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July 2, 2021

**VIA ELECTRONIC MAIL AND FIRST CLASS MAIL**

Luly E. Massaro, Commission Clerk  
Rhode Island Division of Public Utilities and Carriers  
89 Jefferson Boulevard  
Warwick, RI 02888

**Re: Petition of PPL Corporation, PPL Rhode Island Holdings, LLC, National Grid USA, and The Narragansett Electric Company for Authority to Transfer Ownership of The Narragansett Electric Company to PPL Rhode Island Holdings, LLC and Related Approvals**

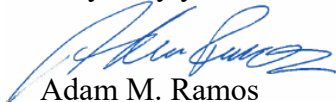
Dear Ms. Massaro:

Enclosed please find an original and four copies of PPL Corporation ("PPL") and PPL Rhode Island Holdings, LLC's ("PPL RI") Responses and Objections to the Division of Public Utilities and Carriers' Advocacy Section's Second Set of Data Requests, issued on June 11, 2021 (the "Second Set of Data Requests").

This filing includes PPL and PPL RI's partial responses to the Second Set of Data Requests, specifically 2-5, 2-6, 2-8, 2-12, 2-38, 2-41, 2-43, 2-47, 2-51 and 2-57. On July 2, 2021, the Division Advocacy Section granted an extension to July 9, 2021 as to the remaining requests, which will be provided on a rolling basis as they are complete.

Thank you for your attention to this matter. Please do not hesitate to contact me should you have any questions.

Very truly yours,



Adam M. Ramos

AMR:cw  
Enclosures

cc: Service List D-21-09 (via e-mail only)



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July 6, 2021

**VIA ELECTRONIC MAIL AND HAND DELIVERY**

Luly E. Massaro, Commission Clerk  
Rhode Island Division of Public Utilities and Carriers  
89 Jefferson Boulevard  
Warwick, RI 02888

**Re: Petition of PPL Corporation, PPL Rhode Island Holdings, LLC, National Grid USA, and The Narragansett Electric Company for Authority to Transfer Ownership of The Narragansett Electric Company to PPL Rhode Island Holdings, LLC and Related Approvals**

Dear Ms. Massaro:

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This filing includes PPL and PPL RI's responses to following requests from the Second Set of Data Requests: 2-4, 2-7, 2-13, 2-16, 2-19, 2-20, 2-29, 2-30, 2-31, 2-32, 2-36, 2-39, 2-45, 2-48, 2-50, 2-52, 2-58, 2-63 and 2-64. On July 2, 2021, the Division Advocacy Section granted an extension to July 9, 2021 as to the remaining requests, which will be provided on a rolling basis until all responses have been filed.

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Adam M. Ramos

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**Docket No. D-21-09 PPL Corp., PPL RI Holdings, LLC, National Grid USA and  
The Narragansett Electric Co. – Petition to Transfer Ownership and Related  
Approvals**

**Service List Updated 6/11/2021**

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July 8, 2021

**VIA ELECTRONIC MAIL AND HAND DELIVERY**

Luly E. Massaro, Commission Clerk  
Rhode Island Division of Public Utilities and Carriers  
89 Jefferson Boulevard  
Warwick, RI 02888

**Re: Petition of PPL Corporation, PPL Rhode Island Holdings, LLC, National Grid USA, and The Narragansett Electric Company for Authority to Transfer Ownership of The Narragansett Electric Company to PPL Rhode Island Holdings, LLC and Related Approvals; Docket No. D-21-09**

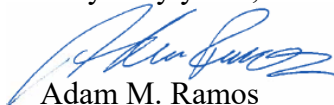
Dear Ms. Massaro:

Enclosed please find an original and four copies of PPL Corporation ("PPL") and PPL Rhode Island Holdings, LLC's ("PPL RI") Responses and Objections to the Division of Public Utilities and Carriers' Advocacy Section's Second Set of Data Requests, issued on June 11, 2021 (the "Second Set of Data Requests").

This filing includes PPL and PPL RI's responses to the following requests from the Second Set of Data Requests: 2-22, 2-35, 2-40, 2-44, 2-46 and 2-55. On July 2, 2021, the Division Advocacy Section granted an extension to July 9, 2021 as to the remaining requests, which will be provided on a rolling basis until all responses have been filed.

Thank you for your attention to this matter. Please do not hesitate to contact me should you have any questions.

Very truly yours,



Adam M. Ramos

AMR:cw  
Enclosures

cc: Service List D-21-09 (via e-mail only)

**Docket No. D-21-09 PPL Corp., PPL RI Holdings, LLC, National Grid USA and  
The Narragansett Electric Co. – Petition to Transfer Ownership and Related  
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**Service List Updated 6/11/2021**

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July 9, 2021

**VIA ELECTRONIC MAIL AND HAND DELIVERY**

Luly E. Massaro, Commission Clerk  
Rhode Island Division of Public Utilities and Carriers  
89 Jefferson Boulevard  
Warwick, RI 02888

**Re: Petition of PPL Corporation, PPL Rhode Island Holdings, LLC, National Grid USA, and The Narragansett Electric Company for Authority to Transfer Ownership of The Narragansett Electric Company to PPL Rhode Island Holdings, LLC and Related Approvals; Docket No. D-21-09**

Dear Ms. Massaro:

Enclosed please find an original and four copies of PPL Corporation (“PPL”) and PPL Rhode Island Holdings, LLC’s (“PPL RI”) Responses and Objections to the Division of Public Utilities and Carriers’ Advocacy Section’s Second Set of Data Requests, issued on June 11, 2021 (the “Second Set of Data Requests”).

This filing includes PPL and PPL RI’s responses to the following requests from the Second Set of Data Requests: 2-1, 2-2, 2-3, 2-9, 2-10, 2-11, 2-14, 2-15, 2-17, 2-18, 2-21, 2-23, 2-24, 2-25, 2-26, 2-27, 2-28, 2-33, 2-34, 2-37, 2-42, 2-49, 2-53, 2-54, 2-56, 2-59, 2-60, 2-61 and 2-62. On July 2, 2021, the Division Advocacy Section granted an extension to July 9, 2021 as to the remaining requests, which PPL has provided on a rolling basis, concluding with this submission. This completes PPL and PPL RI’s responses to the Second Set of Data Requests.

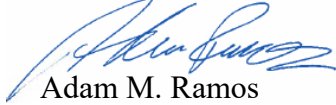
This filing includes a Motion for Protective Treatment of Confidential Information in accordance with Division Rules of Practice and Procedure 1.3(D)(2) and R.I. Gen. Laws § 38-2-2(4) for one attachment in response to Request 2-14, which contains Critical Energy Infrastructure Information. For the reasons stated in the Motion for Protective Treatment, PPL and PPL RI seek protection from public disclosure of Attachment PPL-DIV 2-14-3. Accordingly, PPL and PPL RI have provided the Division with an original and two complete, unredacted copies of the confidential document in a sealed envelope marked “**Contains Privileged and Confidential Information – Do Not Release,**” and have included a slipsheet identifying the confidential attachment for the public filing.



July 9, 2021  
Page 2

Thank you for your attention to this matter. Please do not hesitate to contact me should you have any questions.

Very truly yours,



Adam M. Ramos

AMR:cw  
Enclosures

cc: Service List D-21-09 (via e-mail only)

**Docket No. D-21-09 PPL Corp., PPL RI Holdings, LLC, National Grid USA and  
The Narragansett Electric Co. – Petition to Transfer Ownership and Related  
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**Service List Updated 6/11/2021**

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**In Re: Petition of PPL Corporation, PPL  
Rhode Island Holdings, LLC, National Grid  
USA, and The Narragansett Electric  
Company for Authority to Transfer  
Ownership of The Narragansett Electric  
Company to PPL Rhode Island Holdings,  
LLC and Related Approvals**

PPL Corporation (“PPL”) and PPL Rhode Island Holdings, LLC (“PPL RI”) (collectively “PPL”) request that the Division of Public Utilities and Carriers (the “Division”), pursuant to Division Rules of Practice and Procedure 1.3(D)(2) and 1.21(E), 815-RICR-00-00-1 *et seq.*, grant protection from public disclosure to certain confidential, Critical Energy Infrastructure Information (“CEII”) submitted by PPL in response to the Division Advocacy Section’s Second Set of Data Requests (“Second Data Requests”).

Specifically, PPL seeks an order from the Division to protect Attachment PPL-DIV 2-14-3, produced in response to the Division's Second Data Requests, from public disclosure. PPL requests protective treatment of this document and seeks a determination that this information is not a public record, in accordance with R.I. Gen. Laws § 38-2-2(4)(B). PPL also requests that, pending entry of that ruling, the Division preliminarily grant PPL's request for confidential treatment.

## **I. BACKGROUND**

On May 4, 2021, PPL, along with National Grid USA (“National Grid”), and The Narragansett Electric Company (“Narragansett”) (with PPL and PPL RI, collectively, the “Applicants”), filed a petition with the Division for approval of PPL RI’s purchase from National Grid of 100% of the common stock of Narragansett and related approvals.

On June 11, 2021, the Division Advocacy Section served the Second Data Requests, consisting of 64 requests. The Division Advocacy Section agreed that PPL could have until July 9, 2021 to complete its responses to the Second Data Requests. On July 9, 2021, PPL completed its production of its responses to the Second Data Requests. This motion seeks confidential treatment and protection from public disclosure of one of the documents provided in response to the Second Data Requests – Attachment PPL-DIV 2-14-3, which includes PPL’s Critical Energy Infrastructure Information (“CEII”).

## **II. LEGAL STANDARD**

The Access to Public Records Act, R.I. Gen. Laws § 38-2-1 *et seq.* (“APRA”), establishes the proper balance between “public access to public records” and protection “from disclosure [of] information about particular individuals maintained in the files of public bodies when disclosure would constitute an unwarranted invasion of personal privacy.” Gen. Laws § 38-2-1. Per the APRA, “all records maintained or kept on file by any public body” are “public records” to which the public has a right of inspection unless a statutory exception applies. *Id.* § 38-2-3.

The definition of “public record” under APRA specifically excludes “trade secrets and commercial or financial information obtained from a person, firm, or corporation that is of a privileged or confidential nature.” *Id.* § 38-2-2(4)(B). The statute provides that such records

“shall not be deemed public.” *Id.* Moreover, Division Rule of Practice and Procedure 1.3(D)(2) states: “Any party submitting documents to the Division may request a preliminary finding that some or all of the information is exempt from the mandatory public disclosure requirements of the Access to Public Records Act. A preliminary finding that some documents are privileged shall not preclude the Division from releasing those documents pursuant to public request in accordance with R.I. Gen. Laws § 32-2-1 *et seq.*”

The Federal Energy Regulatory Commission (“FERC”) has adopted the following definition of CEII:

“[S]pecific engineering, vulnerability, or detailed design information about proposed or existing critical infrastructure that:

- (i) Relates details about the production, generation, transportation, transmission, or distribution of energy;
- (ii) Could be useful to a person in planning an attack on critical infrastructure;
- (iii) Is exempt from mandatory disclosure under the Freedom of Information Act, 5 U.S.C. § 552; and
- (iv) Does not simply give the general location of the critical infrastructure.

18 CFR § 388.113(c)(2). “Critical infrastructure” is “existing and proposed systems and assets, whether physical or virtual, the incapacity or destruction of which would negatively affect security, economic security, public health or safety, or any combination of those matters.” *Id.*

§ 388.113(c)(4). FERC routinely has exempted CEII from disclosure under 5 U.S.C. § 552. *See* 5 U.S.C. § 552(b)(7); *see also* Regulations Implementing FAST Act Section 61003—Critical Elec. Infrastructure Security & Amending Critical Energy Infrastructure Information Availability of Certain N. Am. Elec. Reliability Corp. Databases to the Commission, 157 FERC P 61123,

2016 WL 6821056, at \*3, n.8 (F.E.R.C. 2016) (“Critical Electric Infrastructure Information is exempt from mandatory disclosure under the Freedom of Information Act, 5 U.S.C. 552, pursuant to section 215A(d)(1)(A) of the Federal Power Act.”). The Rhode Island Supreme Court has held that when documents fall within a specific APRA exemption, they “are not considered to be public records,” and “the act does not apply to them.” *Providence Journal Co. v. Kane*, 577 A.2d 661, 663 (R.I. 1990).

### **III. BASIS FOR CONFIDENTIALITY**

By this motion, PPL seeks confidential treatment for Attachment PPL-DIV 2-14-3, which contains CEII and which is responsive to the Second Data Requests.

Attachment PPL-DIV 2-14-3 is the 2021 Transmission Expansion Plan and Planning Assessment Performed in 2020 for Louisville Gas & Electric Co. (“LG&E”) and Kentucky Utilities Co. (“KU”), two subsidiaries of PPL. This document requires protective treatment because it includes detailed CEII relating to electric transmission infrastructure and the safe and reliable operation of the electric system in the areas serviced by LG&E and KU. Public disclosure of this information could facilitate the ability of individuals to damage utility infrastructure and the regional electric transmission system. PPL treats this information as confidential and discloses it only to external audiences with a need to know pursuant to confidentiality agreements. The FERC regulations and the Division’s past practice evidence the highly sensitive nature of the CEII and necessity of excluding it from the definition of “public records” as “scientific and technological secrets . . . the disclosure of which would endanger the public welfare and security.”

Attachment PPL-DIV 2-14-3 also constitutes “commercial or financial information” to which the APRA public disclosure requirements do not apply. *See* Gen. Laws § 38-2-2(4)(B);

*Kane*, 577 A.2d at 663. Further, Attachment PPL-DIV-2-14-3 constitutes “scientific and technological secrets . . . the disclosure of which would endanger the public welfare and security” likewise exempt from the APRA public disclosure requirements. *See* § 38-2-2(4)(F).

PPL therefore respectfully requests that the Division grant protective treatment to Attachment PPL-DIV 2-14-3 and take the following actions to preserve its confidentiality:

(1) maintain Attachment PPL-DIV 2-14-3 as confidential indefinitely; (2) not place Attachment PPL-DIV 2-14-3 on the public docket; (3) disclose Attachment PPL-DIV 2-14-3 only to the Division, its attorneys, and staff as necessary to review the Applicants’ application; and (4) pending entry of a final ruling on this motion, preliminarily grant PPL’s request for confidential treatment.

**WHEREFORE**, PPL Corporation and PPL Rhode Island Holdings, LLC respectfully request that the Division grant their Motion for Protective Treatment.

Date: July 9, 2021

Respectfully submitted,

PPL Corporation and PPL Rhode Island  
Holdings, LLC  
By its attorneys,



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**CERTIFICATE OF SERVICE**

I hereby certify that on July 9, 2021, I sent a copy of the foregoing to the Service List by electronic mail.

/s/ Adam M. Ramos

PPL CORPORATION, PPL RHODE ISLAND HOLDINGS, LLC,  
NATIONAL GRID USA, and THE NARRAGANSETT ELECTRIC COMPANY

Docket No. D-21-09

PPL Corporation and PPL Rhode Island Holdings, LLC's

Responses to Division's Second Set of Data Requests

Issued on June 11, 2021

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Division 2-1

Request:

National Grid shares services across three states (Rhode Island, New York and Massachusetts). Please describe how PPL proposes to provide similar economies of scale once it takes ownership of Narragansett. Please provide any related studies or plans prepared by PPL that address the provision of shared service.

Response:

PPL electric and gas operations span Pennsylvania and Kentucky and include transmission and distribution operations in Pennsylvania serving more than 1.4 million customers, and transmission and distribution operations in Kentucky serving more than 900,000 electric customers and 300,000 natural gas customers. PPL's current operating model allows it to leverage the knowledge and industry experience that has provided its customers with industry recognized reliability performance and customer satisfaction.

With respect to Narragansett electric operations, PPL intends to leverage the experience and knowledge in its Pennsylvania operations to optimize the Narragansett electric operations by bringing industry leading reliability and customer satisfaction performance in structuring the Narragansett organization, including support services. Narragansett will be organized to ensure the functions required for day-to-day electric system, customer response and services while leveraging existing support services to manage transmission operations, large project designs, project development, centralized standards, substation protection philosophy and settings, vegetation management strategy and long-term smart grid strategy.

PPL Electric Utilities Corporation's ("PPL Electric") electric system has been top decile in reliability performance in the industry over the last 7 years. In reviewing the Rhode Island electric system reliability performance, PPL expects the implementation of its operational model will provide economies of scale by focusing the Rhode Island organization as described above and utilizing the Pennsylvania operations will bring enhanced reliability and customer satisfaction over the long term.

PPL and PPL RI refer to their responses and the responses of National Grid USA and The Narragansett Electric Company to data requests Division 1-28 and Division 1-29, and the attachments to those responses, for information on the current view of target state operations for Narragansett, highlighting functions that will reside in Rhode Island and functions that will be provided as shared services.

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PPL anticipates that corporate and operational support functions such as human resources, finance and accounting, supply chain, information technology, health and safety and security will be managed out of existing services organizations, with local Rhode Island presence as required. PPL believes the resulting shared service model provides economies of scale similar to current National Grid operations.

While PPL is focused on leveraging existing organizations and capabilities to support Narragansett where feasible and reasonable, it also recognizes the need to have local, dedicated organizations in Rhode Island that have a focus on safety, reliability, and quality customer experience. As such, the proposed target state includes local electric distribution control, gas control, customer call center, and dispatch operations.

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Division 2-2

Request:

Referencing Mr. Sobolewski's testimony at page 10, lines 6-8, discussing National Grid's petition filed with the Massachusetts Department of Public Utilities (DPU), please explain what the impact to the Transaction would be if the Massachusetts DPU rejects that petition.

Response:

PPL and PPL RI refer to the response of National Grid USA and The Narragansett Electric Company to data request Division 2-2.

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Division 2-3

Request:

Referring to paragraph 11 of the Petition, please:

- a. provide the expected accounting entries by PPL Rhode Island and National Grid USA to book PPL Rhode Island's purchase of all of National Grid USA's equity interests in Narragansett;
- b. explain why PPL Rhode Island and National Grid USA have agreed to make an election under section 338(h)(10) of the Internal Revenue Code to have the Transaction treated as an asset sale for federal income tax purposes, given that the Transaction is structured as a purchase by PPL Rhode Island of all of National Grid USA's equity interests in Narragansett; and
- c. describe the effects of that election to have the Transaction treated as an asset sale for federal income tax purposes. The response should include, but not be limited to, the effect of this election on the balances of the Narragansett's accumulated deferred income taxes existing at the time of the Transaction.

