19.10	2	56.75	4

¹ SAIDI values with and without MED rankings don't include TXU Energy, Reliant Energy, and City Burlington Electric as they do not report these values to EIA. SAIDI values without MED rankings also exclude City Utilities of Springfield, Chugach Electric Association Incorporated, and City of Tallahassee Electric Utility.



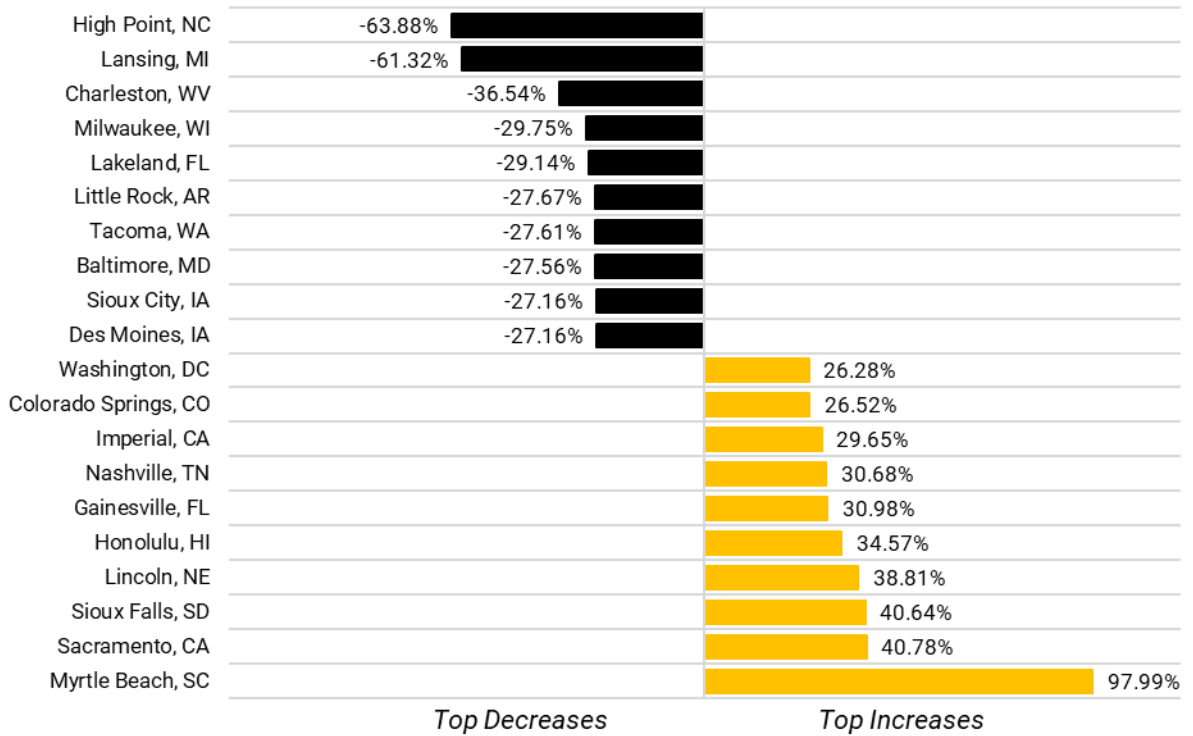
Competitive Market Study: Electric Reliability Metrics

Below are the ten largest SAIDI Without MED changes for the study's cities.

Decreases in SAIDI without MED were driven by improved response to outage events and a reduction in reported outage events for these cities' utilities. Increases in SAIDI without MED are driven by a diminished response to outage events and an increase in reported outage events for these cities' utilities.

LES' increase in SAIDI Without MED was primarily driven by tree/limb failures, which resulted in a 79% increase in customer outage time compared to 2022, accounting for 28% of the total outage time in 2023.

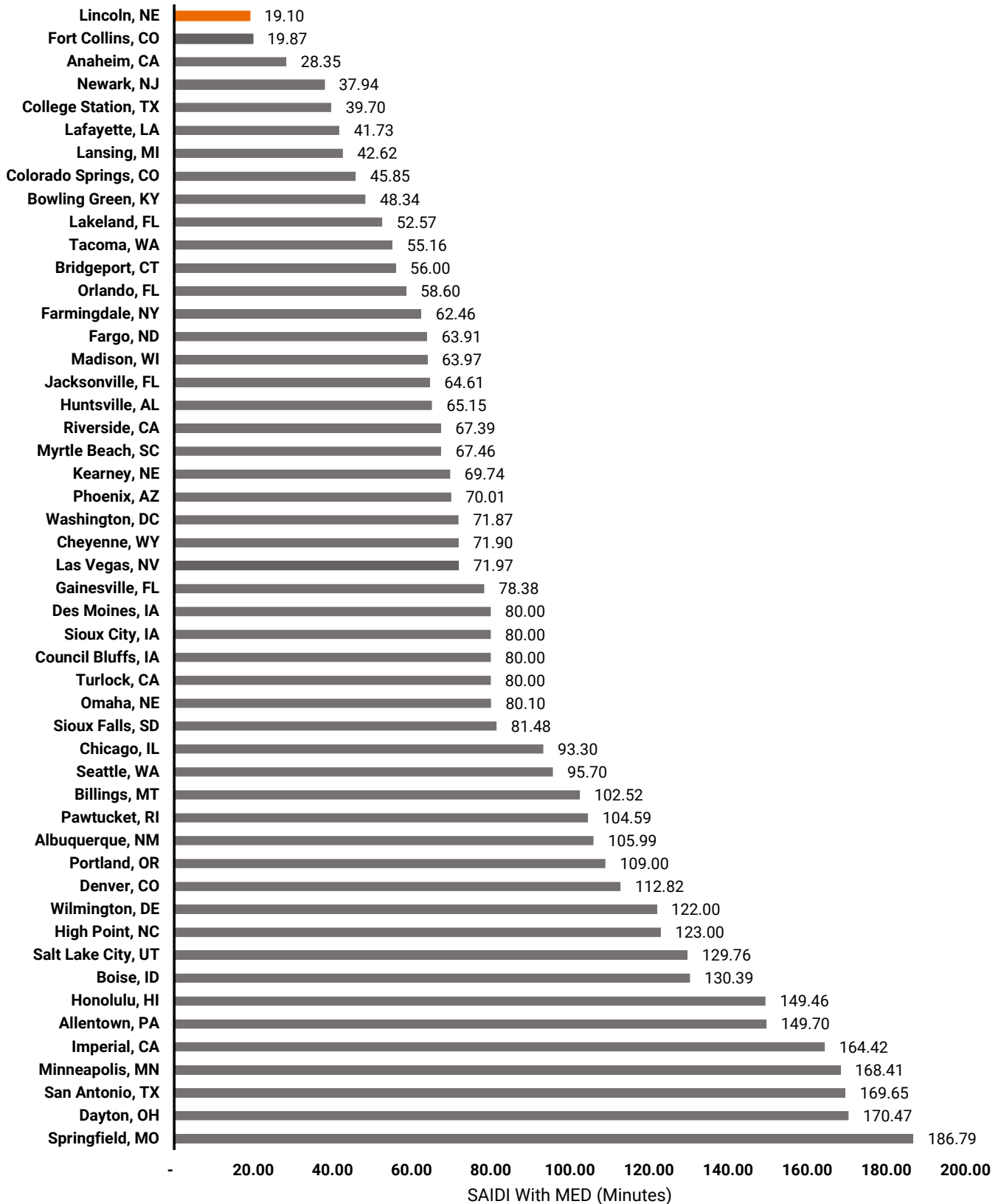
System Average Interruption Duration Index (SAIDI) Without Major Event Days





Competitive Market Study: Electric Reliability Metrics

Figure 23: System Average Interruption Duration Index (SAIDI) with Major Event Days - The 50 Best-Ranked Cities





Competitive Market Study: Electric Reliability Metrics

Figure 24: System Average Interruption Duration Index (SAIDI) without Major Event Days - The 50 Best-Ranked Cities

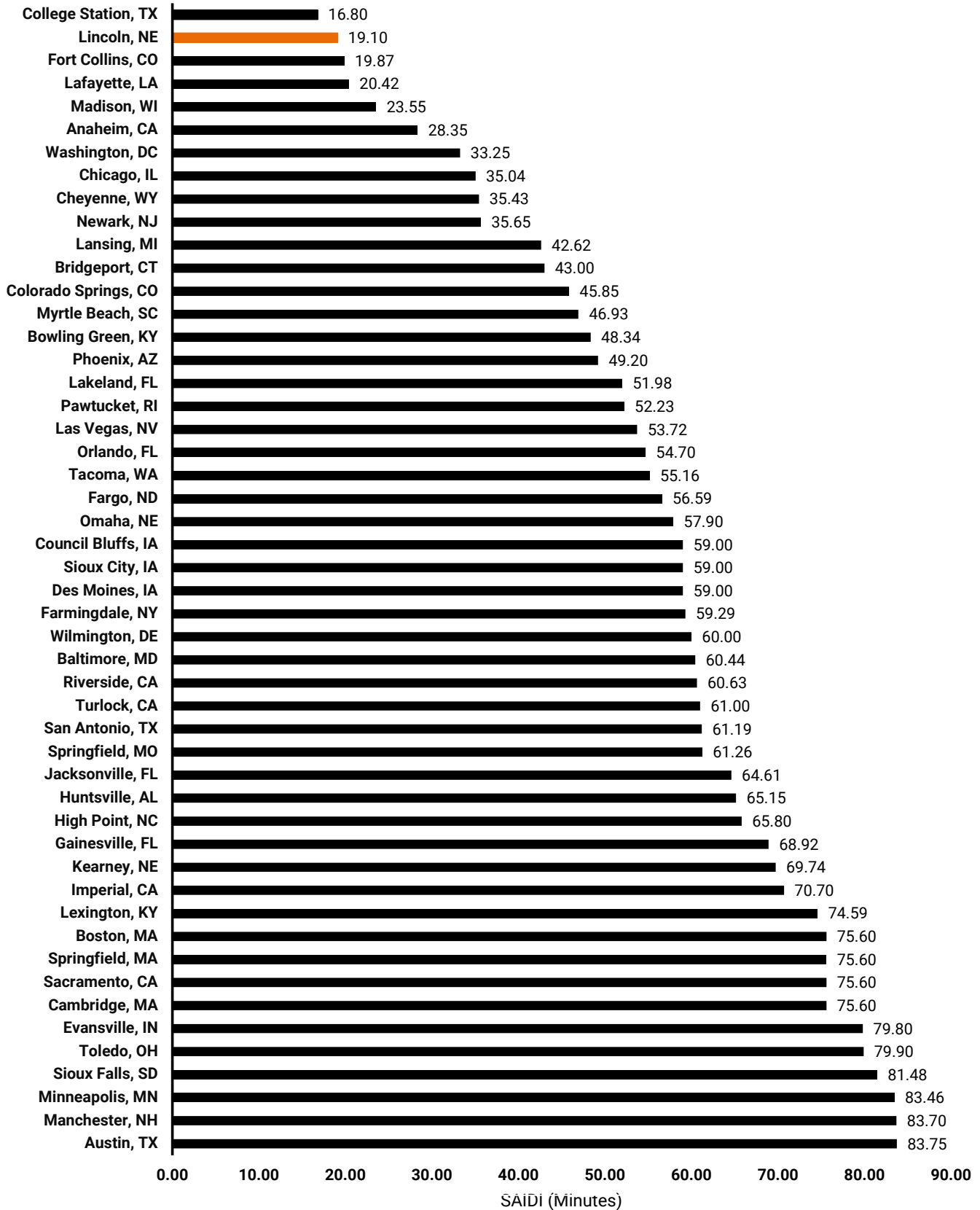
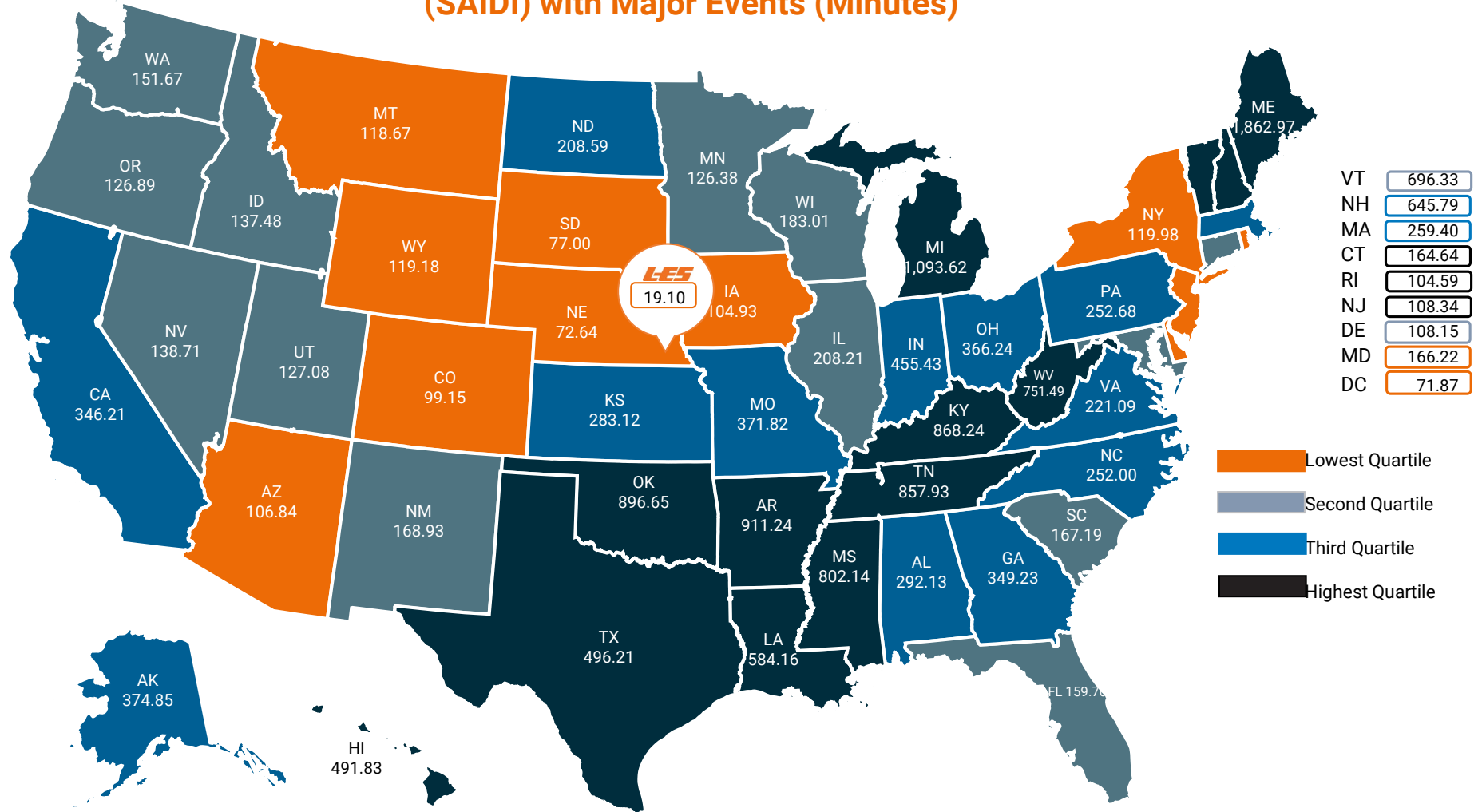




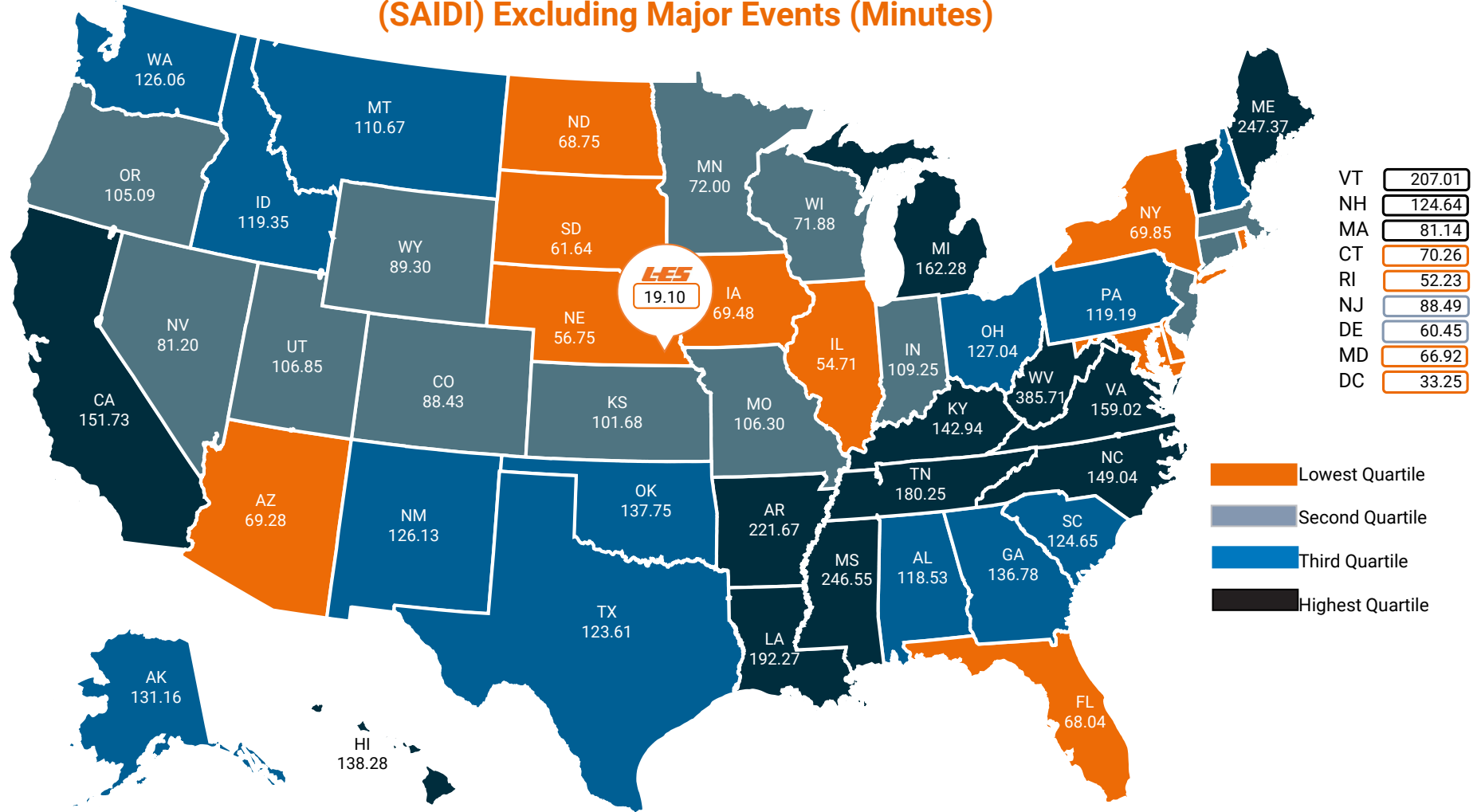
Figure 25: State System Average Interruption Duration Index (SAIDI) with Major Events (Minutes)



Data Source(s): EIA Electric Sales, Revenue, and Average Price, Table 5B; Form EIA-861 Annual Electric Power Industry Report, Sales to Ultimate Customers



Figure 26: State System Average Interruption Duration Index (SAIDI) Excluding Major Events (Minutes)



Data Source(s): EIA Electric Sales, Revenue, and Average Price, Table 5A; Form EIA-861 Annual Electric Power Industry Report, Sales to Ultimate Customers



Competitive Market Study: Appendix

SOURCE OF DATA



LES obtained most of the data for utilities and states from the U.S. Energy Information Administration (EIA), a federal entity tasked with aggregating and publishing American energy information. For most figures in the report, 2023 EIA data was utilized due to a reporting time lag caused by processing and reviewing data from U.S. utilities. EIA data is from the Annual Electric Power Industry Report (Form EIA-861) and the Electric Sales, Revenue, and Average Price report.

Information regarding U.S. median household income data used to calculate the residential electric bill as a percent of household income metric was obtained from the U.S. Census Bureau's American Community Survey 5-Year Estimates (2019-2023). Additionally, information about a state's electric market, as seen in the state tables in the appendix, was obtained from the American Public Power Association (APPA) in their APPA Retail Electric Rates in Deregulated and Regulated States Report.



Competitive Market Study: Appendix

Table 1: Residential Average All-In Price - Cities				
City/State	Utility	Utility Type	Rank	Average All-In Price (cents/kWh)
Lafayette, LA	Lafayette Utilities System	Municipal	1	10.16
Lincoln, NE	Lincoln Electric System	Municipal	2	10.22
Tacoma, WA	Tacoma Public Utilities	Municipal	3	10.37
Kearney, NE	Nebraska Public Power District	Political Subdivision	4	10.44
Oklahoma City, OK	Oklahoma Gas & Electric Company	Investor Owned	5	10.81
Sioux City, IA	MidAmerican Energy	Investor Owned	6	11.00
Des Moines, IA	MidAmerican Energy	Investor Owned	6	11.00
Council Bluffs, IA	MidAmerican Energy	Investor Owned	6	11.00
Baton Rouge, LA	Entergy Louisiana, LLC	Investor Owned	9	11.01
Springfield, MO	City Utilities of Springfield	Municipal	10	11.06
Salt Lake City, UT	PacifiCorp	Investor Owned	11	11.27
Myrtle Beach, SC	Santee Cooper	State	12	11.38
Huntsville, AL	City of Huntsville	Municipal	13	11.48
Bowling Green, KY	Bowling Green Municipal Utilities	Municipal	14	11.58
Boise, ID	Idaho Power Company	Investor Owned	15	11.65
High Point, NC	High Point Electric Utility Department	Municipal	16	11.78
Greensboro, NC	Duke Energy	Investor Owned	17	11.88
Fargo, ND	Northern States Power Company	Investor Owned	18	11.97
Lexington, KY	Kentucky Utilities Company	Investor Owned	19	11.98
Omaha, NE	Omaha Public Power District	Political Subdivision	20	12.02
San Antonio, TX	CPS Energy	Municipal	21	12.11
Lakeland, FL	Lakeland Electric Utility	Municipal	22	12.26
Phoenix, AZ	Salt River Project	Political Subdivision	23	12.47
Orlando, FL	Orlando Utilities Commission	Municipal	24	12.58
Greenville, SC	Duke Energy	Investor Owned	25	12.67
Fort Collins, CO	Platte River Power Authority	Municipal	26	12.68
Seattle, WA	Seattle City Light	Municipal	27	12.78
Little Rock, AR	Entergy Arkansas, Inc.	Investor Owned	28	13.00
Austin, TX	Austin Energy	Municipal	28	13.00
Tallahassee, FL	City of Tallahassee Electric Utility	Municipal	30	13.03
Wichita, KS	Evergy (Formerly Westar Energy Inc)	Investor Owned	31	13.09
Jacksonville, FL	JEA	Municipal	32	13.21
Nashville, TN	Nashville Electric Service	Municipal	33	13.44
Kansas City, MO	Evergy (Kansas City Power & Light Co.)	Investor Owned	34	13.61
Jackson, MS	Entergy Mississippi, Inc.	Investor Owned	35	13.62
Indianapolis, IN	Indianapolis Power & Light Company	Investor Owned	36	13.76
Colorado Springs, CO	City of Colorado Springs	Municipal	37	13.80
Tulsa, OK	Public Service Company of Oklahoma	Investor Owned	38	13.83
Richmond, VA	Dominion Virginia Power	Investor Owned	39	13.92
Sioux Falls, SD	Northern States Power Company	Investor Owned	40	14.15
Denver, CO	Xcel Energy (Public Service Company of Colorado)	Investor Owned	41	14.34
College Station, TX	College Station Utilities	Municipal	42	14.53
Billings, MT	NorthWestern Energy (formerly Montana Power)	Investor Owned	43	14.61
Savannah, GA	Georgia Power	Investor Owned	44	14.62
Chicago, IL	Commonwealth Edison Company	Investor Owned	45	14.78
Washington, DC	Potomac Electric Power Company	Investor Owned	46	14.98
Kansas City, KS	Kansas City Board of Public Utilities	Municipal	47	15.02
Cheyenne, WY	Cheyenne Light, Fuel & Power Company	Investor Owned	48	15.16
Portland, OR	Portland General Electric Company	Investor Owned	49	15.20
Albuquerque, NM	Public Service Company of New Mexico	Investor Owned	50	15.21



Competitive Market Study: Appendix

Table 1: Residential Average All-In Price - Cities				
City/State	Utility	Utility Type	Rank	Average All-In Price (cents/kWh)
Toledo, OH	Toledo Edison - FirstEnergy Corp.	Investor Owned	51	15.40
Wilmington, DE	Delmarva Power	Investor Owned	52	15.73
Auburn, AL	Alabama Power	Investor Owned	53	15.90
Charleston, WV	AEP (Appalachian Power Rate Area)	Investor Owned	54	16.02
Reno, NV	Sierra Pacific Power Company - NV Energy	Investor Owned	55	16.10
Minneapolis, MN	Xcel Energy (Northern States Power Co. - Minnesota)	Investor Owned	56	16.31
Dayton, OH	AES Ohio (formerly DP&L)	Investor Owned	57	16.40
Laredo, TX	Reliant Energy	Retail Power Marketer	58	16.45
Waco, TX	Reliant Energy	Retail Power Marketer	58	16.45
Baltimore, MD	Baltimore Gas & Electric Company	Investor Owned	60	16.47
Sacramento, CA	Sacramento Municipal Util Dist	Political Subdivision	61	16.89
Turlock, CA	Turlock Irrigation District	Political Subdivision	62	16.98
Gainesville, FL	Gainesville Regional Utilities	Municipal	63	16.99
Evansville, IN	Southern Indiana Gas & Electric Company	Investor Owned	64	17.24
Las Vegas, NV	Nevada Power Company - NV Energy	Investor Owned	65	17.27
Anaheim, CA	Anaheim Public Utilities	Municipal	66	17.54
Imperial, CA	Imperial Irrigation District - Energy	Political Subdivision	67	17.58
Odessa, TX	TXU Energy	Retail Power Marketer	68	17.69
Midland, TX	TXU Energy	Retail Power Marketer	68	17.69
Burlington, VT	City of Burlington Electric	Municipal	70	17.97
Riverside, CA	Riverside Electric Utility	Municipal	71	18.37
Lima, OH	AEP Ohio (Ohio Power Company)	Investor Owned	72	18.63
Newark, NJ	Public Service Electric & Gas Company	Investor Owned	73	18.83
Milwaukee, WI	We Energies (formerly Wisconsin Electric)	Investor Owned	74	18.96
Allentown, PA	PPL Electric Utilities	Investor Owned	75	19.55
Lansing, MI	Lansing Board of Water & Light	Municipal	76	19.61
Madison, WI	Madison Gas & Electric Company	Investor Owned	77	19.72
Anchorage, AK	Chugach Electric Association Incorporated	Cooperative	78	20.65
Farmingdale, NY	Long Island Power Authority	State	79	22.33
Pawtucket, RI	Narragansett Electric Company	Investor Owned	80	27.19
Portland, ME	Central Maine Power Co	Investor Owned	81	27.45
Manchester, NH	Public Service Company of New Hampshire	Investor Owned	82	28.93
Boston, MA	Eversource (Formerly Boston Edison Company)	Investor Owned	83	29.66
Springfield, MA	Eversource (Formerly Western Massachusetts Electric)	Investor Owned	83	29.66
Cambridge, MA	Eversource (Formerly Cambridge Electric Company)	Investor Owned	83	29.66
Bridgeport, CT	United Illuminating Company	Investor Owned	86	33.16
Honolulu, HI	Hawaiian Electric Company	Investor Owned	87	43.22

Note: Average price was calculated by dividing the utilities' sector revenue by sales of electricity.

Data Source(s): 2023 Form EIA-861 Annual Electric Power Industry Report, Sales to Ultimate Customers



Competitive Market Study: Appendix

Table 2: Commercial Average All-In Price - Cities				
City/State	Utility	Utility Type	Rank	Average All-In Price (cents/kWh)
Oklahoma City, OK	Oklahoma Gas & Electric Company	Investor Owned	1	7.85
Salt Lake City, UT	PacifiCorp	Investor Owned	2	8.14
Lincoln, NE	Lincoln Electric System	Municipal	3	8.17
Kearney, NE	Nebraska Public Power District	Political Subdivision	4	8.24
Omaha, NE	Omaha Public Power District	Political Subdivision	5	8.45
Greensboro, NC	Duke Energy	Investor Owned	6	8.59
Council Bluffs, IA	MidAmerican Energy	Investor Owned	7	8.60
Des Moines, IA	MidAmerican Energy	Investor Owned	7	8.60
Sioux City, IA	MidAmerican Energy	Investor Owned	7	8.60
Cheyenne, WY	Cheyenne Light, Fuel & Power Company	Investor Owned	10	8.74
Boise, ID	Idaho Power Company	Investor Owned	11	8.86
Richmond, VA	Dominion Virginia Power	Investor Owned	12	8.89
Lafayette, LA	Lafayette Utilities System	Municipal	13	9.05
Springfield, MO	City Utilities of Springfield	Municipal	14	9.23
Myrtle Beach, SC	Santee Cooper	State	15	9.47
Orlando, FL	Orlando Utilities Commission	Municipal	16	9.53
Tallahassee, FL	City of Tallahassee Electric Utility	Municipal	17	9.63
Greenville, SC	Duke Energy	Investor Owned	18	9.90
Colorado Springs, CO	City of Colorado Springs	Municipal	19	9.91
Phoenix, AZ	Salt River Project	Political Subdivision	20	9.92
San Antonio, TX	CPS Energy	Municipal	21	9.99
Baton Rouge, LA	Entergy Louisiana, LLC	Investor Owned	22	10.03
Tacoma, WA	Tacoma Public Utilities	Municipal	23	10.22
Tulsa, OK	Public Service Company of Oklahoma	Investor Owned	24	10.25
Kansas City, MO	Evergy (Kansas City Power & Light Co.)	Investor Owned	25	10.28
Wichita, KS	Evergy (Formerly Westar Energy Inc)	Investor Owned	26	10.43
Little Rock, AR	Entergy Arkansas, Inc.	Investor Owned	27	10.46
Lakeland, FL	Lakeland Electric Utility	Municipal	28	10.47
High Point, NC	High Point Electric Utility Department	Municipal	29	10.55
Bowling Green, KY	Bowling Green Municipal Utilities	Municipal	30	10.61
Austin, TX	Austin Energy	Municipal	31	10.65
Fargo, ND	Northern States Power Company	Investor Owned	32	10.74
Seattle, WA	Seattle City Light	Municipal	33	10.78
Fort Collins, CO	Platte River Power Authority	Municipal	34	11.01
Savannah, GA	Georgia Power	Investor Owned	35	11.05
Sioux Falls, SD	Northern States Power Company	Investor Owned	36	11.12
Huntsville, AL	City of Huntsville	Municipal	37	11.16
Jacksonville, FL	JEA	Municipal	38	11.56
Chicago, IL	Commonwealth Edison Company	Investor Owned	39	11.63
Denver, CO	Xcel Energy (Public Service Company of Colorado)	Investor Owned	40	11.75
Charleston, WV	AEP (Appalachian Power Rate Area)	Investor Owned	40	11.75
Lexington, KY	Kentucky Utilities Company	Investor Owned	40	11.75
Portland, OR	Portland General Electric Company	Investor Owned	43	11.98
Nashville, TN	Nashville Electric Service	Municipal	44	12.03
Kansas City, KS	Kansas City Board of Public Utilities	Municipal	45	12.08
College Station, TX	College Station Utilities	Municipal	46	12.22
Albuquerque, NM	Public Service Company of New Mexico	Investor Owned	47	12.34
Waco, TX	Reliant Energy	Retail Power Marketer	48	12.39
Laredo, TX	Reliant Energy	Retail Power Marketer	48	12.39
Jackson, MS	Entergy Mississippi, Inc.	Investor Owned	50	13.18



Competitive Market Study: Appendix

Table 2: Commercial Average All-In Price - Cities

City/State	Utility	Utility Type	Rank	Average All-In Price (cents/kWh)
Minneapolis, MN	Xcel Energy (Northern States Power Co. - Minnesota)	Investor Owned	51	13.33
Reno, NV	Sierra Pacific Power Company - NV Energy	Investor Owned	52	13.38
Las Vegas, NV	Nevada Power Company - NV Energy	Investor Owned	53	13.56
Madison, WI	Madison Gas & Electric Company	Investor Owned	54	13.80
Milwaukee, WI	We Energies (formerly Wisconsin Electric)	Investor Owned	55	13.82
Indianapolis, IN	Indianapolis Power & Light Company	Investor Owned	56	13.99
Newark, NJ	Public Service Electric & Gas Company	Investor Owned	57	14.07
Auburn, AL	Alabama Power	Investor Owned	58	14.09
Billings, MT	NorthWestern Energy (formerly Montana Power)	Investor Owned	59	14.14
Turlock, CA	Turlock Irrigation District	Political Subdivision	60	14.21
Lima, OH	AEP Ohio (Ohio Power Company)	Investor Owned	61	14.41
Dayton, OH	AES Ohio (formerly DP&L)	Investor Owned	62	14.54
Evansville, IN	Southern Indiana Gas & Electric Company	Investor Owned	63	14.71
Wilmington, DE	Delmarva Power	Investor Owned	64	15.15
Lansing, MI	Lansing Board of Water & Light	Municipal	65	15.68
Allentown, PA	PPL Electric Utilities	Investor Owned	66	15.82
Toledo, OH	Toledo Edison - FirstEnergy Corp.	Investor Owned	67	15.88
Midland, TX	TXU Energy	Retail Power Marketer	68	16.01
Odessa, TX	TXU Energy	Retail Power Marketer	68	16.01
Sacramento, CA	Sacramento Municipal Util Dist	Political Subdivision	70	16.13
Anchorage, AK	Chugach Electric Association Incorporated	Cooperative	71	16.30
Pawtucket, RI	Narragansett Electric Company	Investor Owned	72	16.73
Burlington, VT	City of Burlington Electric	Municipal	73	16.88
Baltimore, MD	Baltimore Gas & Electric Company	Investor Owned	74	16.89
Imperial, CA	Imperial Irrigation District - Energy	Political Subdivision	75	17.44
Anaheim, CA	Anaheim Public Utilities	Municipal	76	17.59
Gainesville, FL	Gainesville Regional Utilities	Municipal	77	18.33
Riverside, CA	Riverside Electric Utility	Municipal	78	18.54
Washington, DC	Potomac Electric Power Company	Investor Owned	79	19.43
Farmingdale, NY	Long Island Power Authority	State	80	19.83
Portland, ME	Central Maine Power Co	Investor Owned	81	24.65
Bridgeport, CT	United Illuminating Company	Investor Owned	82	25.87
Cambridge, MA	Eversource (Formerly Cambridge Electric Company)	Investor Owned	83	27.09
Springfield, MA	Eversource (Formerly Western Massachusetts Electric)	Investor Owned	83	27.09
Boston, MA	Eversource (Formerly Boston Edison Company)	Investor Owned	83	27.09
Manchester, NH	Public Service Company of New Hampshire	Investor Owned	86	27.71
Honolulu, HI	Hawaiian Electric Company	Investor Owned	87	38.27

Note: Average price was calculated by dividing the utilities' sector revenue by sales of electricity.

Data Source(s): 2023 Form EIA-861 Annual Electric Power Industry Report, Sales to Ultimate Customers



Competitive Market Study: Appendix

Table 3: Industrial Average All-In Price - Cities

City/State	Utility	Utility Type	Rank	Average All-In Price (cents/kWh)
Kearney, NE	Nebraska Public Power District	Political Subdivision	1	4.54
Oklahoma City, OK	Oklahoma Gas & Electric Company	Investor Owned	2	5.08
Myrtle Beach, SC	Santee Cooper	State	3	5.11
Baton Rouge, LA	Entergy Louisiana, LLC	Investor Owned	4	5.46
Albuquerque, NM	Public Service Company of New Mexico	Investor Owned	5	5.59
Cheyenne, WY	Cheyenne Light, Fuel & Power Company	Investor Owned	6	5.95
Wilmington, DE	Delmarva Power	Investor Owned	7	6.05
Sioux City, IA	MidAmerican Energy	Investor Owned	8	6.26
Des Moines, IA	MidAmerican Energy	Investor Owned	8	6.26
Council Bluffs, IA	MidAmerican Energy	Investor Owned	8	6.26
Chicago, IL	Commonwealth Edison Company	Investor Owned	11	6.34
Savannah, GA	Georgia Power	Investor Owned	12	6.54
Greensboro, NC	Duke Energy	Investor Owned	13	6.71
Greenville, SC	Duke Energy	Investor Owned	14	6.78
Phoenix, AZ	Salt River Project	Political Subdivision	14	6.78
Austin, TX	Austin Energy	Municipal	16	6.80
Lincoln, NE	Lincoln Electric System	Municipal	17	6.83
Salt Lake City, UT	PacifiCorp	Investor Owned	18	6.86
Omaha, NE	Omaha Public Power District	Political Subdivision	19	6.94
Laredo, TX	Reliant Energy	Retail Power Marketer	20	7.00
Waco, TX	Reliant Energy	Retail Power Marketer	20	7.00
Little Rock, AR	Entergy Arkansas, Inc.	Investor Owned	20	7.00
Midland, TX	TXU Energy	Retail Power Marketer	23	7.02
Odessa, TX	TXU Energy	Retail Power Marketer	23	7.02
Bowling Green, KY	Bowling Green Municipal Utilities	Municipal	25	7.13
Huntsville, AL	City of Huntsville	Municipal	26	7.21
Tulsa, OK	Public Service Company of Oklahoma	Investor Owned	26	7.21
Lexington, KY	Kentucky Utilities Company	Investor Owned	28	7.31
Kansas City, MO	Eergy (Kansas City Power & Light Co.)	Investor Owned	29	7.33
Toledo, OH	Toledo Edison - FirstEnergy Corp.	Investor Owned	30	7.59
Nashville, TN	Nashville Electric Service	Municipal	31	7.66
Tacoma, WA	Tacoma Public Utilities	Municipal	32	7.67
Auburn, AL	Alabama Power	Investor Owned	32	7.67
Springfield, MO	City Utilities of Springfield	Municipal	34	7.78
Portland, OR	Portland General Electric Company	Investor Owned	35	7.82
Boise, ID	Idaho Power Company	Investor Owned	35	7.82
Denver, CO	Xcel Energy (Public Service Company of Colorado)	Investor Owned	37	8.03
Charleston, WV	AEP (Appalachian Power Rate Area)	Investor Owned	38	8.05
Newark, NJ	Public Service Electric & Gas Company	Investor Owned	39	8.06
Fort Collins, CO	Platte River Power Authority	Municipal	40	8.16
Richmond, VA	Dominion Virginia Power	Investor Owned	41	8.40
Wichita, KS	Eergy (Formerly Westar Energy Inc)	Investor Owned	42	8.44
Fargo, ND	Northern States Power Company	Investor Owned	43	8.54
Sioux Falls, SD	Northern States Power Company	Investor Owned	44	8.55
San Antonio, TX	CPS Energy	Municipal	45	8.71
Colorado Springs, CO	City of Colorado Springs	Municipal	46	8.79
High Point, NC	High Point Electric Utility Department	Municipal	47	8.87
Jacksonville, FL	JEA	Municipal	48	8.90
Evansville, IN	Southern Indiana Gas & Electric Company	Investor Owned	49	9.02
Seattle, WA	Seattle City Light	Municipal	50	9.08



Competitive Market Study: Appendix

Table 3: Industrial Average All-In Price - Cities				
City/State	Utility	Utility Type	Rank	Average All-In Price (cents/kWh)
Madison, WI	Madison Gas & Electric Company	Investor Owned	51	9.17
Lima, OH	AEP Ohio (Ohio Power Company)	Investor Owned	52	9.26
Jackson, MS	Entergy Mississippi, Inc.	Investor Owned	53	9.28
Milwaukee, WI	We Energies (formerly Wisconsin Electric)	Investor Owned	54	9.48
Allentown, PA	PPL Electric Utilities	Investor Owned	55	9.72
Kansas City, KS	Kansas City Board of Public Utilities	Municipal	56	10.32
Minneapolis, MN	Xcel Energy (Northern States Power Co. - Minnesota)	Investor Owned	57	10.36
Lansing, MI	Lansing Board of Water & Light	Municipal	58	10.44
Indianapolis, IN	Indianapolis Power & Light Company	Investor Owned	59	10.48
Lakeland, FL	Lakeland Electric Utility	Municipal	60	10.53
Billings, MT	NorthWestern Energy (formerly Montana Power)	Investor Owned	61	10.85
Reno, NV	Sierra Pacific Power Company - NV Energy	Investor Owned	62	11.29
Las Vegas, NV	Nevada Power Company - NV Energy	Investor Owned	63	12.04
Burlington, VT	City of Burlington Electric	Municipal	64	12.57
Sacramento, CA	Sacramento Municipal Util Dist	Political Subdivision	65	12.60
Turlock, CA	Turlock Irrigation District	Political Subdivision	66	13.50
Dayton, OH	AES Ohio (formerly DP&L)	Investor Owned	67	13.59
Anchorage, AK	Chugach Electric Association Incorporated	Cooperative	68	13.65
Riverside, CA	Riverside Electric Utility	Municipal	69	13.89
Gainesville, FL	Gainesville Regional Utilities	Municipal	70	14.34
Anaheim, CA	Anaheim Public Utilities	Municipal	71	14.82
Baltimore, MD	Baltimore Gas & Electric Company	Investor Owned	72	15.94
Imperial, CA	Imperial Irrigation District - Energy	Political Subdivision	73	20.36
Portland, ME	Central Maine Power Co	Investor Owned	74	22.62
Manchester, NH	Public Service Company of New Hampshire	Investor Owned	75	26.90
Bridgeport, CT	United Illuminating Company	Investor Owned	76	27.59
Pawtucket, RI	Narragansett Electric Company	Investor Owned	77	28.00
Springfield, MA	Eversource (Formerly Western Massachusetts Electric)	Investor Owned	78	33.45
Cambridge, MA	Eversource (Formerly Cambridge Electric Company)	Investor Owned	78	33.45
Boston, MA	Eversource (Formerly Boston Edison Company)	Investor Owned	78	33.45
Honolulu, HI	Hawaiian Electric Company	Investor Owned	81	34.47

Note: Average price was calculated by dividing the utilities' sector revenue by sales of electricity. College Station Utilities, Lafayette Utilities System, Orlando Utilities Commission, City of Tallahassee Electric Utility, Long Island Power Authority, and Potomac Electric Power Company are not included in the rankings as they don't report industrial revenue.

Data Source(s): 2023 Form EIA-861 Annual Electric Power Industry Report, Sales to Ultimate Customers



Competitive Market Study: Appendix

Table 4: All Retail Sectors Average All-In Price - Cities

City/State	Utility	Utility Type	Rank	Average All-In Price (cents/kWh)
Kearney, NE	Nebraska Public Power District	Political Subdivision	1	6.88
Myrtle Beach, SC	Santee Cooper	State	2	7.22
Sioux City, IA	MidAmerican Energy	Investor Owned	3	7.73
Council Bluffs, IA	MidAmerican Energy	Investor Owned	3	7.73
Des Moines, IA	MidAmerican Energy	Investor Owned	3	7.73
Baton Rouge, LA	Entergy Louisiana, LLC	Investor Owned	6	7.78
Oklahoma City, OK	Oklahoma Gas & Electric Company	Investor Owned	7	8.06
Salt Lake City, UT	PacifiCorp	Investor Owned	8	8.78
Lincoln, NE	Lincoln Electric System	Municipal	9	8.82
Tacoma, WA	Tacoma Public Utilities	Municipal	10	9.03
Omaha, NE	Omaha Public Power District	Political Subdivision	11	9.21
Cheyenne, WY	Cheyenne Light, Fuel & Power Company	Investor Owned	12	9.28
Greensboro, NC	Duke Energy	Investor Owned	13	9.44
Lafayette, LA	Lafayette Utilities System	Municipal	14	9.53
Greenville, SC	Duke Energy	Investor Owned	15	9.57
Boise, ID	Idaho Power Company	Investor Owned	16	9.58
Springfield, MO	City Utilities of Springfield	Municipal	17	9.63
Little Rock, AR	Entergy Arkansas, Inc.	Investor Owned	18	9.93
Lexington, KY	Kentucky Utilities Company	Investor Owned	19	10.24
Bowling Green, KY	Bowling Green Municipal Utilities	Municipal	20	10.40
Tulsa, OK	Public Service Company of Oklahoma	Investor Owned	21	10.45
Richmond, VA	Dominion Virginia Power	Investor Owned	22	10.48
Austin, TX	Austin Energy	Municipal	23	10.58
Phoenix, AZ	Salt River Project	Political Subdivision	24	10.67
Fort Collins, CO	Platte River Power Authority	Municipal	25	10.71
High Point, NC	High Point Electric Utility Department	Municipal	26	10.72
Orlando, FL	Orlando Utilities Commission	Municipal	27	10.75
Colorado Springs, CO	City of Colorado Springs	Municipal	28	10.77
Fargo, ND	Northern States Power Company	Investor Owned	29	10.82
Odessa, TX	TXU Energy	Retail Power Marketer	30	10.83
Midland, TX	TXU Energy	Retail Power Marketer	30	10.83
Kansas City, MO	Evergy (Kansas City Power & Light Co.)	Investor Owned	30	10.83
San Antonio, TX	CPS Energy	Municipal	33	10.91
Huntsville, AL	City of Huntsville	Municipal	34	10.96
Savannah, GA	Georgia Power	Investor Owned	34	10.96
Wichita, KS	Evergy (Formerly Westar Energy Inc)	Investor Owned	36	10.97
Tallahassee, FL	City of Tallahassee Electric Utility	Municipal	37	11.08
Seattle, WA	Seattle City Light	Municipal	38	11.37
Lakeland, FL	Lakeland Electric Utility	Municipal	39	11.43
Laredo, TX	Reliant Energy	Retail Power Marketer	40	11.65
Waco, TX	Reliant Energy	Retail Power Marketer	40	11.65
Albuquerque, NM	Public Service Company of New Mexico	Investor Owned	42	11.66
Jacksonville, FL	JEA	Municipal	43	11.75
Sioux Falls, SD	Northern States Power Company	Investor Owned	44	11.81
Denver, CO	Xcel Energy (Public Service Company of Colorado)	Investor Owned	45	11.84
Auburn, AL	Alabama Power	Investor Owned	46	12.14
Charleston, WV	AEP (Appalachian Power Rate Area)	Investor Owned	47	12.16
Indianapolis, IN	Indianapolis Power & Light Company	Investor Owned	48	12.23
Nashville, TN	Nashville Electric Service	Municipal	49	12.26
Portland, OR	Portland General Electric Company	Investor Owned	50	12.30



Competitive Market Study: Appendix

Table 4: All Retail Sectors Average All-In Price - Cities

City/State	Utility	Utility Type	Rank	Average All-In Price (cents/kWh)
Kansas City, KS	Kansas City Board of Public Utilities	Municipal	51	12.47
Jackson, MS	Entergy Mississippi, Inc.	Investor Owned	52	12.66
Toledo, OH	Toledo Edison - FirstEnergy Corp.	Investor Owned	53	12.76
Evansville, IN	Southern Indiana Gas & Electric Company	Investor Owned	54	12.98
College Station, TX	College Station Utilities	Municipal	55	13.49
Reno, NV	Sierra Pacific Power Company - NV Energy	Investor Owned	56	13.54
Minneapolis, MN	Xcel Energy (Northern States Power Co. - Minnesota)	Investor Owned	56	13.54
Chicago, IL	Commonwealth Edison Company	Investor Owned	58	13.56
Billings, MT	NorthWestern Energy (formerly Montana Power)	Investor Owned	59	14.15
Milwaukee, WI	We Energies (formerly Wisconsin Electric)	Investor Owned	60	14.34
Las Vegas, NV	Nevada Power Company - NV Energy	Investor Owned	61	14.87
Turlock, CA	Turlock Irrigation District	Political Subdivision	62	14.94
Madison, WI	Madison Gas & Electric Company	Investor Owned	63	15.21
Wilmington, DE	Delmarva Power	Investor Owned	64	15.38
Lansing, MI	Lansing Board of Water & Light	Municipal	65	15.41
Sacramento, CA	Sacramento Municipal Util Dist	Political Subdivision	66	15.87
Dayton, OH	AES Ohio (formerly DP&L)	Investor Owned	67	15.88
Lima, OH	AEP Ohio (Ohio Power Company)	Investor Owned	68	16.17
Burlington, VT	City of Burlington Electric	Municipal	69	16.29
Newark, NJ	Public Service Electric & Gas Company	Investor Owned	69	16.29
Riverside, CA	Riverside Electric Utility	Municipal	71	16.45
Anaheim, CA	Anaheim Public Utilities	Municipal	72	16.51
Baltimore, MD	Baltimore Gas & Electric Company	Investor Owned	73	16.55
Washington, DC	Potomac Electric Power Company	Investor Owned	74	16.88
Gainesville, FL	Gainesville Regional Utilities	Municipal	75	17.33
Anchorage, AK	Chugach Electric Association Incorporated	Cooperative	76	17.57
Imperial, CA	Imperial Irrigation District - Energy	Political Subdivision	77	17.58
Allentown, PA	PPL Electric Utilities	Investor Owned	78	18.55
Farmingdale, NY	Long Island Power Authority	State	79	21.12
Pawtucket, RI	Narragansett Electric Company	Investor Owned	80	24.45
Portland, ME	Central Maine Power Co	Investor Owned	81	26.73
Manchester, NH	Public Service Company of New Hampshire	Investor Owned	82	28.63
Boston, MA	Eversource (Formerly Boston Edison Company)	Investor Owned	83	28.91
Cambridge, MA	Eversource (Formerly Cambridge Electric Company)	Investor Owned	83	28.91
Springfield, MA	Eversource (Formerly Western Massachusetts Electric)	Investor Owned	83	28.91
Bridgeport, CT	United Illuminating Company	Investor Owned	86	31.35
Honolulu, HI	Hawaiian Electric Company	Investor Owned	87	37.86

Note: Average price was calculated by dividing the utilities' sector revenue by sales of electricity.

Data Source(s): 2023 Form EIA-861 Annual Electric Power Industry Report, Sales to Ultimate Customers



Competitive Market Study: Appendix

Table 5: Residential Average All-In Price (cents/kWh) Rank Changes - Cities

City	Utility	Current Year Rank	Prior Year Rank	Rank Change	Average Price	Average Price PY	Price Percent Change
Lafayette, LA	Lafayette Utilities System	1	22	21	10.16	12.00	-15.33%
Lincoln, NE	Lincoln Electric System	2	1	-1	10.22	9.72	5.14%
Tacoma, WA	Tacoma Public Utilities	3	2	-1	10.37	10.03	3.39%
Kearney, NE	Nebraska Public Power District	4	3	-1	10.44	10.27	1.66%
Oklahoma City, OK	Oklahoma Gas & Electric Company	5	32	27	10.81	12.64	-14.48%
Council Bluffs, IA	MidAmerican Energy	6	7	1	11.00	11.01	-0.09%
Des Moines, IA	MidAmerican Energy	6	7	1	11.00	11.01	-0.09%
Sioux City, IA	MidAmerican Energy	6	7	1	11.00	11.01	-0.09%
Baton Rouge, LA	Entergy Louisiana, LLC	9	33	24	11.01	12.69	-13.24%
Springfield, MO	City Utilities of Springfield	10	5	-5	11.06	10.63	4.05%
Salt Lake City, UT	PacifiCorp	11	10	-1	11.27	11.13	1.26%
Myrtle Beach, SC	Santee Cooper	12	11	-1	11.38	11.33	0.44%
Huntsville, AL	City of Huntsville	13	16	3	11.48	11.74	-2.21%
Bowling Green, KY	Bowling Green Municipal Utilities	14	19	5	11.58	11.86	-2.36%
Boise, ID	Idaho Power Company	15	6	-9	11.65	10.70	8.88%
High Point, NC	High Point Electric Utility Department	16	15	-1	11.78	11.70	0.68%
Greensboro, NC	Duke Energy	17	4	-13	11.88	10.44	13.79%
Fargo, ND	Northern States Power Company	18	31	13	11.97	12.63	-5.23%
Lexington, KY	Kentucky Utilities Company	19	25	6	11.98	12.19	-1.72%
Omaha, NE	Omaha Public Power District	20	14	-6	12.02	11.68	2.91%
San Antonio, TX	CPS Energy	21	26	5	12.11	12.22	-0.90%
Lakeland, FL	Lakeland Electric Utility	22	24	2	12.26	12.18	0.66%
Phoenix, AZ	Salt River Project	23	20	-3	12.47	11.88	4.97%
Orlando, FL	Orlando Utilities Commission	24	46	22	12.58	14.06	-10.53%
Greenville, SC	Duke Energy	25	12	-13	12.67	11.55	9.70%
Fort Collins, CO	Platte River Power Authority	26	21	-5	12.68	11.97	5.93%
Seattle, WA	Seattle City Light	27	23	-4	12.78	12.12	5.45%
Little Rock, AR	Entergy Arkansas, Inc.	28	17	-11	13.00	11.80	10.17%
Austin, TX	Austin Energy	28	18	-10	13.00	11.85	9.70%
Tallahassee, FL	City of Tallahassee Electric Utility	30	28	-2	13.03	12.35	5.51%
Wichita, KS	Evergy (Formerly Westar Energy Inc)	31	49	18	13.09	14.16	-7.56%
Jacksonville, FL	JEA	32	50	18	13.21	14.17	-6.77%
Nashville, TN	Nashville Electric Service	33	38	5	13.44	13.15	2.21%
Kansas City, MO	Evergy (Kansas City Power & Light Co.)	34	35	1	13.61	12.97	4.93%
Jackson, MS	Entergy Mississippi, Inc.	35	13	-22	13.62	11.62	17.21%
Indianapolis, IN	Indianapolis Power & Light Company	36	36	0	13.76	12.98	6.01%
Colorado Springs, CO	City of Colorado Springs	37	54	17	13.80	15.10	-8.61%
Tulsa, OK	Public Service Company of Oklahoma	38	27	-11	13.83	12.33	12.17%
Richmond, VA	Dominion Virginia Power	39	43	4	13.92	13.41	3.80%
Sioux Falls, SD	Northern States Power Company	40	39	-1	14.15	13.23	6.95%
Denver, CO	Xcel Energy (Public Service Company of Colorado)	41	47	6	14.34	14.13	1.49%
College Station, TX	College Station Utilities	42	40	-2	14.53	13.30	9.25%
Billings, MT	NorthWestern Energy (formerly Montana Power)	43	29	-14	14.61	12.43	17.54%
Savannah, GA	Georgia Power	44	57	13	14.62	15.18	-3.69%
Chicago, IL	Commonwealth Edison Company	45	68	23	14.78	16.48	-10.32%
Washington, DC	Potomac Electric Power Company	46	33	-13	14.98	12.69	18.05%
Kansas City, KS	Kansas City Board of Public Utilities	47	51	4	15.02	14.21	5.70%
Cheyenne, WY	Cheyenne Light, Fuel & Power Company	48	53	5	15.16	14.48	4.70%
Portland, OR	Portland General Electric Company	49	45	-4	15.20	13.64	11.44%
Albuquerque, NM	Public Service Company of New Mexico	50	52	2	15.21	14.39	5.70%



Competitive Market Study: Appendix

Table 5: Residential Average All-In Price (cents/kWh) Rank Changes - Cities

City	Utility	Current Year Rank	Prior Year Rank	Rank Change	Average Price	Average Price PY	Price Percent Change
Toledo, OH	Toledo Edison - FirstEnergy Corp.	51	37	-14	15.40	13.13	17.29%
Wilmington, DE	Delmarva Power	52	42	-10	15.73	13.38	17.56%
Auburn, AL	Alabama Power	53	60	7	15.90	15.50	2.58%
Charleston, WV	AEP (Appalachian Power Rate Area)	54	58	4	16.02	15.31	4.64%
Reno, NV	Sierra Pacific Power Company - NV Energy	55	40	-15	16.10	13.30	21.05%
Minneapolis, MN	Xcel Energy (Northern States Power Co. - Minnesota)	56	61	5	16.31	15.60	4.55%
Dayton, OH	AES Ohio (formerly DP&L)	57	30	-27	16.40	12.59	30.26%
Laredo, TX	Reliant Energy	58	55	-3	16.45	15.11	8.87%
Waco, TX	Reliant Energy	58	55	-3	16.45	15.11	8.87%
Baltimore, MD	Baltimore Gas & Electric Company	60	44	-16	16.47	13.59	21.19%
Sacramento, CA	Sacramento Municipal Util Dist	61	69	8	16.89	16.74	0.90%
Turlock, CA	Turlock Irrigation District	62	66	4	16.98	15.99	6.19%
Gainesville, FL	Gainesville Regional Utilities	63	75	12	16.99	17.69	-3.96%
Evansville, IN	Southern Indiana Gas & Electric Company	64	73	9	17.24	17.32	-0.46%
Las Vegas, NV	Nevada Power Company - NV Energy	65	47	-18	17.27	14.13	22.22%
Anaheim, CA	Anaheim Public Utilities	66	67	1	17.54	16.31	7.54%
Imperial, CA	Imperial Irrigation District - Energy	67	61	-6	17.58	15.60	12.69%
Midland, TX	TXU Energy	68	64	-4	17.69	15.94	10.98%
Odessa, TX	TXU Energy	68	64	-4	17.69	15.94	10.98%
Burlington, VT	City of Burlington Electric	70	72	2	17.97	17.21	4.42%
Riverside, CA	Riverside Electric Utility	71	76	5	18.37	18.06	1.72%
Lima, OH	AEP Ohio (Ohio Power Company)	72	59	-13	18.63	15.48	20.35%
Newark, NJ	Public Service Electric & Gas Company	73	74	1	18.83	17.43	8.03%
Milwaukee, WI	We Energies (formerly Wisconsin Electric)	74	71	-3	18.96	16.94	11.92%
Allentown, PA	PPL Electric Utilities	75	70	-5	19.55	16.86	15.95%
Lansing, MI	Lansing Board of Water & Light	76	63	-13	19.61	15.90	23.33%
Madison, WI	Madison Gas & Electric Company	77	77	0	19.72	18.20	8.35%
Anchorage, AK	Chugach Electric Association Incorporated	78	78	0	20.65	19.95	3.51%
Farmingdale, NY	Long Island Power Authority	79	82	3	22.33	25.22	-11.46%
Pawtucket, RI	Narragansett Electric Company	80	80	0	27.19	22.98	18.32%
Portland, ME	Central Maine Power Co	81	79	-2	27.45	22.37	22.71%
Manchester, NH	Public Service Company of New Hampshire	82	83	1	28.93	25.98	11.35%
Boston, MA	Eversource (Formerly Boston Edison Company)	83	84	1	29.66	29.31	1.19%
Cambridge, MA	Eversource (Formerly Western Massachusetts Electric)	83	84	1	29.66	29.31	1.19%
Springfield, MA	Eversource (Formerly Cambridge Electric Company)	83	84	1	29.66	29.31	1.19%
Bridgeport, CT	United Illuminating Company	86	81	-5	33.16	23.55	40.81%
Honolulu, HI	Hawaiian Electric Company	87	87	0	43.22	43.43	-0.48%

Note: Average price was calculated by dividing the utilities' sector revenue by sales of electricity.

Data Source(s): 2023 Form EIA-861 Annual Electric Power Industry Report, Sales to Ultimate Customers



Competitive Market Study: Appendix

Table 6: Commercial Average All-In Price (cents/kWh) Rank Changes - Cities

City	Utility	Current Year Rank	Prior Year Rank	Rank Change	Average Price	Average Price PY	Price Percent Change
Oklahoma City, OK	Oklahoma Gas & Electric Company	1	20	19	7.85	10.28	-23.64%
Salt Lake City, UT	PacifiCorp	2	4	2	8.14	8.18	-0.49%
Lincoln, NE	Lincoln Electric System	3	2	-1	8.17	7.76	5.28%
Kearney, NE	Nebraska Public Power District	4	5	1	8.24	8.19	0.61%
Omaha, NE	Omaha Public Power District	5	11	6	8.45	8.93	-5.38%
Greensboro, NC	Duke Energy	6	1	-5	8.59	7.58	13.32%
Council Bluffs, IA	MidAmerican Energy	7	7	0	8.60	8.77	-1.94%
Des Moines, IA	MidAmerican Energy	7	7	0	8.60	8.77	-1.94%
Sioux City, IA	MidAmerican Energy	7	7	0	8.60	8.77	-1.94%
Cheyenne, WY	Cheyenne Light, Fuel & Power Company	10	48	38	8.74	11.95	-26.86%
Boise, ID	Idaho Power Company	11	3	-8	8.86	8.09	9.52%
Richmond, VA	Dominion Virginia Power	12	14	2	8.89	9.32	-4.61%
Lafayette, LA	Lafayette Utilities System	13	26	13	9.05	10.64	-14.94%
Springfield, MO	City Utilities of Springfield	14	10	-4	9.23	8.79	5.01%
Myrtle Beach, SC	Santee Cooper	15	15	0	9.47	9.37	1.07%
Orlando, FL	Orlando Utilities Commission	16	35	19	9.53	11.24	-15.21%
Tallahassee, FL	City of Tallahassee Electric Utility	17	6	-11	9.63	8.76	9.93%
Greenville, SC	Duke Energy	18	12	-6	9.90	9.04	9.51%
Colorado Springs, CO	City of Colorado Springs	19	50	31	9.91	11.99	-17.35%
Phoenix, AZ	Salt River Project	20	15	-5	9.92	9.37	5.87%
San Antonio, TX	CPS Energy	21	25	4	9.99	10.54	-5.22%
Baton Rouge, LA	Entergy Louisiana, LLC	22	45	23	10.03	11.68	-14.13%
Tacoma, WA	Tacoma Public Utilities	23	19	-4	10.22	9.85	3.76%
Tulsa, OK	Public Service Company of Oklahoma	24	13	-11	10.25	9.17	11.78%
Kansas City, MO	Evergy (Kansas City Power & Light Co.)	25	18	-7	10.28	9.80	4.90%
Wichita, KS	Evergy (Formerly Westar Energy Inc)	26	38	12	10.43	11.34	-8.02%
Little Rock, AR	Entergy Arkansas, Inc.	27	17	-10	10.46	9.47	10.45%
Lakeland, FL	Lakeland Electric Utility	28	29	1	10.47	10.82	-3.23%
High Point, NC	High Point Electric Utility Department	29	21	-8	10.55	10.31	2.33%
Bowling Green, KY	Bowling Green Municipal Utilities	30	32	2	10.61	11.04	-3.89%
Austin, TX	Austin Energy	31	23	-8	10.65	10.40	2.40%
Fargo, ND	Northern States Power Company	32	40	8	10.74	11.48	-6.45%
Seattle, WA	Seattle City Light	33	22	-11	10.78	10.34	4.26%
Fort Collins, CO	Platte River Power Authority	34	24	-10	11.01	10.45	5.36%
Savannah, GA	Georgia Power	35	56	21	11.05	12.64	-12.58%
Sioux Falls, SD	Northern States Power Company	36	31	-5	11.12	10.86	2.39%
Huntsville, AL	City of Huntsville	37	40	3	11.16	11.48	-2.79%
Jacksonville, FL	JEA	38	55	17	11.56	12.53	-7.74%
Chicago, IL	Commonwealth Edison Company	39	63	24	11.63	13.86	-16.09%
Denver, CO	Xcel Energy (Public Service Company of Colorado)	40	40	0	11.75	11.48	2.35%
Charleston, WV	AEP (Appalachian Power Rate Area)	40	34	-6	11.75	11.19	5.00%
Lexington, KY	Kentucky Utilities Company	40	52	12	11.75	12.08	-2.73%
Portland, OR	Portland General Electric Company	43	30	-13	11.98	10.85	10.41%
Nashville, TN	Nashville Electric Service	44	51	7	12.03	12.06	-0.25%
Kansas City, KS	Kansas City Board of Public Utilities	45	43	-2	12.08	11.56	4.50%
College Station, TX	College Station Utilities	46	37	-9	12.22	11.31	8.05%
Albuquerque, NM	Public Service Company of New Mexico	47	44	-3	12.34	11.60	6.38%
Laredo, TX	Reliant Energy	48	46	-2	12.39	11.75	5.45%
Waco, TX	Reliant Energy	48	46	-2	12.39	11.75	5.45%
Jackson, MS	Entergy Mississippi, Inc.	50	36	-14	13.18	11.26	17.05%



Competitive Market Study: Appendix

Table 6: Commercial Average All-In Price (cents/kWh) Rank Changes - Cities

City	Utility	Current Year Rank	Prior Year Rank	Rank Change	Average Price	Average Price PY	Price Percent Change
Minneapolis, MN	Xcel Energy (Northern States Power Co. - Minnesota)	51	59	8	13.33	13.26	0.53%
Reno, NV	Sierra Pacific Power Company - NV Energy	52	28	-24	13.38	10.80	23.89%
Las Vegas, NV	Nevada Power Company - NV Energy	53	27	-26	13.56	10.75	26.14%
Madison, WI	Madison Gas & Electric Company	54	54	0	13.80	12.48	10.58%
Milwaukee, WI	We Energies (formerly Wisconsin Electric)	55	57	2	13.82	12.67	9.08%
Indianapolis, IN	Indianapolis Power & Light Company	56	62	6	13.99	13.47	3.86%
Newark, NJ	Public Service Electric & Gas Company	57	61	4	14.07	13.37	5.24%
Auburn, AL	Alabama Power	58	64	6	14.09	14.07	0.14%
Billings, MT	NorthWestern Energy (formerly Montana Power)	59	49	-10	14.14	11.96	18.23%
Turlock, CA	Turlock Irrigation District	60	59	-1	14.21	13.26	7.16%
Lima, OH	AEP Ohio (Ohio Power Company)	61	39	-22	14.41	11.37	26.74%
Dayton, OH	AES Ohio (formerly DP&L)	62	33	-29	14.54	11.16	30.29%
Evansville, IN	Southern Indiana Gas & Electric Company	63	66	3	14.71	14.23	3.37%
Wilmington, DE	Delmarva Power	64	53	-11	15.15	12.19	24.28%
Lansing, MI	Lansing Board of Water & Light	65	58	-7	15.68	13.16	19.15%
Allentown, PA	PPL Electric Utilities	66	68	2	15.82	14.56	8.65%
Toledo, OH	Toledo Edison - FirstEnergy Corp.	67	65	-2	15.88	14.10	12.62%
Midland, TX	TXU Energy	68	70	2	16.01	15.01	6.66%
Odessa, TX	TXU Energy	68	70	2	16.01	15.01	6.66%
Sacramento, CA	Sacramento Municipal Util Dist	70	73	3	16.13	15.66	3.00%
Anchorage, AK	Chugach Electric Association Incorporated	71	74	3	16.30	15.70	3.82%
Pawtucket, RI	Narragansett Electric Company	72	67	-5	16.73	14.27	17.24%
Burlington, VT	City of Burlington Electric	73	75	2	16.88	16.06	5.11%
Baltimore, MD	Baltimore Gas & Electric Company	74	76	2	16.89	16.79	0.60%
Imperial, CA	Imperial Irrigation District - Energy	75	72	-3	17.44	15.63	11.58%
Anaheim, CA	Anaheim Public Utilities	76	77	1	17.59	17.13	2.69%
Gainesville, FL	Gainesville Regional Utilities	77	79	2	18.33	19.07	-3.88%
Riverside, CA	Riverside Electric Utility	78	78	0	18.54	17.83	3.98%
Washington, DC	Potomac Electric Power Company	79	69	-10	19.43	14.91	30.32%
Farmingdale, NY	Long Island Power Authority	80	82	2	19.83	22.48	-11.79%
Portland, ME	Central Maine Power Co	81	80	-1	24.65	19.24	28.12%
Bridgeport, CT	United Illuminating Company	82	81	-1	25.87	20.47	26.38%
Boston, MA	Eversource (Formerly Cambridge Electric Company)	83	84	1	27.09	24.85	9.01%
Cambridge, MA	Eversource (Formerly Western Massachusetts Electric)	83	84	1	27.09	24.85	9.01%
Springfield, MA	Eversource (Formerly Boston Edison Company)	83	84	1	27.09	24.85	9.01%
Manchester, NH	Public Service Company of New Hampshire	86	83	-3	27.71	22.89	21.06%
Honolulu, HI	Hawaiian Electric Company	87	87	0	38.27	39.58	-3.31%

Note: Average price was calculated by dividing the utilities' sector revenue by sales of electricity.