Response:

a. In accordance with Generally Accepted Accounting Principles in the U.S., PPL RI will account for the Transaction using the acquisition (or purchase) method of accounting for business combinations. As a result, PPL RI will recognize the identifiable assets acquired and liabilities assumed at their acquisition date fair values. The resulting difference between the purchase price and the fair value as of the acquisition date of the identifiable assets acquired and liabilities assumed will be recognized as goodwill. The related purchase accounting journal entries, including the creation of goodwill, will be recorded at PPL RI and will not be pushed down to Narragansett, resulting in no changes to Narragansett's books related to the purchase accounting journal entries.

At this time, we are still assessing the fair values of the assets acquired and liabilities assumed so we are not able to provide the purchase accounting entries to be recorded. PPL RI will be engaging a third-party specialist to assist in determining the fair values. PPL and PPL RI will supplement this response as appropriate as the assessment of the fair values of the assets acquired and liabilities assumed is completed.

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b. As a general matter, when a buyer and seller of stock in a corporation jointly make an election under Internal Revenue Code Section 338(h)(10), the transaction is treated as an asset sale and acquisition for federal income tax purposes. Generally, buyers prefer an asset acquisition from a tax perspective because it allows a "step-up" in the tax basis of the acquired assets to fair market value, which allows for greater tax depreciation. In addition, any excess of the purchase price over the fair market value of the acquired assets may give rise to goodwill that may be amortized over a fifteen-year period for federal income tax purposes. For this reason, PPL agreed to make this election.

Please see National Grid USA's response to data request Division 2-3, subpart b, for an explanation of National Grid USA's reasons for agreeing to this election.

c. The effect of the election will be to increase the tax basis in the target assets to fair market value. PPL expects that the fair market value of the acquired assets will be approximately equal to the book values of such assets, as of the closing date. This increase in the tax basis of the acquired assets to fair market/book values will result in the reduction/elimination of accumulated deferred income taxes ("ADIT") existing at the time of the Transaction. While the reduction/elimination of such ADIT will result in an increase to Narragansett's rate base, in a future proceeding setting base rates, PPL will make a proposal to hold customer impacts neutral in relation to the rate impact associated with the elimination of ADIT as of the date of the transaction. With the stepped-up tax basis, there will be offsetting ADIT generated in the future. Therefore, the impact is a function of the point at which rates are reset, and PPL's proposal will address the circumstances existing at that point. Similarly, to the extent that the reduction/elimination of such ADIT impacts Narragansett's FERC formula transmission rates, which are passed through to Narragansett's distribution customers, PPL's proposal will address the impact of any such FERC formula transmission rate changes on Narragansett customers.

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Division 2-4

Request:

Referring to paragraph 45 of the Petition, if the Transaction is not approved by the beginning of the heating season for Narragansett's gas business, will the purchase price be adjusted?

Response:

No, the purchase price will not be adjusted if the Transaction is not approved by the beginning of the heating season for Narragansett's gas business. PPL and PPL RI also refer to the response of National Grid USA and The Narragansett Electric Company to data request Division 2-4.

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Division 2-5

Request:

Please provide any estimate of future cost savings, efficiencies, and/or synergies prepared by or for the Applicants as a result of the proposed Transaction. The response should include all supporting documentation.

Response:

While PPL believes there will be future cost savings, efficiencies and synergies due to its past experience in operating PPL Electric Utilities, Louisville Gas & Electric and Kentucky Utilities, PPL did not prepare, nor did it have any outside entity prepare, an analysis of future cost savings, efficiencies or synergies.



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Division 2-6

Request:

Referring to Mr. Sorgi's testimony (at 14:1-7), please provide an update regarding the current status of the WPD transaction.

Response:

The WPD transaction was completed on June 14, 2021.

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Division 2-7

Request:

Please describe and quantify any effect that the Transaction is expected to have on Narragansett regulatory assets and regulatory liabilities. The response should include all supporting documentation.

Response:

At this time, PPL and PPL RI do not anticipate the Transaction having any effect on Narragansett regulatory assets and regulatory liabilities. PPL and PPL RI also refer to the response of National Grid USA and The Narragansett Electric Company to data request Division 2-7.

Division 2-8

Request:

Please provide a detailed explanation of the additional experience and expertise presented by PPL as stated on page 5, lines 14 through 18 of Mr. Dudkin's testimony.

Response:

PPL Electric Utilities Corporation ("PPL Electric Utilities") has extensive experience deploying smart grid technology, utilizing sensors, data, and automation to cost-effectively improve system reliability and resiliency. In the past ten years, PPL Electric Utilities has achieved a 30% improvement in reliability while improving JD Power customer satisfaction scores by 20% and keeping operation and maintenance costs flat.

PPL Electric Utilities has done this by strategically investing in remote-operable devices that enable faster restoration when disruptions occur, sensors that provide visibility into system performance and asset health, automation, and data analytics that enable PPL Electric Utilities to leverage data in order to make targeted infrastructure investments. Specific detail regarding this experience and expertise in these areas is set forth below.

**Automation and Remote Operability**

PPL Electric Utilities has built out an extensive fiber optic network, SCADA (supervisor control and data acquisition) system, and more than ten-thousand microprocessor-based relays across the substation fleet in Pennsylvania to enable operators real-time visibility into the health of the network and remote operability of circuit feeders.

On transmission lines, PPL Electric Utilities pioneered a novel approach to remote sectionalizing and restoration by developing and installing more than 600 smart switches. These motor-operated, pole-mounted load-break switches enable PPL Electric Utilities' operators to restore line segments in moments while dispatching crews to make permanent repairs. PPL Electric Utilities is working with industry vendor G&W Electric Co. to implement the next generation of this transmission sectionalizing capability, using pole-mounted reclosers. These reclosers not only enable faster restoration, but also reduce the number of customers affected by faults on the transmission network.

On distribution lines, PPL Electric Utilities has installed more than 5,000 smart switches and more than 2,000 smart voltage control devices in strategic locations across the distribution circuits to

break up PPL Electric Utilities' network into approximately 500 customer sections. PPL Electric Utilities controls these devices using its advanced Distribution Management System (DMS), which automatically locates faults when they occur and send commands to the appropriate devices, isolating the faulted section while repair crews are dispatched and restoring the remainder of the circuit. Since 2015, this technology, called FLISR, has saved PPL Electric Utilities customers more than 1,000,000 minutes of service interruption.

### **Sensors**

PPL Electric Utilities also has deployed a network of sensors across major pieces of equipment. These sensors enable more real-time and cost-effective monitoring than traditional inspection methodologies.

At the circuit level, PPL Electric Utilities uses microprocessor relays with the capability to detect the distance to a fault, enabling field personnel to travel directly to the location of a fault instead of patrolling entire circuits.

Sensors placed on major pieces of equipment, such as gas analyzers on power transformers, battery monitors on UPS systems, and circuit breaker monitors provide continuous data about the health of these assets and whether maintenance or repair is required.

At the customer level, PPL Electric Utilities uses a network of 1.4 million communicating smart meters to monitor system voltages and power factors across more than 50,000 miles of distribution network. This data enables operators to ensure the voltage served is within tolerance and where remediation is required to ensure voltage stays nominal.

Most recently, PPL Electric Utilities began implementing Dynamic Line Ratings sensors on its transmission system that enable operators to see how much of a circuit's available capacity is being utilized in real-time. With this information, operators can extend a circuit's loading beyond traditional thermal limits without compromising performance or longevity. In a partnership with PJM, PPL Electric Utilities piloted this technology this past winter on two lines. The pilot enabled PJM to resolve congestion on the lines without the need for millions of dollars in new or rebuilt lines.

### **Data Analytics**

PPL Electric Utilities leverages the data from its network of remote operable devices and distributed sensors, combined with external data sources, to make targeted investment decisions. PPL Electric Utilities uses this data to model where, for example, poles are most likely to fail, lightning is most likely to strike, trees are most likely to interrupt service, and wildlife is most

likely to interfere with the electrical system. Using these models, PPL Electric Utilities has been able to extend asset life, hold maintenance costs steady, and improve overall reliability.

### **LG&E and KU Distribution Automation**

LG&E and KU benchmarked with PPL Electric Utilities as it developed and executed on a strategic plan to implement smart grid technologies for its electric distribution grid. The foundation of LG&E and KU's plan included advancement of Distribution Automation through three primary phases: (1) installation of supervisory control and data acquisition ("SCADA") capable electronic reclosers; (2) implementation of distributed SCADA ("DSCADA") software to monitor and communicate with those reclosers and other field connected monitoring and control devices; and (3) deployment of a Distribution Management System ("DMS") that interfaces with the DSCADA system to provide intelligent control over the electronic reclosers.

Since receiving CPCN approval for the Distribution Automation project from the Kentucky Public Service Commission in July 2017, LG&E and KU have installed more than 1,500 SCADA capable electronic reclosers on its electric distribution grid. The reclosers have been strategically placed to reduce customer exposure to fault conditions on the system through greater division of customer counts between protective devices.

Through the program, LG&E and KU has and will continue to reduce the frequency and duration of outages experienced by customers. Connected reclosers have contributed to avoidance of more than 35.8M minutes of service interruption to customers. Reduced outage frequencies and durations have translated to 13.39 minutes of avoided SAIDI from project inception to date, with over 2.20 minutes of avoided SAIDI year-to-date. Likewise, SAIFI has been reduced by 0.175 from project inception to date, with a SAIFI avoidance of 0.029 year-to-date. Once full DMS implementation is complete, even greater reliability benefits are expected through intelligent and automated control of connected reclosers.

### **KU SCADA Expansion**

In 2018 LG&E and KU started expanding SCADA capabilities to its rural substations. At that time, only 20% of KU distribution were equipped with SCADA connectivity - accounting for only approximately 30% of KU customers. For the remaining KU substations, KU could not remotely monitor or control operations of associated substation and downstream line equipment, increasing the time and resources required to monitor and control the system and respond to abnormal operating conditions. Under its SCADA expansion program, KU is executing on plans to add SCADA and necessary communications technology to approximately 570 KU circuits between 2018 and 2023. Through this program, and another focused program, LG&E and KU are also

replacing legacy electromechanical relays with micro-processor-based technologies which, among other things, provides for enhanced fault location detection.

**LG&E and KU SCADA Voltage Controller Upgrades**

Starting in 2021, LG&E and KU began deploying SCADA Voltage Controller Upgrades in preparation for a full Volt/VAR Optimization (VVO) program that will go live in 2026. This program will take advantage of Distribution Automation infrastructure and systems already in place and enable greater capability to manage system-wide voltage levels and reactive power flow on the electric distribution grid. Additionally, a VVO solution will enable LG&E and KU system operators to reduce system losses, peak demand or energy consumption using Conservation Voltage Reduction functionality and system operations strategies.

**LG&E and KU Data Analytics**

LG&E and KU leverage data from its network of SCADA connected devices to monitor and investigate actual and potential impacts to system performance, customer reliability, and operating costs. The Companies also utilize and analyze data from its Outage Management System, GIS, and work management systems, combined with external data sources, to model outage risks and understand potential customer impacts. Results of associated data analysis and modeling are used to identify, prioritize, and develop system investments and line clearance plans with emphasis on optimization of resources and reduction of outage durations and frequencies for customers.

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Division 2-9

Request:

Referring to Mr. Dudkin's testimony (at 5:14-19), please quantify the extent to which the additional experience and expertise presented by PPL, including extensive, industry-leading experience in using smart grid technology will lower costs.

Response:

PPL and PPL RI have not quantified the extent to which its additional experience and expertise including extensive, industry-leading experience in using smart grid technology will lower costs. Based on PPL's experience operating PPL Electric Utilities Corporation ("PPL Electric"), PPL expects that its operating costs will be lower than they otherwise would have been without the implementation of PPL's experience and expertise, particularly in the deployment and use of smart grid technology.

PPL Electric has implemented numerous grid modernization technologies. In the past ten years, PPL Electric has achieved a 30% improvement in reliability while improving JD Power customer satisfaction scores by 20%. Since 2015, PPL Electric's smart grid technology has saved its customers more than 1,200,000 minutes of service interruptions. PPL Electric implemented these technologies and achieved these results for its customers while keeping operation and maintenance costs flat. PPL and PPL RI plan to leverage this experience to continuously improve customer satisfaction and service reliability while maintaining operation costs at or near current levels.

PPL and PPL RI also refer to their responses to data requests Division 1-35 and Division 2-10.

Division 2-10

Request:

On page 11, lines 9-14 of Mr. Dudkin's testimony, he states PPL has made significant investments for the benefit of customers without increasing operational costs and while maintaining affordable rates. Please:

- a. Provide the total capital investments being discussed for the years 2011 through 2020.
- b. Provide the details associated with the revenue increases required to recover the capital investments and return on these investments over that same period.
- c. What were the retail rate increases by year from 2015 through 2020?

Response:

a. From 2011 to 2020, PPL Electric Utilities Corporation ("PPL Electric") has made approximately \$8,619,599,901 in capital investments in its electric transmission and distribution systems.

Louisville Gas & Electric ("LG&E") and Kentucky Utilities Corporation ("KU") capital investments from 2011 through 2020 are reflected in Attachment PPL-DIV 2-10-1.

b. The yearly revenue changes for PPL Electric from 2011 to 2020, associated with rate base, are reflected in the chart below, in millions of dollars. Changes to base distribution revenue resulted from base rate cases. PPL Electric's base distribution, DSIC, and Smart Meter rates are all based on rate base (capital placed in-service and certain other items) and include a return and certain expenses such as taxes, which results in a revenue requirement. The revenue requirement is then divided by one or more of customer count, kWh, or total revenue, depending on the specific rate structure of the mechanism.

Distribution System Improvement Charge ("DSIC") and Smart Meter revenue changes result from rate adjustment factors associated with specific programs in Pennsylvania. The amounts in the chart below are based on a full calendar year.

Transmission revenue changes are based on the FERC formula rate filings gross revenue requirement (filed June 1st each year)



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Year	Base Distribution	DSIC	Smart Meter	Transmission	Total
2011	\$ 78			\$ 9	\$ 87
2012				\$89	\$ 89
2013	\$ 71	\$ 3		(\$ 7)	\$ 67
2014		\$20		\$65	\$ 85
2015		\$18	\$ 1	\$68	\$ 87
2016	\$124	(\$41)	\$ 4	\$62	\$149
2017			\$29	\$60	\$ 89
2018		\$ 6	\$30	\$23	\$ 59
2019		\$12	\$ 8	\$72	\$ 92
2020		(\$ 8)	\$ 9	\$92	\$ 93

Revenue increases for LG&E and KU are reflected in Attachment PPL-DIV 2-10-2.

c. Attachment PPL-DIV 2-10-3 depicts overall changes to retail rates (distribution, transmission, generation) for PPL Electric from 2012 to 2020.

Changes to specific components of PPL Electric's rates from 2015-2020 are set forth in the charts below.

PPL Electric has had one base distribution rate case in that time period, and the changes in base distribution rates over that time period are reflected in Table 2-10(a), below.

PPL Electric has a rate adjustment factor referred to as the DSIC. The DSIC is a percentage applied to the total amount of distribution charges on customer bills. It is reset after each rate case, and it is adjusted quarterly. Changes are reflected in Table 2-10(b), below. It is expressed as a percentage, and the year-over-year changes are changes in the percentage. For example, in Table 2-10(b), the amount for 2016 shows -5.00%. That reflects that, in 2015 the DSIC percentage was 5.00%, and in 2016, it reduced to 0.00% as a result of the base distribution rate case.

PPL Electric also has a rate adjustment factor to recover costs related to smart meter investments. Yearly changes to that charge are reflected in Table 2-10(c), below.

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**TABLE 2-10(a)**

	2015	2016	2017	2018	2019	2020
<b>Base Distribution changes are from base rate cases</b>						
Residential (RS)						
Customer	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
kwh	\$0.00000	\$0.01023	\$0.00000	\$0.00000	\$0.00000	\$0.00000
Small C&I (GS1)						
Customer	\$0.00	\$6.00	\$0.00	\$0.00	\$0.00	\$0.00
kw	\$0.000	\$0.125	\$0.000	\$0.000	\$0.000	\$0.000
Large C&I (LP4)						
Customer	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
kw	\$0.000	\$0.420	\$0.000	\$0.000	\$0.000	\$0.000

**TABLE 2-10(b)**

**DSIC (% of Distribution Revenue)**

Change	1.61%	-5.00%	0.21%	1.74%	1.75%	-0.45%
--------	-------	--------	-------	-------	-------	--------

\* Distribution system improvement charge (DSIC) rates are updated quarterly, turned off when over-earning and reset to zero after a base rate case.  
DSIC rate changes are from the highest quarterly rate per year.

**TABLE 2-10(c)**

**Smart Meter (Customer Charge)**

Residential	\$0.17	\$0.22	\$2.20	\$0.88	\$0.09	\$0.30
Small C&I	\$0.51	\$0.41	\$3.92	\$2.31	\$0.28	\$0.42
Large C&I	\$14.00	\$4.36	\$87.91	\$38.47	\$8.50	\$9.21

\* Smart meter rates are updated quarterly.

PPL Electric's Transmission Service Charge (TSC) reflects transmission costs charged by PJM to PPL Electric as a Load Serving Entity (provider of default service). Only customers who take default service are subject to PPL Electric's TSC. Changes to PPL Electric's transmission rates are set forth in Table 2-10(d) below:

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**TABLE 2-10(d)**

Transmission (TSC)		2015	2016	2017	2018	2019	2020
Residential	kwh	\$0.00039	\$0.00307	\$0.00103	(\$0.00332)	\$0.00907	\$0.00354
Small C&I	kwh	\$0.00000	\$0.00490	\$0.00422	(\$0.00389)	\$0.00002	\$0.00817
Large C&I-Primary	kw	\$2.342	(\$1.269)	\$3.199	\$2.940	\$1.879	\$4.679
Large C&I-Transmission	kw	(\$0.639)	\$10.580	(\$13.454)	\$8.399	(\$2.519)	\$7.066

\* Transmission rate changes are based on a FERC formula rate effective June 1st each year.

For LG&E and KU, the yearly rate changes for this time period are set forth in Table 2-10(e), below.

			Avg. Rate	(Increase/Decrease per kWh)					
			2014	2015	2016	2017	2018	2019	2020
<b>LG&amp;E Electric</b>									
	Residential		\$ 0.1008	\$ 0.0036	\$ (0.0003)	\$ 0.0049	\$ (0.0058)	\$ 0.0057	\$ 0.0040
	Commercial		\$ 0.0925	\$ 0.0034	\$ (0.0012)	\$ 0.0031	\$ (0.0042)	\$ 0.0066	\$ 0.0044
	Industrial		\$ 0.0657	\$ 0.0025	\$ (0.0013)	\$ 0.0014	\$ (0.0037)	\$ 0.0044	\$ 0.0014
	Street Lighting		\$ 0.1578	\$ 0.0093	\$ 0.0015	\$ 0.0044	\$ (0.0030)	\$ 0.0175	\$ 0.0049
	Public Authority		\$ 0.0823	\$ 0.0044	\$ (0.0014)	\$ 0.0012	\$ (0.0012)	\$ 0.0075	\$ 0.0000
<b>KU Electric</b>									
	Residential		\$ 0.0936	\$ 0.0025	\$ 0.0027	\$ 0.0042	\$ (0.0057)	\$ 0.0050	\$ 0.0042
	Commercial		\$ 0.0937	\$ 0.0014	\$ 0.0018	\$ 0.0042	\$ (0.0043)	\$ 0.0069	\$ 0.0061
	Industrial		\$ 0.0599	\$ 0.0014	\$ 0.0005	\$ 0.0013	\$ (0.0038)	\$ 0.0027	\$ 0.0018
	Street Lighting		\$ 0.2616	\$ 0.0064	\$ 0.0194	\$ 0.0026	\$ (0.0031)	\$ 0.0318	\$ 0.0182
	Public Authority		\$ 0.0781	\$ 0.0007	\$ 0.0011	\$ 0.0032	\$ (0.0037)	\$ 0.0064	\$ 0.0033
			Avg. Rate	(Increase/Decrease per Ccf)					
			2014	2015	2016	2017	2018	2019	2020
<b>LG&amp;E Gas</b>									
	Residential		\$ 1.0412	\$ 0.0567	(0.0615)	\$ 0.1603	\$ (0.1314)	\$ 0.0653	\$ 0.0828
	Commercial		\$ 0.8752	\$ 0.0047	(0.0626)	\$ 0.1323	\$ (0.0962)	\$ 0.0558	\$ 0.0597
	Industrial		\$ 0.8220	\$(0.1001)	(0.0192)	\$ 0.1337	\$ (0.1408)	\$ 0.0780	\$(0.0675)
	Public Authority		\$ 0.7880	\$ 0.0001	(0.0955)	\$ 0.0902	\$ (0.0241)	\$ 0.0574	\$ 0.0502

Kentucky Regulated Utility Capital Investments

			(1)	(2)	(3)						
<u>Year</u>	<u>Generation</u>	<u>Transmission</u>	<u>Electric Distribution</u>	<u>Gas Distribution</u>	<u>IT/Other</u>	<u>Environmental Cost Recovery</u>	<u>Gas Line Tracker</u>	<u>Demand Side Management</u>	<u>Total Base</u>	<u>Total Mechanism</u>	<u>Total Capital Expenditures</u>
2011	142	59	131	29	40	134	24	-	401	158	559
2012	191	76	130	45	42	321	22	1	485	343	828
2013	478	95	150	26	53	606	45	3	803	654	1,457
2014	215	84	146	25	49	736	53	3	520	792	1,311
2015	156	74	178	32	51	545	56	6	491	607	1,098
2016	136	86	175	29	69	206	58	4	495	267	763
2017	217	133	199	32	72	294	46	2	654	341	995
2018	234	146	237	51	82	380	28	1	749	409	1,158
2019	254	174	291	51	85	224	57	2	855	284	1,139
2020	161	193	281	69	115	154	73	0	818	227	1,045

\*in millions

<sup>(1)</sup> ECR - Environmental Cost Recovery. Pursuant to Kentucky Revised Statute 278.183, Kentucky electric utilities are entitled to the current recovery of costs of complying with the Clean Air Act, as amended, and those federal, state or local environmental requirements that apply to coal combustion wastes and byproducts from the production of energy from coal.

<sup>(2)</sup> GLT - gas line tracker. The KPSC approved mechanism for LG&E's recovery of costs associated with gas transmission lines, gas service lines, gas risers, leak mitigation, and gas main replacements.

<sup>(3)</sup> DSM - Demand Side Management. Pursuant to Kentucky Revised Statute 278.285, the KPSC may determine the reasonableness of DSM programs proposed by any utility under its jurisdiction. DSM programs consist of energy efficiency programs intended to reduce peak demand and delay the investment in additional power plant construction, provide customers with tools and information regarding their energy usage and support energy efficiency.

Cumulative revenue changes since 2010 are included in the table below. Base rate revenues are not tracked separately between capital and operating components. Therefore, the base rate revenue amounts in the table include return on capitalization/rate base as well as the return of both capital and operating expenses. Mechanism revenues (ECR, GLT and DSM) reflect only the revenue increases required to recover the capital investments and return on these investments.

<u>Base Rate Case Revenue</u>	<u>Cumulative Revenue Changes Since 2010 (\$ millions)</u>									
	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>
Kentucky - 2013			99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
Virginia - 2013			0.4	4.7	4.7	4.7	4.7	4.7	4.7	4.7
Kentucky - 2015					66.0	132.0	132.0	132.0	132.0	132.0
Virginia - 2016						4.8	5.5	5.5	5.5	5.5
Kentucky - 2017							72.8	145.5	145.5	145.5
Virginia - 2018								1.0	1.8	1.8
Kentucky - 2019									51.1	76.6
Virginia - 2020										6.0
Total Base Rate Case Revenue	-	-	100.1	104.4	170.4	241.2	314.6	388.4	440.2	471.7
<u>Mechanism Revenue</u>										
ECR Revenue (1)	2.4	13.5	22.9	85.5	152.3	182.3	196.5	189.3	244.5	272.3
GLT Revenue (2)(4)	-	-	4.1	10.2	16.3	22.6	14.0	3.3	7.2	13.9
DSM Revenue (3)	-	0.1	0.5	0.9	1.5	2.2	2.8	2.9	3.1	3.0
Total Mechanism Revenue	2.4	13.5	27.4	96.6	170.1	207.2	213.3	195.5	254.8	289.2
Total Revenue	2.4	13.5	127.5	201.0	340.4	448.4	527.9	583.9	695.0	760.9

<sup>(1)</sup> ECR - Environmental Cost Recovery. Pursuant to Kentucky Revised Statute 278.183, Kentucky electric utilities are entitled to the current recovery of costs of complying with the Clean Air Act, as amended, and those federal, state or local environmental requirements that apply to coal combustion wastes and byproducts from the production of energy from coal.

<sup>(2)</sup> GLT - gas line tracker. The KPSC approved mechanism for LG&E's recovery of costs associated with gas transmission lines, gas service lines, gas risers, leak mitigation, and gas main replacements.

<sup>(3)</sup> DSM - Demand Side Management. Pursuant to Kentucky Revised Statute 278.285, the KPSC may determine the reasonableness of DSM programs proposed by any utility under its jurisdiction. DSM programs consist of energy efficiency programs intended to reduce peak demand and delay the investment in additional power plant construction, provide customers with tools and information regarding their energy usage and support energy efficiency.

<sup>(4)</sup> \$30.0m of GLT revenues were moved to base rates in the 2017 Kentucky base rate case.

## EEI Average Prices (cents per kwh)

	<i><u>Total</u></i> <i><u>PPL EU</u></i>	<i><u>Residential</u></i> <i><u>PPL EU</u></i>	<i><u>Commercial</u></i> <i><u>PPL EU</u></i>	<i><u>Industrial</u></i> <i><u>PPL EU</u></i>
2020 Summer	10.36	13.48	8.50	4.79
2020 Winter	10.09	13.14	8.75	4.92
2019 Summer	10.06	12.98	8.92	5.43
2019 Winter	10.41	13.38	9.14	6.31
2018 Summer	10.91	14.05	9.62	5.74
2018 Winter	10.95	14.35	9.49	5.24
2017 Summer	10.42	13.69	9.07	5.46
2017 Winter	10.50	13.69	9.16	5.25
2016 Summer	11.31	14.23	10.21	6.34
2016 Winter	11.98	14.59	11.05	7.20
2015 Summer	11.92	14.22	11.43	7.55
2015 Winter	11.55	13.72	11.31	8.36
2014 Summer	11.22	13.24	10.78	10.21
2014 Winter	10.66	12.67	10.85	8.01
2013 Summer	10.52	11.98	10.46	7.67
2013 Winter	10.15	11.98	10.46	7.67
2012 Summer	10.56	13.15	12.60	11.76
2012 Winter	11.61	13.15	12.60	11.76

\* These prices include distribution, transmission and generation. These are calculated by taking revenue divided by kwh.

PPL CORPORATION, PPL RHODE ISLAND HOLDINGS, LLC,  
NATIONAL GRID USA, and THE NARRAGANSETT ELECTRIC COMPANY  
Docket No. D-21-09  
PPL Corporation and PPL Rhode Island Holdings, LLC's  
Responses to Division's Second Set of Data Requests  
Issued on June 11, 2021

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Division 2-11

Request:

Referencing Mr. Dudkin's testimony at 11, lines 17-20, please provide all Documents and data demonstrating that PPL has made "significant investments for the benefit of customers without increasing operational costs and while maintaining affordable rates for customers."

Response:

Please see PPL and PPL RI's responses to data requests Division 1-38 and Division 2-10.

PPL CORPORATION, PPL RHODE ISLAND HOLDINGS, LLC,  
NATIONAL GRID USA, and THE NARRAGANSETT ELECTRIC COMPANY  
Docket No. D-21-09  
PPL Corporation and PPL Rhode Island Holdings, LLC's  
Responses to Division's Second Set of Data Requests  
Issued on June 11, 2021

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Division 2-12

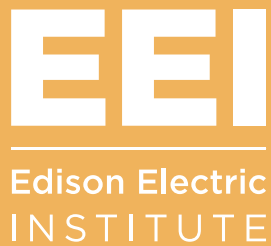
Request:

Referencing Mr. Dudkin's testimony at 12:2-3, please provide all Documents and data demonstrating that PPL's "rates for [its] customers that are 27% lower than the average rates in the Mid-Atlantic region."

Response:

This data referenced in the testimony was taken from the Edison Electric Institute (EEI) Typical Bills and Average Rates Report for the Summer of 2020. The report includes net monthly electric bills per kwh. It covers rates in effect July 1, 2020. The numbers provided in the testimony are based on a residential customer using 1,000 kwh of electricity. Please see Attachment PPL-DIV 2-12-1 for a copy of the EEI Typical Bills and Average Rates Report for the Summer of 2020.





## Typical Bills and Average Rates Report Summer 2020



## Typical Bills and Average Rates Report Summer 2020

A survey of net monthly electric bills and average revenue (or cost to the customer) per kilowatthour. Bills and averages compiled by the Rate Regulation Department of the Edison Electric Institute, using rates in effect July 1, 2020 and average revenue data from the year preceding July 1, 2020.

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## Introduction

### Scope and Method of Survey

This report surveys typical electric bills and average revenue per kilowatthour for residential, commercial, industrial, and resale service of investor-owned utility companies in the United States and international utilities. Bills have been calculated by the companies participating in the survey and reported to EEI. Revenue per kWh data are calculated by EEI using data submitted by the companies. Unweighted state, regional and nation-wide bill averages were calculated by EEI. Revenue per kilowatthour averages are weighted.

The List of Comments contains footnotes or other explanatory material furnished by respondents. Please note that comments are generally provided to make numbers reported easier to interpret. Readers interested in more extensive detail supporting the rates listed are encouraged to consult individual utility tariff sheets. Contact the editor, if you are interested in services EEI provides to support such tariff sheet research.

All bill data are in dollars. All average rate per kWh data are in cents.

EEI's Statistical Department also prints average rate per kilowatthour data. Because of differences in deadlines, companies reporting, rounding error, methods of compilation, and other minor differences, slight discrepancies between the numbers printed in Statistics Department documents and this document may exist.

### Organization of Data

#### General Layout

The Typical Bills part of the report is divided into four sections - residential, commercial, industrial, and annualized bills. The Average Rate part of the report includes total retail. Each section of the report lists data arranged by state and region and includes state, regional, and national averages. The Typical Bills part of the report uses unweighted arithmetic averages. The Average Rate part of the report is weighted and includes two lines of state, regional, and USA averages: one line for the utilities listed and one line for all the utilities in the area including munis, coops, etc. Unbundled bill and rate components are included for utilities that have reported those components.

#### Items Included in Bills

EEI asks participants to calculate bills to include all elements that the customer actually pays, with the exception of taxes that do not flow into the utility's revenues. Fuel, tax and other *revenue adjustments* are included. The List of Comments provides information on any variations.



## Omitted Data

Some respondents do not report for all demands and usages of service. Consequently the spaces for these unreported data are left blank. Generally this means the respondent does not have any customers at those demand and usage levels. Other reasons for these omissions are sometimes reported in the List of Comments.

## Fuel Clause Adjustment

A fuel clause adjustment expressed in cents per kWh is provided for each class of each company's service. This figure is used by the respondents in the calculation of each bill.

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## Corrections and Suggestions

This compilation may contain errors or inconsistencies. We appreciate receiving notice of any errors and suggestions for improvement of the survey. All correspondence on these matters should be addressed to the editor.

## Disclaimer

EEI makes no representation as to the accuracy or completeness of the information contained in this publication and disclaims liability for any damages of any kind resulting from reliance on, or use of, this publication or the information it contains.

### Most Populous Cities and the Electric Utilities that Serve Them

1	New York, NY	Consolidated Edison Company of New York, Inc.* Long Island Power Authority (LIPA)
2	Los Angeles, CA	Los Angeles Department of Water and Power
3	Chicago, IL	Commonwealth Edison Company*
4	Dallas, TX	Oncor Electric Delivery*
5	Houston, TX	CenterPoint Energy Houston Electric*
6	Washington, DC	Potomac Electric Power Company*
7	Philadelphia, PA	PECO Energy Company*
8	Miami, FL	Florida Power & Light Company*
9	Atlanta, GA	Georgia Power Company*
10	Boston, MA	Boston Edison Company*
11	San Francisco, CA	Pacific Gas & Electric Company*
12	Phoenix, AZ	Arizona Public Service Company*
13	Riverside, CA	Riverside Public Utilities
14	Detroit, MI	Detroit Edison Company*
15	Seattle, WA	Seattle City Light
16	Minneapolis, MN	Northern States Power Company*
17	San Diego, CA	San Diego Gas & Electric Company*
18	Tampa, FL	Tampa Electric Company*
19	Denver, CO	Public Service Company of Colorado*
20	St. Louis, MO	Ameren Missouri*
21	Baltimore, MD	Baltimore Gas & Electric Company*
22	Charlotte, NC	Duke Energy Carolinas*
23	Orlando, FL	Orlando Utilities Commission
24	San Antonio, TX	San Antonio City Public Service Board
25	Portland, OR	Portland General Electric*
26	Pittsburgh, PA	Duquesne Light Company*
27	Sacramento, CA	Sacramento Municipal Utility District
28	Cincinnati, OH	Duke Energy Ohio*
29	Las Vegas, NV	Nevada Power Company*
30	Kansas City, MO	Kansas City Power & Light Company*
31	Austin, TX	Austin Electric Department
32	Cleveland, OH	Cleveland Electric Illuminating Company*
33	Columbus, OH	AEP-Columbus Southern Power*
34	Indianapolis, IN	Indianapolis Power & Light Company*
35	San Jose, CA	Pacific Gas & Electric Company*
36	Nashville, TN	Nashville Electric Service
37	Virginia Beach, VA	Dominion Virginia Power*
38	Providence, RI	Narragansett Electric Co.*
39	Milwaukee, WI	We Energies*
40	Jacksonville, FL	Jacksonville Electric Authority
41	Oklahoma City, OK	OG&E Electric Services*
42	Memphis, TN	Memphis Light, Gas & Water Division
43	Raleigh, NC	Duke Energy Progress*
44	Louisville, KY	Louisville Gas & Electric Company*
45	Richmond, VA	Dominion Virginia Power*
46	New Orleans, LA	Entergy New Orleans*
47	Hartford, CT	Connecticut Light and Power*
48	Salt Lake City, UT	PacifiCorp*
49	Birmingham, AL	Alabama Power Company*
50	Buffalo, NY	Niagara Mohawk Power Company*

\*Investor-Owned Electric Utility

### Most Populous Cities and the Electric Utilities that Serve Them

51	Rochester, NY	Rochester Gas & Electric Corporation*
52	Grand Rapids, MI	Consumers Energy Company*
53	Tucson, AZ	Tucson Electric Power Company*
54	Honolulu, HI	Hawaiian Electric Company*
55	Tulsa, OK	Public Service Company of Oklahoma*
56	Fresno, CA	Pacific Gas & Electric Company*
57	Bridgeport, CT	United Illuminating Company*
58	Worcester, MA	Massachusetts Electric Company*
59	Omaha, NE	Omaha Public Power District
60	Albuquerque, NM	PNM*
61	Greenville, SC	Duke Energy Carolinas*
62	Bakersfield, CA	Pacific Gas & Electric Company*
63	Albany, NY	Niagara Mohawk Power Company*
64	Knoxville, TN	Tennessee Valley Authority
65	New Haven, CT	United Illuminating Company*
66	McAllen, TX	AEP Texas Central Company*
67	Oxnard, CA	Southern California Edison Company*
68	El Paso, TX	El Paso Electric Company*
69	Allentown, PA	PPL Electric Utilities Corporation*
70	Baton Rouge, LA	Entergy Gulf States*
71	Columbia, SC	South Carolina Electric & Gas Company*
72	Dayton, OH	Dayton Power & Light Company*
73	Sarasota, FL	Florida Power & Light Company*
74	Charleston, SC	South Carolina Electric & Gas Company*
75	Greensboro, NC	Duke Energy Carolinas*
76	Little Rock, AR	Entergy Arkansas Incorporated*
77	Stockton, CA	Pacific Gas & Electric Company*
78	Fort Meyers, FL	Lee County Electric Cooperative
79	Colorado Springs, CO	Colorado Springs Department of Utilities
80	Akron, OH	Ohio Edison Company*
81	Boise, ID	Idaho Power Company*
82	Lakeland, FL	Lakeland Dept. of Electric Water Utilities
83	Winston-Salem, NC	Duke Energy Carolinas*
84	Syracuse, NY	Niagara Mohawk Power Company*
85	Ogden, UT	PacifiCorp*
86	Madison, WI	Madison Gas & Electric Company*
87	Wichita, KS	Westar Energy/KG&E*
88	Daytona Beach, FL	Florida Power & Light Company*
89	Des Moines, IA	MidAmerican Energy Company*
90	Springfield, MA	Western Massachusetts Electric Company*
91	Toledo, OH	Toledo Edison Company*
92	Provo, UT	Provo City Corp.
93	Augusta, GA	Georgia Power Company*
94	Jackson, MS	Entergy Mississippi*
95	Melbourne, FL	Florida Power & Light Company*
96	Harrisburg, PA	PPL Electric Utilities Corporation*
97	Durham-Chapel Hill, NC	Duke Energy Carolinas*
98	Spokane, WA	Modern Electric Water Company
99	Scranton-Wilkes Barre, PA	PPL Electric Utilities Corporation*
100	Chattanooga, TN	City of Chattanooga

\*Investor-Owned Electric Utility

Note: Cities listed are designated by the US Bureau of Census as "Central Cities" which may be part of a larger metropolitan area. Ranking reflects the entire metropolitan area surrounding each Central City.