Data Source(s): 2023 Form EIA-861 Annual Electric Power Industry Report, Sales to Ultimate Customers



Competitive Market Study: Appendix

Table 7: Industrial Average All-In Price (cents/kWh) Rank Changes - Cities

City	Utility	Current Year Rank	Prior Year Rank	Rank Change	Average Price	Average Price PY	Price Percent Change
Kearney, NE	Nebraska Public Power District	1	1	0	4.54	4.05	12.1%
Oklahoma City, OK	Oklahoma Gas & Electric Company	2	27	25	5.08	7.20	-29.4%
Myrtle Beach, SC	Santee Cooper	3	11	8	5.11	6.43	-20.5%
Baton Rouge, LA	Entergy Louisiana, LLC	4	25	21	5.46	7.17	-23.8%
Albuquerque, NM	Public Service Company of New Mexico	5	2	-3	5.59	5.60	-0.2%
Cheyenne, WY	Cheyenne Light, Fuel & Power Company	6	37	31	5.95	7.93	-25.0%
Wilmington, DE	Delmarva Power	7	62	55	6.05	10.58	-42.8%
Council Bluffs, IA	MidAmerican Energy	8	8	0	6.26	6.35	-1.4%
Des Moines, IA	MidAmerican Energy	8	8	0	6.26	6.35	-1.4%
Sioux City, IA	MidAmerican Energy	8	8	0	6.26	6.35	-1.4%
Chicago, IL	Commonwealth Edison Company	11	61	50	6.34	10.34	-38.7%
Savannah, GA	Georgia Power	12	49	37	6.54	9.25	-29.3%
Greensboro, NC	Duke Energy	13	3	-10	6.71	5.89	13.9%
Greenville, SC	Duke Energy	14	4	-10	6.78	5.91	14.7%
Phoenix, AZ	Salt River Project	14	5	-9	6.78	6.13	10.6%
Austin, TX	Austin Energy	16	19	3	6.80	6.86	-0.9%
Lincoln, NE	Lincoln Electric System	17	13	-4	6.83	6.65	2.71%
Salt Lake City, UT	PacifiCorp	18	14	-4	6.86	6.79	1.0%
Omaha, NE	Omaha Public Power District	19	15	-4	6.94	6.81	1.9%
Laredo, TX	Reliant Energy	20	15	-5	7.00	6.81	2.8%
Waco, TX	Reliant Energy	20	15	-5	7.00	6.81	2.8%
Little Rock, AR	Entergy Arkansas, Inc.	20	12	-8	7.00	6.59	6.2%
Midland, TX	TXU Energy	23	20	-3	7.02	6.87	2.2%
Odessa, TX	TXU Energy	23	20	-3	7.02	6.87	2.2%
Bowling Green, KY	Bowling Green Municipal Utilities	25	31	6	7.13	7.55	-5.6%
Huntsville, AL	City of Huntsville	26	30	4	7.21	7.45	-3.2%
Tulsa, OK	Public Service Company of Oklahoma	26	5	-21	7.21	6.13	17.6%
Lexington, KY	Kentucky Utilities Company	28	28	0	7.31	7.38	-0.9%
Kansas City, MO	Eversource (Kansas City Power & Light Co.)	29	22	-7	7.33	6.89	6.4%
Toledo, OH	Toledo Edison - FirstEnergy Corp.	30	7	-23	7.59	6.33	19.9%
Nashville, TN	Nashville Electric Service	31	35	4	7.66	7.78	-1.5%
Tacoma, WA	Tacoma Public Utilities	32	15	-17	7.67	6.81	12.6%
Auburn, AL	Alabama Power	32	40	8	7.67	8.42	-8.9%
Springfield, MO	City Utilities of Springfield	34	29	-5	7.78	7.39	5.3%
Portland, OR	Portland General Electric Company	35	23	-12	7.82	6.99	11.9%
Boise, ID	Idaho Power Company	35	24	-11	7.82	7.11	10.0%
Denver, CO	Xcel Energy (Public Service Company of Colorado)	37	39	2	8.03	8.12	-1.1%
Charleston, WV	AEP (Appalachian Power Rate Area)	38	35	-3	8.05	7.78	3.5%
Newark, NJ	Public Service Electric & Gas Company	39	51	12	8.06	9.32	-13.5%
Fort Collins, CO	Platte River Power Authority	40	32	-8	8.16	7.62	7.1%
Richmond, VA	Dominion Virginia Power	41	33	-8	8.40	7.74	8.5%
Wichita, KS	Eversource (Formerly Westar Energy Inc)	42	47	5	8.44	9.14	-7.7%
Fargo, ND	Northern States Power Company	43	48	5	8.54	9.23	-7.5%
Sioux Falls, SD	Northern States Power Company	44	45	1	8.55	8.85	-3.4%
San Antonio, TX	CPS Energy	45	50	5	8.71	9.29	-6.2%
Colorado Springs, CO	City of Colorado Springs	46	58	12	8.79	9.74	-9.8%
High Point, NC	High Point Electric Utility Department	47	46	-1	8.87	8.88	-0.1%
Jacksonville, FL	JEA	48	57	9	8.90	9.72	-8.4%
Evansville, IN	Southern Indiana Gas & Electric Company	49	41	-8	9.02	8.63	4.5%
Seattle, WA	Seattle City Light	50	44	-6	9.08	8.76	3.7%



Competitive Market Study: Appendix

Table 7: Industrial Average All-In Price (cents/kWh) Rank Changes - Cities

City	Utility	Current Year Rank	Prior Year Rank	Rank Change	Average Price	Average Price PY	Price Percent Change
Madison, WI	Madison Gas & Electric Company	51	43	-8	9.17	8.68	5.6%
Lima, OH	AEP Ohio (Ohio Power Company)	52	26	-26	9.26	7.19	28.8%
Jackson, MS	Entergy Mississippi, Inc.	53	34	-19	9.28	7.75	19.7%
Milwaukee, WI	We Energies (formerly Wisconsin Electric)	54	52	-2	9.48	9.41	0.7%
Allentown, PA	PPL Electric Utilities	55	63	8	9.72	11.11	-12.5%
Kansas City, KS	Kansas City Board of Public Utilities	56	55	-1	10.32	9.66	6.8%
Minneapolis, MN	Xcel Energy (Northern States Power Co. - Minnesota)	57	59	2	10.36	10.26	1.0%
Lansing, MI	Lansing Board of Water & Light	58	64	6	10.44	11.49	-9.1%
Indianapolis, IN	Indianapolis Power & Light Company	59	60	1	10.48	10.27	2.0%
Lakeland, FL	Lakeland Electric Utility	60	42	-18	10.53	8.67	21.5%
Billings, MT	NorthWestern Energy (formerly Montana Power)	61	52	-9	10.85	9.41	15.3%
Reno, NV	Sierra Pacific Power Company - NV Energy	62	38	-24	11.29	8.03	40.6%
Las Vegas, NV	Nevada Power Company - NV Energy	63	54	-9	12.04	9.50	26.7%
Burlington, VT	City of Burlington Electric	64	66	2	12.57	12.22	2.9%
Sacramento, CA	Sacramento Municipal Util Dist	65	65	0	12.60	11.67	8.0%
Turlock, CA	Turlock Irrigation District	66	67	1	13.50	12.43	8.6%
Dayton, OH	AES Ohio (formerly DP&L)	67	56	-11	13.59	9.69	40.2%
Anchorage, AK	Chugach Electric Association Incorporated	68	68	0	13.65	12.95	5.4%
Riverside, CA	Riverside Electric Utility	69	69	0	13.89	13.44	3.3%
Gainesville, FL	Gainesville Regional Utilities	70	70	0	14.34	13.94	2.9%
Anaheim, CA	Anaheim Public Utilities	71	71	0	14.82	13.96	6.2%
Baltimore, MD	Baltimore Gas & Electric Company	72	72	0	15.94	16.41	-2.9%
Imperial, CA	Imperial Irrigation District - Energy	73	73	0	20.36	18.17	12.1%
Portland, ME	Central Maine Power Co	74	74	0	22.62	19.56	15.6%
Manchester, NH	Public Service Company of New Hampshire	75	76	1	26.90	21.73	23.8%
Bridgeport, CT	United Illuminating Company	76	75	-1	27.59	20.11	37.2%
Pawtucket, RI	Narragansett Electric Company	77	77	0	28.00	23.96	16.9%
Boston, MA	Eversource (Formerly Western Massachusetts Electric)	78	78	0	33.45	32.29	3.6%
Cambridge, MA	Eversource (Formerly Cambridge Electric Company)	78	78	0	33.45	32.29	3.6%
Springfield, MA	Eversource (Formerly Boston Edison Company)	78	78	0	33.45	32.29	3.6%
Honolulu, HI	Hawaiian Electric Company	81	81	0	34.47	35.96	-4.1%

Note: Average price was calculated by dividing the utilities' sector revenue by sales of electricity. College Station Utilities, Lafayette Utilities System, Orlando Utilities Commission, City of Tallahassee Electric Utility, Long Island Power Authority, and Potomac Electric Power Company are not included in the rankings as they don't report industrial revenue.

Data Source(s): 2023 Form EIA-861 Annual Electric Power Industry Report, Sales to Ultimate Customers



Competitive Market Study: Appendix

Table 8: All Retail Sectors Average All-In Price (cents/kWh) Rank Changes - Cities

City	Utility	Current Year Rank	Prior Year Rank	Rank Change	Average Price	Average Price PY	Price Percent Change
Kearney, NE	Nebraska Public Power District	1	1	0	6.88	6.54	5.2%
Myrtle Beach, SC	Santee Cooper	2	5	3	7.22	7.99	-9.6%
Council Bluffs, IA	MidAmerican Energy	3	2	-1	7.73	7.88	-1.9%
Des Moines, IA	MidAmerican Energy	3	2	-1	7.73	7.88	-1.9%
Sioux City, IA	MidAmerican Energy	3	2	-1	7.73	7.88	-1.9%
Baton Rouge, LA	Entergy Louisiana, LLC	6	16	10	7.78	9.44	-17.6%
Oklahoma City, OK	Oklahoma Gas & Electric Company	7	22	15	8.06	10.25	-21.4%
Salt Lake City, UT	PacifiCorp	8	10	2	8.78	8.71	0.8%
Lincoln, NE	Lincoln Electric System	9	8	-1	8.82	8.41	4.88%
Tacoma, WA	Tacoma Public Utilities	10	7	-3	9.03	8.39	7.6%
Omaha, NE	Omaha Public Power District	11	12	1	9.21	9.08	1.4%
Cheyenne, WY	Cheyenne Light, Fuel & Power Company	12	20	8	9.28	10.10	-8.1%
Greensboro, NC	Duke Energy	13	6	-7	9.44	8.33	13.3%
Lafayette, LA	Lafayette Utilities System	14	39	25	9.53	11.22	-15.1%
Greenville, SC	Duke Energy	15	9	-6	9.57	8.62	11.0%
Boise, ID	Idaho Power Company	16	11	-5	9.58	8.77	9.2%
Springfield, MO	City Utilities of Springfield	17	14	-3	9.63	9.22	4.4%
Little Rock, AR	Entergy Arkansas, Inc.	18	13	-5	9.93	9.21	7.8%
Lexington, KY	Kentucky Utilities Company	19	25	6	10.24	10.50	-2.5%
Bowling Green, KY	Bowling Green Municipal Utilities	20	32	12	10.40	10.81	-3.8%
Tulsa, OK	Public Service Company of Oklahoma	21	15	-6	10.45	9.30	12.4%
Richmond, VA	Dominion Virginia Power	22	29	7	10.48	10.66	-1.7%
Austin, TX	Austin Energy	23	18	-5	10.58	10.09	4.9%
Phoenix, AZ	Salt River Project	24	18	-6	10.67	10.09	5.7%
Fort Collins, CO	Platte River Power Authority	25	21	-4	10.71	10.11	5.9%
High Point, NC	High Point Electric Utility Department	26	26	0	10.72	10.58	1.3%
Orlando, FL	Orlando Utilities Commission	27	56	29	10.75	12.36	-13.0%
Colorado Springs, CO	City of Colorado Springs	28	50	22	10.77	12.06	-10.7%
Fargo, ND	Northern States Power Company	29	43	14	10.82	11.54	-6.2%
Midland, TX	TXU Energy	30	27	-3	10.83	10.59	2.3%
Odessa, TX	TXU Energy	30	27	-3	10.83	10.59	2.3%
Kansas City, MO	Eversource (Kansas City Power & Light Co.)	30	24	-6	10.83	10.34	4.7%
San Antonio, TX	CPS Energy	33	41	8	10.91	11.28	-3.3%
Huntsville, AL	City of Huntsville	34	40	6	10.96	11.26	-2.7%
Savannah, GA	Georgia Power	34	58	24	10.96	12.56	-12.7%
Wichita, KS	Eversource (Formerly Westar Energy Inc)	36	48	12	10.97	11.92	-8.0%
Tallahassee, FL	City of Tallahassee Electric Utility	37	23	-14	11.08	10.33	7.3%
Seattle, WA	Seattle City Light	38	33	-5	11.37	10.83	5.0%
Lakeland, FL	Lakeland Electric Utility	39	34	-5	11.43	11.04	3.5%
Laredo, TX	Reliant Energy	40	34	-6	11.65	11.04	5.5%
Waco, TX	Reliant Energy	40	34	-6	11.65	11.04	5.5%
Albuquerque, NM	Public Service Company of New Mexico	42	37	-5	11.66	11.12	4.9%
Jacksonville, FL	JEA	43	59	16	11.75	12.68	-7.3%
Sioux Falls, SD	Northern States Power Company	44	42	-2	11.81	11.40	3.6%
Denver, CO	Xcel Energy (Public Service Company of Colorado)	45	44	-1	11.84	11.69	1.3%
Auburn, AL	Alabama Power	46	54	8	12.14	12.32	-1.5%
Charleston, WV	AEP (Appalachian Power Rate Area)	47	46	-1	12.16	11.81	3.0%
Indianapolis, IN	Indianapolis Power & Light Company	48	45	-3	12.23	11.80	3.6%
Nashville, TN	Nashville Electric Service	49	53	4	12.26	12.16	0.8%
Portland, OR	Portland General Electric Company	50	38	-12	12.30	11.17	10.1%



Competitive Market Study: Appendix

Table 8: All Retail Sectors Average All-In Price (cents/kWh) Rank Changes - Cities

City	Utility	Current Year Rank	Prior Year Rank	Rank Change	Average Price	Average Price PY	Price Percent Change
Kansas City, KS	Kansas City Board of Public Utilities	51	47	-4	12.47	11.82	5.5%
Jackson, MS	Entergy Mississippi, Inc.	52	31	-21	12.66	10.78	17.4%
Toledo, OH	Toledo Edison - FirstEnergy Corp.	53	17	-36	12.76	9.95	28.2%
Evansville, IN	Southern Indiana Gas & Electric Company	54	60	6	12.98	12.77	1.6%
College Station, TX	College Station Utilities	55	57	2	13.49	12.41	8.7%
Reno, NV	Sierra Pacific Power Company - NV Energy	56	30	-26	13.54	10.68	26.8%
Minneapolis, MN	Xcel Energy (Northern States Power Co. - Minnesota)	56	63	7	13.54	13.24	2.3%
Chicago, IL	Commonwealth Edison Company	58	72	14	13.56	15.60	-13.1%
Billings, MT	NorthWestern Energy (formerly Montana Power)	59	49	-10	14.15	12.01	17.8%
Milwaukee, WI	We Energies (formerly Wisconsin Electric)	60	62	2	14.34	13.22	8.5%
Las Vegas, NV	Nevada Power Company - NV Energy	61	51	-10	14.87	12.07	23.2%
Turlock, CA	Turlock Irrigation District	62	67	5	14.94	13.92	7.3%
Madison, WI	Madison Gas & Electric Company	63	66	3	15.21	13.88	9.6%
Wilmington, DE	Delmarva Power	64	61	-3	15.38	12.97	18.6%
Lansing, MI	Lansing Board of Water & Light	65	64	-1	15.41	13.65	12.9%
Sacramento, CA	Sacramento Municipal Util Dist	66	69	3	15.87	15.34	3.5%
Dayton, OH	AES Ohio (formerly DP&L)	67	52	-15	15.88	12.08	31.5%
Lima, OH	AEP Ohio (Ohio Power Company)	68	54	-14	16.17	12.32	31.3%
Burlington, VT	City of Burlington Electric	69	71	2	16.29	15.58	4.6%
Newark, NJ	Public Service Electric & Gas Company	69	70	1	16.29	15.36	6.1%
Riverside, CA	Riverside Electric Utility	71	75	4	16.45	16.03	2.6%
Anaheim, CA	Anaheim Public Utilities	72	73	1	16.51	15.65	5.5%
Baltimore, MD	Baltimore Gas & Electric Company	73	68	-5	16.55	14.33	15.5%
Washington, DC	Potomac Electric Power Company	74	65	-9	16.88	13.69	23.3%
Gainesville, FL	Gainesville Regional Utilities	75	78	3	17.33	17.92	-3.3%
Anchorage, AK	Chugach Electric Association Incorporated	76	77	1	17.57	16.93	3.8%
Imperial, CA	Imperial Irrigation District - Energy	77	74	-3	17.58	15.67	12.2%
Allentown, PA	PPL Electric Utilities	78	76	-2	18.55	16.16	14.8%
Farmingdale, NY	Long Island Power Authority	79	82	3	21.12	23.91	-11.7%
Pawtucket, RI	Narragansett Electric Company	80	79	-1	24.45	20.51	19.2%
Portland, ME	Central Maine Power Co	81	80	-1	26.73	21.54	24.1%
Manchester, NH	Public Service Company of New Hampshire	82	83	1	28.63	25.14	13.9%
Boston, MA	Eversource (Formerly Boston Edison Company)	83	84	1	28.91	27.87	3.7%
Cambridge, MA	Eversource (Formerly Cambridge Electric Company)	83	84	1	28.91	27.87	3.7%
Springfield, MA	Eversource (Formerly Western Massachusetts Electric)	83	84	1	28.91	27.87	3.7%
Bridgeport, CT	United Illuminating Company	86	81	-5	31.35	22.81	37.4%
Honolulu, HI	Hawaiian Electric Company	87	87	0	37.86	39.00	-2.9%

Note: Average price was calculated by dividing the utilities' sector revenue by sales of electricity.

Data Source(s): 2023 Form EIA-861 Annual Electric Power Industry Report, Sales to Ultimate Customers



Competitive Market Study: Appendix

Table 9: Residential Average All-In Price - States			
State	Electric Market	Rank	Average All-In Price (cents/kWh)
Washington	Non Retail Choice	1	10.98
North Dakota	Non Retail Choice	2	11.01
Idaho	Non Retail Choice	3	11.05
Nebraska	Non Retail Choice	4	11.20
Utah	Non Retail Choice	4	11.20
Wyoming	Non Retail Choice	6	11.46
Louisiana	Non Retail Choice	7	11.55
Oklahoma	Non Retail Choice	8	12.08
Tennessee	Non Retail Choice	9	12.19
Arkansas	Non Retail Choice	10	12.25
South Dakota	Non Retail Choice	11	12.32
Montana	Retail Choice	12	12.54
Missouri	Non Retail Choice	13	12.58
Kentucky	Non Retail Choice	14	12.65
Oregon	Non Retail Choice	15	12.73
North Carolina	Non Retail Choice	16	12.93
Mississippi	Non Retail Choice	17	13.23
Iowa	Non Retail Choice	18	13.31
Kansas	Non Retail Choice	19	13.38
South Carolina	Non Retail Choice	20	13.68
Georgia	Non Retail Choice	21	13.69
New Mexico	Non Retail Choice	22	13.85
Arizona	Non Retail Choice	23	14.02
West Virginia	Non Retail Choice	24	14.05
Virginia	Non Retail Choice	25	14.26
Colorado	Non Retail Choice	26	14.30
Texas	Retail Choice	27	14.46
Alabama	Non Retail Choice	28	14.63
Minnesota	Non Retail Choice	29	14.73
Indiana	Non Retail Choice	30	14.94
Florida	Non Retail Choice	31	15.21
Ohio	Retail Choice	32	15.38
Illinois	Retail Choice	33	15.71
Delaware	Retail Choice	34	15.73
District of Columbia	Retail Choice	35	16.45
Maryland	Retail Choice	36	16.60
Nevada	Non Retail Choice	37	16.67
Wisconsin	Non Retail Choice	38	16.88
New Jersey	Retail Choice	39	17.70
Pennsylvania	Retail Choice	40	18.10
Michigan	Retail Choice	41	18.84
Vermont	Non Retail Choice	42	20.82
New York	Retail Choice	43	22.24
Alaska	Non Retail Choice	44	23.90
Rhode Island	Retail Choice	45	27.02
Maine	Retail Choice	46	27.42
New Hampshire	Retail Choice	47	28.15
California	Retail Choice	48	29.51
Massachusetts	Retail Choice	49	29.61
Connecticut	Retail Choice	50	29.88
Hawaii	Non Retail Choice	51	42.39

Data Source(s): 2023 EIA Electric Sales, Revenue, and Average Price, Table 5A; 2023 Form EIA-861 Annual Electric Power Industry Report, Sales to Ultimate Customers; APPA Retail Electric Rates in Deregulated and Regulated States, 2023 Update



Competitive Market Study: Appendix

Table 10: Commercial Average All-In Price -States			
State	Electric Market	Rank	Average All-In Price (cents/kWh)
North Dakota	Non Retail Choice	1	7.38
Utah	Non Retail Choice	2	8.51
Nebraska	Non Retail Choice	3	8.76
Idaho	Non Retail Choice	4	8.78
Texas	Retail Choice	5	8.82
Wyoming	Non Retail Choice	6	8.94
Virginia	Non Retail Choice	7	8.95
Oklahoma	Non Retail Choice	8	9.34
North Carolina	Non Retail Choice	9	9.67
Oregon	Non Retail Choice	10	9.92
Washington	Non Retail Choice	10	9.92
Missouri	Non Retail Choice	12	10.14
South Dakota	Non Retail Choice	13	10.16
Iowa	Non Retail Choice	14	10.33
Arkansas	Non Retail Choice	15	10.34
South Carolina	Non Retail Choice	16	10.39
Louisiana	Non Retail Choice	17	10.45
New Mexico	Non Retail Choice	18	10.68
Georgia	Non Retail Choice	19	10.70
Ohio	Retail Choice	20	10.75
Kansas	Non Retail Choice	21	10.85
West Virginia	Non Retail Choice	22	11.03
Illinois	Retail Choice	23	11.24
Pennsylvania	Retail Choice	24	11.26
Kentucky	Non Retail Choice	25	11.38
Colorado	Non Retail Choice	26	11.64
Arizona	Non Retail Choice	27	11.79
Tennessee	Non Retail Choice	28	11.80
Delaware	Retail Choice	29	11.83
Nevada	Non Retail Choice	30	11.91
Florida	Non Retail Choice	31	11.95
Montana	Retail Choice	32	12.11
Mississippi	Non Retail Choice	33	12.37
Minnesota	Non Retail Choice	34	12.39
Indiana	Non Retail Choice	35	12.55
Wisconsin	Non Retail Choice	36	12.76
Maryland	Retail Choice	37	12.77
Alabama	Non Retail Choice	38	13.16
Michigan	Retail Choice	39	13.40
New Jersey	Retail Choice	40	14.00
District of Columbia	Retail Choice	41	16.94
Rhode Island	Retail Choice	42	17.68
Maine	Retail Choice	43	17.88
Vermont	Non Retail Choice	44	18.00
New York	Retail Choice	45	18.01
Massachusetts	Retail Choice	46	19.62
Connecticut	Retail Choice	47	19.99
New Hampshire	Retail Choice	48	20.40
Alaska	Non Retail Choice	49	20.87
California	Retail Choice	50	23.91
Hawaii	Non Retail Choice	51	39.03

Data Source(s): 2023 EIA Electric Sales, Revenue, and Average Price, Table 5A; 2023 Form EIA-861 Annual Electric Power Industry Report, Sales to Ultimate Customers; APPA Retail Electric Rates in Deregulated and Regulated States, 2023 Update



Competitive Market Study: Appendix

Table 11: Industrial Average All-In Price - States			
State	Electric Market	Rank	Average All-In Price (cents/kWh)
New Mexico	Non Retail Choice	1	5.75
Louisiana	Non Retail Choice	2	5.88
Tennessee	Non Retail Choice	3	6.23
Oklahoma	Non Retail Choice	4	6.26
Washington	Non Retail Choice	5	6.35
Kentucky	Non Retail Choice	6	6.55
Texas	Retail Choice	7	6.60
South Carolina	Non Retail Choice	8	6.68
Arkansas	Non Retail Choice	9	6.87
New York	Retail Choice	9	6.87
Georgia	Non Retail Choice	11	6.88
Iowa	Non Retail Choice	12	6.91
Mississippi	Non Retail Choice	13	6.96
Utah	Non Retail Choice	14	6.99
Ohio	Retail Choice	15	7.03
Wyoming	Non Retail Choice	16	7.06
Alabama	Non Retail Choice	17	7.10
North Carolina	Non Retail Choice	18	7.15
Idaho	Non Retail Choice	19	7.17
West Virginia	Non Retail Choice	20	7.24
North Dakota	Non Retail Choice	21	7.37
Oregon	Non Retail Choice	22	7.52
Nebraska	Non Retail Choice	23	7.63
Kansas	Non Retail Choice	24	7.64
Pennsylvania	Retail Choice	25	7.75
Montana	Retail Choice	26	7.80
Delaware	Retail Choice	27	7.85
Missouri	Non Retail Choice	28	7.90
South Dakota	Non Retail Choice	29	8.01
Arizona	Non Retail Choice	30	8.11
Michigan	Retail Choice	31	8.16
Illinois	Retail Choice	32	8.20
Indiana	Non Retail Choice	33	8.24
Colorado	Non Retail Choice	34	8.50
Wisconsin	Non Retail Choice	35	8.68
Virginia	Non Retail Choice	36	8.92
Minnesota	Non Retail Choice	37	9.20
Florida	Non Retail Choice	38	9.39
Maryland	Retail Choice	39	9.94
Nevada	Non Retail Choice	40	10.36
District of Columbia	Retail Choice	41	10.85
Vermont	Non Retail Choice	42	11.27
New Jersey	Retail Choice	43	11.68
Maine	Retail Choice	44	12.30
Connecticut	Retail Choice	45	15.69
New Hampshire	Retail Choice	46	15.76
Massachusetts	Retail Choice	47	17.88
California	Retail Choice	48	18.64
Alaska	Non Retail Choice	49	18.70
Rhode Island	Retail Choice	50	18.98
Hawaii	Non Retail Choice	51	35.28

Data Source(s): 2023 EIA Electric Sales, Revenue, and Average Price, Table 5A; 2023 Form EIA-861 Annual Electric Power Industry Report, Sales to Ultimate Customers; APPA Retail Electric Rates in Deregulated and Regulated States, 2023 Update



Competitive Market Study: Appendix

Table 12: All Retail Sectors Average All-In Price - States			
State	Electric Market	Rank	Average All-In Price (cents/kWh)
North Dakota	Non Retail Choice	1	8.03
Wyoming	Non Retail Choice	2	8.39
Louisiana	Non Retail Choice	3	8.91
Utah	Non Retail Choice	4	9.03
Idaho	Non Retail Choice	5	9.08
Nebraska	Non Retail Choice	6	9.14
Oklahoma	Non Retail Choice	7	9.30
Iowa	Non Retail Choice	8	9.42
New Mexico	Non Retail Choice	9	9.47
Washington	Non Retail Choice	10	9.58
Arkansas	Non Retail Choice	11	9.73
Kentucky	Non Retail Choice	12	9.96
Texas	Retail Choice	13	10.04
West Virginia	Non Retail Choice	14	10.26
Oregon	Non Retail Choice	15	10.32
South Dakota	Non Retail Choice	16	10.49
South Carolina	Non Retail Choice	17	10.50
North Carolina	Non Retail Choice	18	10.61
Virginia	Non Retail Choice	19	10.68
Tennessee	Non Retail Choice	20	10.69
Kansas	Non Retail Choice	21	10.80
Missouri	Non Retail Choice	22	10.87
Mississippi	Non Retail Choice	23	10.95
Montana	Retail Choice	24	10.97
Ohio	Retail Choice	25	11.04
Georgia	Non Retail Choice	26	11.07
Alabama	Non Retail Choice	27	11.47
Indiana	Non Retail Choice	28	11.49
Illinois	Retail Choice	29	11.76
Colorado	Non Retail Choice	29	11.76
Arizona	Non Retail Choice	31	12.19
Minnesota	Non Retail Choice	32	12.21
Pennsylvania	Retail Choice	33	12.58
Wisconsin	Non Retail Choice	34	12.72
Delaware	Retail Choice	35	12.85
Nevada	Non Retail Choice	36	13.09
Florida	Non Retail Choice	37	13.53
Michigan	Retail Choice	38	13.68
Maryland	Retail Choice	39	14.36
New Jersey	Retail Choice	40	15.28
District of Columbia	Retail Choice	41	16.71
Vermont	Non Retail Choice	42	17.53
New York	Retail Choice	43	18.33
Maine	Retail Choice	44	20.84
Alaska	Non Retail Choice	45	21.41
Rhode Island	Retail Choice	46	21.64
New Hampshire	Retail Choice	47	22.96
Massachusetts	Retail Choice	48	23.30
Connecticut	Retail Choice	49	24.26
California	Retail Choice	50	24.90
Hawaii	Non Retail Choice	51	38.60

Data Source(s): 2023 EIA Electric Sales, Revenue, and Average Price, Table 5A; 2023 Form EIA-861 Annual Electric Power Industry Report, Sales to Ultimate Customers; APPA Retail Electric Rates in Deregulated and Regulated States, 2023 Update



Competitive Market Study: Appendix

Table 13: Residential All-In Price Stability - Cities

City/State	Utility	Utility Type	Rank	Average Absolute Percent Change
Turlock, CA	Turlock Irrigation District	Political Subdivision	1	1.10%
College Station, TX	College Station Utilities	Municipal	2	1.49%
Phoenix, AZ	Salt River Project	Political Subdivision	3	1.54%
Omaha, NE	Omaha Public Power District	Political Subdivision	4	1.72%
Lincoln, NE	Lincoln Electric System	Municipal	5	1.83%
Burlington, VT	City of Burlington Electric	Municipal	5	1.83%
Riverside, CA	Riverside Electric Utility	Municipal	5	1.83%
Salt Lake City, UT	PacifiCorp	Investor Owned	8	2.13%
High Point, NC	High Point Electric Utility Department	Municipal	9	2.26%
Kearney, NE	Nebraska Public Power District	Political Subdivision	10	2.30%
Myrtle Beach, SC	Santee Cooper	State	11	2.36%
Newark, NJ	Public Service Electric & Gas Company	Investor Owned	12	2.44%
Evansville, IN	Southern Indiana Gas & Electric Company	Investor Owned	13	2.48%
Bowling Green, KY	Bowling Green Municipal Utilities	Municipal	14	2.59%
Sioux Falls, SD	Northern States Power Company	Investor Owned	15	2.62%
Council Bluffs, IA	MidAmerican Energy	Investor Owned	16	2.67%
Des Moines, IA	MidAmerican Energy	Investor Owned	16	2.67%
Sioux City, IA	MidAmerican Energy	Investor Owned	16	2.67%
Boise, ID	Idaho Power Company	Investor Owned	19	2.70%
Richmond, VA	Dominion Virginia Power	Investor Owned	20	2.76%
Greensboro, NC	Duke Energy	Investor Owned	21	2.79%
Tacoma, WA	Tacoma Public Utilities	Municipal	22	2.88%
Tallahassee, FL	City of Tallahassee Electric Utility	Municipal	23	2.93%
Huntsville, AL	City of Huntsville	Municipal	24	2.97%
San Antonio, TX	CPS Energy	Municipal	25	2.99%
Nashville, TN	Nashville Electric Service	Municipal	26	3.02%
Sacramento, CA	Sacramento Municipal Util Dist	Political Subdivision	27	3.07%
Fort Collins, CO	Platte River Power Authority	Municipal	28	3.11%
Milwaukee, WI	We Energies (formerly Wisconsin Electric)	Investor Owned	29	3.12%
Minneapolis, MN	Xcel Energy (Northern States Power Co. - Minnesota)	Investor Owned	30	3.61%
Madison, WI	Madison Gas & Electric Company	Investor Owned	31	3.62%
Denver, CO	Xcel Energy (Public Service Company of Colorado)	Investor Owned	32	3.74%
Springfield, MO	City Utilities of Springfield	Municipal	33	3.87%
Billings, MT	NorthWestern Energy (formerly Montana Power)	Investor Owned	33	3.87%
Kansas City, KS	Kansas City Board of Public Utilities	Municipal	35	3.99%
Albuquerque, NM	Public Service Company of New Mexico	Investor Owned	36	4.02%
Wilmington, DE	Delmarva Power	Investor Owned	37	4.04%
Auburn, AL	Alabama Power	Investor Owned	38	4.11%
Portland, OR	Portland General Electric Company	Investor Owned	39	4.12%
Austin, TX	Austin Energy	Municipal	40	4.32%
Greenville, SC	Duke Energy	Investor Owned	41	4.34%
Kansas City, MO	Evergy (Kansas City Power & Light Co.)	Investor Owned	42	4.37%
Indianapolis, IN	Indianapolis Power & Light Company	Investor Owned	43	4.38%
Washington, DC	Potomac Electric Power Company	Investor Owned	44	4.47%
Lexington, KY	Kentucky Utilities Company	Investor Owned	45	4.50%
Cheyenne, WY	Cheyenne Light, Fuel & Power Company	Investor Owned	46	4.51%
Anaheim, CA	Anaheim Public Utilities	Municipal	47	4.52%
Savannah, GA	Georgia Power	Investor Owned	47	4.52%
Wichita, KS	Evergy (Formerly Westar Energy Inc)	Investor Owned	49	4.54%
Odessa, TX	TXU Energy	Retail Power Marketer	50	4.59%



Competitive Market Study: Appendix

Table 13: Residential All-In Price Stability - Cities

City/State	Utility	Utility Type	Rank	Average Absolute Percent Change
Midland, TX	TXU Energy	Retail Power Marketer	50	4.59%
Fargo, ND	Northern States Power Company	Investor Owned	52	4.60%
Seattle, WA	Seattle City Light	Municipal	53	4.61%
Jacksonville, FL	JEA	Municipal	54	4.69%
Anchorage, AK	Chugach Electric Association Incorporated	Municipal	55	4.99%
Lakeland, FL	Lakeland Electric Utility	Municipal	56	5.08%
Laredo, TX	Reliant Energy	Retail Power Marketer	57	5.14%
Waco, TX	Reliant Energy	Retail Power Marketer	57	5.14%
Toledo, OH	Toledo Edison - FirstEnergy Corp.	Investor Owned	57	5.14%
Farmingdale, NY	Long Island Power Authority	State	60	5.27%
Colorado Springs, CO	City of Colorado Springs	Municipal	61	5.40%
Lansing, MI	Lansing Board of Water & Light	Municipal	62	5.61%
Little Rock, AR	Entergy Arkansas, Inc.	Investor Owned	63	5.62%
Baltimore, MD	Baltimore Gas & Electric Company	Investor Owned	64	6.00%
Chicago, IL	Commonwealth Edison Company	Investor Owned	65	6.67%
Lima, OH	AEP Ohio (Ohio Power Company)	Investor Owned	66	6.81%
Oklahoma City, OK	Oklahoma Gas & Electric Company	Investor Owned	67	6.82%
Imperial, CA	Imperial Irrigation District - Energy	Political Subdivision	68	6.93%
Gainesville, FL	Gainesville Regional Utilities	Municipal	69	6.95%
Springfield, MA	Eversource (Formerly Western Massachusetts Electric)	Investor Owned	70	7.09%
Cambridge, MA	Eversource (Formerly Cambridge Electric Company)	Investor Owned	70	7.09%
Boston, MA	Eversource (Formerly Boston Edison Company)	Investor Owned	70	7.09%
Charleston, WV	AEP (Appalachian Power Rate Area)	Investor Owned	73	7.16%
Allentown, PA	PPL Electric Utilities	Investor Owned	74	7.23%
Orlando, FL	Orlando Utilities Commission	Municipal	75	7.27%
Baton Rouge, LA	Entergy Louisiana, LLC	Investor Owned	76	7.29%
Pawtucket, RI	Narragansett Electric Company	Investor Owned	77	7.54%
Lafayette, LA	Lafayette Utilities System	Municipal	78	7.77%
Manchester, NH	Public Service Company of New Hampshire	Investor Owned	79	7.99%
Tulsa, OK	Public Service Company of Oklahoma	Investor Owned	80	8.11%
Las Vegas, NV	Nevada Power Company - NV Energy	Investor Owned	81	8.21%
Reno, NV	Sierra Pacific Power Company - NV Energy	Investor Owned	82	8.95%
Portland, ME	Central Maine Power Co	Investor Owned	83	9.00%
Bridgeport, CT	United Illuminating Company	Investor Owned	84	9.04%
Jackson, MS	Entergy Mississippi, Inc.	Investor Owned	85	9.06%
Honolulu, HI	Hawaiian Electric Company	Investor Owned	86	10.42%
Dayton, OH	AES Ohio (formerly DP&L)	Investor Owned	87	10.55%

Note: Average price stability was calculated by determining the utilities' average absolute percent change between the years 2013-2023.