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List of Participating Companies by Region and State

NEW ENGLAND REGION

Connecticut

- Connecticut Light & Power Company
- United Illuminating Company

Maine

- Emera Maine - Bangor Hydro District
- Emera Maine – Maine Public District

Massachusetts

- Boston Edison Company
- Cambridge Electric Company
- Commonwealth Electric Company
- Fitchburg Gas & Electric Light Company
- National Grid - Massachusetts Electric Company
- Western Massachusetts Electric Company

New Hampshire

- Public Service Company of New Hampshire d/b/a Eversource Energy
- Unitil Energy Systems, Inc.

Rhode Island

- Narragansett Electric Company

Vermont

- Green Mountain Power Company

MID-ATLANTIC REGION

New Jersey

- Atlantic City Electric Company
- Jersey Central Power & Light Company
- Public Service Electric & Gas Company
- Rockland Electric Company

New York

- Central Hudson Gas & Electric Corporation
- Consolidated Edison Company of New York
- Long Island Power Authority (LIPA)
- National Grid (Niagara Mohawk)
- New York State Electric & Gas Corporation
- Orange & Rockland Utilities, Inc.
- Rochester Gas & Electric Corporation

Pennsylvania

- Duquesne Light Company
- Metropolitan Edison Company
- PECO Energy
- Pennsylvania Electric Company
- Pennsylvania Power Company
- PPL Utilities Corp.
- West Penn Power Company

**Edison Electric Institute**

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EAST NORTH CENTRAL REGION

Illinois

Ameren Illinois Rate Zone I (formerly CIPS)  
Ameren Illinois Rate Zone II (formerly CILCO)  
Ameren Illinois Rate Zone III (formerly IP)  
Commonwealth Edison Company  
MidAmerican Energy

Indiana

AEP (Indiana Michigan Power Company)  
Duke Energy Indiana  
Indianapolis Power & Light Company  
Northern Indiana Public Service Company  
Southern Indiana Gas & Electric Company

Michigan

AEP (Indiana Michigan Power combined MI rate areas)  
Consumers Energy  
DTE Electric Company  
Northern States Power Company (Wisconsin)  
Upper Michigan Energy Resources Corporation (formerly We Energies)  
Upper Michigan Energy Resources Corporation (formerly Wisconsin Public Service Corporation)

Ohio

AEP  
Cleveland Electric Illuminating Company  
Dayton Power & Light Company  
Duke Energy Ohio  
Ohio Edison Company  
Toledo Edison Company

Wisconsin

Madison Gas & Electric Company  
Northern States Power Company (Wisconsin)  
Northwestern Wisconsin Electric Company  
Superior Water, Light & Power Company  
We Energies (formerly Wisconsin Electric Power Company)  
Wisconsin Public Service Corporation  
WP&L

WEST NORTH CENTRAL REGION

Iowa

Interstate Power & Light  
MidAmerican Energy – East System  
MidAmerican Energy – North System  
MidAmerican Energy – South System

Kansas

Empire District Electric Company  
Kansas City Power & Light Company  
Westar Energy-KGE  
Westar Energy-KPL

Minnesota

Minnesota Power Company  
Northern States Power Company (Minnesota)  
Otter Tail Power Company

WEST NORTH CENTRAL REGION CONT'D

**Edison Electric Institute**

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Missouri

Ameren Missouri  
Empire District Electric Company  
Kansas City Power & Light Company

North Dakota

Montana-Dakota Utilities Company  
Northern States Power Company (Minnesota)  
Otter Tail Power Company

South Dakota

Black Hills Power Company  
MidAmerican Energy  
Montana-Dakota Utilities Company  
Northern States Power Company (Minnesota)  
Northwestern Energy  
Otter Tail Power Company

SOUTH ATLANTIC REGION

Delaware

Delmarva Power

District of Columbia

Potomac Electric Power Company

Florida

Duke Energy Florida  
Florida Power & Light Company  
Florida Public Utilities Company  
Gulf Power Company  
Tampa Electric Company

Georgia

Georgia Power Company

Maryland

Baltimore Gas & Electric  
Delmarva Power  
Potomac Edison Company  
Potomac Electric Power Company

North Carolina

Dominion North Carolina Power  
Duke Energy Carolinas  
Duke Energy Progress, Inc.

South Carolina

Duke Energy Carolinas  
Duke Energy Progress, Inc.  
South Carolina Electric & Gas Company

Virginia

AEP (Appalachian Power Company)  
Dominion Virginia Power  
Old Dominion Power Company

West Virginia

AEP  
Monongahela Power Company  
Potomac Edison Company

**Edison Electric Institute**

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EAST SOUTH CENTRAL REGION

Alabama

Alabama Power Company

Kentucky

AEP (Kentucky Power Company)

Duke Energy Kentucky

Kentucky Utilities Company

Louisville Gas & Electric Company

Mississippi

Entergy Mississippi, Inc.

Mississippi Power Company

Tennessee

AEP (Kingsport Power Company)

WEST SOUTH CENTRAL REGION

Arkansas

Empire District Electric Company

Entergy Arkansas, Inc.

OG&E Electric Services

Southwestern Electric Power Company

Louisiana

CLECO Power LLC

Entergy Louisiana, LLC (formerly Entergy Gulf States, Inc.)

Entergy Louisiana, Inc.

Entergy New Orleans, Inc.

Southwestern Electric Power Company

Oklahoma

Empire District Electric Company

OG&E Electric Services

Public Service Company of Oklahoma

Texas

AEP Texas Central Company (formerly Central Power & Light)

AEP Texas North Company (formerly West Texas Utilities)

El Paso Electric Company

Entergy Texas

Southwestern Electric Power Company

Southwestern Public Service Company

MOUNTAIN REGION

Arizona

Arizona Public Service Company

Tucson Electric Power Company

Unisource Electric Company

Colorado

Black Hills/Colorado Electric

Public Service Company of Colorado

Idaho

Avista Corporation

Idaho Power Company

PacifiCorp

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MOUNTAIN REGION CONT'D

Montana

Black Hills Power d/b/a Black Hills Energy  
Montana-Dakota Utilities Company  
NorthWestern Energy (formerly Montana Power)

Nevada

Nevada Power Company – NV Energy  
Sierra Pacific Power Company – NV Energy

New Mexico

El Paso Electric  
Public Service Company of New Mexico  
Southwestern Public Service Company

Utah

PacifiCorp

Wyoming

Black Hills Power d/b/a Black Hills Energy  
Cheyenne Light, Fuel & Power Company  
Montana-Dakota Utilities Company  
PacifiCorp

PACIFIC REGION

California

Pacific Gas & Electric Company  
PacifiCorp  
San Diego Gas & Electric Company  
Southern California Edison Company

Oregon

Idaho Power Company  
PacifiCorp  
Portland General Electric Company

Washington

Avista Corporation  
PacifiCorp  
Puget Sound Energy

HAWAII REGION

Hawaii

Hawaii Electric Light Company  
Hawaiian Electric Company  
Maui Electric Company (Lanai)  
Maui Electric Company (Maui)  
Maui Electric Company (Molokai)



**Edison Electric Institute**

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INTERNATIONAL PARTICIPANTS

Canada

ATCO Electric  
British Columbia Hydro and Power Authority  
Hydro Quebec  
NB Power

Edison Electric Institute

## Comments

### AEP (Columbus Southern Power Rate Area)

Ohio

Typical bills for the AEP Columbus Southern Power Rate Area are calculated using Standard Unbundled Tariffs. The generation components include the Power Purchase Agreement Rider and Retail Stability Rider, both of which are non-bypassable riders that apply to all customers. There is no longer a Fuel Adjustment Clause. Average Rates Notes: 1. The generation component includes the Retail Stability Rider and the Phase-In Recovery Rider, which are non-bypassable riders that apply to all customers. Note 2. Generation Average Revenue per kWh based upon non-shopping load averages.

### AEP (Kingsport Power Rate Area)

Tennessee

Fuel adjustment clause was replaced by a Fuel and Purchased Power Rider 9/1/16; it varies by rate. For commercial Service, LGS and IP rates also include a demand component. For small general commercial service, which covers all typical bills in the survey up to 1500 kWh, the rider specifies adjustment of 6.145 cents/kWh. For medium general service, which covers bills in the report between 10,000 and 50,000 kWh, the rider specifies an adjustment of 6.839 cents/kWh for the first 200 kWh and 6.596 cents/kWh for all usage above 200 kWh. For large general service primary, which covers levels of usage in the report between 150,000 kWh and 180,000 kWh, the rider specifies an adjustment of 4.745 cents/kWh and a demand charge of \$4.53 per kW. For large demand service secondary, which covers levels of usage in the survey between 200,000 and 650,000 kWh, the rider specifies an adjustment of 4.307 cents/kWh and a demand charge of \$4.62. For industrial power, which applies to usage levels in the survey above 15,000,000 kWh, the rider specifies an adjustment of 3.740 cents/kWh and a demand charge of \$10.48 per kW.

### AEP (Ohio Power Rate Area)

Ohio

Typical bills for the AEP Ohio Power Rate Area are calculated using Standard Unbundled Tariffs. The generation component includes the Retail Stability Rider and the Power Purchase Agreement Rider, both of which are non-bypassable riders that apply to all customers. There is no longer a Fuel Adjustment Clause. Average Rates Notes: The generation component includes the Retail Stability Rider and the Phase-In Recovery Rider, which are non-bypassable riders that apply to all customers. Generation Average Revenue kWh based upon non-shopping load averages.

### Ameren Illinois (All Rate Zones)

Illinois

"Beginning July 2019, typical bill calculations include Electric Distribution Taxes assessed to the utility, the Clean Energy Assistance Charge, and the Renewable Energy Adjustment."

### ATCO Electric

Canada

Total retail average rates for transmission and distribution result from adding residential, commercial, and industrial classes of service. Using currency conversion rate - in effect July 1, 2016 - of 1 Canadian dollar = 0.77168 USD

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## Comments

### **Barbados Light & Power Co., Ltd.**

Barbados

Fuel clause for residential class has been subsidized temporarily by the government.

### **Black Hills Power, Inc. d/b/a Black Hills Energy**

Montana

Residential Service Customer Charge is \$7.00. Commercial Service Customer Charge (375 - 40/14,000kWh) and Industrial Service Customer Charge (75/15,000kWh & 17/30,000kWh) is \$7.55.

### **Black Hills Power, Inc. d/b/a Black Hills Energy**

South Dakota

Residential Service Customer Charge is \$12.00. Commercial Service Customer Charge (375 - 40/14,000kWh) and Industrial Service Customer Charge (75/15,000kWh & 17/30,000kWh) is \$15.00.

### **Black Hills Power, Inc. d/b/a Black Hills Energy**

Wyoming

Residential Service Customer Charge is \$15.50. Commercial Service Customer Charge (375 - 40/14,000kWh) and Industrial Service Charge (75/15,000 kWh - 75/35,000 kWh) is \$28.00.

### **Black Hills/Colorado Electric**

Colorado

Residential Service Customer Charge (500 - 1000 kWh) is \$8.77. Commercial Service Customer Charge (375 - 2,300kWh) is \$11.39. Customer Service Customer Charge (40/10,000 - 40/14,000kWh) is \$11.39; (500/150,000 - 500/180,000kWh) is \$64.00. Industrial Service Customer Charge (75/15,000 - 1,000/650,000kWh) is \$64.00; (50,000/15,000,000 - 50,000/32,500,000kWh) is \$888.00.

### **British Columbia Hydro and Power Authority**

Canada

Effective April 1, 2018, a 5% Deferral Account Rate Rider has been applied to all charges, before taxes and levies.

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## Comments

### Central Hudson Gas & Electric Corporation

New York

Bills are calculated using unbundled tariffs. The "Generation Component" includes the Market Price Charge and Market Price Adjustment for all service classifications except Service Classification No. 2 Primary Demand with kW greater than 300 and Service Classification Nos. 3 and 13, which reflect the average day ahead market price, weighted by hour only, increased for system losses and the HPP charge for the month of January 2019, pursuant to the Hourly Pricing Provision. The generation component also includes a Merchant Function Supply Charge. Transmission and distribution charges are included in the "Delivery Service" component. Delivery charges include the monthly customer charge, demand delivery charge on a per kW basis, if applicable, an energy delivery charge, if applicable, System Benefits Charge (combination of the Clean Energy Fund surcharge, Energy Efficiency Tracker surcharge and Clean Energy Standard surcharge), Purchased Power Adjustment Charge, Miscellaneous Charges (includes Miscellaneous Charges Factor II and III -on a per kWh basis for non-demand customers or a per kW basis for demand customers billed on a separate line item), a Merchant Function Administration Charge and a Transition Adjustment Charge, all of which are billed on a per kWh basis. Delivery charges also include an Electric Bill Credit and a Revenue Decoupling Mechanism Charge billed on a per kWh or per kW basis as applicable. Total delivery charges may be less than zero due to Purchased Power Adjustments or Miscellaneous Charge Adjustments. However, constraints for certain service classifications restrict the application of Purchased Power Adjustment benefits in certain billing periods while preserving such benefits for reallocation to subsequent billing periods.

### Cheyenne Light, Fuel & Power d/b/a Black Hills Energy

Wyoming

Residential Service Customer Charge is \$13.00. Commercial Service Customer Charge (375 - 1500 kWh) is \$16.00. Commercial Service Customer Charge (40/10,000 - 40/14,000kWh) is \$70.00. Commercial Customer Service Charge (500/150,000 - 500/180,000 kWh) and Industrial Service Customer Charge (75/15,000kWh - 1000-650,000kWh) is \$235.00. Industrial Service Customer Charge (50,000/15,000,000 - 50,000/32,500,000kWh) is \$2,000.00.

### Chubu Electric Power Co., Inc.

Japan

Exchange rate used: \$1 = 122.36 Japanese Yen. Chubu customers with demands greater than 50 kW are on contracted, market-based, deregulated rates, and consequently are not reported. Chubu's electricity bill includes such taxes as Corporation Tax, Electric Power Development Promotion Tax, Fixed Asset Tax, and Consumption Tax. Average rates reflect year-ending 3/31/2015.

### Concord Electric Company

New Hampshire

Effective 12/1/02, Exeter & Hampton Electric Company merged with Concord Electric Company to form Unitil Energy Systems, Inc.

### Dominion Energy North Carolina

North Carolina

Using rates in effect on 2/1/2019. The calculation for commercial service 500kW, 180,000kWh (voltage differentiation) uses 0.457 cents/kWh fuel clause adjustment. The calculation for industrial service including and over 1000kW, 400,000kWh uses 0.457 cents/kWh fuel clause adjustment.

## Comments

### **Dominion Energy South Carolina (formerly SCE&G)**

#### South Carolina

In late 2018, the Public Service Commission of South Carolina (“PSC” or “Commission”) approved a Capital Cost Rider (“CCR”) for the recovery of costs associated with certain new nuclear project assets. As part of this CCR, the Commission ordered Dominion Energy South Carolina (“DESC” or “Company”) to set aside refunds of \$1.007 billion as a regulatory liability, which would be returned to and used to lower bills paid by DESC retail electric customers over time. Monthly, as the refunds are applied to customer bills, the regulatory liability is amortized into revenue. This amortization increases revenue but is not billed to customers. As such, the amortization has been removed from the Company’s reported revenues for the purposes of this survey to better reflect the rates that DESC customers are currently paying.

### **Duke Energy Florida**

#### Florida

Commercial and Industrial FCA is levelized.

### **Emera Maine - Bangor Hydro District**

#### Maine

On May 14, 2020 Emera Maine’s new name, Versant Power, was announced. Changing the name from Emera Maine to Versant Power is a phased approach. On January 1, 2014, Bangor Hydro-Electric’s name was changed to Emera Maine. Emera Maine has two distinct rate districts. The Emera Maine – Bangor Hydro District was formerly Bangor Hydro-Electric Company.

Provider of Last Resort (POLR) rates (Standard Offer Provider) rates are used for the generation component for the total Retail, Residential, Commercial, and Industrial rates.

#### Commercial Service

375 kWh and 1,500 kWh calculated at the General Service Rate

40 kW/10,000 kWh and 40 kW/14,000 kWh calculated at the Medium Power Rate - Secondary

500 kW/150,000 kWh and 500 kW/180,000 kWh calculated at the Primary Power Large Rate

#### Industrial Service

75 kW/15,000 kWh; 75 kW/30,000 kWh; and 75 kW/50,000 kWh calculated at the Medium Power Rate - Secondary

1,000 kW/200,000 kWh; 1,000 kW/400,000 kWh; 1,000kW/650,000 kWh; 50,000 kW/15,000,000 kWh; 50,000 kW/25,000,000 kWh; and 50,000 kW/32,500,000 kWh calculated at the Primary Power Large Rate

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## Comments

### **Emera Maine - Maine Public District**

Maine

On May 14, 2020 Emera Maine's new name, Versant Power, was announced. Changing the name from Emera Maine to Versant Power is a phased approach. On January 1, 2014, Maine Public Service Company legally merged into Emera Maine. Emera Maine has two distinct rate districts. The Emera Maine – Maine Public District was formerly Maine Public Service Company.

Provider of Last Resort (POLR) rates (Standard Offer Provider) rates are used for the generation component for the total Retail, Residential, Commercial, and Industrial rates. Seasonal differential for annualized bills does not apply to residential customers.

Commercial Service

375 kWh; 1,500 kWh; 40 kW/10,000 kWh; and 40 kW/14,000 kWh calculated at the General Service Rate  
500 kW/150,000 kWh and 500 kW/180,000 kWh calculated at the Medium Power Service - Secondary Rate

Industrial Service

75 kW/15,000 kWh; 75 kW/30,000 kWh; and 75 kW/50,000 kWh calculated at the Medium Power Service - Secondary Rate  
1,000 kW/200,000 kWh; 1,000 kW/400,000 kWh; and 1,000kW/650,000 kWh calculated at the Transmission Power - Time of Use Rate

### **Entergy Louisiana, Inc.**

Louisiana

The fuel adjustment for Entergy Louisiana and Entergy Gulf States Louisiana varies by voltage level. The 2 Louisiana companies merged a few years ago into one combined company but are still separate in this survey.

### **Entergy Louisiana, LLC (formerly Entergy Gulf States, Inc.)**

Louisiana

The fuel adjustment for Entergy Louisiana and Entergy Gulf States Louisiana varies by voltage level. The 2 Louisiana companies merged a few years ago into one combined company but are still separate in this survey.

### **Entergy New Orleans, Inc.**

Louisiana

Seasonal differential in annualized bills applicable to residential customers only.

### **Entergy Texas**

Texas

Fuel adjustment clause for industrial service is 2.84428 cents/kWh for bills at 1,000 kW, and 2.77355 cents/kWh for bills at 50,000 kW. Seasonal differential applies to industrial service of 50,000 kW demand.

## Comments

### **Epcor Energy Services, Inc.**

Canada

The billing examples apply to the City of Edmonton only; not Alberta (each region has its own default supplier of electricity. Alberta has a deregulated electricity market with a government regulated option still available for customers not wishing to choose a competitive contract. The examples in the survey apply to the month of January 2009 only. Bills include an industry credit from the electricity market balancing pool. That credit is part of the transmission component. Industrial customers are on individual competitive contracts. Use an exchange rate of CAD \$1 = US\$0.8260. CTC is based on ISO's rebate rider. Generation revenue is based on retail costs which consisted of the average pool price and energy market trading charge as posted by the ISO.

### **Exeter & Hampton Electric Company**

New Hampshire

Effective 12/1/02, Exeter & Hampton Electric Company merged with Concord Electric Company to form Unitil Energy Systems, Inc.

### **Fitchburg Gas & Electric Light Company**

Massachusetts

Assumed 6 kW for 1500 kWh since FG&E rate structure for this size customer includes a demand component. Effective 12/1/02, Exeter & Hampton Electric Company merged with Concord Electric Company to form Unitil Energy Systems, Inc. The generation price is not known until the end of the month for the industrial consumer class.

### **Granite State Electric Company**

New Hampshire

Granite State Electric reflects Default Service for generation component

### **Green Mountain Power (CVPS Zone)**

Vermont

As has been the custom for the last several years, we report typical bill data for both the legacy-CVPS zone and legacy-GMP zone. In April 2020, we will complete the last step of our phase-in rate integration so the next report will just be one GMP!

### **Green Mountain Power Corporation (GMP Zone)**

Vermont

As has been the custom for the last several years, we report typical bill data for both the legacy-CVPS zone and legacy-GMP zone. In April 2020, we will complete the last step of our phase-in rate integration so the next report will just be one GMP!

## Comments

### **Gulf Power Company**

Florida

FCA for commercial service is 3.262 cents/kWh at 375 & 1500 kWh and 40kW demand. FCA for commercial service is 3.218 cents/kWh at 500kW. FCA for industrial service 3.262 cents/kWh at the 75 kW demand level, 3.218 cents/kWh at the 1000kW and 50,000kW demand levels, except for the 50,000kW/32,500,000 kWh level of usage, at which it is 3.168. cents/kWh.

### **Hydro-Quebec**

Canada

Exchange rate used as of July 2nd 2020 : (1 \$CA = 0,7361 \$USD)

### **Iberdrola**

Spain

Rates reflected are publicly listed prices. However, customers can obtain lower prices in the liberalized electricity market.

### **Idaho Power Company**

Idaho

Special contract rates apply to customers with demands greater than 20,000 kW.

### **Idaho Power Company**

Oregon

Special contract rates apply to customers with demands greater than 20,000 kW.

### **Interstate Power & Light**

Minnesota

Alliant sold its Minnesota assets as of August 2015 so only July 2015 data is represented in the winter 2016 report.

### **Jersey Central Power & Light Company**

New Jersey

The generation revenues are not provided for the commercial and industrial classes, therefore, totals for these categories cannot be provided.



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## Comments

### **Kentucky Utilities Company**

Kentucky

Only seasonal differential rate applies to industrial bills of 15,000, 30,000, and 50,000 kWh

### **Louisville Gas & Electric Company**

Kentucky

Only seasonal differential rate applies to industrial bills of 15,000, 30,000, and 50,000 kWh

### **Manitoba Hydro**

Canada

Revenues in US dollars. Exchange rate used: \$1 US = \$1.3114 CAD (7/2/19 daily rate).

### **Minnesota Power Company/ Allete**

Minnesota

For Commercial Service 500kWx150,000kWh and 500kWx180,000kWh there is a Fuel clause of -0.054 and -0.054 cents/kWh respectively. For Industrial Service 1000kWx400,000kWh, 100kWx650,000kWh, 50,000kWx15,000,000kWh, 50,000kWx25,000,000kWh, and 50,000kWx32,500,000kWh there is a Fuel clause of -0.054, -0.054, -0.054, -0.054, and -0.052cents/kWh respectively.

### **Monongahela Power Company**

West Virginia

Rates effective July 15, 2019

### **Narragansett Electric Company**

Rhode Island

National Grid's response reflects Standard Offer for the Generation Component. National Grid's Average Rates responses reflect revenue and MWhs from Standard Offer and revenue and MWhs from Basic Service.

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## Comments

### National Grid (Massachusetts Electric Company)

Massachusetts

National Grid's response reflects Fixed Basic Service Pricing for the Generation Component. (1) National Grid's response for these small commercial customers reflects Fixed Basic Service Pricing for the Generation Component. (2) National Grid's response for these medium and large commercial customers reflects Variable Basic Service Pricing for July for the Western/Central Mass load zone for the Generation Component. National Grid's response reflects Variable Basic Service Pricing for July for the West Central Mass Load Zone for the Generation Component. National Grid's response reflects revenue and MWhs from Basic Service.

### New Brunswick Power

Canada

Exchange rate: \$1CDN=\$0.7697 US as of noon, January 2, 2020

### Northern Indiana Public Service Company

Indiana

On January 1, 2020, NIPSCO had a large industrial rate approved which allows industrial customers to serve part of their load from the market, therefore market costs are not included in the three industrial bills attached.

### Northern States Power Company (MN)

Minnesota

FCA is applied to commercial and industrial demand service.

### Nova Scotia Power, Inc.

Canada

The CAD to US exchange rate used in this January 1, 2019 survey data was \$1 CAD = \$0.7353 US.

### OG&E Electric Services

Arkansas

FCA for the 75 kW industrial demand level is 2.5811 cents/kWh. FCA for the 1000 kW industrial demand level and above is 2.4339 cents/kWh.

### OG&E Electric Services

Oklahoma

FCA for the 75 kW industrial demand level is 2.3296 cents/kWh. FCA for the 1000 kW industrial demand level is 2.0545 cents/kWh. FCA for the 50000 kW demand level is 2.0021 cents/kWh.

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## Comments

### Old Dominion Power Company

Virginia

Only seasonal differential rate applies to industrial bills of 15,000, 30,000, and 50,000kWh

### Pacific Gas & Electric Company

California

Average rates include electricity provided to direct access customers who procure their own supply of electricity (i.e., includes direct access and bundled, therefore rate is lower; bundled rate alone would be higher).

### PacifiCorp

California

Residential Service excludes California Climate Credit (Schedule GHG-93).

### PacifiCorp

Idaho

When a customer's load reaches a level in excess of 15,000 kW, continued service will require special contract arrangements (see ID Sch 9 tariff).

### PECO Energy

Pennsylvania

To pass the 2018 effects of the Tax Cuts and Jobs Act ("TCJA") to customers, the FTAC (Federal Tax Adjustment Credit) will apply a negative surcharge to all PaPUC jurisdictional distribution charges, on a bills-rendered basis. The FTAC will be provided through a separate mechanism showing a line item on customer bills (e.g. Federal Tax Adjustment Credit – "FTAC").

Residential and Small Commercial were applied in January 2019, a one month give-back.

For large commercial and industrial customers, PECO will refund the 2018 TCJA savings by applying the negative surcharge to bills rendered over a one-year period, effective January 1, 2019 through December 31, 2019:

Large Commercial Rate:-4.14%. The reported higher revenues are correct. In the past, the distribution revenues provided were only for the retained customers. As of Summer 2019, the report contains the distribution total for all retained and shopping customers

The rates provided in the survey do not include the FTAC Credit. Below is the FTAC credit and the final bill after applying:

Large Commercial Customers 4.14% FTAC Credit (Twelve Month Give Back) 15,000 kWh/75 kW -\$33.09 Credit, Final Bill \$1,677.02. 30,000 kWh/75 kW -\$32.72 Credit, Final Bill \$2,506.59. 50,000 kWh/75 kW -\$32.22 Credit, Final Bill \$3,612.69. 200,000 kWh/1,000 kW -\$260.56 Credit, Final Bill \$17,402.57. 400,000 kWh/1,000 kW -\$255.59 Credit, Final Bill \$27687.55. 650,000 kWh/1,000 kW -\$249.38 Credit, Final Bill \$40,543.77. 15,000,000 kWh/50,000 kW -\$12,186.24 Credit, Final Bill \$1,110,639.27. 25,000,000 kWh/50,000 kW -\$11,937.84 Credit, Final Bill \$1,624,888.24. 32,500,000 kWh/50,000 kW - \$11,751.54 Credit, Final Bill \$2,010,574.98.

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## Comments

### Potomac Edison Company

Maryland

An average generation unbundled component was used to calculate typical bills for Maryland on Page 4 usages of 200,000 kWh. These customers are billed at the PJM Hourly Pricing rates; therefore, June 2019 average generation rates were used. Average generation rates were also used in preparing the Annualized bills reflecting different months throughout the year for Maryland. Rates effective July 1, 2019. . The Maryland "Total Sales in Mega-watthours" fields were backed into so that the "Total Average Revenue per Kilowatt-hour in Cents" would add up in the last column of the worksheets.

### Potomac Edison Company

West Virginia

Bills reflect rates effective July 15, 2019.

### Public Service Company of Colorado

Colorado

For primary general industrial service, on-peak FCA is 0.04257 cents/kWh and off-peak FCA is 0.02977 cents/kWh. The Industrial rates in the report reflect primary general service. The rates for industrial transmission general service at 75kW are \$13,802, \$14,391, and \$15,176 for 15,000kWh, 30,000kWh, and 50,000kWh, respectively. At 1,000kW, they are \$31,204, \$39,053, and \$48,864 for 200,000kWh, 400,000kWh, and 650,000kWh, respectively. At 50,000kW, they are \$1,149,270, \$1,541,698, and \$1,836,018 for 15,000,000kWh, 25,000,000kWh, and 32,500,000, respectively. The industrial transmission general service FCA is 0.04170 cents/kWh on peak and 0.02916 cents/kWh off-peak. The annualized industrial transmission general service rates are \$13,802, \$14,391, and \$15,176 at the 75 kW level, \$31,204, \$39,053, and \$48,864 at the 1000 kW level, and \$1,149,270, \$1,541,698, and \$1,836,018 at the 50,000 kW level.

### Public Service Company of New Mexico

New Mexico

FCA is 2.25528 cents/kWh for all residential, commercial 375-14,000kWh, and industrial 15,000-200,000kWh. FCA is 2.21400 for commercial 150,000-180,000kWh and industrial 400,000-650,000kWh. FCA is 2.14888 for industrial 15,000,000 - 25,000,000. FCA is 2.15948 for largest industrial (32,500,000kWh). Total sales and revenues calculated by adding residential, commercial, and industrial sales and revenues.

### Public Service Electric & Gas Company

New Jersey

Note: The 375kWh & the 1,500 kWh bill calculations include both an Annual Demand Charge and a Summer Demand Charge as per our Tariff and Commercial rate structure. A demand of 3KW was assumed. Total Retail Customer Average Rates - Transmission Revenue is included in Generation. Residential, Commercial, and Industrial Customer Average Rates - Transmission is included in Generation. PSE&G metering prices are not unbundled. Generation, Delivery, and CTC Revenues include street lighting

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## Comments

### San Diego Gas & Electric Company

California

SDG&E footnote for "CTC" component:

1) SDG&E's "CTC" bill and revenue component includes the following individual charge components:

- a) Public Purpose Programs Charge (PPP)
- b) Nuclear Decommissioning Charge (ND)
- c) Competition Transition Charge (CTC)
- d) Local Generation Charge (LGC)
- e) Reliability Services Charge (RS)
- f) Total Rate Adjustment Component (TRAC - includes subsidies created by California's AB1x residential rate cap)
- g) Department of Water Resources Bond Charges

### Southern California Edison

California

Generation Sales in Megawatthours reflects usage for bundled service (SCE only). Generation Revenues in Dollars is comprised of Generation, Generation (POST), Cost Recovery Surcharge Under Collection, Power Charge Indifference Adjustment, and Department of Water Resources (POST); Transmission is comprised of Transmission and the Transmission Owners Tariff Charge Adjustments (TOTCA). Total Average Revenue Per Kilowatthour In Cents includes Generation, Transmission, Delivery and Other Average Revenue Per Kilowatthour In Cents. The summer rates, initiated in June 2020, reflect COVID-19 Residential Rate Relief as well as the reduction of the Residential High Usage Charge for tiered customers.

### Southern Indiana Gas & Electric Company

Indiana

SIGECO has voltage differentiated FACs: (0.9222) cents/kWh for RS, B, SGS (for 375 kWh & 1500 kWh), OSS (.9212) cents/kWh for DGS (10k kWh, 14k kWh), (.8871) cents/kWh for LP (150k kWh, 180k kWh)

### TXU Energy

Texas

TXU has no seasonal differential in commercial and industrial base rates, but does have a fuel differential. TXU's service at 1000 kW demand and above is competitive. TXU did not submit sales and revenues for the average revenue per kilowatthour section of the report for confidentiality reasons.

### Unisource Electric Company

Arizona

Note: Industrial rates do not reflect the 20%-30% economic development discount UNSE offers to new load.

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## Comments

### **Unitil Energy Systems, Inc.**

New Hampshire

UES assumed 1.5kW and 6kW for 375kWh and 1500kWh bills respectively since UES rate structure includes a demand component.

### **Upper Michigan Energy Resources Corporation (formerly We Ener**

Michigan

All MI Retail Customers moved to UMERC effective 1/1/2017 except the Mines (reported in Industrial). Effective 4/1/19, the mines moved from We Energies to UMERC as a customer

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## Typical Electric Bills

(in \$/month)

### Residential Rates in effect July 1, 2020

#### General Service

Fuel Clause  
Adjustment (FCA) in  
cents:

500 kWh 750 kWh 1000 kWh

## New England

### Connecticut

Connecticut Light & Power Company

FCA:

generation	\$36.88	\$55.31	\$73.75
transmission	\$18.93	\$28.39	\$37.85
delivery	\$66.97	\$95.64	\$124.31
ctc	(\$0.09)	(\$0.14)	(\$0.18)
total rate	\$122.68	\$179.20	\$235.73

United Illuminating Company

FCA:

generation	\$43.34	\$65.00	\$86.67
transmission	\$15.87	\$23.80	\$31.73
delivery	\$69.13	\$97.28	\$125.42
ctc	\$6.97	\$10.46	\$13.94
total rate	\$135.31	\$196.54	\$257.76

### Average For Connecticut

generation	\$40.11	\$60.16	\$80.21
transmission	\$17.40	\$26.09	\$34.79
delivery	\$68.05	\$96.46	\$124.87
ctc	\$3.44	\$5.16	\$6.88
total rate	\$128.99	\$187.87	\$246.75

### Maine

Emera Maine - Bangor Hydro District

FCA:

generation	\$34.39	\$51.59	\$68.79
transmission	\$20.34	\$30.50	\$40.67
delivery	\$34.62	\$51.93	\$69.24
ctc	(\$1.02)	(\$1.53)	(\$2.04)
total rate	\$88.33	\$132.49	\$176.66

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## Typical Electric Bills

(in \$/month)

### Residential Rates in effect July 1, 2020

#### General Service

Fuel Clause  
Adjustment (FCA) in  
cents:

500 kWh 750 kWh 1000 kWh

Emera Maine - Maine Public District

FCA:

generation	\$33.65	\$50.47	\$67.29
transmission	\$11.57	\$17.36	\$23.15
delivery	\$33.98	\$50.97	\$67.96
ctc	\$0.58	\$0.87	\$1.16
total rate	\$79.78	\$119.67	\$159.56

#### Average For Maine

generation	\$34.02	\$51.03	\$68.04
transmission	\$15.96	\$23.93	\$31.91
delivery	\$34.30	\$51.45	\$68.60
ctc	(\$0.22)	(\$0.33)	(\$0.44)
total rate	\$84.06	\$126.08	\$168.11

#### Massachusetts

Boston Edison Company

FCA:

generation	\$49.39	\$74.08	\$98.77
transmission	\$13.65	\$20.48	\$27.30
delivery	\$50.81	\$72.71	\$94.61
ctc	\$0.01	\$0.02	\$0.02
total rate	\$113.86	\$167.29	\$220.70

Cambridge Electric Company

FCA:

generation	\$49.39	\$74.08	\$98.77
transmission	\$13.65	\$20.48	\$27.30
delivery	\$50.81	\$72.71	\$94.61
ctc	\$0.01	\$0.02	\$0.02
total rate	\$113.86	\$167.29	\$220.70



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## Typical Electric Bills

(in \$/month)

### Residential Rates in effect July 1, 2020

#### General Service

Fuel Clause  
Adjustment (FCA) in  
cents:

500 kWh 750 kWh 1000 kWh

#### Commonwealth Electric Company

FCA:

generation	\$49.39	\$74.08	\$98.77
transmission	\$13.65	\$20.48	\$27.30
delivery	\$50.81	\$72.71	\$94.61
ctc	\$0.01	\$0.02	\$0.02
total rate	\$113.86	\$167.29	\$220.70

#### Fitchburg Gas & Electric Light Company

FCA:

generation	\$46.50	\$69.75	\$93.00
transmission	\$12.92	\$19.37	\$25.83
delivery	\$71.37	\$103.55	\$135.73
ctc	(\$1.01)	(\$1.51)	(\$2.01)
total rate	\$129.78	\$191.16	\$252.55

#### National Grid (Massachusetts Electric Company)

FCA:

generation	\$49.49	\$74.24	\$98.98
transmission	\$15.65	\$23.48	\$31.30
delivery	\$56.70	\$81.53	\$106.38
ctc	(\$0.43)	(\$0.65)	(\$0.86)
total rate	\$121.41	\$178.60	\$235.80

#### Western Massachusetts Electric Company

FCA:

generation	\$45.10	\$67.65	\$90.20
transmission	\$13.65	\$20.48	\$27.30
delivery	\$50.69	\$72.53	\$94.37
ctc	\$0.01	\$0.02	\$0.02
total rate	\$109.45	\$160.67	\$211.89

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## Typical Electric Bills

(in \$/month)

### Residential Rates in effect July 1, 2020

#### General Service

Fuel Clause  
Adjustment (FCA) in  
cents:

500 kWh 750 kWh 1000 kWh

#### Average For Massachusetts

generation	\$48.21	\$72.31	\$96.42
transmission	\$13.86	\$20.79	\$27.72
delivery	\$55.20	\$79.29	\$103.39
ctc	(\$0.23)	(\$0.35)	(\$0.47)
total rate	\$117.04	\$172.05	\$227.06

#### New Hampshire

Public Service Company of New Hampshire d/b/a Eversource Energy

FCA:

generation	\$41.53	\$91.37	\$83.06
transmission	\$11.21	\$33.62	\$22.41
delivery	\$40.06	(\$1.20)	\$61.38
ctc	\$5.09	\$11.20	\$10.18
total rate	\$97.89	\$134.99	\$177.03

Unitil Energy Systems, Inc.