Data Source(s): 2013-2023 Form EIA-861 Annual Electric Power Industry Report, Sales to Ultimate Customers



Competitive Market Study: Appendix

Table 14: Commercial All-In Price Stability - Cities				
City/State	Utility	Utility Type	Rank	Average Absolute Percent Change
Omaha, NE	Omaha Public Power District	Political Subdivision	1	1.26%
Riverside, CA	Riverside Electric Utility	Municipal	2	1.47%
Lincoln, NE	Lincoln Electric System	Municipal	3	1.50%
Phoenix, AZ	Salt River Project	Political Subdivision	4	1.68%
Turlock, CA	Turlock Irrigation District	Political Subdivision	5	1.82%
Salt Lake City, UT	PacifiCorp	Investor Owned	6	2.06%
Kearney, NE	Nebraska Public Power District	Political Subdivision	7	2.17%
College Station, TX	College Station Utilities	Municipal	8	2.31%
Burlington, VT	City of Burlington Electric	Municipal	9	2.41%
Evansville, IN	Southern Indiana Gas & Electric Company	Investor Owned	10	2.43%
Nashville, TN	Nashville Electric Service	Municipal	11	2.47%
Milwaukee, WI	We Energies (formerly Wisconsin Electric)	Investor Owned	12	2.53%
Council Bluffs, IA	MidAmerican Energy	Investor Owned	12	2.53%
Sioux City, IA	MidAmerican Energy	Investor Owned	12	2.53%
Des Moines, IA	MidAmerican Energy	Investor Owned	12	2.53%
Myrtle Beach, SC	Santee Cooper	State	16	2.54%
Newark, NJ	Public Service Electric & Gas Company	Investor Owned	17	2.55%
Sioux Falls, SD	Northern States Power Company	Investor Owned	18	2.59%
Bowling Green, KY	Bowling Green Municipal Utilities	Municipal	19	2.68%
High Point, NC	High Point Electric Utility Department	Municipal	19	2.68%
Greensboro, NC	Duke Energy	Investor Owned	21	2.80%
Tacoma, WA	Tacoma Public Utilities	Municipal	22	2.88%
Huntsville, AL	City of Huntsville	Municipal	23	3.17%
Billings, MT	NorthWestern Energy (formerly Montana Power)	Investor Owned	24	3.41%
Portland, OR	Portland General Electric Company	Investor Owned	25	3.45%
Waco, TX	Reliant Energy	Retail Power Marketer	26	3.53%
Laredo, TX	Reliant Energy	Retail Power Marketer	26	3.53%
Sacramento, CA	Sacramento Municipal Util Dist	Political Subdivision	28	3.60%
Fort Collins, CO	Platte River Power Authority	Municipal	29	3.61%
Tallahassee, FL	City of Tallahassee Electric Utility	Municipal	29	3.61%
Auburn, AL	Alabama Power	Investor Owned	31	3.73%
Denver, CO	Xcel Energy (Public Service Company of Colorado)	Investor Owned	32	3.90%
Boise, ID	Idaho Power Company	Investor Owned	33	4.01%
Austin, TX	Austin Energy	Municipal	34	4.05%
San Antonio, TX	CPS Energy	Municipal	35	4.10%
Toledo, OH	Toledo Edison - FirstEnergy Corp.	Investor Owned	36	4.13%
Fargo, ND	Northern States Power Company	Investor Owned	37	4.16%
Seattle, WA	Seattle City Light	Municipal	38	4.19%
Springfield, MO	City Utilities of Springfield	Municipal	39	4.32%
Madison, WI	Madison Gas & Electric Company	Investor Owned	40	4.40%
Indianapolis, IN	Indianapolis Power & Light Company	Investor Owned	41	4.56%
Minneapolis, MN	Xcel Energy (Northern States Power Co. - Minnesota)	Investor Owned	42	4.67%
Lexington, KY	Kentucky Utilities Company	Investor Owned	43	4.69%
Greenville, SC	Duke Energy	Investor Owned	44	4.73%
Wichita, KS	Eergy (Formerly Westar Energy Inc)	Investor Owned	45	4.75%
Albuquerque, NM	Public Service Company of New Mexico	Investor Owned	46	4.79%
Kansas City, KS	Kansas City Board of Public Utilities	Municipal	47	4.81%
Kansas City, MO	Eergy (Kansas City Power & Light Co.)	Investor Owned	48	4.90%
Richmond, VA	Dominion Virginia Power	Investor Owned	49	5.01%
Charleston, WV	AEP (Appalachian Power Rate Area)	Investor Owned	50	5.02%



Competitive Market Study: Appendix

Table 14: Commercial All-In Price Stability - Cities

City/State	Utility	Utility Type	Rank	Average Absolute Percent Change
Anaheim, CA	Anaheim Public Utilities	Municipal	51	5.03%
Lakeland, FL	Lakeland Electric Utility	Municipal	52	5.27%
Anchorage, AK	Chugach Electric Association Incorporated	Municipal	53	5.65%
Lansing, MI	Lansing Board of Water & Light	Municipal	54	5.92%
Farmingdale, NY	Long Island Power Authority	State	55	6.10%
Jacksonville, FL	JEA	Municipal	55	6.10%
Baltimore, MD	Baltimore Gas & Electric Company	Investor Owned	57	6.24%
Washington, DC	Potomac Electric Power Company	Investor Owned	58	6.27%
Lima, OH	AEP Ohio (Ohio Power Company)	Investor Owned	59	6.34%
Savannah, GA	Georgia Power	Investor Owned	60	6.44%
Odessa, TX	TXU Energy	Retail Power Marketer	61	6.48%
Midland, TX	TXU Energy	Retail Power Marketer	61	6.48%
Gainesville, FL	Gainesville Regional Utilities	Municipal	63	6.58%
Imperial, CA	Imperial Irrigation District - Energy	Political Subdivision	64	6.61%
Orlando, FL	Orlando Utilities Commission	Municipal	65	6.73%
Lafayette, LA	Lafayette Utilities System	Municipal	66	7.12%
Wilmington, DE	Delmarva Power	Investor Owned	67	7.17%
Cheyenne, WY	Cheyenne Light, Fuel & Power Company	Investor Owned	68	7.24%
Baton Rouge, LA	Entergy Louisiana, LLC	Investor Owned	69	7.67%
Allentown, PA	PPL Electric Utilities	Investor Owned	70	8.32%
Colorado Springs, CO	City of Colorado Springs	Municipal	71	8.60%
Oklahoma City, OK	Oklahoma Gas & Electric Company	Investor Owned	72	8.85%
Chicago, IL	Commonwealth Edison Company	Investor Owned	73	8.97%
Little Rock, AR	Entergy Arkansas, Inc.	Investor Owned	74	9.01%
Jackson, MS	Entergy Mississippi, Inc.	Investor Owned	75	9.58%
Pawtucket, RI	Narragansett Electric Company	Investor Owned	76	9.63%
Bridgeport, CT	United Illuminating Company	Investor Owned	77	9.65%
Tulsa, OK	Public Service Company of Oklahoma	Investor Owned	78	9.79%
Reno, NV	Sierra Pacific Power Company - NV Energy	Investor Owned	79	10.01%
Las Vegas, NV	Nevada Power Company - NV Energy	Investor Owned	80	10.37%
Honolulu, HI	Hawaiian Electric Company	Investor Owned	81	10.78%
Portland, ME	Central Maine Power Co	Investor Owned	82	12.48%
Boston, MA	Eversource (Formerly Boston Edison Company)	Investor Owned	83	12.62%
Springfield, MA	Eversource (Formerly Western Massachusetts Electric)	Investor Owned	83	12.62%
Cambridge, MA	Eversource (Formerly Cambridge Electric Company)	Investor Owned	83	12.62%
Manchester, NH	Public Service Company of New Hampshire	Investor Owned	86	12.68%
Dayton, OH	AES Ohio (formerly DP&L)	Investor Owned	87	12.75%

Note: Average price stability was calculated by determining the utilities' average absolute percent change between the years 2013-2023.
Data Source(s): 2013-2023 Form EIA-861 Annual Electric Power Industry Report, Sales to Ultimate Customers



Competitive Market Study: Appendix

Table 15: Industrial All-In Price Stability - Cities

City/State	Utility	Utility Type	Rank	Average Absolute Percent Change
High Point, NC	High Point Electric Utility Department	Municipal	1	1.16%
Burlington, VT	City of Burlington Electric	Municipal	2	1.50%
Turlock, CA	Turlock Irrigation District	Political Subdivision	3	1.66%
Lincoln, NE	Lincoln Electric System	Municipal	4	2.13%
Riverside, CA	Riverside Electric Utility	Municipal	5	2.51%
Milwaukee, WI	We Energies (formerly Wisconsin Electric)	Investor Owned	6	2.62%
Omaha, NE	Omaha Public Power District	Political Subdivision	7	2.98%
Greensboro, NC	Duke Energy	Investor Owned	8	3.05%
Evansville, IN	Southern Indiana Gas & Electric Company	Investor Owned	9	3.06%
Fort Collins, CO	Platte River Power Authority	Municipal	10	3.12%
Phoenix, AZ	Salt River Project	Political Subdivision	11	3.23%
Sioux Falls, SD	Northern States Power Company	Investor Owned	12	3.49%
Portland, OR	Portland General Electric Company	Investor Owned	13	3.53%
Sacramento, CA	Sacramento Municipal Util Dist	Political Subdivision	14	3.70%
Salt Lake City, UT	PacifiCorp	Investor Owned	15	3.76%
Denver, CO	Xcel Energy (Public Service Company of Colorado)	Investor Owned	16	4.04%
Charleston, WV	AEP (Appalachian Power Rate Area)	Investor Owned	17	4.06%
Lexington, KY	Kentucky Utilities Company	Investor Owned	18	4.14%
Nashville, TN	Nashville Electric Service	Municipal	18	4.14%
Minneapolis, MN	Xcel Energy (Northern States Power Co. - Minnesota)	Investor Owned	20	4.17%
Tacoma, WA	Tacoma Public Utilities	Municipal	21	4.19%
Seattle, WA	Seattle City Light	Municipal	22	4.29%
Des Moines, IA	MidAmerican Energy	Investor Owned	23	4.32%
Council Bluffs, IA	MidAmerican Energy	Investor Owned	23	4.32%
Sioux City, IA	MidAmerican Energy	Investor Owned	23	4.32%
Huntsville, AL	City of Huntsville	Municipal	26	4.39%
Indianapolis, IN	Indianapolis Power & Light Company	Investor Owned	27	4.41%
Wichita, KS	Eergy (Formerly Westar Energy Inc)	Investor Owned	28	4.52%
Springfield, MO	City Utilities of Springfield	Municipal	29	4.54%
San Antonio, TX	CPS Energy	Municipal	30	4.61%
Billings, MT	NorthWestern Energy (formerly Montana Power)	Investor Owned	31	4.66%
Boise, ID	Idaho Power Company	Investor Owned	32	4.76%
Lansing, MI	Lansing Board of Water & Light	Municipal	33	5.00%
Bowling Green, KY	Bowling Green Municipal Utilities	Municipal	34	5.19%
Kansas City, MO	Eergy (Kansas City Power & Light Co.)	Investor Owned	35	5.21%
Midland, TX	TXU Energy	Retail Power Marketer	36	5.24%
Odessa, TX	TXU Energy	Retail Power Marketer	36	5.24%
Austin, TX	Austin Energy	Municipal	38	5.28%
Auburn, AL	Alabama Power	Investor Owned	39	5.51%
Richmond, VA	Dominion Virginia Power	Investor Owned	40	6.13%
Kearney, NE	Nebraska Public Power District	Political Subdivision	41	6.19%
Kansas City, KS	Kansas City Board of Public Utilities	Municipal	42	6.20%
Madison, WI	Madison Gas & Electric Company	Investor Owned	43	6.21%
Albuquerque, NM	Public Service Company of New Mexico	Investor Owned	44	6.23%
Anchorage, AK	Chugach Electric Association Incorporated	Municipal	45	6.27%
Imperial, CA	Imperial Irrigation District - Energy	Political Subdivision	46	6.44%
Waco, TX	Reliant Energy	Retail Power Marketer	47	6.61%
Laredo, TX	Reliant Energy	Retail Power Marketer	47	6.61%
Fargo, ND	Northern States Power Company	Investor Owned	49	6.77%
Greenville, SC	Duke Energy	Investor Owned	50	7.05%



Competitive Market Study: Appendix

Table 15: Industrial All-In Price Stability - Cities

City/State	Utility	Utility Type	Rank	Average Absolute Percent Change
Anaheim, CA	Anaheim Public Utilities	Municipal	51	7.44%
Cheyenne, WY	Cheyenne Light, Fuel & Power Company	Investor Owned	52	7.85%
Colorado Springs, CO	City of Colorado Springs	Municipal	53	7.98%
Baltimore, MD	Baltimore Gas & Electric Company	Investor Owned	54	8.12%
Myrtle Beach, SC	Santee Cooper	State	55	9.09%
Little Rock, AR	Entergy Arkansas, Inc.	Investor Owned	56	9.51%
Gainesville, FL	Gainesville Regional Utilities	Municipal	57	9.60%
Jacksonville, FL	JEA	Municipal	58	9.64%
Lakeland, FL	Lakeland Electric Utility	Municipal	59	9.91%
Las Vegas, NV	Nevada Power Company - NV Energy	Investor Owned	60	11.22%
Pawtucket, RI	Narragansett Electric Company	Investor Owned	61	11.41%
Baton Rouge, LA	Entergy Louisiana, LLC	Investor Owned	62	11.55%
Jackson, MS	Entergy Mississippi, Inc.	Investor Owned	63	12.05%
Honolulu, HI	Hawaiian Electric Company	Investor Owned	64	12.73%
Oklahoma City, OK	Oklahoma Gas & Electric Company	Investor Owned	65	12.98%
Savannah, GA	Georgia Power	Investor Owned	66	13.26%
Springfield, MA	Eversource (Formerly Western Massachusetts Electric)	Investor Owned	67	14.26%
Boston, MA	Eversource (Formerly Boston Edison Company)	Investor Owned	67	14.26%
Cambridge, MA	Eversource (Formerly Cambridge Electric Company)	Investor Owned	67	14.26%
Reno, NV	Sierra Pacific Power Company - NV Energy	Investor Owned	70	14.45%
Tulsa, OK	Public Service Company of Oklahoma	Investor Owned	71	14.60%
Bridgeport, CT	United Illuminating Company	Investor Owned	72	15.76%
Portland, ME	Central Maine Power Co	Investor Owned	73	16.45%
Newark, NJ	Public Service Electric & Gas Company	Investor Owned	74	16.74%
Toledo, OH	Toledo Edison - FirstEnergy Corp.	Investor Owned	75	17.48%
Chicago, IL	Commonwealth Edison Company	Investor Owned	76	19.54%
Lima, OH	AEP Ohio (Ohio Power Company)	Investor Owned	77	22.91%
Wilmington, DE	Delmarva Power	Investor Owned	78	24.60%
Manchester, NH	Public Service Company of New Hampshire	Investor Owned	79	27.47%
Dayton, OH	AES Ohio (formerly DP&L)	Investor Owned	80	27.93%
Allentown, PA	PPL Electric Utilities	Investor Owned	81	30.26%

Note: Average price stability was calculated by determining the utilities' average relative percent change between the years 2013-2023. College Station Utilities, Lafayette Utilities System, Orlando Utilities Commission, City of Tallahassee Electric Utility, Long Island Power Authority, and Potomac Electric Power Company are not included in the rankings as they don't report industrial revenue.

Data Source(s): 2013-2023 Form EIA-861 Annual Electric Power Industry Report, Sales to Ultimate Customers



Table 16: All Retail Sectors All-In Price Stability - Cities

City/State	Utility	Utility Type	Rank	Average Absolute Percent Change
Omaha, NE	Omaha Public Power District	Political Subdivision	1	1.13%
Turlock, CA	Turlock Irrigation District	Political Subdivision	2	1.33%
Phoenix, AZ	Salt River Project	Political Subdivision	3	1.55%
Lincoln, NE	Lincoln Electric System	Municipal	4	1.59%
College Station, TX	College Station Utilities	Municipal	5	1.66%
Riverside, CA	Riverside Electric Utility	Municipal	6	1.87%
Burlington, VT	City of Burlington Electric	Municipal	7	1.88%
High Point, NC	High Point Electric Utility Department	Municipal	8	2.08%
Salt Lake City, UT	PacifiCorp	Investor Owned	9	2.31%
Newark, NJ	Public Service Electric & Gas Company	Investor Owned	10	2.40%
Sioux Falls, SD	Northern States Power Company	Investor Owned	11	2.42%
Milwaukee, WI	We Energies (formerly Wisconsin Electric)	Investor Owned	12	2.52%
Des Moines, IA	MidAmerican Energy	Investor Owned	13	2.61%
Council Bluffs, IA	MidAmerican Energy	Investor Owned	13	2.61%
Sioux City, IA	MidAmerican Energy	Investor Owned	13	2.61%
Bowling Green, KY	Bowling Green Municipal Utilities	Municipal	16	2.66%
Greensboro, NC	Duke Energy	Investor Owned	17	2.73%
Nashville, TN	Nashville Electric Service	Municipal	18	2.79%
Sacramento, CA	Sacramento Municipal Util Dist	Political Subdivision	19	2.85%
Evansville, IN	Southern Indiana Gas & Electric Company	Investor Owned	20	2.86%
Huntsville, AL	City of Huntsville	Municipal	21	3.06%
Tallahassee, FL	City of Tallahassee Electric Utility	Municipal	22	3.09%
Richmond, VA	Dominion Virginia Power	Investor Owned	23	3.13%
Fort Collins, CO	Platte River Power Authority	Municipal	24	3.23%
Midland, TX	TXU Energy	Retail Power Marketer	25	3.26%
Odessa, TX	TXU Energy	Retail Power Marketer	25	3.26%
Portland, OR	Portland General Electric Company	Investor Owned	27	3.29%
Tacoma, WA	Tacoma Public Utilities	Municipal	28	3.55%
Denver, CO	Xcel Energy (Public Service Company of Colorado)	Investor Owned	29	3.56%
San Antonio, TX	CPS Energy	Municipal	30	3.59%
Boise, ID	Idaho Power Company	Investor Owned	31	3.61%
Billings, MT	NorthWestern Energy (formerly Montana Power)	Investor Owned	32	3.62%
Wilmington, DE	Delmarva Power	Investor Owned	33	3.90%
Indianapolis, IN	Indianapolis Power & Light Company	Investor Owned	34	4.03%
Minneapolis, MN	Xcel Energy (Northern States Power Co. - Minnesota)	Investor Owned	34	4.03%
Auburn, AL	Alabama Power	Investor Owned	36	4.05%
Springfield, MO	City Utilities of Springfield	Municipal	37	4.06%
Madison, WI	Madison Gas & Electric Company	Investor Owned	38	4.14%
Austin, TX	Austin Energy	Municipal	39	4.26%
Kearney, NE	Nebraska Public Power District	Political Subdivision	40	4.34%
Lexington, KY	Kentucky Utilities Company	Investor Owned	41	4.45%
Seattle, WA	Seattle City Light	Municipal	42	4.46%
Kansas City, MO	Evergy (Kansas City Power & Light Co.)	Investor Owned	43	4.51%
Jacksonville, FL	JEA	Municipal	44	4.52%
Albuquerque, NM	Public Service Company of New Mexico	Investor Owned	44	4.52%
Wichita, KS	Evergy (Formerly Westar Energy Inc)	Investor Owned	46	4.53%
Fargo, ND	Northern States Power Company	Investor Owned	47	4.68%
Kansas City, KS	Kansas City Board of Public Utilities	Municipal	48	4.87%
Cheyenne, WY	Cheyenne Light, Fuel & Power Company	Investor Owned	49	5.00%
Anaheim, CA	Anaheim Public Utilities	Municipal	50	5.04%



Competitive Market Study: Appendix

Table 16: All Retail Sectors All-In Price Stability - Cities

City/State	Utility	Utility Type	Rank	Average Absolute Percent Change
Washington, DC	Potomac Electric Power Company	Investor Owned	51	5.17%
Lansing, MI	Lansing Board of Water & Light	Municipal	52	5.21%
Waco, TX	Reliant Energy	Retail Power Marketer	53	5.23%
Laredo, TX	Reliant Energy	Retail Power Marketer	53	5.23%
Greenville, SC	Duke Energy	Investor Owned	55	5.29%
Charleston, WV	AEP (Appalachian Power Rate Area)	Investor Owned	56	5.54%
Farmingdale, NY	Long Island Power Authority	State	57	5.58%
Anchorage, AK	Chugach Electric Association Incorporated	Municipal	58	5.61%
Baltimore, MD	Baltimore Gas & Electric Company	Investor Owned	59	5.62%
Lakeland, FL	Lakeland Electric Utility	Municipal	60	5.71%
Myrtle Beach, SC	Santee Cooper	State	61	5.94%
Lima, OH	AEP Ohio (Ohio Power Company)	Investor Owned	62	6.11%
Little Rock, AR	Entergy Arkansas, Inc.	Investor Owned	63	6.23%
Orlando, FL	Orlando Utilities Commission	Municipal	64	6.34%
Savannah, GA	Georgia Power	Investor Owned	65	6.51%
Colorado Springs, CO	City of Colorado Springs	Municipal	66	6.62%
Imperial, CA	Imperial Irrigation District - Energy	Political Subdivision	67	6.65%
Gainesville, FL	Gainesville Regional Utilities	Municipal	68	6.93%
Lafayette, LA	Lafayette Utilities System	Municipal	69	7.14%
Allentown, PA	PPL Electric Utilities	Investor Owned	70	7.34%
Pawtucket, RI	Narragansett Electric Company	Investor Owned	71	7.53%
Chicago, IL	Commonwealth Edison Company	Investor Owned	72	7.54%
Baton Rouge, LA	Entergy Louisiana, LLC	Investor Owned	73	8.24%
Cambridge, MA	Eversource (Formerly Cambridge Electric Company)	Investor Owned	74	8.35%
Boston, MA	Eversource (Formerly Boston Edison Company)	Investor Owned	74	8.35%
Springfield, MA	Eversource (Formerly Western Massachusetts Electric)	Investor Owned	74	8.35%
Bridgeport, CT	United Illuminating Company	Investor Owned	77	8.62%
Oklahoma City, OK	Oklahoma Gas & Electric Company	Investor Owned	78	8.79%
Las Vegas, NV	Nevada Power Company - NV Energy	Investor Owned	79	9.07%
Manchester, NH	Public Service Company of New Hampshire	Investor Owned	80	9.38%
Jackson, MS	Entergy Mississippi, Inc.	Investor Owned	81	9.71%
Tulsa, OK	Public Service Company of Oklahoma	Investor Owned	82	9.73%
Portland, ME	Central Maine Power Co	Investor Owned	83	10.33%
Dayton, OH	AES Ohio (formerly DP&L)	Investor Owned	84	10.53%
Reno, NV	Sierra Pacific Power Company - NV Energy	Investor Owned	85	10.61%
Honolulu, HI	Hawaiian Electric Company	Investor Owned	86	11.37%
Toledo, OH	Toledo Edison - FirstEnergy Corp.	Investor Owned	87	11.57%

Note: Average price stability was calculated by determining the utilities' average absolute percent change between the years 2013-2023.

Data Source(s): 2013-2023 Form EIA-861 Annual Electric Power Industry Report, Sales to Ultimate Customers



Competitive Market Study: Appendix

Table 17: Residential All-In Price Stability Rank Changes - Cities

City	Utility	Current Year Rank	Prior Year Rank	Rank Change	Avg Abs Percent Change	Avg Abs Percent Δ PY	Percentage Points Change
Turlock, CA	Turlock Irrigation District	1	2	1	1.10%	0.90%	0.20%
College Station, TX	College Station Utilities	2	1	-1	1.49%	0.61%	0.88%
Phoenix, AZ	Salt River Project	3	3	0	1.54%	1.36%	0.18%
Omaha, NE	Omaha Public Power District	4	9	5	1.72%	1.99%	-0.27%
Lincoln, NE	Lincoln Electric System	5	4	-1	1.83%	1.46%	0.37%
Burlington, VT	City of Burlington Electric	5	6	1	1.83%	1.53%	0.30%
Riverside, CA	Riverside Electric Utility	5	8	3	1.83%	1.76%	0.07%
Salt Lake City, UT	PacifiCorp	8	15	7	2.13%	2.55%	-0.42%
High Point, NC	High Point Electric Utility Department	9	11	2	2.26%	2.35%	-0.09%
Kearney, NE	Nebraska Public Power District	10	10	0	2.30%	2.30%	0.00%
Myrtle Beach, SC	Santee Cooper	11	25	14	2.36%	2.86%	-0.50%
Newark, NJ	Public Service Electric & Gas Company	12	7	-5	2.44%	1.68%	0.76%
Evansville, IN	Southern Indiana Gas & Electric Company	13	18	5	2.48%	2.71%	-0.23%
Bowling Green, KY	Bowling Green Municipal Utilities	14	13	-1	2.59%	2.42%	0.17%
Sioux Falls, SD	Northern States Power Company	15	31	16	2.62%	3.09%	-0.47%
Council Bluffs, IA	MidAmerican Energy	16	19	3	2.67%	2.76%	-0.09%
Des Moines, IA	MidAmerican Energy	16	19	3	2.67%	2.76%	-0.09%
Sioux City, IA	MidAmerican Energy	16	19	3	2.67%	2.76%	-0.09%
Boise, ID	Idaho Power Company	19	29	10	2.70%	3.00%	-0.30%
Richmond, VA	Dominion Virginia Power	20	17	-3	2.76%	2.68%	0.08%
Greensboro, NC	Duke Energy	21	5	-16	2.79%	1.47%	1.32%
Tacoma, WA	Tacoma Public Utilities	22	28	6	2.88%	2.97%	-0.09%
Tallahassee, FL	City of Tallahassee Electric Utility	23	12	-11	2.93%	2.38%	0.55%
Huntsville, AL	City of Huntsville	24	26	2	2.97%	2.89%	0.08%
San Antonio, TX	CPS Energy	25	37	12	2.99%	3.57%	-0.58%
Nashville, TN	Nashville Electric Service	26	24	-2	3.02%	2.85%	0.17%
Sacramento, CA	Sacramento Municipal Util Dist	27	30	3	3.07%	3.06%	0.01%
Fort Collins, CO	Platte River Power Authority	28	22	-6	3.11%	2.77%	0.34%
Milwaukee, WI	We Energies (formerly Wisconsin Electric)	29	15	-14	3.12%	2.55%	0.57%
Minneapolis, MN	Xcel Energy (Northern States Power Co. - Minnesota)	30	45	15	3.61%	4.19%	-0.58%
Madison, WI	Madison Gas & Electric Company	31	33	2	3.62%	3.27%	0.35%
Denver, CO	Xcel Energy (Public Service Company of Colorado)	32	45	13	3.74%	4.19%	-0.45%
Springfield, MO	City Utilities of Springfield	33	40	7	3.87%	3.61%	0.26%
Billings, MT	NorthWestern Energy (formerly Montana Power)	33	14	-19	3.87%	2.54%	1.33%
Kansas City, KS	Kansas City Board of Public Utilities	35	34	-1	3.99%	3.50%	0.49%
Albuquerque, NM	Public Service Company of New Mexico	36	37	1	4.02%	3.57%	0.45%
Wilmington, DE	Delmarva Power	37	23	-14	4.04%	2.83%	1.21%
Auburn, AL	Alabama Power	38	44	6	4.11%	3.97%	0.14%
Portland, OR	Portland General Electric Company	39	32	-7	4.12%	3.23%	0.89%
Austin, TX	Austin Energy	40	52	12	4.32%	4.55%	-0.23%
Greenville, SC	Duke Energy	41	35	-6	4.34%	3.51%	0.83%
Kansas City, MO	Evergy (Kansas City Power & Light Co.)	42	50	8	4.37%	4.37%	0.00%
Indianapolis, IN	Indianapolis Power & Light Company	43	41	-2	4.38%	3.83%	0.55%
Washington, DC	Potomac Electric Power Company	44	27	-17	4.47%	2.91%	1.56%
Lexington, KY	Kentucky Utilities Company	45	63	18	4.50%	5.24%	-0.74%
Cheyenne, WY	Cheyenne Light, Fuel & Power Company	46	61	15	4.51%	5.04%	-0.53%
Anaheim, CA	Anaheim Public Utilities	47	64	17	4.52%	5.26%	-0.74%
Savannah, GA	Georgia Power	47	51	4	4.52%	4.50%	0.02%
Wichita, KS	Evergy (Formerly Westar Energy Inc)	49	48	-1	4.54%	4.23%	0.31%
Midland, TX	TXU Energy	50	42	-8	4.59%	3.96%	0.63%



Competitive Market Study: Appendix

Table 17: Residential All-In Price Stability Rank Changes - Cities

City	Utility	Current Year Rank	Prior Year Rank	Rank Change	Avg Abs Percent Change	Avg Abs Percent Δ PY	Percentage Points Change
Odessa, TX	TXU Energy	50	42	-8	4.59%	3.96%	0.63%
Fargo, ND	Northern States Power Company	52	58	6	4.60%	4.83%	-0.23%
Seattle, WA	Seattle City Light	53	54	1	4.61%	4.65%	-0.04%
Jacksonville, FL	JEA	54	45	-9	4.69%	4.19%	0.50%
Anchorage, AK	Chugach Electric Association Incorporated	55	65	10	4.99%	5.34%	-0.35%
Lakeland, FL	Lakeland Electric Utility	56	60	4	5.08%	5.01%	0.07%
Laredo, TX	Reliant Energy	57	56	-1	5.14%	4.77%	0.37%
Waco, TX	Reliant Energy	57	56	-1	5.14%	4.77%	0.37%
Toledo, OH	Toledo Edison - FirstEnergy Corp.	57	36	-21	5.14%	3.56%	1.58%
Farmingdale, NY	Long Island Power Authority	60	59	-1	5.27%	4.98%	0.29%
Colorado Springs, CO	City of Colorado Springs	61	55	-6	5.40%	4.70%	0.70%
Lansing, MI	Lansing Board of Water & Light	62	37	-25	5.61%	3.57%	2.04%
Little Rock, AR	Entergy Arkansas, Inc.	63	53	-10	5.62%	4.61%	1.01%
Baltimore, MD	Baltimore Gas & Electric Company	64	49	-15	6.00%	4.36%	1.64%
Chicago, IL	Commonwealth Edison Company	65	71	6	6.67%	6.52%	0.15%
Lima, OH	AEP Ohio (Ohio Power Company)	66	67	1	6.81%	5.60%	1.21%
Oklahoma City, OK	Oklahoma Gas & Electric Company	67	66	-1	6.82%	5.41%	1.41%
Imperial, CA	Imperial Irrigation District - Energy	68	73	5	6.93%	6.74%	0.19%
Gainesville, FL	Gainesville Regional Utilities	69	72	3	6.95%	6.73%	0.22%
Boston, MA	Eversource (Formerly Western Massachusetts Electric)	70	81	11	7.09%	7.58%	-0.49%
Cambridge, MA	Eversource (Formerly Cambridge Electric Company)	70	81	11	7.09%	7.58%	-0.49%
Springfield, MA	Eversource (Formerly Boston Edison Company)	70	81	11	7.09%	7.58%	-0.49%
Charleston, WV	AEP (Appalachian Power Rate Area)	73	74	1	7.16%	6.84%	0.32%
Allentown, PA	PPL Electric Utilities	74	69	-5	7.23%	6.11%	1.12%
Orlando, FL	Orlando Utilities Commission	75	75	0	7.27%	6.93%	0.34%
Baton Rouge, LA	Entergy Louisiana, LLC	76	85	9	7.29%	8.10%	-0.81%
Pawtucket, RI	Narragansett Electric Company	77	70	-7	7.54%	6.25%	1.29%
Lafayette, LA	Lafayette Utilities System	78	78	0	7.77%	7.15%	0.62%
Manchester, NH	Public Service Company of New Hampshire	79	80	1	7.99%	7.47%	0.52%
Tulsa, OK	Public Service Company of Oklahoma	80	79	-1	8.11%	7.42%	0.69%
Las Vegas, NV	Nevada Power Company - NV Energy	81	68	-13	8.21%	6.03%	2.18%
Reno, NV	Sierra Pacific Power Company - NV Energy	82	76	-6	8.95%	7.00%	1.95%
Portland, ME	Central Maine Power Co	83	77	-6	9.00%	7.04%	1.96%
Bridgeport, CT	United Illuminating Company	84	62	-22	9.04%	5.07%	3.97%
Jackson, MS	Entergy Mississippi, Inc.	85	86	1	9.06%	8.77%	0.29%
Honolulu, HI	Hawaiian Electric Company	86	87	1	10.42%	10.51%	-0.09%
Dayton, OH	AES Ohio (formerly DP&L)	87	84	-3	10.55%	7.71%	2.84%

Note: Average price was calculated by determining the utilities' average absolute percent change between the years 2013-2023.