FCA:

generation	\$34.94	\$52.40	\$69.87
transmission	\$12.51	\$18.77	\$25.02
delivery	\$38.19	\$49.18	\$60.16
ctc	(\$0.06)	(\$0.09)	(\$0.12)
total rate	\$85.58	\$120.26	\$154.93

#### Average For New Hampshire

generation	\$38.24	\$71.89	\$76.47
transmission	\$11.86	\$26.20	\$23.72
delivery	\$39.13	\$23.99	\$60.77
ctc	\$2.52	\$5.56	\$5.03
total rate	\$91.74	\$127.63	\$165.98

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Residential Rates in effect July 1, 2020

#### General Service

Fuel Clause  
Adjustment (FCA) in  
cents:

500 kWh 750 kWh 1000 kWh

#### Rhode Island

Narragansett Electric Company

FCA:

generation	\$41.50	\$62.24	\$82.99
transmission	\$14.73	\$22.09	\$29.45
delivery	\$54.69	\$77.51	\$100.32
ctc	(\$0.41)	(\$0.62)	(\$0.82)
total rate	\$110.51	\$161.22	\$211.94

#### Average For Rhode Island

generation	\$41.50	\$62.24	\$82.99
transmission	\$14.73	\$22.09	\$29.45
delivery	\$54.69	\$77.51	\$100.32
ctc	(\$0.41)	(\$0.62)	(\$0.82)
total rate	\$110.51	\$161.22	\$211.94

#### Vermont

Green Mountain Power (CVPS Zone)

FCA:

total rate	\$99.06	\$141.20	\$183.35
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Green Mountain Power Corporation (GMP Zone)

FCA:

total rate	\$99.06	\$141.20	\$183.35
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#### Average For Vermont

total rate	\$99.06	\$141.20	\$183.35
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Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Residential Rates in effect July 1, 2020

#### General Service

Fuel Clause  
Adjustment (FCA) in  
cents:

500 kWh 750 kWh 1000 kWh

#### Average For New England

generation	\$42.73	\$66.33	\$85.45
transmission	\$14.49	\$23.02	\$28.97
delivery	\$51.45	\$69.00	\$94.55
ctc	\$0.74	\$1.39	\$1.49
total rate	\$108.03	\$157.27	\$206.84

#### Mid-Atlantic

##### New Jersey

##### Jersey Central Power & Light Company

FCA:

generation	\$34.54	\$53.11	\$72.54
transmission	\$6.11	\$9.16	\$12.21
delivery	\$14.93	\$27.37	\$44.01
ctc	\$0.05	\$0.07	\$0.09
total rate	\$55.63	\$89.71	\$128.85

##### Public Service Electric & Gas Company

FCA:

generation	\$62.08	\$94.47	\$127.75
delivery	\$27.50	\$39.50	\$51.88
ctc	\$0.03	\$0.05	\$0.07
total rate	\$89.61	\$134.02	\$179.70

##### Rockland Electric Company

FCA:

generation	\$22.94	\$40.39	\$61.84
delivery	\$44.50	\$66.14	\$89.16
total rate	\$67.44	\$106.53	\$151.00

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Residential Rates in effect July 1, 2020

#### General Service

Fuel Clause  
Adjustment (FCA) in  
cents:

500 kWh 750 kWh 1000 kWh

#### Average For New Jersey

generation	\$39.85	\$62.66	\$87.38
transmission	\$6.11	\$9.16	\$12.21
delivery	\$28.98	\$44.34	\$61.68
ctc	\$0.04	\$0.06	\$0.08
total rate	\$70.89	\$110.09	\$153.18

#### New York

Central Hudson Gas & Electric Corporation

FCA:

generation	\$23.87	\$35.81	\$47.73
delivery	\$63.54	\$85.08	\$106.63
total rate	\$87.41	\$120.89	\$154.36

Consolidated Edison Company of New York

FCA: 0.018268

generation	\$58.72	\$88.07	\$117.44
delivery	\$91.97	\$131.09	\$170.18
ctc	\$3.06	\$4.57	\$6.09
total rate	\$153.75	\$223.73	\$293.71

LIPA

FCA: 0.104944

generation	\$52.47	\$78.71	\$104.94
delivery	\$60.52	\$87.25	\$113.98
total rate	\$112.99	\$165.96	\$218.92

National Grid (Niagara Mohawk Power Corporation)

FCA:

generation	\$24.07	\$36.11	\$48.13
delivery	\$52.00	\$69.22	\$86.45
total rate	\$76.07	\$105.33	\$134.58

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Residential Rates in effect July 1, 2020

#### General Service

Fuel Clause  
Adjustment (FCA) in  
cents:

500 kWh 750 kWh 1000 kWh

#### New York State Electric & Gas Corporation

FCA:

generation	\$22.75	\$34.12	\$45.49
delivery	\$43.94	\$57.79	\$71.64
ctc	\$2.26	\$3.38	\$4.51
total rate	\$68.95	\$95.29	\$121.64

#### Orange & Rockland Utilities, Inc.

FCA:

generation	\$27.34	\$41.02	\$54.68
delivery	\$73.14	\$101.29	\$129.42
total rate	\$104.65	\$146.35	\$188.03

#### Rochester Gas & Electric Corporation

FCA:

generation	\$22.72	\$34.08	\$45.44
delivery	\$47.25	\$59.58	\$71.93
ctc	(\$0.62)	(\$0.92)	(\$1.23)
total rate	\$69.35	\$92.74	\$116.14

### Average For New York

generation	\$33.13	\$49.70	\$66.26
delivery	\$61.77	\$84.47	\$107.18
ctc	\$1.57	\$2.34	\$3.12
total rate	\$96.17	\$135.76	\$175.34

### Pennsylvania

#### Duquesne Light Company

FCA:

generation	\$26.21	\$39.32	\$52.43
transmission	\$9.33	\$13.99	\$18.66
delivery	\$49.12	\$67.25	\$85.37
total rate	\$84.66	\$120.56	\$156.46

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Residential Rates in effect July 1, 2020

		General Service			Fuel Clause Adjustment (FCA) in cents:
		500 kWh	750 kWh	1000 kWh	
Metropolitan Edison Company					FCA:
	generation	\$26.81	\$40.21	\$53.61	
	delivery	\$36.64	\$49.97	\$63.29	
	total rate	\$63.45	\$90.18	\$116.90	
PECO Energy					FCA:
	generation	\$29.44	\$44.16	\$58.88	
	transmission	\$2.59	\$3.88	\$5.17	
	delivery	\$42.86	\$59.30	\$75.73	
	total rate	\$74.89	\$107.34	\$139.78	
Pennsylvania Electric Company					FCA:
	generation	\$27.66	\$41.49	\$55.32	
	delivery	\$46.55	\$64.60	\$82.64	
	total rate	\$74.21	\$106.09	\$137.96	
Pennsylvania Power Company					FCA:
	generation	\$33.42	\$50.13	\$66.84	
	delivery	\$34.84	\$47.76	\$60.69	
	total rate	\$68.26	\$97.89	\$127.53	
PPL Utilities Corp.					FCA:
	generation	\$23.47	\$35.20	\$46.93	
	transmission	\$12.96	\$19.43	\$25.91	
	delivery	\$35.57	\$45.24	\$54.91	
	total rate	\$71.99	\$99.87	\$127.75	
West Penn Power Company					FCA:
	generation	\$25.63	\$38.44	\$51.25	
	delivery	\$28.58	\$39.27	\$49.95	
	total rate	\$54.21	\$77.71	\$101.20	

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Residential Rates in effect July 1, 2020

#### General Service

Fuel Clause  
Adjustment (FCA) in  
cents:

500 kWh 750 kWh 1000 kWh

#### Average For Pennsylvania

generation	\$27.52	\$41.28	\$55.04
transmission	\$8.29	\$12.44	\$16.58
delivery	\$39.17	\$53.34	\$67.51
ctc			
total rate	\$70.24	\$99.95	\$129.65

#### Average For Mid-Atlantic

generation	\$32.01	\$48.52	\$65.37
transmission	\$7.75	\$11.62	\$15.49
delivery	\$46.67	\$64.57	\$82.82
ctc	\$0.96	\$1.43	\$1.91
total rate	\$81.03	\$116.48	\$152.62

#### East North Central

##### Illinois

Ameren Illinois (All Rate Zones)

FCA:

generation	\$16.77	\$25.16	\$33.08
transmission	\$5.95	\$8.93	\$11.90
delivery	\$31.80	\$40.78	\$47.02
total rate	\$54.52	\$74.86	\$92.00

Commonwealth Edison Company

FCA:

generation	\$25.84	\$38.76	\$51.68
transmission	\$6.53	\$9.79	\$13.05
delivery	\$31.88	\$50.10	\$61.20
total rate	\$64.25	\$98.65	\$125.93



Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Residential Rates in effect July 1, 2020

General Service					Fuel Clause Adjustment (FCA) in cents:
	500 kWh	750 kWh	1000 kWh		
MidAmerican Energy					FCA: 0.00705
generation	\$36.60	\$54.88	\$73.17		
transmission	\$5.11	\$7.66	\$10.21		
delivery	\$20.66	\$26.27	\$31.87		
total rate	\$62.37	\$88.81	\$115.25		
MidAmerican Energy Company (Delivery Service)					FCA:
delivery	\$21.76	\$27.91	\$34.06		

### Average For Illinois

generation	\$26.40	\$39.60	\$52.64
transmission	\$5.86	\$8.79	\$11.72
delivery	\$26.53	\$36.26	\$43.54
total rate	\$60.38	\$87.44	\$111.06

### Indiana

AEP (Indiana Michigan Power)				FCA: -0.1612
total rate	\$80.71	\$113.58	\$145.76	
Duke Energy Indiana				FCA: 0.8796
total rate	\$67.03	\$90.49	\$113.93	
Indianapolis Power & Light Company				FCA: -0.008665
total rate	\$68.19	\$89.88	\$111.55	
Northern Indiana Public Service Company				FCA: -0.003743
total rate	\$75.30	\$105.93	\$136.58	
Southern Indiana Gas & Electric Company				FCA: -1.0216
total rate	\$85.39	\$121.06	\$156.75	

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Residential Rates in effect July 1, 2020

#### General Service

Fuel Clause  
Adjustment (FCA) in  
cents:

500 kWh 750 kWh 1000 kWh

#### Average For Indiana

total rate	\$75.32	\$104.19	\$132.91
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#### Michigan

AEP (Indiana Michigan Power combined MI rate areas)				FCA:	-0.295
generation	\$58.52	\$86.28	\$114.03		
delivery	\$25.48	\$34.14	\$42.79		
total rate	\$84.00	\$120.42	\$156.82		
Consumers Energy				FCA:	
total rate	\$81.58	\$119.70	\$158.84		
DTE Electric Company				FCA:	-0.311
generation	\$41.83	\$67.50	\$93.37		
delivery	\$44.47	\$62.48	\$80.50		
total rate	\$86.30	\$129.98	\$173.87		
Northern States Power Company (WI)				FCA:	-0.00639
total rate	\$63.11	\$90.16	\$117.21		
Upper Michigan Energy Resources Corporation - Unbundled (formerly We Energies)				FCA:	
total rate	\$32.86	\$44.49	\$56.12		
Upper Michigan Energy Resources Corporation (formerly We Energies)				FCA:	-1.15
total rate	\$73.31	\$104.56	\$135.81		
Upper Michigan Energy Resources Corporation (formerly Wisconsin Public Service Corp.)				FCA:	
total rate	\$72.72	\$98.59	\$124.45		

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Residential Rates in effect July 1, 2020

#### General Service

Fuel Clause  
Adjustment (FCA) in  
cents:

500 kWh 750 kWh 1000 kWh

#### Average For Michigan

generation	\$50.18	\$76.89	\$103.70
delivery	\$34.98	\$48.31	\$61.65
total rate	\$70.55	\$101.13	\$131.87

#### Ohio

##### AEP (Columbus Southern Power Rate Area)

FCA:

generation	\$23.21	\$34.81	\$46.41
transmission	\$12.45	\$18.67	\$24.90
delivery	\$32.51	\$41.90	\$51.31
total rate	\$68.17	\$95.38	\$122.62

##### AEP (Ohio Power Rate Area)

FCA:

generation	\$23.21	\$34.81	\$46.41
transmission	\$12.45	\$18.67	\$24.90
delivery	\$32.48	\$41.87	\$51.26
total rate	\$68.14	\$95.35	\$122.57

##### Cleveland Electric Illuminating Company

FCA:

generation	\$29.46	\$43.89	\$58.34
transmission	\$8.09	\$12.14	\$16.19
delivery	\$25.84	\$35.85	\$45.88
total rate	\$63.39	\$91.88	\$120.41

##### Dayton Power & Light Company

FCA:

generation	\$23.02	\$34.54	\$46.05
transmission	\$1.62	\$2.42	\$3.23
delivery	\$27.62	\$37.21	\$46.49
total rate	\$52.26	\$74.17	\$95.77

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Residential Rates in effect July 1, 2020

#### General Service

Fuel Clause  
Adjustment (FCA) in  
cents:

500 kWh 750 kWh 1000 kWh

Duke Energy Ohio

FCA:

generation	\$27.54	\$41.31	\$55.08
transmission	\$3.89	\$5.82	\$7.77
delivery	\$29.84	\$40.52	\$51.17
total rate	\$61.27	\$87.65	\$114.02

Ohio Edison Company

FCA:

generation	\$29.28	\$43.61	\$57.97
transmission	\$7.54	\$11.30	\$15.07
delivery	\$26.28	\$36.48	\$46.71
total rate	\$63.10	\$91.39	\$119.75

Toledo Edison Company

FCA:

generation	\$28.86	\$43.00	\$57.14
transmission	\$8.32	\$12.48	\$16.64
delivery	\$27.91	\$38.74	\$49.59
total rate	\$65.09	\$94.22	\$123.37

### Average For Ohio

generation	\$26.37	\$39.42	\$52.49
transmission	\$7.77	\$11.64	\$15.53
delivery	\$28.93	\$38.94	\$48.92
total rate	\$63.06	\$90.01	\$116.93

### Wisconsin

Northern States Power Company (WI)

FCA: -0.00077

total rate	\$76.27	\$105.90	\$135.53
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Northwestern Wisconsin Electric Company

FCA: 0.0071

total rate	\$69.05	\$98.08	\$127.10
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Superior Water, Light & Power Company

FCA:

total rate	\$65.25	\$93.38	\$121.50
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Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Residential Rates in effect July 1, 2020

General Service				Fuel Clause Adjustment (FCA) in cents:
	500 kWh	750 kWh	1000 kWh	
We Energies (formerly Wisconsin Electric)				FCA:
total rate	\$82.34	\$115.52	\$148.69	
Wisconsin Public Service Corporation				FCA:
generation	\$39.22	\$58.83	\$78.44	
delivery	\$31.58	\$41.37	\$51.16	
total rate	\$70.80	\$100.20	\$129.60	

### Average For Wisconsin

generation	\$39.22	\$58.83	\$78.44
delivery	\$31.58	\$41.37	\$51.16
total rate	\$72.74	\$102.62	\$132.48

### Average For East North Central

generation	\$31.03	\$46.72	\$62.40
transmission	\$7.20	\$10.79	\$14.39
delivery	\$29.29	\$39.69	\$49.36
total rate	\$68.77	\$97.57	\$125.99

### West North Central

#### Iowa

Interstate Power & Light				FCA:	0.02057
total rate	\$87.65	\$124.98	\$162.30		
MidAmerican Energy - East System				FCA:	0.00775
total rate	\$67.12	\$96.40	\$125.71		
MidAmerican Energy-North System				FCA:	0.00775
total rate	\$65.51	\$93.98	\$122.49		
MidAmerican Energy-South System				FCA:	0.00775
total rate	\$67.15	\$96.45	\$125.77		

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Residential Rates in effect July 1, 2020

#### General Service

Fuel Clause  
Adjustment (FCA) in  
cents:

500 kWh 750 kWh 1000 kWh

#### Average For Iowa

total rate	\$71.86	\$102.95	\$134.07
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#### Kansas

Empire District Electric Company

FCA: 1.687

total rate	\$64.27	\$88.25	\$111.53
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Kansas City Power & Light Company

FCA: 0.01732

transmission	\$0.01	\$0.01	\$0.01
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total rate	\$79.81	\$112.59	\$145.37
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Westar Energy-KGE

FCA: 2.0582

transmission	\$7.77	\$11.66	\$15.55
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total rate	\$69.92	\$97.64	\$126.10
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Westar Energy-KPL

FCA: 2.0582

transmission	\$7.77	\$11.66	\$15.55
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total rate	\$69.92	\$97.64	\$126.10
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#### Average For Kansas

transmission	\$5.18	\$7.78	\$10.37
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total rate	\$70.98	\$99.03	\$127.28
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#### Minnesota

Northern States Power Company (MN)

FCA: 2.717

total rate	\$79.14	\$114.21	\$149.27
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Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Residential Rates in effect July 1, 2020

	General Service			Fuel Clause Adjustment (FCA) in cents:	
	500 kWh	750 kWh	1000 kWh		
Otter Tail Power Company				FCA:	-0.00388
total rate	\$66.01	\$94.14	\$122.27		

### Average For Minnesota

total rate	\$72.58	\$104.18	\$135.77
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### Missouri

Ameren Missouri				FCA:	-0.00207
total rate	\$69.27	\$99.37	\$129.48		
Empire District Electric Company				FCA:	0.00043
total rate	\$75.86	\$107.29	\$138.72		
Kansas City Power & Light - GMO				FCA:	0.00175
total rate	\$70.00	\$99.26	\$128.52		
Kansas City Power & Light Company				FCA:	0.00011
total rate	\$82.03	\$117.30	\$152.58		

### Average For Missouri

total rate	\$74.29	\$105.81	\$137.33
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### North Dakota

Montana-Dakota Utilities Company				FCA:	1.8
total rate	\$59.83	\$82.75	\$105.67		
Northern States Power Company (MN)				FCA:	2.157
total rate	\$65.92	\$91.64	\$117.35		

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Residential Rates in effect July 1, 2020

#### General Service

Fuel Clause  
Adjustment (FCA) in  
cents:

500 kWh 750 kWh 1000 kWh

Otter Tail Power Company

FCA: 1.848

total rate \$71.95 \$100.11 \$128.27

### Average For North Dakota

total rate \$65.90 \$91.50 \$117.10

### South Dakota

Black Hills Power, Inc. d/b/a Black Hills Energy

FCA: 1.482

total rate \$75.10 \$106.64 \$138.19

MidAmerican Energy

FCA: -0.00433

total rate \$49.33 \$69.98 \$90.65

Montana-Dakota Utilities Company

FCA: 1.67

total rate \$61.94 \$89.15 \$116.36

Northern States Power Company (MN)

FCA: 1.651

total rate \$68.05 \$97.95 \$127.85

Northwestern Energy

FCA: 0.02048

total rate \$70.19 \$102.13 \$132.22

Otter Tail Power Company

FCA: 1.803

total rate \$63.08 \$89.46 \$115.83

### Average For South Dakota

total rate \$64.61 \$92.55 \$120.18



Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Residential Rates in effect July 1, 2020

#### General Service

Fuel Clause  
Adjustment (FCA) in  
cents:

500 kWh 750 kWh 1000 kWh

#### Average For West North Central

transmission	\$5.18	\$7.78	\$10.37
total rate	\$69.52	\$98.67	\$127.77

### South Atlantic

#### District of Columbia

Potomac Electric Power Company

FCA:

generation	\$30.64	\$45.95	\$61.27
transmission	\$3.83	\$5.81	\$7.78
delivery	\$26.31	\$35.34	\$44.39
total rate	\$60.78	\$87.10	\$113.44

#### Average For District of Columbia

generation	\$30.64	\$45.95	\$61.27
transmission	\$3.83	\$5.81	\$7.78
delivery	\$26.31	\$35.34	\$44.39
total rate	\$60.78	\$87.10	\$113.44

#### Florida

Duke Energy Florida

FCA: 3.067

total rate	\$70.51	\$100.29	\$130.09
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Florida Power & Light Company

FCA: 2.204

total rate	\$52.50	\$74.46	\$96.43
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Florida Public Utilities Company

FCA: 7.46

total rate	\$78.42	\$105.95	\$133.49
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Gulf Power Company

FCA: 3.262

total rate	\$80.06	\$110.27	\$140.43
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Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Residential Rates in effect July 1, 2020

#### General Service

Fuel Clause  
Adjustment (FCA) in  
cents:

500 kWh 750 kWh 1000 kWh

Tampa Electric Company

FCA: 2.285

total rate \$1.18 \$1.57 \$1.97

### Average For Florida

total rate \$56.53 \$78.51 \$100.48

### Georgia

Georgia Power Company

FCA: 2.3375

total rate \$62.87 \$92.63 \$129.88

### Average For Georgia

total rate \$62.87 \$92.63 \$129.88

### Maryland

Baltimore Gas & Electric Company

FCA:

generation \$28.43 \$42.65 \$56.86

transmission \$5.58 \$8.37 \$11.16

delivery \$28.89 \$39.18 \$49.46

total rate \$62.90 \$90.19 \$117.48

Potomac Edison Company

FCA:

generation \$28.50 \$42.75 \$56.99

transmission \$1.98 \$2.97 \$3.96

delivery \$23.72 \$32.58 \$41.43

total rate \$54.20 \$78.30 \$102.38

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Residential Rates in effect July 1, 2020

#### General Service

Fuel Clause  
Adjustment (FCA) in  
cents:

500 kWh 750 kWh 1000 kWh

Potomac Electric Power (Montgomery County)

FCA:

generation	\$24.56	\$36.85	\$49.13
transmission	\$9.15	\$13.73	\$18.31
delivery	\$51.86	\$73.54	\$95.23
total rate	\$85.57	\$124.12	\$162.67

Potomac Electric Power (Prince George's County)

FCA:

generation	\$24.56	\$36.85	\$49.13
transmission	\$9.15	\$13.73	\$18.31
delivery	\$46.21	\$65.06	\$83.92
total rate	\$79.92	\$115.64	\$151.36

### Average For Maryland

generation	\$26.51	\$39.77	\$53.03
transmission	\$6.47	\$9.70	\$12.94
delivery	\$37.67	\$52.59	\$67.51
total rate	\$70.65	\$102.06	\$133.47

### North Carolina

Dominion Energy North Carolina

FCA: 0.00014

total rate	\$66.19	\$93.66	\$121.13
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Duke Energy Carolinas

FCA: 0.1675

total rate	\$60.92	\$83.95	\$106.97
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Duke Energy Progress, Inc.

FCA:

total rate	\$67.21	\$94.42	\$121.63
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### Average For North Carolina

total rate	\$64.77	\$90.68	\$116.58
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Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Residential Rates in effect July 1, 2020

#### General Service

Fuel Clause  
Adjustment (FCA) in  
cents:

500 kWh 750 kWh 1000 kWh

#### South Carolina

Dominion Energy South Carolina (formerly SCE&G)				FCA:	2.359
total rate	\$65.92	\$94.04	\$124.45		
Duke Energy Carolinas				FCA:	0.1811
total rate	\$67.36	\$94.75	\$122.14		
Duke Energy Progress, Inc.				FCA:	
total rate	\$67.62	\$93.70	\$119.78		

#### Average For South Carolina

total rate	\$66.97	\$94.16	\$122.12
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#### Virginia

AEP (Appalachian Power Rate Area)				FCA:	2.3
generation	\$32.33	\$48.48	\$64.65		
transmission	\$10.02	\$15.03	\$20.03		
delivery	\$15.90	\$20.13	\$24.36		
total rate	\$58.25	\$83.64	\$109.04		
Dominion Energy Virginia				FCA:	0.017357
generation	\$34.22	\$51.33	\$72.18		
transmission	\$9.86	\$14.79	\$19.72		
delivery	\$18.39	\$24.29	\$28.37		
total rate	\$62.47	\$90.41	\$120.27		
Old Dominion Power Company				FCA:	2.183
total rate	\$66.90	\$94.35	\$121.80		

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Residential Rates in effect July 1, 2020

#### General Service

Fuel Clause  
Adjustment (FCA) in  
cents:

500 kWh 750 kWh 1000 kWh

#### Average For Virginia

generation	\$33.28	\$49.91	\$68.42
transmission	\$9.94	\$14.91	\$19.88
delivery	\$17.15	\$22.21	\$26.37
total rate	\$62.54	\$89.47	\$117.04

#### West Virginia

AEP (Appalachian Power Rate Area)				FCA:
total rate	\$73.93	\$101.99	\$130.04	
AEP (Wheeling Power Rate Area)				FCA:
total rate	\$73.93	\$101.99	\$130.04	
Monongahela Power Company				FCA:
total rate	\$55.93	\$81.40	\$106.86	
Potomac Edison Company				FCA:
total rate	\$55.93	\$81.40	\$106.86	

#### Average For West Virginia

total rate	\$64.93	\$91.70	\$118.45
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#### Average For South Atlantic

generation	\$29.03	\$43.55	\$58.60
transmission	\$7.08	\$10.63	\$14.18
delivery	\$30.18	\$41.45	\$52.45
total rate	\$63.81	\$90.43	\$117.53

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Residential Rates in effect July 1, 2020

#### General Service

Fuel Clause  
Adjustment (FCA) in  
cents:

500 kWh 750 kWh 1000 kWh

### East South Central

#### Alabama

Alabama Power Company				FCA:	2.392
total rate	\$78.25	\$109.91	\$141.58		

#### Average For Alabama

total rate	\$78.25	\$109.91	\$141.58
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#### Kentucky

AEP (Kentucky Power Rate Area)				FCA:	-0.01226
total rate	\$63.53	\$87.33	\$111.12		
Duke Energy Kentucky				FCA:	-0.002343
total rate	\$51.56	\$70.58	\$89.60		
Kentucky Utilities Company				FCA:	-0.351
total rate	\$62.45	\$85.19	\$107.93		
Louisville Gas & Electric Company				FCA:	-0.115
total rate	\$64.14	\$88.86	\$113.58		

#### Average For Kentucky

total rate	\$60.42	\$82.99	\$105.56
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#### Mississippi

Entergy Mississippi, Inc.				FCA:	-0.027942
total rate	\$60.39	\$78.62	\$96.82		

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Residential Rates in effect July 1, 2020

	General Service			Fuel Clause Adjustment (FCA) in cents:	
	500 kWh	750 kWh	1000 kWh		
Mississippi Power Company				FCA:	2.4409
total rate	\$77.57	\$105.10	\$135.53		
<b>Average For Mississippi</b>					
total rate	\$68.98	\$91.86	\$116.18		

### Tennessee

AEP (Kingsport Power Rate Area)				FCA:	0.08044
total rate	\$56.64	\$77.19	\$97.76		
<b>Average For Tennessee</b>					
total rate	\$56.64	\$77.19	\$97.76		

### Average For East South Central

total rate	\$64.32	\$87.85	\$111.74
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### West South Central

#### Arkansas

Empire District Electric Company				FCA:	2.392
total rate	\$66.71	\$95.41	\$124.53		
Entergy Arkansas, Inc.				FCA:	1.052
total rate	\$60.70	\$86.16	\$111.60		

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Residential Rates in effect July 1, 2020

General Service				Fuel Clause Adjustment (FCA) in cents:
	500 kWh	750 kWh	1000 kWh	
OG&E Electric Services				FCA: 1.8491
total rate	\$48.89	\$67.11	\$84.70	
Southwestern Electric Power Company				FCA: 3.3405
total rate	\$60.08	\$85.12	\$110.17	

### Average For Arkansas

total rate	\$59.10	\$83.45	\$107.75
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### Louisiana

CLECO Power LLC				FCA: 0.025975
total rate	\$65.06	\$92.09	\$116.47	
Entergy Louisiana, Inc.				FCA: 1.8
total rate	\$51.30	\$74.82	\$98.32	
Entergy Louisiana, LLC (formerly Entergy Gulf States, Inc.)				FCA: 1.8
total rate	\$51.61	\$71.86	\$92.10	
Entergy New Orleans, Inc.				FCA: 1.2338
total rate	\$61.05	\$86.97	\$112.91	
Southwestern Electric Power Company				FCA: 2.5144
total rate	\$57.66	\$83.03	\$108.40	

### Average For Louisiana

total rate	\$57.34	\$81.75	\$105.64
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Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Residential Rates in effect July 1, 2020

#### General Service

Fuel Clause  
Adjustment (FCA) in  
cents:

500 kWh 750 kWh 1000 kWh

#### Oklahoma

Empire District Electric Company				FCA:	1.8397
total rate	\$67.01	\$92.82	\$117.68		
OG&E Electric Services				FCA:	2.1815
total rate	\$58.50	\$77.69	\$94.62		
Public Service Company of Oklahoma				FCA:	2.5519
total rate	\$50.29	\$78.10	\$97.77		
total rate	\$50.32	\$78.15	\$97.84		

#### Average For Oklahoma

total rate \$56.53 \$81.69 \$101.98

#### Texas

AEP Texas Central Company (formerly Central Power & Light)				FCA:	
transmission	\$5.56	\$8.33	\$11.11		
delivery	\$14.96	\$20.29	\$25.64		
ctc	\$5.98	\$8.96	\$11.95		
total rate	\$26.50	\$37.58	\$48.70		
AEP Texas North Company (formerly West Texas Utilities)				FCA:	
transmission	\$5.56	\$8.33	\$11.11		
delivery	\$12.05	\$16.26	\$20.50		
total rate	\$17.61	\$24.59	\$31.61		
El Paso Electric Company				FCA:	0.6211
total rate	\$61.66	\$89.22	\$117.24		
Entergy Texas				FCA:	2.33406
total rate	\$62.40	\$87.52	\$112.65		

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Residential Rates in effect July 1, 2020

General Service				Fuel Clause Adjustment (FCA) in cents:	
	500 kWh	750 kWh	1000 kWh		
Southwestern Electric Power Company				FCA:	3.406
total rate	\$63.58	\$91.37	\$119.16		
Southwestern Public Service				FCA:	1.6852
total rate	\$57.09	\$80.63	\$104.17		

### Average For Texas

transmission	\$5.56	\$8.33	\$11.11
delivery	\$13.50	\$18.28	\$23.07
ctc	\$5.98	\$8.96	\$11.95
total rate	\$48.14	\$68.49	\$88.92

### Average For West South Central

transmission	\$5.56	\$8.33	\$11.11
delivery	\$13.50	\$18.28	\$23.07
ctc	\$5.98	\$8.96	\$11.95
total rate	\$54.63	\$77.91	\$100.03

### Mountain

#### Arizona

Arizona Public Service Company				FCA:	-0.0456
generation	\$34.61	\$56.18	\$92.54		
transmission	\$6.59	\$9.88	\$13.17		
delivery	\$27.44	\$41.14	\$47.94		
total rate	\$68.64	\$107.20	\$153.65		
Tucson Electric Power Company				FCA:	0.001515
total rate	\$73.93	\$106.03	\$136.98		
Unisource Electric Company				FCA:	-0.007523
total rate	\$60.29	\$82.88	\$105.47		

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Residential Rates in effect July 1, 2020

#### General Service

Fuel Clause  
Adjustment (FCA) in  
cents:

500 kWh 750 kWh 1000 kWh

#### Average For Arizona

generation	\$34.61	\$56.18	\$92.54
transmission	\$6.59	\$9.88	\$13.17
delivery	\$27.44	\$41.14	\$47.94
total rate	\$67.62	\$98.70	\$132.03

#### Colorado

Black Hills/Colorado Electric				FCA:	3.452
total rate	\$81.32	\$124.96	\$168.60		
Public Service Company of Colorado				FCA:	0.02522
total rate	\$53.60	\$88.94	\$124.27		

#### Average For Colorado

total rate	\$67.46	\$106.95	\$146.43
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#### Idaho

Avista Corp.				FCA:	-0.058
total rate	\$48.95	\$72.00	\$96.10		
Idaho Power Company				FCA:	
total rate	\$52.91	\$76.80	\$104.23		
PacifiCorp				FCA:	
total rate	\$58.55	\$80.67	\$102.70		

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Residential Rates in effect July 1, 2020

#### General Service

Fuel Clause  
Adjustment (FCA) in  
cents:

500 kWh 750 kWh 1000 kWh

#### Average For Idaho

total rate	\$53.47	\$76.49	\$101.01
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#### Montana

Black Hills Power, Inc. d/b/a Black Hills Energy

FCA:

total rate	\$37.65	\$52.98	\$68.30
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Montana-Dakota Utilites Company

FCA:

1.98

total rate	\$63.88	\$92.63	\$121.37
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NorthWestern Energy (formerly Montana Power)

FCA:

generation	\$34.68	\$52.02	\$69.36
transmission	\$5.20	\$7.80	\$10.40
delivery	\$21.20	\$29.79	\$38.38
ctc	\$1.66	\$2.49	\$3.32
total rate	\$62.74	\$92.10	\$121.46

#### Average For Montana

generation	\$34.68	\$52.02	\$69.36
transmission	\$5.20	\$7.80	\$10.40
delivery	\$21.20	\$29.79	\$38.38
ctc	\$1.66	\$2.49	\$3.32
total rate	\$54.76	\$79.24	\$103.71

#### Nevada

Nevada Power Company - NV Energy

FCA:

-0.00251

total rate	\$64.37	\$90.30	\$116.23
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Sierra Pacific Power Company - NV Energy

FCA:

total rate	\$56.23	\$76.71	\$97.20
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Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Residential Rates in effect July 1, 2020

#### General Service

Fuel Clause  
Adjustment (FCA) in  
cents:

500 kWh 750 kWh 1000 kWh

#### Average For Nevada

total rate	\$60.30	\$83.51	\$106.72
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#### New Mexico

El Paso Electric Company

FCA: 0.029921

total rate	\$64.35	\$95.77	\$128.95
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Southwestern Public Service

FCA: 1.9115

total rate	\$62.76	\$89.19	\$115.62
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#### Average For New Mexico

total rate	\$63.56	\$92.48	\$122.29
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#### Utah

PacifiCorp

FCA:

total rate	\$53.63	\$82.81	\$111.99
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#### Average For Utah

total rate	\$53.63	\$82.81	\$111.99
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Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Residential Rates in effect July 1, 2020

#### General Service

Fuel Clause  
Adjustment (FCA) in  
cents:

500 kWh 750 kWh 1000 kWh

#### Wyoming

Black Hills Power, Inc. d/b/a Black Hills Energy				FCA:	0.07
total rate	\$69.97	\$97.21	\$124.44		
Cheyenne Light, Fuel & Power d/b/a Black Hills Energy				FCA:	0.563
total rate	\$77.53	\$109.80	\$142.06		
Montana-Dakota Utilities Company				FCA:	3.48
total rate	\$62.30	\$81.75	\$101.20		
PacifiCorp				FCA:	
total rate	\$45.94	\$74.73	\$103.52		