Data Source(s): 2023 Form EIA-861 Annual Electric Power Industry Report, Sales to Ultimate Customers



Competitive Market Study: Appendix

Table 18: Commercial All-In Price Stability Rank Changes - Cities

City	Utility	Current Year Rank	Prior Year Rank	Rank Change	Avg Abs Percent Change	Avg Abs Percent Change PY	Percentage Points Change
Omaha, NE	Omaha Public Power District	1	1	0	1.26%	0.97%	0.29%
Riverside, CA	Riverside Electric Utility	2	2	0	1.47%	1.14%	0.33%
Lincoln, NE	Lincoln Electric System	3	3	0	1.50%	1.30%	0.20%
Phoenix, AZ	Salt River Project	4	3	-1	1.68%	1.30%	0.38%
Turlock, CA	Turlock Irrigation District	5	6	1	1.82%	1.57%	0.25%
Salt Lake City, UT	PacifiCorp	6	12	6	2.06%	2.41%	-0.35%
Kearney, NE	Nebraska Public Power District	7	13	6	2.17%	2.43%	-0.26%
College Station, TX	College Station Utilities	8	7	-1	2.31%	1.62%	0.69%
Burlington, VT	City of Burlington Electric	9	11	2	2.41%	2.19%	0.22%
Evansville, IN	Southern Indiana Gas & Electric Company	10	13	3	2.43%	2.43%	0.00%
Nashville, TN	Nashville Electric Service	11	23	12	2.47%	2.97%	-0.50%
Milwaukee, WI	We Energies (formerly Wisconsin Electric)	12	8	-4	2.53%	1.98%	0.55%
Council Bluffs, IA	MidAmerican Energy	12	16	4	2.53%	2.68%	-0.15%
Des Moines, IA	MidAmerican Energy	12	16	4	2.53%	2.68%	-0.15%
Sioux City, IA	MidAmerican Energy	12	16	4	2.53%	2.68%	-0.15%
Myrtle Beach, SC	Santee Cooper	16	21	5	2.54%	2.82%	-0.28%
Newark, NJ	Public Service Electric & Gas Company	17	9	-8	2.55%	2.07%	0.48%
Sioux Falls, SD	Northern States Power Company	18	32	14	2.59%	3.70%	-1.11%
Bowling Green, KY	Bowling Green Municipal Utilities	19	19	0	2.68%	2.75%	-0.07%
High Point, NC	High Point Electric Utility Department	19	20	1	2.68%	2.77%	-0.09%
Greensboro, NC	Duke Energy	21	5	-16	2.80%	1.52%	1.28%
Tacoma, WA	Tacoma Public Utilities	22	29	7	2.88%	3.49%	-0.61%
Huntsville, AL	City of Huntsville	23	26	3	3.17%	3.24%	-0.07%
Billings, MT	NorthWestern Energy (formerly Montana Power)	24	10	-14	3.41%	2.09%	1.32%
Portland, OR	Portland General Electric Company	25	15	-10	3.45%	2.61%	0.84%
Laredo, TX	Reliant Energy	26	24	-2	3.53%	3.14%	0.39%
Waco, TX	Reliant Energy	26	24	-2	3.53%	3.14%	0.39%
Sacramento, CA	Sacramento Municipal Util Dist	28	28	0	3.60%	3.42%	0.18%
Fort Collins, CO	Platte River Power Authority	29	31	2	3.61%	3.57%	0.04%
Tallahassee, FL	City of Tallahassee Electric Utility	29	22	-7	3.61%	2.93%	0.68%
Auburn, AL	Alabama Power	31	34	3	3.73%	3.75%	-0.02%
Denver, CO	Xcel Energy (Public Service Company of Colorado)	32	42	10	3.90%	4.39%	-0.49%
Boise, ID	Idaho Power Company	33	41	8	4.01%	4.38%	-0.37%
Austin, TX	Austin Energy	34	47	13	4.05%	4.54%	-0.49%
San Antonio, TX	CPS Energy	35	38	3	4.10%	4.21%	-0.11%
Toledo, OH	Toledo Edison - FirstEnergy Corp.	36	30	-6	4.13%	3.51%	0.62%
Fargo, ND	Northern States Power Company	37	45	8	4.16%	4.47%	-0.31%
Seattle, WA	Seattle City Light	38	39	1	4.19%	4.30%	-0.11%
Springfield, MO	City Utilities of Springfield	39	36	-3	4.32%	3.91%	0.41%
Madison, WI	Madison Gas & Electric Company	40	33	-7	4.40%	3.72%	0.68%
Indianapolis, IN	Indianapolis Power & Light Company	41	37	-4	4.56%	4.20%	0.36%
Minneapolis, MN	Xcel Energy (Northern States Power Co. - Minnesota)	42	60	18	4.67%	5.77%	-1.10%
Lexington, KY	Kentucky Utilities Company	43	52	9	4.69%	5.05%	-0.36%
Greenville, SC	Duke Energy	44	35	-9	4.73%	3.86%	0.87%
Wichita, KS	Evergy (Formerly Westar Energy Inc)	45	46	1	4.75%	4.48%	0.27%
Albuquerque, NM	Public Service Company of New Mexico	46	42	-4	4.79%	4.39%	0.40%
Kansas City, KS	Kansas City Board of Public Utilities	47	44	-3	4.81%	4.46%	0.35%
Kansas City, MO	Evergy (Kansas City Power & Light Co.)	48	53	5	4.90%	5.19%	-0.29%
Richmond, VA	Dominion Virginia Power	49	49	0	5.01%	4.69%	0.32%
Charleston, WV	AEP (Appalachian Power Rate Area)	50	48	-2	5.02%	4.63%	0.39%



Competitive Market Study: Appendix

Table 18: Commercial All-In Price Stability Rank Changes - Cities

City	Utility	Current Year Rank	Prior Year Rank	Rank Change	Avg Abs Percent Change	Avg Abs Percent Change PY	Percentage Points Change
Anaheim, CA	Anaheim Public Utilities	51	65	14	5.03%	6.33%	-1.30%
Lakeland, FL	Lakeland Electric Utility	52	51	-1	5.27%	4.98%	0.29%
Anchorage, AK	Chugach Electric Association Incorporated	53	58	5	5.65%	5.68%	-0.03%
Lansing, MI	Lansing Board of Water & Light	54	39	-15	5.92%	4.30%	1.62%
Farmingdale, NY	Long Island Power Authority	55	59	4	6.10%	5.73%	0.37%
Jacksonville, FL	JEA	55	55	0	6.10%	5.52%	0.58%
Baltimore, MD	Baltimore Gas & Electric Company	57	68	11	6.24%	6.94%	-0.70%
Washington, DC	Potomac Electric Power Company	58	27	-31	6.27%	3.29%	2.98%
Lima, OH	AEP Ohio (Ohio Power Company)	59	54	-5	6.34%	5.24%	1.10%
Savannah, GA	Georgia Power	60	57	-3	6.44%	5.65%	0.79%
Midland, TX	TXU Energy	61	61	0	6.48%	5.92%	0.56%
Odessa, TX	TXU Energy	61	61	0	6.48%	5.92%	0.56%
Gainesville, FL	Gainesville Regional Utilities	63	64	1	6.58%	6.27%	0.31%
Imperial, CA	Imperial Irrigation District - Energy	64	67	3	6.61%	6.72%	-0.11%
Orlando, FL	Orlando Utilities Commission	65	55	-10	6.73%	5.52%	1.21%
Lafayette, LA	Lafayette Utilities System	66	66	0	7.12%	6.61%	0.51%
Wilmington, DE	Delmarva Power	67	50	-17	7.17%	4.79%	2.38%
Cheyenne, WY	Cheyenne Light, Fuel & Power Company	68	63	-5	7.24%	6.00%	1.24%
Baton Rouge, LA	Entergy Louisiana, LLC	69	76	7	7.67%	8.32%	-0.65%
Allentown, PA	PPL Electric Utilities	70	72	2	8.32%	7.79%	0.53%
Colorado Springs, CO	City of Colorado Springs	71	71	0	8.60%	7.26%	1.34%
Oklahoma City, OK	Oklahoma Gas & Electric Company	72	70	-2	8.85%	7.07%	1.78%
Chicago, IL	Commonwealth Edison Company	73	77	4	8.97%	8.40%	0.57%
Little Rock, AR	Entergy Arkansas, Inc.	74	75	1	9.01%	8.11%	0.90%
Jackson, MS	Entergy Mississippi, Inc.	75	79	4	9.58%	9.45%	0.13%
Pawtucket, RI	Narragansett Electric Company	76	78	2	9.63%	8.71%	0.92%
Bridgeport, CT	United Illuminating Company	77	69	-8	9.65%	7.02%	2.63%
Tulsa, OK	Public Service Company of Oklahoma	78	80	2	9.79%	9.51%	0.28%
Reno, NV	Sierra Pacific Power Company - NV Energy	79	73	-6	10.01%	7.83%	2.18%
Las Vegas, NV	Nevada Power Company - NV Energy	80	74	-6	10.37%	7.93%	2.44%
Honolulu, HI	Hawaiian Electric Company	81	83	2	10.78%	10.73%	0.05%
Portland, ME	Central Maine Power Co	82	81	-1	12.48%	9.69%	2.79%
Boston, MA	Eversource (Formerly Boston Edison Company)	83	85	2	12.62%	12.24%	0.38%
Cambridge, MA	Eversource (Formerly Western Massachusetts Electric)	83	85	2	12.62%	12.24%	0.38%
Springfield, MA	Eversource (Formerly Cambridge Electric Company)	83	85	2	12.62%	12.24%	0.38%
Manchester, NH	Public Service Company of New Hampshire	86	84	-2	12.68%	11.59%	1.09%
Dayton, OH	AES Ohio (formerly DP&L)	87	82	-5	12.75%	10.12%	2.63%

Note: Average price was calculated by determining the utilities' average absolute percent change between the years 2013-2023.

Data Source(s): 2023 Form EIA-861 Annual Electric Power Industry Report, Sales to Ultimate Customers



Competitive Market Study: Appendix

Table 19: Industrial All-In Price Stability Rank Changes - Cities

City	Utility	Current Year Rank	Prior Year Rank	Rank Change	Avg Abs Percent Change	Avg Abs Percent Change PY	Percentage Points Change
High Point, NC	High Point Electric Utility Department	1	8	7	1.16%	2.40%	-1.24%
Burlington, VT	City of Burlington Electric	2	1	-1	1.50%	1.38%	0.12%
Turlock, CA	Turlock Irrigation District	3	1	-2	1.66%	1.38%	0.28%
Lincoln, NE	Lincoln Electric System	4	4	0	2.13%	2.26%	-0.13%
Riverside, CA	Riverside Electric Utility	5	4	-1	2.51%	2.26%	0.25%
Milwaukee, WI	We Energies (formerly Wisconsin Electric)	6	11	5	2.62%	2.99%	-0.37%
Omaha, NE	Omaha Public Power District	7	15	8	2.98%	3.87%	-0.89%
Greensboro, NC	Duke Energy	8	3	-5	3.05%	1.70%	1.35%
Evansville, IN	Southern Indiana Gas & Electric Company	9	9	0	3.06%	2.80%	0.26%
Fort Collins, CO	Platte River Power Authority	10	12	2	3.12%	3.11%	0.01%
Phoenix, AZ	Salt River Project	11	6	-5	3.23%	2.32%	0.91%
Sioux Falls, SD	Northern States Power Company	12	27	15	3.49%	4.61%	-1.12%
Portland, OR	Portland General Electric Company	13	7	-6	3.53%	2.39%	1.14%
Sacramento, CA	Sacramento Municipal Util Dist	14	10	-4	3.70%	2.93%	0.77%
Salt Lake City, UT	PacifiCorp	15	18	3	3.76%	4.16%	-0.40%
Denver, CO	Xcel Energy (Public Service Company of Colorado)	16	29	13	4.04%	4.82%	-0.78%
Charleston, WV	AEP (Appalachian Power Rate Area)	17	16	-1	4.06%	3.91%	0.15%
Lexington, KY	Kentucky Utilities Company	18	23	5	4.14%	4.46%	-0.32%
Nashville, TN	Nashville Electric Service	18	40	22	4.14%	5.73%	-1.59%
Minneapolis, MN	Xcel Energy (Northern States Power Co. - Minnesota)	20	36	16	4.17%	5.34%	-1.17%
Tacoma, WA	Tacoma Public Utilities	21	13	-8	4.19%	3.40%	0.79%
Seattle, WA	Seattle City Light	22	17	-5	4.29%	3.98%	0.31%
Council Bluffs, IA	MidAmerican Energy	23	24	1	4.32%	4.55%	-0.23%
Des Moines, IA	MidAmerican Energy	23	24	1	4.32%	4.55%	-0.23%
Sioux City, IA	MidAmerican Energy	23	24	1	4.32%	4.55%	-0.23%
Huntsville, AL	City of Huntsville	26	32	6	4.39%	5.20%	-0.81%
Indianapolis, IN	Indianapolis Power & Light Company	27	21	-6	4.41%	4.22%	0.19%
Wichita, KS	Evergy (Formerly Westar Energy Inc)	28	19	-9	4.52%	4.18%	0.34%
Springfield, MO	City Utilities of Springfield	29	20	-9	4.54%	4.19%	0.35%
San Antonio, TX	CPS Energy	30	30	0	4.61%	4.84%	-0.23%
Billings, MT	NorthWestern Energy (formerly Montana Power)	31	14	-17	4.66%	3.67%	0.99%
Boise, ID	Idaho Power Company	32	31	-1	4.76%	5.07%	-0.31%
Lansing, MI	Lansing Board of Water & Light	33	22	-11	5.00%	4.29%	0.71%
Bowling Green, KY	Bowling Green Municipal Utilities	34	46	12	5.19%	6.22%	-1.03%
Kansas City, MO	Evergy (Kansas City Power & Light Co.)	35	36	1	5.21%	5.34%	-0.13%
Midland, TX	TXU Energy	36	33	-3	5.24%	5.23%	0.01%
Odessa, TX	TXU Energy	36	33	-3	5.24%	5.23%	0.01%
Austin, TX	Austin Energy	38	47	9	5.28%	6.33%	-1.05%
Auburn, AL	Alabama Power	39	28	-11	5.51%	4.78%	0.73%
Richmond, VA	Dominion Virginia Power	40	39	-1	6.13%	5.51%	0.62%
Kearney, NE	Nebraska Public Power District	41	38	-3	6.19%	5.42%	0.77%
Kansas City, KS	Kansas City Board of Public Utilities	42	42	0	6.20%	5.84%	0.36%
Madison, WI	Madison Gas & Electric Company	43	41	-2	6.21%	5.74%	0.47%
Albuquerque, NM	Public Service Company of New Mexico	44	48	4	6.23%	6.61%	-0.38%
Anchorage, AK	Chugach Electric Association Incorporated	45	43	-2	6.27%	5.87%	0.40%
Imperial, CA	Imperial Irrigation District - Energy	46	35	-11	6.44%	5.30%	1.14%
Laredo, TX	Reliant Energy	47	49	2	6.61%	7.08%	-0.47%
Waco, TX	Reliant Energy	47	49	2	6.61%	7.08%	-0.47%
Fargo, ND	Northern States Power Company	49	51	2	6.77%	7.10%	-0.33%
Greenville, SC	Duke Energy	50	44	-6	7.05%	6.01%	1.04%



Competitive Market Study: Appendix

Table 19: Industrial All-In Price Stability Rank Changes - Cities

City	Utility	Current Year Rank	Prior Year Rank	Rank Change	Avg Abs Percent Change	Avg Abs Percent Change PY	Percentage Points Change
Anaheim, CA	Anaheim Public Utilities	51	55	4	7.44%	8.35%	-0.91%
Cheyenne, WY	Cheyenne Light, Fuel & Power Company	52	45	-7	7.85%	6.13%	1.72%
Colorado Springs, CO	City of Colorado Springs	53	53	0	7.98%	7.49%	0.49%
Baltimore, MD	Baltimore Gas & Electric Company	54	56	2	8.12%	8.48%	-0.36%
Myrtle Beach, SC	Santee Cooper	55	52	-3	9.09%	7.12%	1.97%
Little Rock, AR	Entergy Arkansas, Inc.	56	58	2	9.51%	8.96%	0.55%
Gainesville, FL	Gainesville Regional Utilities	57	60	3	9.60%	9.44%	0.16%
Jacksonville, FL	JEA	58	59	1	9.64%	9.08%	0.56%
Lakeland, FL	Lakeland Electric Utility	59	54	-5	9.91%	7.83%	2.08%
Las Vegas, NV	Nevada Power Company - NV Energy	60	57	-3	11.22%	8.75%	2.47%
Pawtucket, RI	Narragansett Electric Company	61	62	1	11.41%	10.56%	0.85%
Baton Rouge, LA	Entergy Louisiana, LLC	62	66	4	11.55%	12.06%	-0.51%
Jackson, MS	Entergy Mississippi, Inc.	63	65	2	12.05%	11.82%	0.23%
Honolulu, HI	Hawaiian Electric Company	64	67	3	12.73%	12.68%	0.05%
Oklahoma City, OK	Oklahoma Gas & Electric Company	65	64	-1	12.98%	10.89%	2.09%
Savannah, GA	Georgia Power	66	63	-3	13.26%	10.85%	2.41%
Boston, MA	Eversource (Formerly Western Massachusetts Electric)	67	74	7	14.26%	19.35%	-5.09%
Cambridge, MA	Eversource (Formerly Boston Edison Company)	67	74	7	14.26%	19.35%	-5.09%
Springfield, MA	Eversource (Formerly Cambridge Electric Company)	67	74	7	14.26%	19.35%	-5.09%
Reno, NV	Sierra Pacific Power Company - NV Energy	70	61	-9	14.45%	10.53%	3.92%
Tulsa, OK	Public Service Company of Oklahoma	71	69	-2	14.60%	13.98%	0.62%
Bridgeport, CT	United Illuminating Company	72	68	-4	15.76%	12.78%	2.98%
Portland, ME	Central Maine Power Co	73	70	-3	16.45%	14.88%	1.57%
Newark, NJ	Public Service Electric & Gas Company	74	73	-1	16.74%	17.66%	-0.92%
Toledo, OH	Toledo Edison - FirstEnergy Corp.	75	71	-4	17.48%	15.87%	1.61%
Chicago, IL	Commonwealth Edison Company	76	72	-4	19.54%	16.00%	3.54%
Lima, OH	AEP Ohio (Ohio Power Company)	77	77	0	22.91%	20.35%	2.56%
Wilmington, DE	Delmarva Power	78	81	3	24.60%	34.35%	-9.75%
Manchester, NH	Public Service Company of New Hampshire	79	79	0	27.47%	27.89%	-0.42%
Dayton, OH	AES Ohio (formerly DP&L)	80	78	-2	27.93%	25.45%	2.48%
Allentown, PA	PPL Electric Utilities	81	80	-1	30.26%	31.13%	-0.87%

Note: Average price was calculated by determining the utilities' average absolute percent change between the years 2013-2023. College Station Utilities, Lafayette Utilities System, Orlando Utilities Commission, City of Tallahassee Electric Utility, Long Island Power Authority, and Potomac Electric Power Company are not included in the rankings as they don't report industrial revenue.

Data Source(s): 2023 Form EIA-861 Annual Electric Power Industry Report, Sales to Ultimate Customers



Table 20: All Retail Sectors All-In Price Stability Rank Changes - Cities

City	Utility	Current Year Rank	Prior Year Rank	Rank Change	Avg Abs Percent Change	Avg Abs Percent Change PY	Percentage Points Change
Omaha, NE	Omaha Public Power District	1	6	5	1.13%	1.61%	-0.48%
Turlock, CA	Turlock Irrigation District	2	2	0	1.33%	1.09%	0.24%
Phoenix, AZ	Salt River Project	3	3	0	1.55%	1.22%	0.33%
Lincoln, NE	Lincoln Electric System	4	4	0	1.59%	1.38%	0.21%
College Station, TX	College Station Utilities	5	1	-4	1.66%	0.88%	0.78%
Riverside, CA	Riverside Electric Utility	6	8	2	1.87%	1.69%	0.18%
Burlington, VT	City of Burlington Electric	7	7	0	1.88%	1.67%	0.21%
High Point, NC	High Point Electric Utility Department	8	12	4	2.08%	2.21%	-0.13%
Salt Lake City, UT	PacifiCorp	9	21	12	2.31%	2.69%	-0.38%
Newark, NJ	Public Service Electric & Gas Company	10	9	-1	2.40%	1.81%	0.59%
Sioux Falls, SD	Northern States Power Company	11	31	20	2.42%	3.37%	-0.95%
Milwaukee, WI	We Energies (formerly Wisconsin Electric)	12	11	-1	2.52%	2.16%	0.36%
Council Bluffs, IA	MidAmerican Energy	13	18	5	2.61%	2.68%	-0.07%
Des Moines, IA	MidAmerican Energy	13	18	5	2.61%	2.68%	-0.07%
Sioux City, IA	MidAmerican Energy	13	18	5	2.61%	2.68%	-0.07%
Bowling Green, KY	Bowling Green Municipal Utilities	16	15	-1	2.66%	2.49%	0.17%
Greensboro, NC	Duke Energy	17	5	-12	2.73%	1.40%	1.33%
Nashville, TN	Nashville Electric Service	18	22	4	2.79%	2.78%	0.01%
Sacramento, CA	Sacramento Municipal Util Dist	19	17	-2	2.85%	2.57%	0.28%
Evansville, IN	Southern Indiana Gas & Electric Company	20	23	3	2.86%	2.94%	-0.08%
Huntsville, AL	City of Huntsville	21	24	3	3.06%	2.97%	0.09%
Tallahassee, FL	City of Tallahassee Electric Utility	22	16	-6	3.09%	2.53%	0.56%
Richmond, VA	Dominion Virginia Power	23	27	4	3.13%	3.16%	-0.03%
Fort Collins, CO	Platte River Power Authority	24	26	2	3.23%	3.12%	0.11%
Midland, TX	TXU Energy	25	29	4	3.26%	3.33%	-0.07%
Odessa, TX	TXU Energy	25	29	4	3.26%	3.33%	-0.07%
Portland, OR	Portland General Electric Company	27	14	-13	3.29%	2.40%	0.89%
Tacoma, WA	Tacoma Public Utilities	28	28	0	3.55%	3.29%	0.26%
Denver, CO	Xcel Energy (Public Service Company of Colorado)	29	39	10	3.56%	4.14%	-0.58%
San Antonio, TX	CPS Energy	30	35	5	3.59%	3.92%	-0.33%
Boise, ID	Idaho Power Company	31	36	5	3.61%	3.99%	-0.38%
Billings, MT	NorthWestern Energy (formerly Montana Power)	32	13	-19	3.62%	2.31%	1.31%
Wilmington, DE	Delmarva Power	33	10	-23	3.90%	2.14%	1.76%
Indianapolis, IN	Indianapolis Power & Light Company	34	33	-1	4.03%	3.67%	0.36%
Minneapolis, MN	Xcel Energy (Northern States Power Co. - Minnesota)	34	53	19	4.03%	4.97%	-0.94%
Auburn, AL	Alabama Power	36	38	2	4.05%	4.04%	0.01%
Springfield, MO	City Utilities of Springfield	37	34	-3	4.06%	3.74%	0.32%
Madison, WI	Madison Gas & Electric Company	38	32	-6	4.14%	3.58%	0.56%
Austin, TX	Austin Energy	39	48	9	4.26%	4.67%	-0.41%
Kearney, NE	Nebraska Public Power District	40	40	0	4.34%	4.15%	0.19%
Lexington, KY	Kentucky Utilities Company	41	51	10	4.45%	4.88%	-0.43%
Seattle, WA	Seattle City Light	42	46	4	4.46%	4.48%	-0.02%
Kansas City, MO	Evergy (Kansas City Power & Light Co.)	43	49	6	4.51%	4.70%	-0.19%
Jacksonville, FL	JEA	44	37	-7	4.52%	4.00%	0.52%
Albuquerque, NM	Public Service Company of New Mexico	44	43	-1	4.52%	4.24%	0.28%
Wichita, KS	Evergy (Formerly Westar Energy Inc)	46	42	-4	4.53%	4.21%	0.32%
Fargo, ND	Northern States Power Company	47	54	7	4.68%	5.00%	-0.32%
Kansas City, KS	Kansas City Board of Public Utilities	48	44	-4	4.87%	4.35%	0.52%
Cheyenne, WY	Cheyenne Light, Fuel & Power Company	49	56	7	5.00%	5.22%	-0.22%
Anaheim, CA	Anaheim Public Utilities	50	67	17	5.04%	6.03%	-0.99%



Competitive Market Study: Appendix

Table 20: All Retail Sectors All-In Price Stability Rank Changes - Cities

City	Utility	Current Year Rank	Prior Year Rank	Rank Change	Avg Abs Percent Change	Avg Abs Percent Change PY	Percentage Points Change
Washington, DC	Potomac Electric Power Company	51	24	-27	5.17%	2.97%	2.20%
Lansing, MI	Lansing Board of Water & Light	52	41	-11	5.21%	4.19%	1.02%
Laredo, TX	Reliant Energy	53	59	6	5.23%	5.34%	-0.11%
Waco, TX	Reliant Energy	53	59	6	5.23%	5.34%	-0.11%
Greenville, SC	Duke Energy	55	45	-10	5.29%	4.38%	0.91%
Charleston, WV	AEP (Appalachian Power Rate Area)	56	58	2	5.54%	5.28%	0.26%
Farmingdale, NY	Long Island Power Authority	57	57	0	5.58%	5.25%	0.33%
Anchorage, AK	Chugach Electric Association Incorporated	58	65	7	5.61%	5.77%	-0.16%
Baltimore, MD	Baltimore Gas & Electric Company	59	47	-12	5.62%	4.61%	1.01%
Lakeland, FL	Lakeland Electric Utility	60	61	1	5.71%	5.38%	0.33%
Myrtle Beach, SC	Santee Cooper	61	55	-6	5.94%	5.19%	0.75%
Lima, OH	AEP Ohio (Ohio Power Company)	62	50	-12	6.11%	4.75%	1.36%
Little Rock, AR	Entergy Arkansas, Inc.	63	63	0	6.23%	5.54%	0.69%
Orlando, FL	Orlando Utilities Commission	64	62	-2	6.34%	5.52%	0.82%
Savannah, GA	Georgia Power	65	64	-1	6.51%	5.67%	0.84%
Colorado Springs, CO	City of Colorado Springs	66	66	0	6.62%	5.89%	0.73%
Imperial, CA	Imperial Irrigation District - Energy	67	70	3	6.65%	6.58%	0.07%
Gainesville, FL	Gainesville Regional Utilities	68	72	4	6.93%	6.71%	0.22%
Lafayette, LA	Lafayette Utilities System	69	71	2	7.14%	6.59%	0.55%
Allentown, PA	PPL Electric Utilities	70	69	-1	7.34%	6.32%	1.02%
Pawtucket, RI	Narragansett Electric Company	71	68	-3	7.53%	6.22%	1.31%
Chicago, IL	Commonwealth Edison Company	72	76	4	7.54%	7.60%	-0.06%
Baton Rouge, LA	Entergy Louisiana, LLC	73	81	8	8.24%	8.87%	-0.63%
Boston, MA	Eversource (Formerly Cambridge Electric Company)	74	82	8	8.35%	9.11%	-0.76%
Cambridge, MA	Eversource (Formerly Boston Edison Company)	74	82	8	8.35%	9.11%	-0.76%
Springfield, MA	Eversource (Formerly Western Massachusetts Electric)	74	82	8	8.35%	9.11%	-0.76%
Bridgeport, CT	United Illuminating Company	77	52	-25	8.62%	4.89%	3.73%
Oklahoma City, OK	Oklahoma Gas & Electric Company	78	74	-4	8.79%	7.04%	1.75%
Las Vegas, NV	Nevada Power Company - NV Energy	79	73	-6	9.07%	6.86%	2.21%
Manchester, NH	Public Service Company of New Hampshire	80	79	-1	9.38%	8.81%	0.57%
Jackson, MS	Entergy Mississippi, Inc.	81	86	5	9.71%	9.53%	0.18%
Tulsa, OK	Public Service Company of Oklahoma	82	85	3	9.73%	9.24%	0.49%
Portland, ME	Central Maine Power Co	83	78	-5	10.33%	8.13%	2.20%
Dayton, OH	AES Ohio (formerly DP&L)	84	75	-9	10.53%	7.53%	3.00%
Reno, NV	Sierra Pacific Power Company - NV Energy	85	77	-8	10.61%	8.09%	2.52%
Honolulu, HI	Hawaiian Electric Company	86	87	1	11.37%	11.37%	0.00%
Toledo, OH	Toledo Edison - FirstEnergy Corp.	87	80	-7	11.57%	8.84%	2.73%

Note: Average price was calculated by determining the utilities' average absolute percent change between the years 2013-2023.

Data Source(s): 2023 Form EIA-861 Annual Electric Power Industry Report, Sales to Ultimate Customers



Competitive Market Study: Appendix

Table 21: Residential All-In Price Stability - States			
State	Electric Market	Rank	Average Absolute Percent Change
Nebraska	Non Retail Choice	1	1.41%
New Jersey	Retail Choice	2	1.72%
Wyoming	Non Retail Choice	3	1.85%
Utah	Non Retail Choice	4	1.94%
North Dakota	Non Retail Choice	5	2.00%
Iowa	Non Retail Choice	6	2.04%
Colorado	Non Retail Choice	7	2.07%
Idaho	Non Retail Choice	8	2.25%
Montana	Retail Choice	9	2.34%
Minnesota	Non Retail Choice	10	2.41%
South Dakota	Non Retail Choice	11	2.45%
Tennessee	Non Retail Choice	11	2.45%
North Carolina	Non Retail Choice	13	2.50%
Washington	Non Retail Choice	14	2.55%
South Carolina	Non Retail Choice	15	2.57%
Missouri	Non Retail Choice	16	2.62%
Oregon	Non Retail Choice	16	2.62%
Arizona	Non Retail Choice	18	2.63%
Wisconsin	Non Retail Choice	19	2.79%
Michigan	Retail Choice	20	2.86%
Georgia	Non Retail Choice	21	2.99%
Virginia	Non Retail Choice	22	3.03%
New Mexico	Non Retail Choice	23	3.04%
Vermont	Non Retail Choice	24	3.09%
Alaska	Non Retail Choice	25	3.15%
Indiana	Non Retail Choice	26	3.19%
Alabama	Non Retail Choice	27	3.29%
Kansas	Non Retail Choice	28	3.30%
Delaware	Retail Choice	29	3.52%
Kentucky	Non Retail Choice	30	3.55%
Ohio	Retail Choice	31	3.64%
Arkansas	Non Retail Choice	32	3.65%
Mississippi	Non Retail Choice	33	3.83%
Oklahoma	Non Retail Choice	34	3.89%
Texas	Retail Choice	35	4.14%
Maryland	Retail Choice	36	4.19%
Illinois	Retail Choice	37	4.44%
Pennsylvania	Retail Choice	38	4.61%
District of Columbia	Retail Choice	39	4.64%
New York	Retail Choice	40	5.06%
West Virginia	Non Retail Choice	41	5.24%
Louisiana	Non Retail Choice	42	5.54%
Florida	Non Retail Choice	43	5.64%
California	Retail Choice	44	6.29%
New Hampshire	Retail Choice	45	7.05%
Rhode Island	Retail Choice	46	7.14%
Connecticut	Retail Choice	47	7.31%
Massachusetts	Retail Choice	48	7.46%
Nevada	Non Retail Choice	49	7.60%
Maine	Retail Choice	50	8.39%
Hawaii	Non Retail Choice	51	9.23%

Data Source(s): 2013-2023 EIA Electric Sales, Revenue, and Average Price, Table 5A; 2013-2023 Form EIA-861 Annual Electric Power Industry Report, Sales to Ultimate Customers; APPA Retail Electric Rates in Deregulated and Regulated States, 2023 Update



Competitive Market Study: Appendix

Table 22: Commercial All-In Price Stability - States			
State	Electric Market	Rank	Average Absolute Percent Change
Nebraska	Non Retail Choice	1	0.67%
Oregon	Non Retail Choice	2	1.62%
Utah	Non Retail Choice	3	1.80%
South Dakota	Non Retail Choice	4	2.20%
Wyoming	Non Retail Choice	5	2.26%
Wisconsin	Non Retail Choice	6	2.39%
Washington	Non Retail Choice	7	2.46%
New Jersey	Retail Choice	8	2.47%
North Carolina	Non Retail Choice	9	2.50%
Iowa	Non Retail Choice	10	2.55%
Missouri	Non Retail Choice	11	2.61%
Idaho	Non Retail Choice	12	2.72%
Montana	Retail Choice	13	2.73%
Tennessee	Non Retail Choice	14	2.78%
Ohio	Retail Choice	15	2.79%
South Carolina	Non Retail Choice	16	2.84%
Arizona	Non Retail Choice	17	2.88%
Michigan	Retail Choice	18	2.90%
Alabama	Non Retail Choice	19	2.95%
Colorado	Non Retail Choice	20	2.96%
Kansas	Non Retail Choice	21	3.13%
Texas	Retail Choice	22	3.22%
North Dakota	Non Retail Choice	23	3.36%
New Mexico	Non Retail Choice	24	3.58%
Alaska	Non Retail Choice	24	3.58%
Indiana	Non Retail Choice	26	3.61%
Kentucky	Non Retail Choice	27	3.89%
Connecticut	Retail Choice	27	3.89%
Minnesota	Non Retail Choice	29	3.96%
Illinois	Retail Choice	30	4.20%
Delaware	Retail Choice	31	4.30%
West Virginia	Non Retail Choice	32	4.44%
Mississippi	Non Retail Choice	33	4.68%
Maryland	Retail Choice	34	4.77%
Georgia	Non Retail Choice	35	4.85%
Pennsylvania	Retail Choice	36	4.87%
Massachusetts	Retail Choice	37	4.94%
New York	Retail Choice	38	5.06%
Arkansas	Non Retail Choice	39	5.13%
Virginia	Non Retail Choice	40	5.24%
Vermont	Non Retail Choice	41	5.31%
District of Columbia	Retail Choice	42	5.33%
New Hampshire	Retail Choice	43	5.71%
Rhode Island	Retail Choice	44	5.82%
Louisiana	Non Retail Choice	45	5.84%
Oklahoma	Non Retail Choice	46	5.85%
Florida	Non Retail Choice	47	5.92%
Maine	Retail Choice	48	5.94%
California	Retail Choice	49	6.29%
Nevada	Non Retail Choice	50	8.82%
Hawaii	Non Retail Choice	51	9.73%

Data Source(s): 2013-2023 EIA Electric Sales, Revenue, and Average Price, Table 5A; 2013-2023 Form EIA-861 Annual Electric Power Industry Report, Sales to Ultimate Customers; APPA Retail Electric Rates in Deregulated and Regulated States, 2023 Update



Competitive Market Study: Appendix

Table 23: Industrial All-In Price Stability - States			
State	Electric Market	Rank	Average Absolute Percent Change
Nebraska	Non Retail Choice	1	1.68%
South Dakota	Non Retail Choice	2	1.70%
Wyoming	Non Retail Choice	3	1.74%
Wisconsin	Non Retail Choice	4	2.43%
Colorado	Non Retail Choice	5	2.45%
North Carolina	Non Retail Choice	6	2.70%
Vermont	Non Retail Choice	7	2.71%
Iowa	Non Retail Choice	8	3.07%
Utah	Non Retail Choice	9	3.46%
Michigan	Retail Choice	10	3.53%
North Dakota	Non Retail Choice	11	3.56%
Idaho	Non Retail Choice	12	3.61%
Kansas	Non Retail Choice	13	3.66%
Missouri	Non Retail Choice	14	3.73%
Minnesota	Non Retail Choice	15	3.74%
Oregon	Non Retail Choice	16	3.97%
South Carolina	Non Retail Choice	17	4.00%
Washington	Non Retail Choice	18	4.20%
New Jersey	Retail Choice	19	4.36%
New Hampshire	Retail Choice	20	4.50%
Massachusetts	Retail Choice	21	4.63%
West Virginia	Non Retail Choice	22	4.76%
Mississippi	Non Retail Choice	23	4.83%
Alaska	Non Retail Choice	24	4.92%
Alabama	Non Retail Choice	25	4.98%
Indiana	Non Retail Choice	26	5.05%
Tennessee	Non Retail Choice	27	5.19%
Maine	Retail Choice	28	5.31%
Rhode Island	Retail Choice	29	5.33%
Ohio	Retail Choice	30	5.36%
Florida	Non Retail Choice	31	5.40%
Arizona	Non Retail Choice	32	5.51%
Arkansas	Non Retail Choice	33	5.68%
Maryland	Retail Choice	34	6.16%
New York	Retail Choice	35	6.23%
California	Retail Choice	36	6.27%
Kentucky	Non Retail Choice	37	6.30%
Virginia	Non Retail Choice	38	6.32%
Illinois	Retail Choice	39	6.33%
New Mexico	Non Retail Choice	40	6.36%
Pennsylvania	Retail Choice	41	6.38%
Montana	Retail Choice	42	6.89%
Delaware	Retail Choice	43	6.96%
Texas	Retail Choice	44	7.40%
Georgia	Non Retail Choice	45	9.66%
Oklahoma	Non Retail Choice	46	10.06%
Connecticut	Retail Choice	47	10.32%
Louisiana	Non Retail Choice	48	10.88%
District of Columbia	Retail Choice	49	11.11%
Nevada	Non Retail Choice	50	11.22%
Hawaii	Non Retail Choice	51	11.63%

Data Source(s): 2013-2023 EIA Electric Sales, Revenue, and Average Price, Table 5A; 2013-2023 Form EIA-861 Annual Electric Power Industry Report, Sales to Ultimate Customers; APPA Retail Electric Rates in Deregulated and Regulated States, 2023 Update



Competitive Market Study: Appendix

Table 24: All Retail Sectors All-In Price Stability - States			
State	Electric Market	Rank	Average Absolute Percent Change
Nebraska	Non Retail Choice	1	1.14%
Wyoming	Non Retail Choice	2	1.61%
South Dakota	Non Retail Choice	3	1.90%
Iowa	Non Retail Choice	4	2.14%
Vermont	Non Retail Choice	5	2.15%
New Jersey	Retail Choice	6	2.16%
Oregon	Non Retail Choice	7	2.22%
Colorado	Non Retail Choice	8	2.24%
Utah	Non Retail Choice	9	2.25%
Wisconsin	Non Retail Choice	10	2.40%
North Carolina	Non Retail Choice	11	2.50%
North Dakota	Non Retail Choice	12	2.51%
Arizona	Non Retail Choice	13	2.69%
Missouri	Non Retail Choice	14	2.70%
Tennessee	Non Retail Choice	15	2.74%
Minnesota	Non Retail Choice	16	2.75%
Idaho	Non Retail Choice	17	2.78%
South Carolina	Non Retail Choice	18	2.79%
Montana	Retail Choice	19	2.84%
Michigan	Retail Choice	20	2.86%
Washington	Non Retail Choice	21	3.06%
Alaska	Non Retail Choice	22	3.07%
Alabama	Non Retail Choice	23	3.12%
Kansas	Non Retail Choice	24	3.18%
Ohio	Retail Choice	25	3.19%
Virginia	Non Retail Choice	26	3.30%
Indiana	Non Retail Choice	27	3.34%
Delaware	Retail Choice	28	3.58%
Texas	Retail Choice	29	3.65%
New Mexico	Non Retail Choice	30	3.82%
Arkansas	Non Retail Choice	31	3.90%
Pennsylvania	Retail Choice	32	3.92%
Kentucky	Non Retail Choice	33	4.01%
Maryland	Retail Choice	34	4.08%
Illinois	Retail Choice	35	4.21%
Mississippi	Non Retail Choice	36	4.25%
Georgia	Non Retail Choice	37	4.36%
West Virginia	Non Retail Choice	38	4.56%
New York	Retail Choice	39	4.89%
District of Columbia	Retail Choice	40	4.91%
Florida	Non Retail Choice	41	5.59%
Oklahoma	Non Retail Choice	42	5.75%
Rhode Island	Retail Choice	43	5.78%
Massachusetts	Retail Choice	43	5.78%
California	Retail Choice	45	6.04%
Connecticut	Retail Choice	46	6.06%
New Hampshire	Retail Choice	47	6.10%
Louisiana	Non Retail Choice	48	6.65%
Maine	Retail Choice	49	6.83%
Nevada	Non Retail Choice	50	8.36%
Hawaii	Non Retail Choice	51	10.18%

Data Source(s): 2013-2023 EIA Electric Sales, Revenue, and Average Price, Table 5A; 2013-2023 Form EIA-861 Annual Electric Power Industry Report, Sales to Ultimate Customers; APPA Retail Electric Rates in Deregulated and Regulated States, 2023 Update



Competitive Market Study: Appendix

Table 25: Average Monthly Residential Bill - Cities				
City/State	Utility	Utility Type	Rank	Average Monthly Bill
Burlington, VT	City of Burlington Electric	Municipal	1	\$74.18
Fort Collins, CO	Platte River Power Authority	Municipal	2	\$78.33
Seattle, WA	Seattle City Light	Municipal	3	\$79.25
Colorado Springs, CO	City of Colorado Springs	Municipal	4	\$83.15
Anaheim, CA	Anaheim Public Utilities	Municipal	5	\$83.89
Denver, CO	Xcel Energy (Public Service Company of Colorado)	Investor Owned	6	\$83.94
Salt Lake City, UT	PacifiCorp	Investor Owned	7	\$84.11
Chicago, IL	Commonwealth Edison Company	Investor Owned	8	\$84.43
Cheyenne, WY	Cheyenne Light, Fuel & Power Company	Investor Owned	9	\$86.16
Lincoln, NE	Lincoln Electric System	Municipal	10	\$86.73
Albuquerque, NM	Public Service Company of New Mexico	Investor Owned	11	\$87.96
Washington, DC	Potomac Electric Power Company	Investor Owned	12	\$88.62
Des Moines, IA	MidAmerican Energy	Investor Owned	13	\$89.04
Council Bluffs, IA	MidAmerican Energy	Investor Owned	13	\$89.04
Sioux City, IA	MidAmerican Energy	Investor Owned	13	\$89.04
Fargo, ND	Northern States Power Company	Investor Owned	16	\$92.90
Springfield, MO	City Utilities of Springfield	Municipal	17	\$93.41
Bowling Green, KY	Bowling Green Municipal Utilities	Municipal	18	\$97.30
Lansing, MI	Lansing Board of Water & Light	Municipal	19	\$97.45
Tacoma, WA	Tacoma Public Utilities	Municipal	20	\$97.86
Madison, WI	Madison Gas & Electric Company	Investor Owned	21	\$100.18
Kearney, NE	Nebraska Public Power District	Political Subdivision	22	\$100.32
High Point, NC	High Point Electric Utility Department	Municipal	23	\$100.45
Newark, NJ	Public Service Electric & Gas Company	Investor Owned	24	\$101.11
Minneapolis, MN	Xcel Energy (Northern States Power Co. - Minnesota)	Investor Owned	25	\$101.48
Anchorage, AK	Chugach Electric Association Incorporated	Cooperative	26	\$104.51
Billings, MT	NorthWestern Energy (formerly Montana Power)	Investor Owned	27	\$105.52
Myrtle Beach, SC	Santee Cooper	State	28	\$106.68
Boise, ID	Idaho Power Company	Investor Owned	29	\$108.64
Riverside, CA	Riverside Electric Utility	Municipal	30	\$109.14
Reno, NV	Sierra Pacific Power Company - NV Energy	Investor Owned	31	\$109.44
Omaha, NE	Omaha Public Power District	Political Subdivision	32	\$109.67
Kansas City, MO	Evergy (Kansas City Power & Light Co.)	Investor Owned	33	\$110.46
Wichita, KS	Evergy (Formerly Westar Energy Inc)	Investor Owned	34	\$110.49
Sioux Falls, SD	Northern States Power Company	Investor Owned	35	\$110.76
Greensboro, NC	Duke Energy	Investor Owned	36	\$112.88
Sacramento, CA	Sacramento Municipal Util Dist	Political Subdivision	37	\$112.90
Toledo, OH	Toledo Edison - FirstEnergy Corp.	Investor Owned	38	\$113.26
Oklahoma City, OK	Oklahoma Gas & Electric Company	Investor Owned	39	\$114.14
Austin, TX	Austin Energy	Municipal	40	\$114.17
Milwaukee, WI	We Energies (formerly Wisconsin Electric)	Investor Owned	41	\$118.51
Indianapolis, IN	Indianapolis Power & Light Company	Investor Owned	42	\$118.93
Kansas City, KS	Kansas City Board of Public Utilities	Municipal	43	\$120.27
Tallahassee, FL	City of Tallahassee Electric Utility	Municipal	44	\$122.55
Portland, OR	Portland General Electric Company	Investor Owned	45	\$123.42
Lexington, KY	Kentucky Utilities Company	Investor Owned	46	\$123.98
Orlando, FL	Orlando Utilities Commission	Municipal	47	\$124.16
Greenville, SC	Duke Energy	Investor Owned	48	\$128.13
Lafayette, LA	Lafayette Utilities System	Municipal	49	\$128.37
Gainesville, FL	Gainesville Regional Utilities	Municipal	50	\$129.50
Nashville, TN	Nashville Electric Service	Municipal	51	\$131.05
San Antonio, TX	CPS Energy	Municipal	52	\$133.16
Wilmington, DE	Delmarva Power	Investor Owned	53	\$133.17
Richmond, VA	Dominion Virginia Power	Investor Owned	54	\$133.77



Competitive Market Study: Appendix

Table 25: Average Monthly Residential Bill - Cities

City/State	Utility	Utility Type	Rank	Average Monthly Bill
Jacksonville, FL	JEA	Municipal	55	\$136.73
Baltimore, MD	Baltimore Gas & Electric Company	Investor Owned	56	\$137.11
Little Rock, AR	Entergy Arkansas, Inc.	Investor Owned	57	\$137.24
Baton Rouge, LA	Entergy Louisiana, LLC	Investor Owned	58	\$137.87
Huntsville, AL	City of Huntsville	Municipal	59	\$137.91
Turlock, CA	Turlock Irrigation District	Political Subdivision	60	\$140.17
Savannah, GA	Georgia Power	Investor Owned	61	\$140.99
Dayton, OH	AES Ohio (formerly DP&L)	Investor Owned	62	\$141.33
Tulsa, OK	Public Service Company of Oklahoma	Investor Owned	63	\$141.55
Cambridge, MA	Eversource (Formerly Cambridge Electric Company)	Investor Owned	64	\$141.66
Boston, MA	Eversource (Formerly Boston Edison Company)	Investor Owned	64	\$141.66
Springfield, MA	Eversource (Formerly Western Massachusetts Electric)	Investor Owned	64	\$141.66
Evansville, IN	Southern Indiana Gas & Electric Company	Investor Owned	67	\$144.83
Phoenix, AZ	Salt River Project	Political Subdivision	68	\$148.59
Lakeland, FL	Lakeland Electric Utility	Municipal	69	\$148.88
Pawtucket, RI	Narragansett Electric Company	Investor Owned	70	\$149.77
College Station, TX	College Station Utilities	Municipal	71	\$150.62
Las Vegas, NV	Nevada Power Company - NV Energy	Investor Owned	72	\$153.43
Portland, ME	Central Maine Power Co	Investor Owned	73	\$155.25
Allentown, PA	PPL Electric Utilities	Investor Owned	74	\$159.15
Farmingdale, NY	Long Island Power Authority	State	75	\$160.73
Lima, OH	AEP Ohio (Ohio Power Company)	Investor Owned	76	\$161.98
Jackson, MS	Entergy Mississippi, Inc.	Investor Owned	77	\$162.30
Manchester, NH	Public Service Company of New Hampshire	Investor Owned	78	\$165.68
Bridgeport, CT	United Illuminating Company	Investor Owned	79	\$167.24
Charleston, WV	AEP (Appalachian Power Rate Area)	Investor Owned	80	\$169.69
Auburn, AL	Alabama Power	Investor Owned	81	\$173.81
Laredo, TX	Reliant Energy	Retail Power Marketer	82	\$178.78
Waco, TX	Reliant Energy	Retail Power Marketer	82	\$178.78
Imperial, CA	Imperial Irrigation District - Energy	Political Subdivision	84	\$188.98
Honolulu, HI	Hawaiian Electric Company	Investor Owned	85	\$201.31
Midland, TX	TXU Energy	Retail Power Marketer	86	\$201.44
Odessa, TX	TXU Energy	Retail Power Marketer	86	\$201.44

Note: The average monthly bill was calculated by multiplying the average price of electricity by the utilities' monthly average kWh.

Data Source(s): 2023 Form EIA-861 Annual Electric Power Industry Report, Sales to Ultimate Customers and United States Census Bureau American Community Survey 5-Year Estimates (2019-2023)



Competitive Market Study: Appendix

Table 26: Average Residential Cost per Day - Cities				
City/State	Utility	Utility Type	Rank	Average Cost Per Day
Burlington, VT	City of Burlington Electric	Municipal	1	\$2.44
Fort Collins, CO	Platte River Power Authority	Municipal	2	\$2.58
Seattle, WA	Seattle City Light	Municipal	3	\$2.61
Colorado Springs, CO	City of Colorado Springs	Municipal	4	\$2.73
Anaheim, CA	Anaheim Public Utilities	Municipal	5	\$2.76
Denver, CO	Xcel Energy (Public Service Company of Colorado)	Investor Owned	5	\$2.76
Salt Lake City, UT	PacifiCorp	Investor Owned	7	\$2.77
Chicago, IL	Commonwealth Edison Company	Investor Owned	8	\$2.78
Cheyenne, WY	Cheyenne Light, Fuel & Power Company	Investor Owned	9	\$2.83
Lincoln, NE	Lincoln Electric System	Municipal	10	\$2.85
Albuquerque, NM	Public Service Company of New Mexico	Investor Owned	11	\$2.89
Washington, DC	Potomac Electric Power Company	Investor Owned	12	\$2.91
Des Moines, IA	MidAmerican Energy	Investor Owned	13	\$2.93
Council Bluffs, IA	MidAmerican Energy	Investor Owned	13	\$2.93
Sioux City, IA	MidAmerican Energy	Investor Owned	13	\$2.93
Fargo, ND	Northern States Power Company	Investor Owned	16	\$3.05
Springfield, MO	City Utilities of Springfield	Municipal	17	\$3.07
Lansing, MI	Lansing Board of Water & Light	Municipal	18	\$3.20
Bowling Green, KY	Bowling Green Municipal Utilities	Municipal	18	\$3.20
Tacoma, WA	Tacoma Public Utilities	Municipal	20	\$3.22
Madison, WI	Madison Gas & Electric Company	Investor Owned	21	\$3.29
Kearney, NE	Nebraska Public Power District	Political Subdivision	22	\$3.30
High Point, NC	High Point Electric Utility Department	Municipal	22	\$3.30
Newark, NJ	Public Service Electric & Gas Company	Investor Owned	24	\$3.32
Minneapolis, MN	Xcel Energy (Northern States Power Co. - Minnesota)	Investor Owned	25	\$3.34
Anchorage, AK	Chugach Electric Association Incorporated	Cooperative	26	\$3.44
Billings, MT	NorthWestern Energy (formerly Montana Power)	Investor Owned	27	\$3.47
Myrtle Beach, SC	Santee Cooper	State	28	\$3.51
Boise, ID	Idaho Power Company	Investor Owned	29	\$3.57
Riverside, CA	Riverside Electric Utility	Municipal	30	\$3.59
Reno, NV	Sierra Pacific Power Company - NV Energy	Investor Owned	31	\$3.60
Omaha, NE	Omaha Public Power District	Political Subdivision	32	\$3.61
Wichita, KS	Evergy (Formerly Westar Energy Inc)	Investor Owned	33	\$3.63
Kansas City, MO	Evergy (Kansas City Power & Light Co.)	Investor Owned	33	\$3.63
Sioux Falls, SD	Northern States Power Company	Investor Owned	35	\$3.64
Greensboro, NC	Duke Energy	Investor Owned	36	\$3.71
Sacramento, CA	Sacramento Municipal Util Dist	Political Subdivision	36	\$3.71
Toledo, OH	Toledo Edison - FirstEnergy Corp.	Investor Owned	38	\$3.72
Oklahoma City, OK	Oklahoma Gas & Electric Company	Investor Owned	39	\$3.75
Austin, TX	Austin Energy	Municipal	39	\$3.75
Milwaukee, WI	We Energies (formerly Wisconsin Electric)	Investor Owned	41	\$3.90
Indianapolis, IN	Indianapolis Power & Light Company	Investor Owned	42	\$3.91
Kansas City, KS	Kansas City Board of Public Utilities	Municipal	43	\$3.95
Tallahassee, FL	City of Tallahassee Electric Utility	Municipal	44	\$4.03
Portland, OR	Portland General Electric Company	Investor Owned	45	\$4.06
Orlando, FL	Orlando Utilities Commission	Municipal	46	\$4.08
Lexington, KY	Kentucky Utilities Company	Investor Owned	46	\$4.08
Greenville, SC	Duke Energy	Investor Owned	48	\$4.21
Lafayette, LA	Lafayette Utilities System	Municipal	49	\$4.22
Gainesville, FL	Gainesville Regional Utilities	Municipal	50	\$4.26
Nashville, TN	Nashville Electric Service	Municipal	51	\$4.31
Wilmington, DE	Delmarva Power	Investor Owned	52	\$4.38
San Antonio, TX	CPS Energy	Municipal	52	\$4.38
Richmond, VA	Dominion Virginia Power	Investor Owned	54	\$4.40



Competitive Market Study: Appendix

Table 26: Average Residential Cost per Day - Cities

City/State	Utility	Utility Type	Rank	Average Cost Per Day
Jacksonville, FL	JEA	Municipal	55	\$4.50
Little Rock, AR	Entergy Arkansas, Inc.	Investor Owned	56	\$4.51
Baltimore, MD	Baltimore Gas & Electric Company	Investor Owned	56	\$4.51
Huntsville, AL	City of Huntsville	Municipal	58	\$4.53
Baton Rouge, LA	Entergy Louisiana, LLC	Investor Owned	58	\$4.53
Turlock, CA	Turlock Irrigation District	Political Subdivision	60	\$4.61
Savannah, GA	Georgia Power	Investor Owned	61	\$4.64
Tulsa, OK	Public Service Company of Oklahoma	Investor Owned	62	\$4.65
Dayton, OH	AES Ohio (formerly DP&L)	Investor Owned	62	\$4.65
Cambridge, MA	Eversource (Formerly Cambridge Electric Company)	Investor Owned	64	\$4.66
Springfield, MA	Eversource (Formerly Western Massachusetts Electric)	Investor Owned	64	\$4.66
Boston, MA	Eversource (Formerly Boston Edison Company)	Investor Owned	64	\$4.66
Evansville, IN	Southern Indiana Gas & Electric Company	Investor Owned	67	\$4.76
Lakeland, FL	Lakeland Electric Utility	Municipal	68	\$4.89
Phoenix, AZ	Salt River Project	Political Subdivision	68	\$4.89
Pawtucket, RI	Narragansett Electric Company	Investor Owned	70	\$4.92
College Station, TX	College Station Utilities	Municipal	71	\$4.95
Las Vegas, NV	Nevada Power Company - NV Energy	Investor Owned	72	\$5.04
Portland, ME	Central Maine Power Co	Investor Owned	73	\$5.10
Allentown, PA	PPL Electric Utilities	Investor Owned	74	\$5.23
Farmingdale, NY	Long Island Power Authority	State	75	\$5.28
Lima, OH	AEP Ohio (Ohio Power Company)	Investor Owned	76	\$5.33
Jackson, MS	Entergy Mississippi, Inc.	Investor Owned	77	\$5.34
Manchester, NH	Public Service Company of New Hampshire	Investor Owned	78	\$5.45
Bridgeport, CT	United Illuminating Company	Investor Owned	79	\$5.50
Charleston, WV	AEP (Appalachian Power Rate Area)	Investor Owned	80	\$5.58
Auburn, AL	Alabama Power	Investor Owned	81	\$5.71
Waco, TX	Reliant Energy	Retail Power Marketer	82	\$5.88
Laredo, TX	Reliant Energy	Retail Power Marketer	82	\$5.88
Imperial, CA	Imperial Irrigation District - Energy	Political Subdivision	84	\$6.21
Midland, TX	TXU Energy	Retail Power Marketer	85	\$6.62
Honolulu, HI	Hawaiian Electric Company	Investor Owned	85	\$6.62
Odessa, TX	TXU Energy	Retail Power Marketer	85	\$6.62

Note: The average cost per day was calculated by dividing the average annual bill by number of days in the year. Anchorage Municipal Light and Power that used to service Anchorage, AK was absorbed by Chugach Electric Association Incorporated.

Data Source(s): 2023 Form EIA-861 Annual Electric Power Industry Report, Sales to Ultimate Customers and United States Census Bureau American Community Survey 5-Year Estimates (2019-2023)



Competitive Market Study: Appendix

Table 27: Residential Electric Bill Percent of Household Income - Cities

City/State	Utility Name	Utility Type	Rank	% of Household Income
Seattle, WA	Seattle City Light	Municipal	1	0.78%
Washington, DC	Potomac Electric Power Company	Investor Owned	2	1.00%
Denver, CO	Xcel Energy (Public Service Company of Colorado)	Investor Owned	3	1.10%
Anaheim, CA	Anaheim Public Utilities	Municipal	4	1.11%
Fort Collins, CO	Platte River Power Authority	Municipal	5	1.12%
Colorado Springs, CO	City of Colorado Springs	Municipal	6	1.20%
Anchorage, AK	Chugach Electric Association Incorporated	Cooperative	7	1.28%
Burlington, VT	City of Burlington Electric	Municipal	8	1.29%
Cambridge, MA	Eversource (Formerly Cambridge Electric Company)	Investor Owned	9	1.34%
Cheyenne, WY	Cheyenne Light, Fuel & Power Company	Investor Owned	9	1.34%
Salt Lake City, UT	PacifiCorp	Investor Owned	11	1.35%
Chicago, IL	Commonwealth Edison Company	Investor Owned	11	1.35%
Tacoma, WA	Tacoma Public Utilities	Municipal	13	1.40%
Farmingdale, NY	Long Island Power Authority	State	14	1.44%
Riverside, CA	Riverside Electric Utility	Municipal	15	1.48%
Lincoln, NE	Lincoln Electric System	Municipal	16	1.49%
Austin, TX	Austin Energy	Municipal	17	1.50%
Minneapolis, MN	Xcel Energy (Northern States Power Co. - Minnesota)	Investor Owned	18	1.52%
Madison, WI	Madison Gas & Electric Company	Investor Owned	19	1.56%
Boise, ID	Idaho Power Company	Investor Owned	20	1.60%
Albuquerque, NM	Public Service Company of New Mexico	Investor Owned	21	1.61%
Sacramento, CA	Sacramento Municipal Util Dist	Political Subdivision	22	1.62%
Sioux City, IA	MidAmerican Energy	Investor Owned	23	1.63%
Portland, OR	Portland General Electric Company	Investor Owned	24	1.67%
Council Bluffs, IA	MidAmerican Energy	Investor Owned	24	1.67%
Des Moines, IA	MidAmerican Energy	Investor Owned	24	1.67%
Reno, NV	Sierra Pacific Power Company - NV Energy	Investor Owned	24	1.67%
Fargo, ND	Northern States Power Company	Investor Owned	28	1.69%
Kearney, NE	Nebraska Public Power District	Political Subdivision	29	1.72%
Billings, MT	NorthWestern Energy (formerly Montana Power)	Investor Owned	30	1.76%
Sioux Falls, SD	Northern States Power Company	Investor Owned	31	1.78%
Boston, MA	Eversource (Formerly Boston Edison Company)	Investor Owned	32	1.79%
Omaha, NE	Omaha Public Power District	Political Subdivision	33	1.81%
High Point, NC	High Point Electric Utility Department	Municipal	34	1.97%
Kansas City, MO	Evergy (Kansas City Power & Light Co.)	Investor Owned	34	1.97%
Oklahoma City, OK	Oklahoma Gas & Electric Company	Investor Owned	36	2.05%
Nashville, TN	Nashville Electric Service	Municipal	37	2.09%
Wichita, KS	Evergy (Formerly Westar Energy Inc)	Investor Owned	38	2.10%
Turlock, CA	Turlock Irrigation District	Political Subdivision	39	2.11%
Orlando, FL	Orlando Utilities Commission	Municipal	40	2.15%
Lexington, KY	Kentucky Utilities Company	Investor Owned	41	2.20%
Lansing, MI	Lansing Board of Water & Light	Municipal	42	2.24%
Greenville, SC	Duke Energy	Investor Owned	43	2.25%
Indianapolis, IN	Indianapolis Power & Light Company	Investor Owned	44	2.27%
Greensboro, NC	Duke Energy	Investor Owned	45	2.30%
Phoenix, AZ	Salt River Project	Political Subdivision	46	2.31%
Huntsville, AL	City of Huntsville	Municipal	47	2.34%
Myrtle Beach, SC	Santee Cooper	State	48	2.38%
Bowling Green, KY	Bowling Green Municipal Utilities	Municipal	49	2.41%
Springfield, MO	City Utilities of Springfield	Municipal	50	2.44%
Kansas City, KS	Kansas City Board of Public Utilities	Municipal	50	2.44%
Portland, ME	Central Maine Power Co	Investor Owned	52	2.45%
Jacksonville, FL	JEA	Municipal	52	2.45%
Newark, NJ	Public Service Electric & Gas Company	Investor Owned	54	2.51%



Competitive Market Study: Appendix

Table 27: Residential Electric Bill Percent of Household Income - Cities

City/State	Utility Name	Utility Type	Rank	% of Household Income
Lafayette, LA	Lafayette Utilities System	Municipal	54	2.51%
San Antonio, TX	CPS Energy	Municipal	56	2.54%
Richmond, VA	Dominion Virginia Power	Investor Owned	57	2.56%
Manchester, NH	Public Service Company of New Hampshire	Investor Owned	58	2.57%
Las Vegas, NV	Nevada Power Company - NV Energy	Investor Owned	59	2.60%
Tallahassee, FL	City of Tallahassee Electric Utility	Municipal	60	2.63%
Midland, TX	TXU Energy	Retail Power Marketer	61	2.65%
Pawtucket, RI	Narragansett Electric Company	Investor Owned	62	2.67%
Little Rock, AR	Entergy Arkansas, Inc.	Investor Owned	63	2.72%
Imperial, CA	Imperial Irrigation District - Energy	Political Subdivision	64	2.73%
Milwaukee, WI	We Energies (formerly Wisconsin Electric)	Investor Owned	65	2.74%
Baltimore, MD	Baltimore Gas & Electric Company	Investor Owned	66	2.76%
Honolulu, HI	Hawaiian Electric Company	Investor Owned	67	2.83%
Toledo, OH	Toledo Edison - FirstEnergy Corp.	Investor Owned	68	2.86%
Wilmington, DE	Delmarva Power	Investor Owned	69	2.89%
Tulsa, OK	Public Service Company of Oklahoma	Investor Owned	70	2.91%
Lakeland, FL	Lakeland Electric Utility	Municipal	71	2.93%
Savannah, GA	Georgia Power	Investor Owned	72	2.98%
Charleston, WV	AEP (Appalachian Power Rate Area)	Investor Owned	73	3.16%
Springfield, MA	Eversource (Formerly Western Massachusetts Electric)	Investor Owned	74	3.31%
Odessa, TX	TXU Energy	Retail Power Marketer	74	3.31%
Baton Rouge, LA	Entergy Louisiana, LLC	Investor Owned	74	3.31%
Evansville, IN	Southern Indiana Gas & Electric Company	Investor Owned	77	3.33%
Laredo, TX	Reliant Energy	Retail Power Marketer	78	3.39%
Gainesville, FL	Gainesville Regional Utilities	Municipal	79	3.41%
College Station, TX	College Station Utilities	Municipal	80	3.49%
Bridgeport, CT	United Illuminating Company	Investor Owned	81	3.55%
Allentown, PA	PPL Electric Utilities	Investor Owned	82	3.58%
Auburn, AL	Alabama Power	Investor Owned	83	3.72%
Dayton, OH	AES Ohio (formerly DP&L)	Investor Owned	84	3.90%
Waco, TX	Reliant Energy	Retail Power Marketer	85	4.17%
Lima, OH	AEP Ohio (Ohio Power Company)	Investor Owned	86	4.48%
Jackson, MS	Entergy Mississippi, Inc.	Investor Owned	87	4.50%

Note: Anchorage Municipal Light and Power that used to service Anchorage, AK was absorbed by Chugach Electric Association Incorporated.

Data Source(s): 2023 Form EIA-861 Annual Electric Power Industry Report, Sales to Ultimate Customers and United States Census Bureau American Community Survey 5-Year Estimates (2019-2023)



Competitive Market Study: Appendix

Table 28: Average Monthly Residential Bill Rank Changes- Cities

City	Utility	Current Year Rank	Prior Year Rank	Rank Change	Average Bill	Average Bill PY	Bill Percent Change
Burlington, VT	City of Burlington Electric	1	1	0	74.18	72.43	2.4%
Fort Collins, CO	Platte River Power Authority	2	3	1	78.33	77.29	1.3%
Seattle, WA	Seattle City Light	3	2	-1	79.25	76.48	3.6%
Colorado Springs, CO	City of Colorado Springs	4	18	14	83.15	95.09	-12.6%
Anaheim, CA	Anaheim Public Utilities	5	4	-1	83.89	80.38	4.4%
Denver, CO	Xcel Energy (Public Service Company of Colorado)	6	9	3	83.94	87.24	-3.8%
Salt Lake City, UT	PacifiCorp	7	8	1	84.11	85.28	-1.4%
Chicago, IL	Commonwealth Edison Company	8	23	15	84.43	100.7	-16.2%
Cheyenne, WY	Cheyenne Light, Fuel & Power Company	9	10	1	86.16	87.65	-1.7%
Lincoln, NE	Lincoln Electric System	10	7	-3	86.73	83.73	3.6%
Albuquerque, NM	Public Service Company of New Mexico	11	6	-5	87.96	83.44	5.4%
Washington, DC	Potomac Electric Power Company	12	5	-7	88.62	81.41	8.9%
Des Moines, IA	MidAmerican Energy	13	12	-1	89.04	93.24	-4.5%
Council Bluffs, IA	MidAmerican Energy	13	12	-1	89.04	93.24	-4.5%
Sioux City, IA	MidAmerican Energy	13	12	-1	89.04	93.24	-4.5%
Fargo, ND	Northern States Power Company	16	25	9	92.9	102	-8.9%
Springfield, MO	City Utilities of Springfield	17	19	2	93.41	95.18	-1.9%
Bowling Green, KY	Bowling Green Municipal Utilities	18	32	14	97.3	107.94	-9.9%
Lansing, MI	Lansing Board of Water & Light	19	11	-8	97.45	88.39	10.3%
Tacoma, WA	Tacoma Public Utilities	20	21	1	97.86	99.27	-1.4%
Madison, WI	Madison Gas & Electric Company	21	17	-4	100.18	94.89	5.6%
Kearney, NE	Nebraska Public Power District	22	26	4	100.32	103.77	-3.3%
High Point, NC	High Point Electric Utility Department	23	27	4	100.45	103.84	-3.3%
Newark, NJ	Public Service Electric & Gas Company	24	22	-2	101.11	100.63	0.5%
Minneapolis, MN	Xcel Energy (Northern States Power Co. - Minnesota)	25	20	-5	101.48	98.62	2.9%
Anchorage, AK	Chugach Electric Association Incorporated	26	24	-2	104.51	101.62	2.8%
Billings, MT	NorthWestern Energy (formerly Montana Power)	27	15	-12	105.52	93.69	12.6%
Myrtle Beach, SC	Santee Cooper	28	34	6	106.68	109.58	-2.6%
Boise, ID	Idaho Power Company	29	30	1	108.64	104.65	3.8%
Riverside, CA	Riverside Electric Utility	30	43	13	109.14	120.11	-9.1%
Reno, NV	Sierra Pacific Power Company - NV Energy	31	16	-15	109.44	94.79	15.5%
Omaha, NE	Omaha Public Power District	32	35	3	109.67	110.24	-0.5%
Kansas City, MO	Evergy (Kansas City Power & Light Co.)	33	37	4	110.46	111.05	-0.5%
Wichita, KS	Evergy (Formerly Westar Energy Inc)	34	47	13	110.49	126.37	-12.6%
Sioux Falls, SD	Northern States Power Company	35	29	-6	110.76	104.46	6.0%
Greensboro, NC	Duke Energy	36	33	-3	112.88	108.96	3.6%
Sacramento, CA	Sacramento Municipal Util Dist	37	40	3	112.9	115.75	-2.5%
Toledo, OH	Toledo Edison - FirstEnergy Corp.	38	28	-10	113.26	103.98	8.9%
Oklahoma City, OK	Oklahoma Gas & Electric Company	39	69	30	114.14	145.57	-21.6%
Austin, TX	Austin Energy	40	31	-9	114.17	106.42	7.3%
Milwaukee, WI	We Energies (formerly Wisconsin Electric)	41	38	-3	118.51	111.11	6.7%
Indianapolis, IN	Indianapolis Power & Light Company	42	46	4	118.93	125.11	-4.9%
Kansas City, KS	Kansas City Board of Public Utilities	43	41	-2	120.27	118.33	1.6%
Tallahassee, FL	City of Tallahassee Electric Utility	44	36	-8	122.55	110.74	10.7%
Portland, OR	Portland General Electric Company	45	39	-6	123.42	113.55	8.7%
Lexington, KY	Kentucky Utilities Company	46	63	17	123.98	141.28	-12.2%
Orlando, FL	Orlando Utilities Commission	47	59	12	124.16	138.55	-10.4%
Greenville, SC	Duke Energy	48	48	0	128.13	127.03	0.9%
Lafayette, LA	Lafayette Utilities System	49	68	19	128.37	144.83	-11.4%
Gainesville, FL	Gainesville Regional Utilities	50	54	4	129.5	137.98	-6.1%



Competitive Market Study: Appendix

Table 28: Average Monthly Residential Bill Rank Changes- Cities

City	Utility	Current Year Rank	Prior Year Rank	Rank Change	Average Bill	Average Bill PY	Bill Percent Change
Nashville, TN	Nashville Electric Service	51	67	16	131.05	142.39	-8.0%
San Antonio, TX	CPS Energy	52	61	9	133.16	139.49	-4.5%
Wilmington, DE	Delmarva Power	53	44	-9	133.17	122.7	8.5%
Richmond, VA	Dominion Virginia Power	54	65	11	133.77	141.76	-5.6%
Jacksonville, FL	JEA	55	73	18	136.73	151.07	-9.5%
Baltimore, MD	Baltimore Gas & Electric Company	56	45	-11	137.11	122.91	11.6%
Little Rock, AR	Entergy Arkansas, Inc.	57	50	-7	137.24	130.89	4.9%
Baton Rouge, LA	Entergy Louisiana, LLC	58	76	18	137.87	155.84	-11.5%
Huntsville, AL	City of Huntsville	59	72	13	137.91	150.58	-8.4%
Turlock, CA	Turlock Irrigation District	60	60	0	140.17	138.71	1.1%
Savannah, GA	Georgia Power	61	75	14	140.99	155.46	-9.3%
Dayton, OH	AES Ohio (formerly DP&L)	62	42	-20	141.33	119.31	18.5%
Tulsa, OK	Public Service Company of Oklahoma	63	58	-5	141.55	138.37	2.3%
Cambridge, MA	Eversource (Formerly Cambridge Electric Company)	64	55	-9	141.66	138.22	2.5%
Boston, MA	Eversource (Formerly Boston Edison Company)	64	55	-9	141.66	138.22	2.5%
Springfield, MA	Eversource (Formerly Western Massachusetts Electric)	64	55	-9	141.66	138.22	2.5%
Evansville, IN	Southern Indiana Gas & Electric Company	67	74	7	144.83	153.22	-5.5%
Phoenix, AZ	Salt River Project	68	66	-2	148.59	142.37	4.4%
Lakeland, FL	Lakeland Electric Utility	69	70	1	148.88	146.66	1.5%
Pawtucket, RI	Narragansett Electric Company	70	52	-18	149.77	135.39	10.6%
College Station, TX	College Station Utilities	71	62	-9	150.62	141.2	6.7%
Las Vegas, NV	Nevada Power Company - NV Energy	72	53	-19	153.43	136.82	12.1%
Portland, ME	Central Maine Power Co	73	51	-22	155.25	132.62	17.1%
Allentown, PA	PPL Electric Utilities	74	77	3	159.15	156.52	1.7%
Farmingdale, NY	Long Island Power Authority	75	86	11	160.73	192.22	-16.4%
Lima, OH	AEP Ohio (Ohio Power Company)	76	71	-5	161.98	147.47	9.8%
Jackson, MS	Entergy Mississippi, Inc.	77	64	-13	162.3	141.51	14.7%
Manchester, NH	Public Service Company of New Hampshire	78	78	0	165.68	159.9	3.6%
Bridgeport, CT	United Illuminating Company	79	49	-30	167.24	130.52	28.1%
Charleston, WV	AEP (Appalachian Power Rate Area)	80	81	1	169.69	177.95	-4.6%
Auburn, AL	Alabama Power	81	82	1	173.81	180.88	-3.9%
Laredo, TX	Reliant Energy	82	79	-3	178.78	172.88	3.4%
Waco, TX	Reliant Energy	82	79	-3	178.78	172.88	3.4%
Imperial, CA	Imperial Irrigation District - Energy	84	83	-1	188.98	182.17	3.7%
Honolulu, HI	Hawaiian Electric Company	85	87	2	201.31	208.49	-3.4%
Midland, TX	TXU Energy	86	84	-2	201.44	188.18	7.0%
Odessa, TX	TXU Energy	86	84	-2	201.44	188.18	7.0%

Note: The average monthly bill was calculated by multiplying the average price of electricity by the utilities' monthly average kWh.

Data Source(s): 2023 Form EIA-861 Annual Electric Power Industry Report, Sales to Ultimate Customers



Competitive Market Study: Appendix

Table 29: Average Residential Cost per Day Rank Changes - Cities

City	Utility	Current Year Rank	Prior Year Rank	Rank Change	Average Price	Average Price PY	Price Percent Change
Burlington, VT	City of Burlington Electric	1	1	0	2.44	2.38	2.4%
Fort Collins, CO	Platte River Power Authority	2	3	1	2.58	2.54	1.3%
Seattle, WA	Seattle City Light	3	2	-1	2.61	2.51	3.6%
Colorado Springs, CO	City of Colorado Springs	4	18	14	2.73	3.13	-12.6%
Anaheim, CA	Anaheim Public Utilities	5	4	-1	2.76	2.64	4.4%
Denver, CO	Xcel Energy (Public Service Company of Colorado)	5	9	4	2.76	2.87	-3.8%
Salt Lake City, UT	PacifiCorp	7	8	1	2.77	2.80	-1.4%
Chicago, IL	Commonwealth Edison Company	8	22	14	2.78	3.31	-16.2%
Cheyenne, WY	Cheyenne Light, Fuel & Power Company	9	10	1	2.83	2.88	-1.7%
Lincoln, NE	Lincoln Electric System	10	7	-3	2.85	2.75	3.6%
Albuquerque, NM	Public Service Company of New Mexico	11	6	-5	2.89	2.74	5.4%
Washington, DC	Potomac Electric Power Company	12	5	-7	2.91	2.68	8.9%
Des Moines, IA	MidAmerican Energy	13	12	-1	2.93	3.07	-4.5%
Council Bluffs, IA	MidAmerican Energy	13	12	-1	2.93	3.07	-4.5%
Sioux City, IA	MidAmerican Energy	13	12	-1	2.93	3.07	-4.5%
Fargo, ND	Northern States Power Company	16	25	9	3.05	3.35	-8.9%
Springfield, MO	City Utilities of Springfield	17	18	1	3.07	3.13	-1.9%
Lansing, MI	Lansing Board of Water & Light	18	11	-7	3.20	2.91	10.3%
Bowling Green, KY	Bowling Green Municipal Utilities	18	32	14	3.20	3.55	-9.9%
Tacoma, WA	Tacoma Public Utilities	20	21	1	3.22	3.26	-1.4%
Madison, WI	Madison Gas & Electric Company	21	16	-5	3.29	3.12	5.6%
Kearney, NE	Nebraska Public Power District	22	26	4	3.30	3.41	-3.3%
High Point, NC	High Point Electric Utility Department	22	26	4	3.30	3.41	-3.3%
Newark, NJ	Public Service Electric & Gas Company	24	22	-2	3.32	3.31	0.5%
Minneapolis, MN	Xcel Energy (Northern States Power Co. - Minnesota)	25	20	-5	3.34	3.24	2.9%
Anchorage, AK	Chugach Electric Association Incorporated	26	24	-2	3.44	3.34	2.8%
Billings, MT	NorthWestern Energy (formerly Montana Power)	27	15	-12	3.47	3.08	12.6%
Myrtle Beach, SC	Santee Cooper	28	34	6	3.51	3.60	-2.6%
Boise, ID	Idaho Power Company	29	30	1	3.57	3.44	3.8%
Riverside, CA	Riverside Electric Utility	30	43	13	3.59	3.95	-9.1%
Reno, NV	Sierra Pacific Power Company - NV Energy	31	16	-15	3.60	3.12	15.5%
Omaha, NE	Omaha Public Power District	32	35	3	3.61	3.62	-0.5%
Wichita, KS	Evergy (Formerly Westar Energy Inc)	33	47	14	3.63	4.15	-12.6%
Kansas City, MO	Evergy (Kansas City Power & Light Co.)	33	37	4	3.63	3.65	-0.5%
Sioux Falls, SD	Northern States Power Company	35	29	-6	3.64	3.43	6.0%
Greensboro, NC	Duke Energy	36	33	-3	3.71	3.58	3.6%
Sacramento, CA	Sacramento Municipal Util Dist	36	40	4	3.71	3.81	-2.5%
Toledo, OH	Toledo Edison - FirstEnergy Corp.	38	28	-10	3.72	3.42	8.9%
Oklahoma City, OK	Oklahoma Gas & Electric Company	39	69	30	3.75	4.79	-21.6%
Austin, TX	Austin Energy	39	31	-8	3.75	3.50	7.3%
Milwaukee, WI	We Energies (formerly Wisconsin Electric)	41	37	-4	3.90	3.65	6.7%
Indianapolis, IN	Indianapolis Power & Light Company	42	46	4	3.91	4.11	-4.9%
Kansas City, KS	Kansas City Board of Public Utilities	43	41	-2	3.95	3.89	1.6%
Tallahassee, FL	City of Tallahassee Electric Utility	44	36	-8	4.03	3.64	10.7%
Portland, OR	Portland General Electric Company	45	39	-6	4.06	3.73	8.7%
Orlando, FL	Orlando Utilities Commission	46	59	13	4.08	4.56	-10.4%
Lexington, KY	Kentucky Utilities Company	46	62	16	4.08	4.64	-12.2%
Greenville, SC	Duke Energy	48	48	0	4.21	4.18	0.9%
Lafayette, LA	Lafayette Utilities System	49	68	19	4.22	4.76	-11.4%
Gainesville, FL	Gainesville Regional Utilities	50	54	4	4.26	4.54	-6.1%



Competitive Market Study: Appendix

Table 29: Average Residential Cost per Day Rank Changes - Cities

City	Utility	Current Year Rank	Prior Year Rank	Rank Change	Average Price	Average Price PY	Price Percent Change
Nashville, TN	Nashville Electric Service	51	66	15	4.31	4.68	-8.0%
Wilmington, DE	Delmarva Power	52	44	-8	4.38	4.03	8.5%
San Antonio, TX	CPS Energy	52	61	9	4.38	4.59	-4.5%
Richmond, VA	Dominion Virginia Power	54	65	11	4.40	4.66	-5.6%
Jacksonville, FL	JEA	55	73	18	4.50	4.97	-9.5%
Little Rock, AR	Entergy Arkansas, Inc.	56	50	-6	4.51	4.30	4.9%
Baltimore, MD	Baltimore Gas & Electric Company	56	45	-11	4.51	4.04	11.6%
Huntsville, AL	City of Huntsville	58	72	14	4.53	4.95	-8.4%
Baton Rouge, LA	Entergy Louisiana, LLC	58	76	18	4.53	5.12	-11.5%
Turlock, CA	Turlock Irrigation District	60	59	-1	4.61	4.56	1.1%
Savannah, GA	Georgia Power	61	75	14	4.64	5.11	-9.3%
Tulsa, OK	Public Service Company of Oklahoma	62	58	-4	4.65	4.55	2.3%
Dayton, OH	AES Ohio (formerly DP&L)	62	42	-20	4.65	3.92	18.5%
Cambridge, MA	Eversource (Formerly Cambridge Electric Company)	64	54	-10	4.66	4.54	2.5%
Springfield, MA	Eversource (Formerly Western Massachusetts Electric)	64	54	-10	4.66	4.54	2.5%
Boston, MA	Eversource (Formerly Boston Edison Company)	64	54	-10	4.66	4.54	2.5%
Evansville, IN	Southern Indiana Gas & Electric Company	67	74	7	4.76	5.04	-5.5%
Lakeland, FL	Lakeland Electric Utility	68	70	2	4.89	4.82	1.5%
Phoenix, AZ	Salt River Project	68	66	-2	4.89	4.68	4.4%
Pawtucket, RI	Narragansett Electric Company	70	52	-18	4.92	4.45	10.6%
College Station, TX	College Station Utilities	71	62	-9	4.95	4.64	6.7%
Las Vegas, NV	Nevada Power Company - NV Energy	72	53	-19	5.04	4.50	12.1%
Portland, ME	Central Maine Power Co	73	51	-22	5.10	4.36	17.1%
Allentown, PA	PPL Electric Utilities	74	77	3	5.23	5.15	1.7%
Farmingdale, NY	Long Island Power Authority	75	86	11	5.28	6.32	-16.4%
Lima, OH	AEP Ohio (Ohio Power Company)	76	71	-5	5.33	4.85	9.8%
Jackson, MS	Entergy Mississippi, Inc.	77	64	-13	5.34	4.65	14.7%
Manchester, NH	Public Service Company of New Hampshire	78	78	0	5.45	5.26	3.6%
Bridgeport, CT	United Illuminating Company	79	49	-30	5.50	4.29	28.1%
Charleston, WV	AEP (Appalachian Power Rate Area)	80	81	1	5.58	5.85	-4.6%
Auburn, AL	Alabama Power	81	82	1	5.71	5.95	-3.9%
Waco, TX	Reliant Energy	82	79	-3	5.88	5.68	3.4%
Laredo, TX	Reliant Energy	82	79	-3	5.88	5.68	3.4%
Imperial, CA	Imperial Irrigation District - Energy	84	83	-1	6.21	5.99	3.7%
Midland, TX	TXU Energy	85	84	-1	6.62	6.19	7.0%
Honolulu, HI	Hawaiian Electric Company	85	87	2	6.62	6.85	-3.4%
Odessa, TX	TXU Energy	85	84	-1	6.62	6.19	7.0%

Note: The average cost per day was calculated by dividing the average annual bill by number of days in the year.

Data Source(s): 2023 Form EIA-861 Annual Electric Power Industry Report, Sales to Ultimate Customers



Competitive Market Study: Appendix

Table 30: Residential Electric Bill Percent of Household Income Rank Changes - Cities

City	Utility	Current Year Rank	Prior Year Rank	Rank Change	% of Household Income	% of Household Income PY	Percentage Points Change
Seattle, WA	Seattle City Light	1	1	0	0.78%	0.87%	-10.3%
Washington, DC	Potomac Electric Power Company	2	2	0	1.00%	1.04%	-3.8%
Denver, CO	Xcel Energy (Public Service Company of Colorado)	3	5	2	1.10%	1.34%	-17.9%
Anaheim, CA	Anaheim Public Utilities	4	3	-1	1.11%	1.18%	-5.9%
Fort Collins, CO	Platte River Power Authority	5	4	-1	1.12%	1.27%	-11.8%
Colorado Springs, CO	City of Colorado Springs	6	11	5	1.20%	1.59%	-24.5%
Anchorage, AK	Chugach Electric Association Incorporated	7	6	-1	1.28%	1.37%	-6.6%
Burlington, VT	City of Burlington Electric	8	7	-1	1.29%	1.46%	-11.6%
Cambridge, MA	Eversource (Formerly Cambridge Electric Company)	9	8	-1	1.34%	1.47%	-8.8%
Cheyenne, WY	Cheyenne Light, Fuel & Power Company	9	9	0	1.34%	1.49%	-10.1%
Salt Lake City, UT	PacifiCorp	11	10	-1	1.35%	1.55%	-12.9%
Chicago, IL	Commonwealth Edison Company	11	21	10	1.35%	1.84%	-26.6%
Tacoma, WA	Tacoma Public Utilities	13	17	4	1.40%	1.70%	-17.6%
Farmingdale, NY	Long Island Power Authority	14	29	15	1.44%	1.99%	-27.6%
Riverside, CA	Riverside Electric Utility	15	23	8	1.48%	1.88%	-21.3%
Lincoln, NE	Lincoln Electric System	16	12	-4	1.49%	1.61%	-7.5%
Austin, TX	Austin Energy	17	13	-4	1.50%	1.62%	-7.4%
Minneapolis, MN	Xcel Energy (Northern States Power Co. - Minnesota)	18	16	-2	1.52%	1.69%	-10.1%
Madison, WI	Madison Gas & Electric Company	19	13	-6	1.56%	1.62%	-3.7%
Boise, ID	Idaho Power Company	20	21	1	1.60%	1.84%	-13.0%
Albuquerque, NM	Public Service Company of New Mexico	21	20	-1	1.61%	1.78%	-9.6%
Sacramento, CA	Sacramento Municipal Util Dist	22	28	6	1.62%	1.95%	-16.9%
Sioux City, IA	MidAmerican Energy	23	23	0	1.63%	1.88%	-13.3%
Portland, OR	Portland General Electric Company	24	18	-6	1.67%	1.74%	-4.0%
Council Bluffs, IA	MidAmerican Energy	24	27	3	1.67%	1.94%	-13.9%
Des Moines, IA	MidAmerican Energy	24	26	2	1.67%	1.91%	-12.6%
Reno, NV	Sierra Pacific Power Company - NV Energy	24	15	-9	1.67%	1.68%	-0.6%
Fargo, ND	Northern States Power Company	28	32	4	1.69%	2.03%	-16.7%
Kearney, NE	Nebraska Public Power District	29	29	0	1.72%	1.99%	-13.6%
Billings, MT	NorthWestern Energy (formerly Montana Power)	30	19	-11	1.76%	1.77%	-0.6%
Sioux Falls, SD	Northern States Power Company	31	23	-8	1.78%	1.88%	-5.3%
Boston, MA	Eversource (Formerly Boston Edison Company)	32	32	0	1.79%	2.03%	-11.8%
Omaha, NE	Omaha Public Power District	33	31	-2	1.81%	2.02%	-10.4%
High Point, NC	High Point Electric Utility Department	34	36	2	1.97%	2.29%	-14.0%
Kansas City, MO	Eversource (Kansas City Power & Light Co.)	34	34	0	1.97%	2.22%	-11.3%
Oklahoma City, OK	Oklahoma Gas & Electric Company	36	59	23	2.05%	2.93%	-30.0%
Nashville, TN	Nashville Electric Service	37	42	5	2.09%	2.61%	-19.9%
Wichita, KS	Eversource (Formerly Westar Energy Inc)	38	46	8	2.10%	2.69%	-21.9%
Turlock, CA	Turlock Irrigation District	39	38	-1	2.11%	2.50%	-15.6%
Orlando, FL	Orlando Utilities Commission	40	53	13	2.15%	2.82%	-23.8%
Lexington, KY	Kentucky Utilities Company	41	49	8	2.20%	2.76%	-20.3%
Lansing, MI	Lansing Board of Water & Light	42	35	-7	2.24%	2.28%	-1.8%
Greenville, SC	Duke Energy	43	39	-4	2.25%	2.52%	-10.7%
Indianapolis, IN	Indianapolis Power & Light Company	44	49	5	2.27%	2.76%	-17.8%
Greensboro, NC	Duke Energy	45	40	-5	2.30%	2.53%	-9.1%
Phoenix, AZ	Salt River Project	46	43	-3	2.31%	2.63%	-12.2%
Huntsville, AL	City of Huntsville	47	61	14	2.34%	2.96%	-20.9%
Myrtle Beach, SC	Santee Cooper	48	56	8	2.38%	2.88%	-17.4%
Bowling Green, KY	Bowling Green Municipal Utilities	49	62	13	2.41%	2.97%	-18.9%
Springfield, MO	City Utilities of Springfield	50	54	4	2.44%	2.86%	-14.7%



Competitive Market Study: Appendix

Table 30: Residential Electric Bill Percent of Household Income Rank Changes - Cities

City	Utility	Current Year Rank	Prior Year Rank	Rank Change	% of Household Income	% of Household Income PY	Percentage Points Change
Kansas City, KS	Kansas City Board of Public Utilities	50	52	2	2.44%	2.80%	-12.9%
Portland, ME	Central Maine Power Co	52	37	-15	2.45%	2.41%	1.7%
Jacksonville, FL	JEA	52	68	16	2.45%	3.11%	-21.2%
Newark, NJ	Public Service Electric & Gas Company	54	58	4	2.51%	2.92%	-14.0%
Lafayette, LA	Lafayette Utilities System	54	69	15	2.51%	3.14%	-20.1%
San Antonio, TX	CPS Energy	56	65	9	2.54%	3.04%	-16.4%
Richmond, VA	Dominion Virginia Power	57	66	9	2.56%	3.10%	-17.4%
Manchester, NH	Public Service Company of New Hampshire	58	55	-3	2.57%	2.87%	-10.5%
Las Vegas, NV	Nevada Power Company - NV Energy	59	44	-15	2.60%	2.68%	-3.0%
Tallahassee, FL	City of Tallahassee Electric Utility	60	47	-13	2.63%	2.71%	-3.0%
Midland, TX	TXU Energy	61	41	-20	2.65%	2.57%	3.1%
Pawtucket, RI	Narragansett Electric Company	62	56	-6	2.67%	2.88%	-7.3%
Little Rock, AR	Entergy Arkansas, Inc.	63	49	-14	2.72%	2.76%	-1.4%
Imperial, CA	Imperial Irrigation District - Energy	64	44	-20	2.73%	2.68%	1.9%
Milwaukee, WI	We Energies (formerly Wisconsin Electric)	65	60	-5	2.74%	2.94%	-6.8%
Baltimore, MD	Baltimore Gas & Electric Company	66	48	-18	2.76%	2.73%	1.1%
Honolulu, HI	Hawaiian Electric Company	67	71	4	2.83%	3.27%	-13.5%
Toledo, OH	Toledo Edison - FirstEnergy Corp.	68	64	-4	2.86%	2.99%	-4.3%
Wilmington, DE	Delmarva Power	69	63	-6	2.89%	2.98%	-3.0%
Tulsa, OK	Public Service Company of Oklahoma	70	70	0	2.91%	3.17%	-8.2%
Lakeland, FL	Lakeland Electric Utility	71	72	1	2.93%	3.32%	-11.7%
Savannah, GA	Georgia Power	72	76	4	2.98%	3.74%	-20.3%
Charleston, WV	AEP (Appalachian Power Rate Area)	73	80	7	3.16%	3.95%	-20.0%
Springfield, MA	Eversource (Formerly Western Massachusetts Electric)	74	78	4	3.31%	3.83%	-13.6%
Odessa, TX	TXU Energy	74	73	-1	3.31%	3.38%	-2.1%
Baton Rouge, LA	Entergy Louisiana, LLC	74	83	9	3.31%	4.04%	-18.1%
Evansville, IN	Southern Indiana Gas & Electric Company	77	82	5	3.33%	4.03%	-17.4%
Laredo, TX	Reliant Energy	78	75	-3	3.39%	3.73%	-9.1%
Gainesville, FL	Gainesville Regional Utilities	79	83	4	3.41%	4.04%	-15.6%
College Station, TX	College Station Utilities	80	73	-7	3.49%	3.38%	3.3%
Bridgeport, CT	United Illuminating Company	81	66	-15	3.55%	3.10%	14.5%
Allentown, PA	PPL Electric Utilities	82	79	-3	3.58%	3.94%	-9.1%
Auburn, AL	Alabama Power	83	81	-2	3.72%	3.97%	-6.3%
Dayton, OH	AES Ohio (formerly DP&L)	84	77	-7	3.90%	3.81%	2.4%
Waco, TX	Reliant Energy	85	87	2	4.17%	4.86%	-14.2%
Lima, OH	AEP Ohio (Ohio Power Company)	86	86	0	4.48%	4.70%	-4.7%
Jackson, MS	Entergy Mississippi, Inc.	87	85	-2	4.50%	4.25%	5.9%

Note: The percent of household income was calculated by dividing the annual bill by the median household income.

Data Source(s): 2023 Form EIA-861 Annual Electric Power Industry Report, Sales to Ultimate Customers; United States Census Bureau American Community Survey 5-Year Estimates (2019-2023)



Competitive Market Study: Appendix

Table 31: Average Monthly Residential Bill - States			
State	Electric Market	Rank	Average Monthly Bill
Utah	Non Retail Choice	1	\$84.97
New Mexico	Non Retail Choice	2	\$91.20
Colorado	Non Retail Choice	3	\$94.65
Wyoming	Non Retail Choice	4	\$99.24
District of Columbia	Retail Choice	5	\$103.85
Illinois	Retail Choice	6	\$105.11
Idaho	Non Retail Choice	7	\$106.65
Washington	Non Retail Choice	8	\$107.35
Montana	Retail Choice	9	\$109.50
Minnesota	Non Retail Choice	10	\$110.78
Wisconsin	Non Retail Choice	11	\$111.06
Nebraska	Non Retail Choice	12	\$111.52
Iowa	Non Retail Choice	13	\$112.60
New Jersey	Retail Choice	14	\$113.21
Michigan	Retail Choice	15	\$113.62
Vermont	Non Retail Choice	16	\$117.11
Oregon	Non Retail Choice	17	\$117.66
North Dakota	Non Retail Choice	18	\$117.69
Kansas	Non Retail Choice	19	\$117.91
Ohio	Retail Choice	20	\$124.68
Kentucky	Non Retail Choice	21	\$125.80
New York	Retail Choice	22	\$125.80
Missouri	Non Retail Choice	23	\$126.09
South Dakota	Non Retail Choice	24	\$126.31
North Carolina	Non Retail Choice	25	\$127.79
Arkansas	Non Retail Choice	26	\$128.51
Oklahoma	Non Retail Choice	27	\$129.10
Indiana	Non Retail Choice	28	\$130.90
Tennessee	Non Retail Choice	29	\$135.22
Alaska	Non Retail Choice	30	\$137.88
Delaware	Retail Choice	31	\$138.04
West Virginia	Non Retail Choice	32	\$138.56
South Carolina	Non Retail Choice	33	\$139.91
Virginia	Non Retail Choice	34	\$141.63
Georgia	Non Retail Choice	35	\$141.67
Louisiana	Non Retail Choice	36	\$142.96
Pennsylvania	Retail Choice	37	\$143.10
California	Retail Choice	38	\$144.81
Nevada	Non Retail Choice	39	\$145.62
Arizona	Non Retail Choice	40	\$148.44
Maryland	Retail Choice	41	\$148.45
Rhode Island	Retail Choice	42	\$149.78
Mississippi	Non Retail Choice	43	\$153.07
Maine	Retail Choice	44	\$153.56
Alabama	Non Retail Choice	45	\$162.67
Massachusetts	Retail Choice	46	\$165.55
Texas	Retail Choice	47	\$165.82
Florida	Non Retail Choice	48	\$168.35
New Hampshire	Retail Choice	49	\$168.79
Connecticut	Retail Choice	50	\$202.74
Hawaii	Non Retail Choice	51	\$213.23

Data Source(s): 2023 Form EIA-861 Annual Electric Power Industry Report, Sales to Ultimate Customers; United States Census Bureau American Community Survey 5-Year Estimates (2019-2023); APPA Retail Electric Rates in Deregulated and Regulated States, 2023 Update



Competitive Market Study: Appendix

Table 32: Residential Average Cost per Day - States			
State	Electric Market	Rank	Average Cost Per Day
Utah	Non Retail Choice	1	\$2.79
New Mexico	Non Retail Choice	2	\$3.00
Colorado	Non Retail Choice	3	\$3.11
Wyoming	Non Retail Choice	4	\$3.26
District of Columbia	Retail Choice	5	\$3.41
Illinois	Retail Choice	6	\$3.46
Idaho	Non Retail Choice	7	\$3.51
Washington	Non Retail Choice	8	\$3.53
Montana	Retail Choice	9	\$3.60
Minnesota	Non Retail Choice	10	\$3.64
Wisconsin	Non Retail Choice	11	\$3.65
Nebraska	Non Retail Choice	12	\$3.67
Iowa	Non Retail Choice	13	\$3.70
New Jersey	Retail Choice	14	\$3.72
Michigan	Retail Choice	15	\$3.74
Vermont	Non Retail Choice	16	\$3.85
North Dakota	Non Retail Choice	17	\$3.87
Oregon	Non Retail Choice	17	\$3.87
Kansas	Non Retail Choice	19	\$3.88
Ohio	Retail Choice	20	\$4.10
New York	Retail Choice	21	\$4.14
Kentucky	Non Retail Choice	21	\$4.14
Missouri	Non Retail Choice	23	\$4.15
South Dakota	Non Retail Choice	23	\$4.15
North Carolina	Non Retail Choice	25	\$4.20
Arkansas	Non Retail Choice	26	\$4.22
Oklahoma	Non Retail Choice	27	\$4.24
Indiana	Non Retail Choice	28	\$4.30
Tennessee	Non Retail Choice	29	\$4.45
Alaska	Non Retail Choice	30	\$4.53
Delaware	Retail Choice	31	\$4.54
West Virginia	Non Retail Choice	32	\$4.56
South Carolina	Non Retail Choice	33	\$4.60
Georgia	Non Retail Choice	34	\$4.66
Virginia	Non Retail Choice	34	\$4.66
Pennsylvania	Retail Choice	36	\$4.70
Louisiana	Non Retail Choice	36	\$4.70
California	Retail Choice	38	\$4.76
Nevada	Non Retail Choice	39	\$4.79
Maryland	Retail Choice	40	\$4.88
Arizona	Non Retail Choice	40	\$4.88
Rhode Island	Retail Choice	42	\$4.92
Mississippi	Non Retail Choice	43	\$5.03
Maine	Retail Choice	44	\$5.05
Alabama	Non Retail Choice	45	\$5.35
Massachusetts	Retail Choice	46	\$5.44
Texas	Retail Choice	47	\$5.45
Florida	Non Retail Choice	48	\$5.53
New Hampshire	Retail Choice	49	\$5.55
Connecticut	Retail Choice	50	\$6.67
Hawaii	Non Retail Choice	51	\$7.01

Data Source(s): 2023 Form EIA-861 Annual Electric Power Industry Report, Sales to Ultimate Customers; United States Census Bureau American Community Survey 5-Year Estimates (2019-2023); APPA Retail Electric Rates in Deregulated and Regulated States, 2023 Update



Competitive Market Study: Appendix

Table 33: Residential Electric Bill Percent of Household Income - States			
State	Electric Market	Rank	% of Household Income
Utah	Non Retail Choice	1	1.11%
District of Columbia	Retail Choice	2	1.17%
Colorado	Non Retail Choice	3	1.23%
New Jersey	Retail Choice	4	1.34%
Washington	Non Retail Choice	5	1.36%
Minnesota	Non Retail Choice	6	1.52%
Illinois	Retail Choice	7	1.54%
Wyoming	Non Retail Choice	8	1.59%
Idaho	Non Retail Choice	9	1.71%
Maryland	Retail Choice	10	1.75%
New Mexico	Non Retail Choice	11	1.76%
Wisconsin	Non Retail Choice	11	1.76%
Oregon	Non Retail Choice	11	1.76%
Nebraska	Non Retail Choice	14	1.78%
New York	Retail Choice	14	1.78%
Vermont	Non Retail Choice	16	1.80%
California	Retail Choice	16	1.80%
Alaska	Non Retail Choice	18	1.85%
Iowa	Non Retail Choice	18	1.85%
North Dakota	Non Retail Choice	20	1.86%
Virginia	Non Retail Choice	21	1.87%
Montana	Retail Choice	22	1.88%
Michigan	Retail Choice	23	1.92%
Kansas	Non Retail Choice	24	1.95%
Massachusetts	Retail Choice	25	1.96%
Delaware	Retail Choice	26	2.00%
Rhode Island	Retail Choice	27	2.08%
South Dakota	Non Retail Choice	28	2.09%
New Hampshire	Retail Choice	29	2.12%
Ohio	Retail Choice	30	2.15%
North Carolina	Non Retail Choice	31	2.19%
Missouri	Non Retail Choice	32	2.20%
Indiana	Non Retail Choice	33	2.24%
Pennsylvania	Retail Choice	34	2.26%
Georgia	Non Retail Choice	35	2.28%
Nevada	Non Retail Choice	36	2.31%
Arizona	Non Retail Choice	37	2.32%
Kentucky	Non Retail Choice	38	2.42%
Tennessee	Non Retail Choice	38	2.42%
Oklahoma	Non Retail Choice	40	2.44%
South Carolina	Non Retail Choice	41	2.51%
Maine	Retail Choice	42	2.57%
Connecticut	Retail Choice	43	2.59%
Hawaii	Non Retail Choice	44	2.60%
Texas	Retail Choice	45	2.61%
Arkansas	Non Retail Choice	46	2.62%
Florida	Non Retail Choice	47	2.82%
Louisiana	Non Retail Choice	48	2.86%
West Virginia	Non Retail Choice	49	2.87%
Alabama	Non Retail Choice	50	3.15%
Mississippi	Non Retail Choice	51	3.34%

Data Source(s): 2023 Form EIA-861 Annual Electric Power Industry Report, Sales to Ultimate Customers; United States Census Bureau American Community Survey 5-Year Estimates (2019-2023); APPA Retail Electric Rates in Deregulated and Regulated States, 2023 Update



Competitive Market Study: Appendix

Table 34: System Average Interruption Duration Index (SAIDI) with Major Event Days - Cities

City/State	Utility Name	Utility Type	Rank	SAIDI with MED (Minutes)
Lincoln, NE	Lincoln Electric System	Municipal	1	19.10
Fort Collins, CO	Platte River Power Authority	Municipal	2	19.87
Anaheim, CA	Anaheim Public Utilities	Municipal	3	28.35
Newark, NJ	Public Service Electric & Gas Company	Investor Owned	4	37.94
College Station, TX	College Station Utilities	Municipal	5	39.70
Lafayette, LA	Lafayette Utilities System	Municipal	6	41.73
Lansing, MI	Lansing Board of Water & Light	Municipal	7	42.62
Colorado Springs, CO	City of Colorado Springs	Municipal	8	45.85
Bowling Green, KY	Bowling Green Municipal Utilities	Municipal	9	48.34
Lakeland, FL	Lakeland Electric Utility	Municipal	10	52.57
Tacoma, WA	Tacoma Public Utilities	Municipal	11	55.16
Bridgeport, CT	United Illuminating Company	Investor Owned	12	56.00
Orlando, FL	Orlando Utilities Commission	Municipal	13	58.60
Farmingdale, NY	Long Island Power Authority	State	14	62.46
Fargo, ND	Northern States Power Company	Investor Owned	15	63.91
Madison, WI	Madison Gas & Electric Company	Investor Owned	16	63.97
Jacksonville, FL	JEA	Municipal	17	64.61
Huntsville, AL	City of Huntsville	Municipal	18	65.15
Riverside, CA	Riverside Electric Utility	Municipal	19	67.39
Myrtle Beach, SC	Santee Cooper	State	20	67.46
Kearney, NE	Nebraska Public Power District	Political Subdivision	21	69.74
Phoenix, AZ	Salt River Project	Political Subdivision	22	70.01
Washington, DC	Potomac Electric Power Company	Investor Owned	23	71.87
Cheyenne, WY	Cheyenne Light, Fuel & Power Company	Investor Owned	24	71.90
Las Vegas, NV	Nevada Power Company - NV Energy	Investor Owned	25	71.97
Gainesville, FL	Gainesville Regional Utilities	Municipal	26	78.38
Council Bluffs, IA	MidAmerican Energy	Investor Owned	27	80.00
Turlock, CA	Turlock Irrigation District	Political Subdivision	27	80.00
Sioux City, IA	MidAmerican Energy	Investor Owned	27	80.00
Des Moines, IA	MidAmerican Energy	Investor Owned	27	80.00
Omaha, NE	Omaha Public Power District	Political Subdivision	31	80.10
Sioux Falls, SD	Northern States Power Company	Investor Owned	32	81.48
Chicago, IL	Commonwealth Edison Company	Investor Owned	33	93.30
Seattle, WA	Seattle City Light	Municipal	34	95.70
Billings, MT	NorthWestern Energy (formerly Montana Power)	Investor Owned	35	102.52
Pawtucket, RI	Narragansett Electric Company	Investor Owned	36	104.59
Albuquerque, NM	Public Service Company of New Mexico	Investor Owned	37	105.99
Portland, OR	Portland General Electric Company	Investor Owned	38	109.00
Denver, CO	Xcel Energy (Public Service Company of Colorado)	Investor Owned	39	112.82
Wilmington, DE	Delmarva Power	Investor Owned	40	122.00
High Point, NC	High Point Electric Utility Department	Municipal	41	123.00
Salt Lake City, UT	PacifiCorp	Investor Owned	42	129.76
Boise, ID	Idaho Power Company	Investor Owned	43	130.39
Honolulu, HI	Hawaiian Electric Company	Investor Owned	44	149.46
Allentown, PA	PPL Electric Utilities	Investor Owned	45	149.70
Imperial, CA	Imperial Irrigation District - Energy	Political Subdivision	46	164.42
Minneapolis, MN	Xcel Energy (Northern States Power Co. - Minnesota)	Investor Owned	47	168.41
San Antonio, TX	CPS Energy	Municipal	48	169.65
Dayton, OH	AES Ohio (formerly DP&L)	Investor Owned	49	170.47
Springfield, MO	City Utilities of Springfield	Municipal	50	186.79
Anchorage, AK	Chugach Electric Association Incorporated	Cooperative	51	189.10
Cambridge, MA	Eversource (Formerly Cambridge Electric Company)	Investor Owned	52	189.80
Springfield, MA	Eversource (Formerly Western Massachusetts Electric)	Investor Owned	52	189.80
Boston, MA	Eversource (Formerly Boston Edison Company)	Investor Owned	52	189.80



Competitive Market Study: Appendix

Table 34: System Average Interruption Duration Index (SAIDI) with Major Event Days - Cities				
City/State	Utility Name	Utility Type	Rank	SAIDI with MED (Minutes)
Richmond, VA	Dominion Virginia Power	Investor Owned	55	190.20
Baltimore, MD	Baltimore Gas & Electric Company	Investor Owned	56	191.04
Wichita, KS	Eergy (Formerly Westar Energy Inc)	Investor Owned	57	197.93
Baton Rouge, LA	Entergy Louisiana, LLC	Investor Owned	58	225.60
Greenville, SC	Duke Energy	Investor Owned	59	254.11
Milwaukee, WI	We Energies (formerly Wisconsin Electric)	Investor Owned	60	272.00
Auburn, AL	Alabama Power	Investor Owned	61	302.30
Sacramento, CA	Sacramento Municipal Util Dist	Political Subdivision	62	318.20
Lima, OH	AEP Ohio (Ohio Power Company)	Investor Owned	63	326.10
Reno, NV	Sierra Pacific Power Company - NV Energy	Investor Owned	64	327.33
Toledo, OH	Toledo Edison - FirstEnergy Corp.	Investor Owned	65	331.42
Greensboro, NC	Duke Energy	Investor Owned	66	342.74
Tallahassee, FL	City of Tallahassee Electric Utility	Municipal	67	352.61
Savannah, GA	Georgia Power	Investor Owned	68	365.14
Kansas City, MO	Eergy (Kansas City Power & Light Co.)	Investor Owned	69	387.46
Oklahoma City, OK	Oklahoma Gas & Electric Company	Investor Owned	70	397.47
Evansville, IN	Southern Indiana Gas & Electric Company	Investor Owned	71	450.50
Indianapolis, IN	Indianapolis Power & Light Company	Investor Owned	72	466.75
Manchester, NH	Public Service Company of New Hampshire	Investor Owned	73	668.50
Kansas City, KS	Kansas City Board of Public Utilities	Municipal	74	738.59
Lexington, KY	Kentucky Utilities Company	Investor Owned	75	905.38
Charleston, WV	AEP (Appalachian Power Rate Area)	Investor Owned	76	949.80
Jackson, MS	Entergy Mississippi, Inc.	Investor Owned	77	1,201.20
Little Rock, AR	Entergy Arkansas, Inc.	Investor Owned	78	1,211.80
Nashville, TN	Nashville Electric Service	Municipal	79	1,312.33
Portland, ME	Central Maine Power Co	Investor Owned	80	1,656.50
Tulsa, OK	Public Service Company of Oklahoma	Investor Owned	81	2,037.50
Austin, TX	Austin Energy	Municipal	82	3,265.45

Note: SAIDI values with MED rankings don't include TXU Energy, Reliant Energy, and City Burlington Electric as they do not report these values to EIA.

SAIDI values with MED rankings also exclude Chugach Electric Association Incorporated.

Data Source(s): 2023 Form EIA-861 Annual Electric Power Industry Report, Reliability



Competitive Market Study: Appendix

Table 35: System Average Interruption Duration Index (SAIDI) without Major Event Days - Cities

City/State	Utility Name	Utility Type	Rank	SAIDI without MED (Minutes)
College Station, TX	College Station Utilities	Municipal	1	16.80
Lincoln, NE	Lincoln Electric System	Municipal	2	19.10
Fort Collins, CO	Platte River Power Authority	Municipal	3	19.87
Lafayette, LA	Lafayette Utilities System	Municipal	4	20.42
Madison, WI	Madison Gas & Electric Company	Investor Owned	5	23.55
Anaheim, CA	Anaheim Public Utilities	Municipal	6	28.35
Washington, DC	Potomac Electric Power Company	Investor Owned	7	33.25
Chicago, IL	Commonwealth Edison Company	Investor Owned	8	35.04
Cheyenne, WY	Cheyenne Light, Fuel & Power Company	Investor Owned	9	35.43
Newark, NJ	Public Service Electric & Gas Company	Investor Owned	10	35.65
Lansing, MI	Lansing Board of Water & Light	Municipal	11	42.62
Bridgeport, CT	United Illuminating Company	Investor Owned	12	43.00
Colorado Springs, CO	City of Colorado Springs	Municipal	13	45.85
Myrtle Beach, SC	Santee Cooper	State	14	46.93
Bowling Green, KY	Bowling Green Municipal Utilities	Municipal	15	48.34
Phoenix, AZ	Salt River Project	Political Subdivision	16	49.20
Lakeland, FL	Lakeland Electric Utility	Municipal	17	51.98
Pawtucket, RI	Narragansett Electric Company	Investor Owned	18	52.23
Las Vegas, NV	Nevada Power Company - NV Energy	Investor Owned	19	53.72
Orlando, FL	Orlando Utilities Commission	Municipal	20	54.70
Tacoma, WA	Tacoma Public Utilities	Municipal	21	55.16
Fargo, ND	Northern States Power Company	Investor Owned	22	56.59
Omaha, NE	Omaha Public Power District	Political Subdivision	23	57.90
Des Moines, IA	MidAmerican Energy	Investor Owned	24	59.00
Sioux City, IA	MidAmerican Energy	Investor Owned	24	59.00
Council Bluffs, IA	MidAmerican Energy	Investor Owned	24	59.00
Farmingdale, NY	Long Island Power Authority	State	27	59.29
Wilmington, DE	Delmarva Power	Investor Owned	28	60.00
Baltimore, MD	Baltimore Gas & Electric Company	Investor Owned	29	60.44
Riverside, CA	Riverside Electric Utility	Municipal	30	60.63
Turlock, CA	Turlock Irrigation District	Political Subdivision	31	61.00
San Antonio, TX	CPS Energy	Municipal	32	61.19
Springfield, MO	City Utilities of Springfield	Municipal	33	61.26
Jacksonville, FL	JEA	Municipal	34	64.61
Huntsville, AL	City of Huntsville	Municipal	35	65.15
High Point, NC	High Point Electric Utility Department	Municipal	36	65.80
Gainesville, FL	Gainesville Regional Utilities	Municipal	37	68.92
Kearney, NE	Nebraska Public Power District	Political Subdivision	38	69.74
Imperial, CA	Imperial Irrigation District - Energy	Political Subdivision	39	70.70
Lexington, KY	Kentucky Utilities Company	Investor Owned	40	74.59
Cambridge, MA	Eversource (Formerly Cambridge Electric Company)	Investor Owned	41	75.60
Boston, MA	Eversource (Formerly Boston Edison Company)	Investor Owned	41	75.60
Sacramento, CA	Sacramento Municipal Util Dist	Political Subdivision	41	75.60
Springfield, MA	Eversource (Formerly Western Massachusetts Electric)	Investor Owned	41	75.60
Evansville, IN	Southern Indiana Gas & Electric Company	Investor Owned	45	79.80
Toledo, OH	Toledo Edison - FirstEnergy Corp.	Investor Owned	46	79.90
Sioux Falls, SD	Northern States Power Company	Investor Owned	47	81.48
Minneapolis, MN	Xcel Energy (Northern States Power Co. - Minnesota)	Investor Owned	48	83.46
Manchester, NH	Public Service Company of New Hampshire	Investor Owned	49	83.70
Austin, TX	Austin Energy	Municipal	50	83.75
Milwaukee, WI	We Energies (formerly Wisconsin Electric)	Investor Owned	51	85.00
Indianapolis, IN	Indianapolis Power & Light Company	Investor Owned	52	86.69
Kansas City, MO	Eversource (Kansas City Power & Light Co.)	Investor Owned	53	90.20
Allentown, PA	PPL Electric Utilities	Investor Owned	54	91.50



Competitive Market Study: Appendix

Table 35: System Average Interruption Duration Index (SAIDI) without Major Event Days - Cities

City/State	Utility Name	Utility Type	Rank	SAIDI without MED (Minutes)
Albuquerque, NM	Public Service Company of New Mexico	Investor Owned	55	92.17
Seattle, WA	Seattle City Light	Municipal	56	95.70
Dayton, OH	AES Ohio (formerly DP&L)	Investor Owned	57	96.20
Wichita, KS	Evergy (Formerly Westar Energy Inc)	Investor Owned	58	96.72
Billings, MT	NorthWestern Energy (formerly Montana Power)	Investor Owned	59	102.52
Denver, CO	Xcel Energy (Public Service Company of Colorado)	Investor Owned	60	104.20
Auburn, AL	Alabama Power	Investor Owned	61	104.80
Tulsa, OK	Public Service Company of Oklahoma	Investor Owned	62	106.80
Portland, OR	Portland General Electric Company	Investor Owned	63	109.00
Salt Lake City, UT	PacifiCorp	Investor Owned	64	109.95
Honolulu, HI	Hawaiian Electric Company	Investor Owned	65	115.58
Boise, ID	Idaho Power Company	Investor Owned	66	119.71
Richmond, VA	Dominion Virginia Power	Investor Owned	67	123.32
Oklahoma City, OK	Oklahoma Gas & Electric Company	Investor Owned	68	130.89
Savannah, GA	Georgia Power	Investor Owned	69	139.61
Nashville, TN	Nashville Electric Service	Municipal	70	143.71
Lima, OH	AEP Ohio (Ohio Power Company)	Investor Owned	71	147.60
Reno, NV	Sierra Pacific Power Company - NV Energy	Investor Owned	72	162.27
Kansas City, KS	Kansas City Board of Public Utilities	Municipal	73	175.80
Baton Rouge, LA	Entergy Louisiana, LLC	Investor Owned	74	179.30
Portland, ME	Central Maine Power Co	Investor Owned	75	190.30
Greensboro, NC	Duke Energy	Investor Owned	76	197.10
Greenville, SC	Duke Energy	Investor Owned	77	202.59
Little Rock, AR	Entergy Arkansas, Inc.	Investor Owned	78	284.70
Jackson, MS	Entergy Mississippi, Inc.	Investor Owned	79	291.40

Note: SAIDI values without MED rankings don't include TXU Energy, Reliant Energy, and City Burlington Electric as they do not report these values to EIA. SAIDI values without MED rankings also exclude City Utilities of Springfield, and City of Tallahassee Electric Utility.
Data Source(s): 2023 Form EIA-861 Annual Electric Power Industry Report, Reliability



Competitive Market Study: Appendix

Table 36: System Average Interruption Duration Index (SAIDI) with Major Event Days Rank Changes - Cities

City	Utility	Current Year Rank	Prior Year Rank	Rank Change	SAIDI with MED (Minutes)	SAIDI with MED (Minutes) PY	SAIDI with MED Percent Change
Lincoln, NE	Lincoln Electric System	1	2	1	19.10	16.54	15.5%
Fort Collins, CO	Platte River Power Authority	2	3	1	19.87	22.29	-10.9%
Anaheim, CA	Anaheim Public Utilities	3	4	1	28.35	25.49	11.2%
Newark, NJ	Public Service Electric & Gas Company	4	7	3	37.94	33.94	11.8%
College Station, TX	College Station Utilities	5	8	3	39.70	39.10	1.5%
Lafayette, LA	Lafayette Utilities System	6	5	-1	41.73	29.04	43.7%
Lansing, MI	Lansing Board of Water & Light	7	35	28	42.62	110.18	-61.3%
Colorado Springs, CO	City of Colorado Springs	8	9	1	45.85	42.27	8.5%
Bowling Green, KY	Bowling Green Municipal Utilities	9	13	4	48.34	51.56	-6.2%
Lakeland, FL	Lakeland Electric Utility	10	29	19	52.57	88.21	-40.4%
Tacoma, WA	Tacoma Public Utilities	11	46	35	55.16	152.26	-63.8%
Bridgeport, CT	United Illuminating Company	12	12	0	56.00	50.00	12.0%
Orlando, FL	Orlando Utilities Commission	13	15	2	58.60	52.70	11.2%
Farmingdale, NY	Long Island Power Authority	14	17	3	62.46	62.42	0.1%
Fargo, ND	Northern States Power Company	15	24	9	63.91	78.11	-18.2%
Madison, WI	Madison Gas & Electric Company	16	36	20	63.97	110.27	-42.0%
Jacksonville, FL	JEA	17	14	-3	64.61	52.24	23.7%
Huntsville, AL	City of Huntsville	18	18	0	65.15	63.30	2.9%
Riverside, CA	Riverside Electric Utility	19	25	6	67.39	78.68	-14.3%
Myrtle Beach, SC	Santee Cooper	20	62	42	67.46	219.58	-69.3%
Kearney, NE	Nebraska Public Power District	21	41	20	69.74	132.53	-47.4%
Phoenix, AZ	Salt River Project	22	26	4	70.01	81.42	-14.0%
Washington, DC	Potomac Electric Power Company	23	6	-17	71.87	33.69	113.3%
Cheyenne, WY	Cheyenne Light, Fuel & Power Company	24	11	-13	71.90	49.42	45.5%
Las Vegas, NV	Nevada Power Company - NV Energy	25	16	-9	71.97	62.09	15.9%
Gainesville, FL	Gainesville Regional Utilities	26	22	-4	78.38	72.55	8.0%
Council Bluffs, IA	MidAmerican Energy	27	32	5	80.00	99.00	-19.2%
Turlock, CA	Turlock Irrigation District	27	31	4	80.00	95.00	-15.8%
Sioux City, IA	MidAmerican Energy	27	32	5	80.00	99.00	-19.2%
Des Moines, IA	MidAmerican Energy	27	32	5	80.00	99.00	-19.2%
Omaha, NE	Omaha Public Power District	31	19	-12	80.10	63.80	25.5%
Sioux Falls, SD	Northern States Power Company	32	73	41	81.48	465.94	-82.5%
Chicago, IL	Commonwealth Edison Company	33	21	-12	93.30	65.80	41.8%
Seattle, WA	Seattle City Light	34	42	8	95.70	138.60	-31.0%
Billings, MT	NorthWestern Energy (formerly Montana Power)	35	40	5	102.52	132.08	-22.4%
Pawtucket, RI	Narragansett Electric Company	36	27	-9	104.59	81.94	27.6%
Albuquerque, NM	Public Service Company of New Mexico	37	48	11	105.99	159.17	-33.4%
Portland, OR	Portland General Electric Company	38	69	31	109.00	349.00	-68.8%
Denver, CO	Xcel Energy (Public Service Company of Colorado)	39	52	13	112.82	173.66	-35.0%
Wilmington, DE	Delmarva Power	40	23	-17	122.00	78.00	56.4%
High Point, NC	High Point Electric Utility Department	41	68	27	123.00	326.28	-62.3%
Salt Lake City, UT	PacifiCorp	42	37	-5	129.76	111.69	16.2%
Boise, ID	Idaho Power Company	43	47	4	130.39	152.45	-14.5%
Honolulu, HI	Hawaiian Electric Company	44	30	-14	149.46	92.72	61.2%
Allentown, PA	PPL Electric Utilities	45	43	-2	149.70	145.60	2.8%
Imperial, CA	Imperial Irrigation District - Energy	46	20	-26	164.42	64.52	154.8%
Minneapolis, MN	Xcel Energy (Northern States Power Co. - Minnesota)	47	55	8	168.41	184.18	-8.6%
San Antonio, TX	CPS Energy	48	39	-9	169.65	123.70	37.1%
Dayton, OH	AES Ohio (formerly DP&L)	49	54	5	170.47	182.02	-6.3%
Springfield, MO	City Utilities of Springfield	50	10	-40	186.79	43.99	324.6%



Competitive Market Study: Appendix

Table 36: System Average Interruption Duration Index (SAIDI) with Major Event Days Rank Changes - Cities

City	Utility	Current Year Rank	Prior Year Rank	Rank Change	SAIDI with MED (Minutes)	SAIDI with MED (Minutes) PY	SAIDI with MED Percent Change
Anchorage, AK	Chugach Electric Association Incorporated	51	45	-6	189.10	150.80	25.4%
Cambridge, MA	Eversource (Formerly Cambridge Electric Company)	52	56	4	189.80	196.70	-3.5%
Springfield, MA	Eversource (Formerly Western Massachusetts Electric)	52	56	4	189.80	196.70	-3.5%
Boston, MA	Eversource (Formerly Boston Edison Company)	52	56	4	189.80	196.70	-3.5%
Richmond, VA	Dominion Virginia Power	55	71	16	190.20	421.48	-54.9%
Baltimore, MD	Baltimore Gas & Electric Company	56	67	11	191.04	305.86	-37.5%
Wichita, KS	Evergy (Formerly Westar Energy Inc)	57	51	-6	197.93	170.97	15.8%
Baton Rouge, LA	Entergy Louisiana, LLC	58	65	7	225.60	271.20	-16.8%
Greenville, SC	Duke Energy	59	70	11	254.11	371.75	-31.6%
Milwaukee, WI	We Energies (formerly Wisconsin Electric)	60	66	6	272.00	279.00	-2.5%
Auburn, AL	Alabama Power	61	64	3	302.30	227.20	33.1%
Sacramento, CA	Sacramento Municipal Util Dist	62	53	-9	318.20	175.80	81.0%
Lima, OH	AEP Ohio (Ohio Power Company)	63	78	15	326.10	595.30	-45.2%
Reno, NV	Sierra Pacific Power Company - NV Energy	64	76	12	327.33	536.48	-39.0%
Toledo, OH	Toledo Edison - FirstEnergy Corp.	65	50	-15	331.42	165.57	100.2%
Greensboro, NC	Duke Energy	66	74	8	342.74	474.38	-27.7%
Tallahassee, FL	City of Tallahassee Electric Utility	67	1	-66	352.61	13.88	2439.7%
Savannah, GA	Georgia Power	68	63	-5	365.14	227.00	60.9%
Kansas City, MO	Evergy (Kansas City Power & Light Co.)	69	61	-8	387.46	215.56	79.7%
Oklahoma City, OK	Oklahoma Gas & Electric Company	70	60	-10	397.47	202.63	96.2%
Evansville, IN	Southern Indiana Gas & Electric Company	71	72	1	450.50	454.30	-0.8%
Indianapolis, IN	Indianapolis Power & Light Company	72	44	-28	466.75	147.26	217.0%
Manchester, NH	Public Service Company of New Hampshire	73	77	4	668.50	552.20	21.1%
Kansas City, KS	Kansas City Board of Public Utilities	74	59	-15	738.59	200.40	268.6%
Lexington, KY	Kentucky Utilities Company	75	49	-26	905.38	160.04	465.7%
Charleston, WV	AEP (Appalachian Power Rate Area)	76	82	6	949.80	1220.10	-22.2%
Jackson, MS	Entergy Mississippi, Inc.	77	80	3	1201.20	734.80	63.5%
Little Rock, AR	Entergy Arkansas, Inc.	78	79	1	1211.80	633.40	91.3%
Nashville, TN	Nashville Electric Service	79	75	-4	1312.33	476.46	175.4%
Portland, ME	Central Maine Power Co	80	81	1	1656.50	856.40	93.4%
Tulsa, OK	Public Service Company of Oklahoma	81	38	-43	2037.50	122.80	1559.2%
Austin, TX	Austin Energy	82	28	-54	3265.45	85.12	3736.3%

Note: SAIDI values with MED rankings don't include TXU Energy, Reliant Energy, and City Burlington Electric as they do not report these values to EIA. SAIDI values with MED rankings also exclude Chugach Electric Association Incorporated.

Data Source(s): 2023 Form EIA-861 Annual Electric Power Industry Report, Reliability; APPA Retail Electric Rates in Deregulated and Regulated States Report, 2023 Update



Competitive Market Study: Appendix

Table 37: System Average Interruption Duration Index (SAIDI) without Major Event Days Rank Changes - Cities

City	Utility	Current Year Rank	Prior Year Rank	Rank Change	SAIDI without MED (Minutes)	SAIDI without MED (Minutes)	SAIDI without MED Percent Change
College Station, TX	College Station Utilities	1	2	1	16.80	18.00	-6.7%
Lincoln, NE	Lincoln Electric System	2	1	-1	19.10	13.76	38.8%
Fort Collins, CO	Platte River Power Authority	3	4	1	19.87	22.29	-10.9%
Lafayette, LA	Lafayette Utilities System	4	5	1	20.42	22.87	-10.7%
Madison, WI	Madison Gas & Electric Company	5	3	-2	23.55	22.27	5.7%
Anaheim, CA	Anaheim Public Utilities	6	7	1	28.35	25.49	11.2%
Washington, DC	Potomac Electric Power Company	7	8	1	33.25	26.33	26.3%
Chicago, IL	Commonwealth Edison Company	8	11	3	35.04	37.64	-6.9%
Cheyenne, WY	Cheyenne Light, Fuel & Power Company	9	13	4	35.43	42.01	-15.7%
Newark, NJ	Public Service Electric & Gas Company	10	9	-1	35.65	33.94	5.0%
Lansing, MI	Lansing Board of Water & Light	11	57	46	42.62	110.18	-61.3%
Bridgeport, CT	United Illuminating Company	12	12	0	43.00	39.00	10.3%
Colorado Springs, CO	City of Colorado Springs	13	10	-3	45.85	36.24	26.5%
Myrtle Beach, SC	Santee Cooper	14	6	-8	46.93	23.70	98.0%
Bowling Green, KY	Bowling Green Municipal Utilities	15	16	1	48.34	51.56	-6.2%
Phoenix, AZ	Salt River Project	16	15	-1	49.20	49.90	-1.4%
Lakeland, FL	Lakeland Electric Utility	17	35	18	51.98	73.36	-29.1%
Pawtucket, RI	Narragansett Electric Company	18	25	7	52.23	63.20	-17.4%
Las Vegas, NV	Nevada Power Company - NV Energy	19	17	-2	53.72	52.15	3.0%
Orlando, FL	Orlando Utilities Commission	20	14	-6	54.70	46.40	17.9%
Tacoma, WA	Tacoma Public Utilities	21	37	16	55.16	76.19	-27.6%
Fargo, ND	Northern States Power Company	22	30	8	56.59	67.86	-16.6%
Omaha, NE	Omaha Public Power District	23	27	4	57.90	63.80	-9.2%
Des Moines, IA	MidAmerican Energy	24	41	17	59.00	81.00	-27.2%
Sioux City, IA	MidAmerican Energy	24	41	17	59.00	81.00	-27.2%
Council Bluffs, IA	MidAmerican Energy	24	41	17	59.00	81.00	-27.2%
Farmingdale, NY	Long Island Power Authority	27	22	-5	59.29	55.99	5.9%
Wilmington, DE	Delmarva Power	28	28	0	60.00	65.00	-7.7%
Baltimore, MD	Baltimore Gas & Electric Company	29	44	15	60.44	83.43	-27.6%
Riverside, CA	Riverside Electric Utility	30	36	6	60.63	73.50	-17.5%
Turlock, CA	Turlock Irrigation District	31	31	0	61.00	68.00	-10.3%
San Antonio, TX	CPS Energy	32	24	-8	61.19	59.81	2.3%
Springfield, MO	City Utilities of Springfield	33			61.26		
Jacksonville, FL	JEA	34	18	-16	64.61	52.24	23.7%
Huntsville, AL	City of Huntsville	35	26	-9	65.15	63.30	2.9%
High Point, NC	High Point Electric Utility Department	36	74	38	65.80	182.16	-63.9%
Gainesville, FL	Gainesville Regional Utilities	37	19	-18	68.92	52.62	31.0%
Kearney, NE	Nebraska Public Power District	38	38	0	69.74	77.95	-10.5%
Imperial, CA	Imperial Irrigation District - Energy	39	21	-18	70.70	54.53	29.7%
Lexington, KY	Kentucky Utilities Company	40	39	-1	74.59	78.53	-5.0%
Cambridge, MA	Eversource (Formerly Cambridge Electric Company)	41	32	-9	75.60	68.50	10.4%
Boston, MA	Eversource (Formerly Boston Edison Company)	41	32	-9	75.60	68.50	10.4%
Sacramento, CA	Sacramento Municipal Util Dist	41	20	-21	75.60	53.70	40.8%
Springfield, MA	Eversource (Formerly Western Massachusetts Electric)	41	32	-9	75.60	68.50	10.4%
Evansville, IN	Southern Indiana Gas & Electric Company	45	52	7	79.80	103.40	-22.8%
Toledo, OH	Toledo Edison - FirstEnergy Corp.	46	48	2	79.90	95.44	-16.3%
Sioux Falls, SD	Northern States Power Company	47	23	-24	81.48	57.94	40.6%
Minneapolis, MN	Xcel Energy (Northern States Power Co. - Minnesota)	48	47	-1	83.46	89.99	-7.3%
Manchester, NH	Public Service Company of New Hampshire	49	40	-9	83.70	78.80	6.2%
Austin, TX	Austin Energy	50	29	-21	83.75	67.69	23.7%



Competitive Market Study: Appendix

Table 37: System Average Interruption Duration Index (SAIDI) without Major Event Days Rank Changes - Cities

City	Utility	Current Year Rank	Prior Year Rank	Rank Change	SAIDI without MED (Minutes)	SAIDI without MED (Minutes)	SAIDI without MED Percent Change
Milwaukee, WI	We Energies (formerly Wisconsin Electric)	51	63	12	85.00	121.00	-29.8%
Indianapolis, IN	Indianapolis Power & Light Company	52	60	8	86.69	112.49	-22.9%
Kansas City, MO	Evergy (Kansas City Power & Light Co.)	53	58	5	90.20	111.27	-18.9%
Allentown, PA	PPL Electric Utilities	54	46	-8	91.50	89.30	2.5%
Albuquerque, NM	Public Service Company of New Mexico	55	50	-5	92.17	101.33	-9.0%
Seattle, WA	Seattle City Light	56	49	-7	95.70	101.20	-5.4%
Dayton, OH	AES Ohio (formerly DP&L)	57	54	-3	96.20	108.85	-11.6%
Wichita, KS	Evergy (Formerly Westar Energy Inc)	58	53	-5	96.72	106.32	-9.0%
Billings, MT	NorthWestern Energy (formerly Montana Power)	59	62	3	102.52	118.55	-13.5%
Denver, CO	Xcel Energy (Public Service Company of Colorado)	60	59	-1	104.20	111.81	-6.8%
Auburn, AL	Alabama Power	61	64	3	104.80	133.10	-21.3%
Tulsa, OK	Public Service Company of Oklahoma	62	55	-7	106.80	109.80	-2.7%
Portland, OR	Portland General Electric Company	63	61	-2	109.00	117.00	-6.8%
Salt Lake City, UT	PacifiCorp	64	51	-13	109.95	101.43	8.4%
Honolulu, HI	Hawaiian Electric Company	65	45	-20	115.58	85.89	34.6%
Boise, ID	Idaho Power Company	66	68	2	119.71	151.68	-21.1%
Richmond, VA	Dominion Virginia Power	67	65	-2	123.32	136.05	-9.4%
Oklahoma City, OK	Oklahoma Gas & Electric Company	68	70	2	130.89	163.39	-19.9%
Savannah, GA	Georgia Power	69	66	-3	139.61	142.45	-2.0%
Nashville, TN	Nashville Electric Service	70	56	-14	143.71	109.97	30.7%
Lima, OH	AEP Ohio (Ohio Power Company)	71	72	1	147.60	179.40	-17.7%
Reno, NV	Sierra Pacific Power Company - NV Energy	72	67	-5	162.27	151.32	7.2%
Kansas City, KS	Kansas City Board of Public Utilities	73	69	-4	175.80	155.91	12.8%
Baton Rouge, LA	Entergy Louisiana, LLC	74	76	2	179.30	233.80	-23.3%
Portland, ME	Central Maine Power Co	75	71	-4	190.30	172.49	10.3%
Greensboro, NC	Duke Energy	76	73	-3	197.10	181.67	8.5%
Greenville, SC	Duke Energy	77	75	-2	202.59	187.81	7.9%
Little Rock, AR	Entergy Arkansas, Inc.	78	78	0	284.70	393.60	-27.7%
Jackson, MS	Entergy Mississippi, Inc.	79	77	-2	291.40	331.20	-12.0%

Note: SAIDI values without MED rankings don't include TXU Energy, Reliant Energy, and City Burlington Electric as they do not report these values to EIA. SAIDI values without MED rankings also exclude City Utilities of Springfield, and City of Tallahassee Electric Utility.

Data Source(s): 2023 Form EIA-861 Annual Electric Power Industry Report, Reliability; APPA Retail Electric Rates in Deregulated and Regulated States Report, 2023 Update



Competitive Market Study: Appendix

Table 38: System Average Interruption Duration Index (SAIDI) with Major Events - States			
State	Electric Market	Rank	SAIDI with MED (Minutes)
District of Columbia	Retail Choice	1	71.87
Nebraska	Non Retail Choice	2	72.64
South Dakota	Non Retail Choice	3	77.00
Colorado	Non Retail Choice	4	99.15
Rhode Island	Retail Choice	5	104.59
Iowa	Non Retail Choice	6	104.93
Arizona	Non Retail Choice	7	106.84
Delaware	Retail Choice	8	108.15
New Jersey	Retail Choice	9	108.34
Montana	Retail Choice	10	118.67
Wyoming	Non Retail Choice	11	119.18
New York	Retail Choice	12	119.98
Minnesota	Non Retail Choice	13	126.38
Oregon	Non Retail Choice	14	126.89
Utah	Non Retail Choice	15	127.08
Idaho	Non Retail Choice	16	137.48
Nevada	Non Retail Choice	17	138.71
Washington	Non Retail Choice	18	151.67
Florida	Non Retail Choice	19	159.70
Connecticut	Retail Choice	20	164.64
Maryland	Retail Choice	21	166.22
South Carolina	Non Retail Choice	22	167.19
New Mexico	Non Retail Choice	23	168.93
Wisconsin	Non Retail Choice	24	183.01
Illinois	Retail Choice	25	208.21
North Dakota	Non Retail Choice	26	208.59
Virginia	Non Retail Choice	27	221.09
North Carolina	Non Retail Choice	28	252.00
Pennsylvania	Retail Choice	29	252.68
Massachusetts	Retail Choice	30	259.40
Kansas	Non Retail Choice	31	283.12
Alabama	Non Retail Choice	32	292.13
California	Retail Choice	33	346.21
Georgia	Non Retail Choice	34	349.23
Ohio	Retail Choice	35	366.24
Missouri	Non Retail Choice	36	371.82
Alaska	Non Retail Choice	37	374.85
Indiana	Non Retail Choice	38	455.43
Hawaii	Non Retail Choice	39	491.83
Texas	Retail Choice	40	496.21
Louisiana	Non Retail Choice	41	584.16
New Hampshire	Retail Choice	42	645.79
Vermont	Non Retail Choice	43	696.33
West Virginia	Non Retail Choice	44	751.49
Mississippi	Non Retail Choice	45	802.14
Tennessee	Non Retail Choice	46	857.93
Kentucky	Non Retail Choice	47	868.24
Oklahoma	Non Retail Choice	48	896.65
Arkansas	Non Retail Choice	49	911.24
Michigan	Retail Choice	50	1093.62
Maine	Retail Choice	51	1862.97

Note: State SAIDI values were calculated using reporting utilities SAIDI values weighted by the number of customers served in each utility.
 Data Source(s): 2022 Form EIA-861 Annual Electric Power Industry Report, Reliability; APPA Retail Electric Rates in Deregulated and Regulated States Report, 2022 Update



Competitive Market Study: Appendix

Table 39: System Average Interruption Duration Index (SAIDI) without Major Events - States			
State	Electric Market	Rank	SAIDI (Minutes)
District of Columbia	Retail Choice	1	33.25
Rhode Island	Retail Choice	2	52.23
Illinois	Retail Choice	3	54.71
Nebraska	Non Retail Choice	4	56.75
Delaware	Retail Choice	5	60.45
South Dakota	Non Retail Choice	6	61.64
Maryland	Retail Choice	7	66.92
Florida	Non Retail Choice	8	68.04
North Dakota	Non Retail Choice	9	68.75
Arizona	Non Retail Choice	10	69.28
Iowa	Non Retail Choice	11	69.48
New York	Retail Choice	12	69.85
Connecticut	Retail Choice	13	70.26
Wisconsin	Non Retail Choice	14	71.88
Minnesota	Non Retail Choice	15	72.00
Massachusetts	Retail Choice	16	81.14
Nevada	Non Retail Choice	17	81.20
Colorado	Non Retail Choice	18	88.43
New Jersey	Retail Choice	19	88.49
Wyoming	Non Retail Choice	20	89.30
Kansas	Non Retail Choice	21	101.68
Oregon	Non Retail Choice	22	105.09
Missouri	Non Retail Choice	23	106.30
Utah	Non Retail Choice	24	106.85
Indiana	Non Retail Choice	25	109.25
Montana	Retail Choice	26	110.67
Alabama	Non Retail Choice	27	118.53
Pennsylvania	Retail Choice	28	119.19
Idaho	Non Retail Choice	29	119.35
Texas	Retail Choice	30	123.61
New Hampshire	Retail Choice	31	124.64
South Carolina	Non Retail Choice	32	124.65
Washington	Non Retail Choice	33	126.06
New Mexico	Non Retail Choice	34	126.13
Ohio	Retail Choice	35	127.04
Alaska	Non Retail Choice	36	131.16
Georgia	Non Retail Choice	37	136.78
Oklahoma	Non Retail Choice	38	137.75
Hawaii	Non Retail Choice	39	138.28
Kentucky	Non Retail Choice	40	142.94
North Carolina	Non Retail Choice	41	149.04
California	Retail Choice	42	151.73
Virginia	Non Retail Choice	43	159.02
Michigan	Retail Choice	44	162.28
Tennessee	Non Retail Choice	45	180.25
Louisiana	Non Retail Choice	46	192.27
Vermont	Non Retail Choice	47	207.01
Arkansas	Non Retail Choice	48	221.67
Mississippi	Non Retail Choice	49	246.55
Maine	Retail Choice	50	247.37
West Virginia	Non Retail Choice	51	385.71

Note: State SAIDI values were calculated using reporting utilities SAIDI values weighted by the number of customers served in each utility.
Data Source(s): 2022 Form EIA-861 Annual Electric Power Industry Report, Reliability; APRA Retail Electric Rates in Deregulated and Regulated States Report, 2022 Update



9445 Rokeby Road | Lincoln, NE 68526-9788