#### Average For Wyoming

total rate	\$63.93	\$90.87	\$117.81
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#### Average For Mountain

generation	\$34.65	\$54.10	\$80.95
transmission	\$5.90	\$8.84	\$11.79
delivery	\$24.32	\$35.47	\$43.16
ctc	\$1.66	\$2.49	\$3.32
total rate	\$60.98	\$88.77	\$117.22

#### Pacific

##### California

Pacific Gas & Electric Company				FCA:	
total rate	\$122.89	\$193.28	\$263.68		

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Residential Rates in effect July 1, 2020

#### General Service

Fuel Clause  
Adjustment (FCA) in  
cents:

500 kWh 750 kWh 1000 kWh

PacifiCorp

FCA:

generation	\$30.37	\$46.29	\$62.22
transmission	\$2.70	\$4.04	\$5.39
delivery	\$32.92	\$49.51	\$66.09
ctc	\$2.32	\$3.47	\$4.63
total rate	\$74.96	\$113.31	\$151.66

Southern California Edison

FCA:

generation	\$48.08	\$72.12	\$96.16
transmission	\$9.39	\$14.09	\$18.78
delivery	\$45.32	\$67.65	\$89.97
total rate	\$120.35	\$203.90	\$287.45

### Average For California

generation	\$39.22	\$59.21	\$79.19
transmission	\$6.04	\$9.07	\$12.09
delivery	\$39.12	\$58.58	\$78.03
ctc	\$2.32	\$3.47	\$4.63
total rate	\$106.07	\$170.17	\$234.26

### Oregon

Idaho Power Company

FCA:

total rate	\$50.93	\$74.44	\$97.95
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PacifiCorp

FCA:

generation	\$23.93	\$35.90	\$47.86
transmission	\$2.37	\$3.55	\$4.73
delivery	\$30.55	\$40.58	\$50.60
total rate	\$56.85	\$80.02	\$103.19

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Residential Rates in effect July 1, 2020

General Service				Fuel Clause Adjustment (FCA) in cents:
	500 kWh	750 kWh	1000 kWh	
Portland General Electric Company				FCA: 0.176
generation	\$27.96	\$41.93	\$55.91	
transmission	\$1.22	\$1.82	\$2.43	
delivery	\$39.13	\$52.73	\$66.30	
ctc	\$0.88	\$1.32	\$1.76	
total rate	\$69.46	\$98.20	\$126.91	
<hr/>				
<b>Average For Oregon</b>				
generation	\$25.95	\$38.91	\$51.89	
transmission	\$1.79	\$2.68	\$3.58	
delivery	\$34.84	\$46.66	\$58.45	
ctc	\$0.88	\$1.32	\$1.76	
total rate	\$59.08	\$84.22	\$109.35	
<hr/>				
<b>Washington</b>				
Avista Corp.				FCA: -0.418
total rate	\$48.41	\$68.11	\$90.46	
PacifiCorp				FCA:
total rate	\$37.14	\$57.30	\$81.36	
Puget Sound Energy				FCA:
total rate	\$50.77	\$75.25	\$101.63	
<hr/>				
<b>Average For Washington</b>				
total rate	\$45.44	\$66.89	\$91.15	



Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Residential Rates in effect July 1, 2020

#### General Service

Fuel Clause  
Adjustment (FCA) in  
cents:

500 kWh 750 kWh 1000 kWh

#### Average For Pacific

generation	\$32.58	\$49.06	\$65.54
transmission	\$3.92	\$5.88	\$7.83
delivery	\$36.98	\$52.62	\$68.24
ctc	\$1.60	\$2.40	\$3.20
total rate	\$70.19	\$107.09	\$144.92

#### Hawaii

##### Hawaii

Hawaii Electric Light Company				FCA:	11.359
total rate	\$154.68	\$230.64	\$306.64		
Hawaiian Electric Company				FCA:	10.128
total rate	\$137.84	\$202.44	\$267.04		
Maui Electric Company (Lanai)				FCA:	16.335
total rate	\$166.81	\$246.99	\$328.92		
Maui Electric Company (Maui)				FCA:	14.702
total rate	\$154.77	\$229.77	\$304.76		
Maui Electric Company (Molokai)				FCA:	10.471
total rate	\$146.53	\$216.76	\$289.86		

#### Average For Hawaii

total rate	\$152.13	\$225.32	\$299.44
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Edison Electric Institute

# Typical Electric Bills

(in \$/month)

## Residential Rates in effect July 1, 2020

### General Service

Fuel Clause  
Adjustment (FCA) in  
cents:

500 kWh 750 kWh 1000 kWh

### Average For Hawaii

total rate	\$152.13	\$225.32	\$299.44
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### Average For USA

generation	\$34.03	\$51.85	\$69.06
transmission	\$8.78	\$13.54	\$17.55
delivery	\$39.11	\$53.53	\$69.50
ctc	\$1.15	\$1.88	\$2.30
total rate	\$72.75	\$104.56	\$136.52

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Commercial Rates in effect July 1, 2020

#### General Service

Fuel Clause  
Adjustment (FCA) in  
cents:

Demand:			40 kW	40 kW	500 kW	500 kW
Consumption:	375 kWh	1500 kWh	10,000 kWh	14,000 kWh	150,000 kWh	180,000 kWh

## New England

### Connecticut

#### Connecticut Light & Power Company

FCA:

generation	\$28	\$111	\$742	\$1,039	\$9,598	\$11,518
transmission			\$366	\$366	\$4,500	\$4,500
delivery	\$58	\$99	\$993	\$1,140	\$10,988	\$12,402
ctc			(\$2)	(\$2)	(\$30)	(\$30)
total rate	\$86	\$210	\$2,099	\$2,542	\$25,056	\$28,390

#### United Illuminating Company

FCA:

generation	\$32	\$128	\$851	\$1,192	\$13,207	\$15,848
transmission	\$10	\$42	\$353	\$353	\$4,415	\$4,415
delivery	\$49	\$102	\$714	\$824	\$8,650	\$9,472
ctc		\$21	\$141	\$197	\$2,111	\$2,533
total rate	\$91	\$292	\$2,059	\$2,566	\$28,382	\$32,268

### Average For Connecticut

generation	\$30	\$120	\$797	\$1,115	\$11,403	\$13,683
transmission	\$10	\$42	\$359	\$359	\$4,458	\$4,458
delivery	\$53	\$101	\$854	\$982	\$9,819	\$10,937
ctc		\$21	\$69	\$97	\$1,041	\$1,252
total rate	\$88	\$251	\$2,079	\$2,554	\$26,719	\$30,329

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Commercial Rates in effect July 1, 2020

#### General Service

Fuel Clause  
Adjustment (FCA) in  
cents:

Demand:			40 kW	40 kW	500 kW	500 kW
Consumption:	375 kWh	1500 kWh	10,000 kWh	14,000 kWh	150,000 kWh	180,000 kWh

#### Maine

##### Emera Maine - Bangor Hydro District

FCA:

generation	\$26	\$103	\$592	\$829	\$5,295	\$6,354
transmission	\$15	\$60	\$560	\$560	\$6,765	\$6,765
delivery	\$34	\$89	\$462	\$484	\$2,090	\$2,259
ctc	(\$1)	(\$3)	(\$20)	(\$29)	(\$306)	(\$367)
total rate	\$74	\$249	\$1,594	\$1,845	\$13,844	\$15,010

##### Emera Maine - Maine Public District

FCA:

generation	\$25	\$101	\$673	\$942	\$12,750	\$15,300
transmission	\$10	\$40	\$269	\$376	\$2,440	\$2,440
delivery	\$34	\$89	\$507	\$704	\$4,684	\$4,978
ctc	\$0	\$2	\$12	\$16	\$174	\$209
total rate	\$70	\$233	\$1,461	\$2,039	\$20,048	\$22,927

#### Average For Maine

generation	\$26	\$102	\$633	\$886	\$9,023	\$10,827
transmission	\$13	\$50	\$415	\$468	\$4,603	\$4,603
delivery	\$34	\$89	\$485	\$594	\$3,387	\$3,618
ctc	\$0	(\$1)	(\$4)	(\$6)	(\$66)	(\$79)
total rate	\$72	\$241	\$1,527	\$1,942	\$16,946	\$18,969

#### Massachusetts

##### Boston Edison Company

FCA:

generation	\$35	\$142	\$946	\$1,324	\$12,735	\$15,282
transmission	\$9	\$35	\$635	\$635	\$4,500	\$4,500
delivery	\$49	\$171	\$1,072	\$1,215	\$10,770	\$11,316
ctc	\$0	\$0		\$0	\$3	\$4
total rate	\$93	\$348	\$2,653	\$3,174	\$28,008	\$31,102

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Commercial Rates in effect July 1, 2020

#### General Service

Fuel Clause  
Adjustment (FCA) in  
cents:

Demand: Consumption:	375 kWh	1500 kWh	40 kW 10,000 kWh	40 kW 14,000 kWh	500 kW 150,000 kWh	500 kW 180,000 kWh
Cambridge Electric Company						
						FCA:
generation	\$35	\$142	\$946	\$1,324	\$12,735	\$15,282
transmission	\$10	\$39	\$310	\$310	\$6,002	\$6,002
delivery	\$27	\$91	\$612	\$747	\$7,486	\$8,335
ctc	\$0	\$0		\$0	\$3	\$4
total rate	\$72	\$272	\$1,868	\$2,382	\$26,226	\$29,622
Commonwealth Electric Company						
						FCA:
generation	\$35	\$142	\$946	\$1,324	\$12,036	\$14,443
transmission	\$9	\$37	\$244	\$341	\$4,563	\$4,563
delivery	\$31	\$106	\$584	\$724	\$5,394	\$6,177
ctc	\$0	\$0		\$0	\$3	\$4
total rate	\$76	\$285	\$1,774	\$2,389	\$21,996	\$25,186
Fitchburg Gas & Electric Light Company						
						FCA:
generation	\$35	\$122	\$811	\$1,136		
transmission	\$8	\$32	\$211	\$295		
delivery	\$50	\$147	\$927	\$1,146		
ctc	(\$1)	(\$2)	(\$16)	(\$22)		
total rate	\$92	\$299	\$1,933	\$2,555		
National Grid (Massachusetts Electric Company)						
						FCA:
generation	\$32	\$126	\$809	\$1,133	\$12,138	\$14,566
transmission	\$9	\$35	\$228	\$320	\$3,306	\$3,967
delivery	\$39	\$126	\$778	\$907	\$7,002	\$7,662
ctc	\$0	(\$1)	(\$9)	(\$12)	(\$125)	(\$149)
total rate	\$79	\$286	\$1,807	\$2,348	\$22,321	\$26,046

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Commercial Rates in effect July 1, 2020

General Service							Fuel Clause Adjustment (FCA) in cents:
Demand: Consumption:	375 kWh	1500 kWh	40 kW 10,000 kWh	40 kW 14,000 kWh	500 kW 150,000 kWh	500 kW 180,000 kWh	
Western Massachusetts Electric Company							FCA:
generation	\$32	\$129	\$862	\$1,207	\$11,412	\$13,694	
transmission			\$289	\$289	\$4,320	\$4,320	
delivery	\$39	\$67	\$651	\$748	\$6,761	\$7,286	
ctc	\$0	\$0		\$0	\$3	\$4	
total rate	\$71	\$196	\$1,802	\$2,244	\$22,496	\$25,304	

### Average For Massachusetts

generation	\$34	\$134	\$887	\$1,241	\$12,211	\$14,653
transmission	\$9	\$36	\$319	\$365	\$4,538	\$4,670
delivery	\$39	\$118	\$771	\$914	\$7,483	\$8,155
ctc	\$0	(\$1)	(\$12)	(\$5)	(\$23)	(\$27)
total rate	\$80	\$281	\$1,973	\$2,515	\$24,209	\$27,452

### New Hampshire

Public Service Company of New Hampshire d/b/a Eversource Energy							FCA:
generation	\$31	\$125	\$831	\$1,163	\$12,241	\$14,689	
transmission	\$8	\$18	\$256	\$273	\$3,800	\$3,800	
delivery	\$48	\$84	\$552	\$609	\$4,903	\$5,265	
ctc	\$3	\$12	\$105	\$137	\$1,315	\$1,512	
total rate	\$89	\$239	\$1,744	\$2,181	\$22,259	\$25,267	

Unitil Energy Systems, Inc.							FCA:
generation	\$22	\$88	\$587	\$822			
transmission	\$9	\$38	\$250	\$350			
delivery	\$48	\$105	\$533	\$567			
ctc	\$0	\$0	(\$1)	(\$1)			
total rate	\$79	\$230	\$1,370	\$1,738			

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Commercial Rates in effect July 1, 2020

#### General Service

Fuel Clause  
Adjustment (FCA) in  
cents:

Demand:			40 kW	40 kW	500 kW	500 kW
Consumption:	375 kWh	1500 kWh	10,000 kWh	14,000 kWh	150,000 kWh	180,000 kWh

#### Average For New Hampshire

generation	\$27	\$106	\$709	\$993	\$12,241	\$14,689
transmission	\$9	\$28	\$253	\$312	\$3,800	\$3,800
delivery	\$48	\$95	\$543	\$588	\$4,903	\$5,265
ctc	\$1	\$6	\$52	\$68	\$1,315	\$1,512
total rate	\$84	\$235	\$1,557	\$1,960	\$22,259	\$25,267

#### Rhode Island

Narragansett Electric Company

FCA:

generation	\$29	\$116	\$744	\$1,042	\$9,909	\$11,891
transmission	\$10	\$40	\$259	\$293	\$4,077	\$4,445
delivery	\$48	\$148	\$863	\$1,036	\$9,218	\$10,426
ctc	\$0	(\$1)	(\$8)	(\$11)	(\$123)	(\$148)
total rate	\$87	\$304	\$1,858	\$2,360	\$23,081	\$26,614

#### Average For Rhode Island

generation	\$29	\$116	\$744	\$1,042	\$9,909	\$11,891
transmission	\$10	\$40	\$259	\$293	\$4,077	\$4,445
delivery	\$48	\$148	\$863	\$1,036	\$9,218	\$10,426
ctc	\$0	(\$1)	(\$8)	(\$11)	(\$123)	(\$148)
total rate	\$87	\$304	\$1,858	\$2,360	\$23,081	\$26,614

#### Vermont

Green Mountain Power (CVPS Zone)

FCA:

total rate	\$85	\$285	\$1,742	\$2,375	\$23,387	\$26,134
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Green Mountain Power Corporation (GMP Zone)

FCA:

total rate	\$82	\$272	\$1,789	\$2,174	\$23,405	\$26,293
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Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Commercial Rates in effect July 1, 2020

#### General Service

Fuel Clause  
Adjustment (FCA) in  
cents:

Demand:			40 kW	40 kW	500 kW	500 kW
Consumption:	375 kWh	1500 kWh	10,000 kWh	14,000 kWh	150,000 kWh	180,000 kWh

#### Average For Vermont

total rate	\$84	\$279	\$1,766	\$2,275	\$23,396	\$26,214
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#### Average For New England

generation	\$31	\$121	\$795	\$1,114	\$11,278	\$13,533
transmission	\$10	\$38	\$325	\$366	\$4,426	\$4,520
delivery	\$43	\$110	\$711	\$835	\$7,086	\$7,780
ctc	\$0	\$2	\$22	\$21	\$275	\$325
total rate	\$82	\$267	\$1,837	\$2,328	\$23,116	\$26,166

#### Mid-Atlantic

##### New Jersey

##### Jersey Central Power & Light Company

FCA:

generation	\$27	\$108	\$720	\$1,007	\$10,793	\$12,951
transmission	\$4	\$18	\$122	\$171	\$1,832	\$2,198
delivery	\$28	\$77	\$391	\$451	\$5,352	\$5,801
ctc			\$1	\$1	\$16	\$19
total rate	\$59	\$203	\$1,234	\$1,630	\$17,993	\$20,969

##### Public Service Electric & Gas Company

FCA:

generation	\$61	\$115	\$1,060	\$1,250	\$17,385	\$18,271
delivery	\$49	\$66	\$669	\$728	\$8,181	\$8,555
ctc			\$1	\$2	\$19	\$22
total rate	\$110	\$181	\$1,730	\$1,980	\$25,585	\$26,848



Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Commercial Rates in effect July 1, 2020

General Service							Fuel Clause Adjustment (FCA) in cents:
Demand: Consumption:	375 kWh	1500 kWh	40 kW 10,000 kWh	40 kW 14,000 kWh	500 kW 150,000 kWh	500 kW 180,000 kWh	
Rockland Electric Company							FCA:
generation	\$22	\$86	\$660	\$839	\$9,603	\$10,946	
delivery	\$36	\$96	\$759	\$934	\$10,320	\$11,632	
total rate	\$58	\$183	\$1,419	\$1,773	\$19,923	\$22,578	
Average For New Jersey							
generation	\$37	\$103	\$813	\$1,032	\$12,594	\$14,056	
transmission	\$4	\$18	\$122	\$171	\$1,832	\$2,198	
delivery	\$38	\$80	\$606	\$704	\$7,951	\$8,663	
ctc			\$1	\$2	\$18	\$21	
total rate	\$76	\$189	\$1,461	\$1,794	\$21,167	\$23,465	
New York							
Central Hudson Gas & Electric Corporation							FCA:
generation	\$18	\$73	\$448	\$627	\$7,035	\$8,083	
delivery	\$49	\$103	\$664	\$705	\$6,508	\$6,788	
total rate	\$67	\$176	\$1,111	\$1,332	\$13,544	\$14,871	
Consolidated Edison Company of New York							FCA: 0.018512
generation	\$38	\$152	\$1,030	\$1,217	\$14,041	\$15,443	
delivery	\$88	\$260	\$1,498	\$1,628	\$18,863	\$19,840	
ctc	\$2	\$9	\$60	\$83	\$892	\$1,071	
total rate	\$128	\$421	\$2,587	\$2,928	\$33,796	\$36,354	
LIPA							FCA: 0.104944
generation	\$39	\$157	\$1,049	\$1,469	\$15,742	\$18,890	
delivery	\$59	\$194	\$1,121	\$1,258	\$19,590	\$20,493	
total rate	\$99	\$351	\$2,170	\$2,727	\$35,331	\$39,382	

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Commercial Rates in effect July 1, 2020

#### General Service

Fuel Clause  
Adjustment (FCA) in  
cents:

Demand: Consumption:	375 kWh	1500 kWh	40 kW 10,000 kWh	40 kW 14,000 kWh	500 kW 150,000 kWh	500 kW 180,000 kWh	
National Grid (Niagara Mohawk Power Corporation)							FCA:
generation	\$17	\$68	\$370	\$517	\$5,369	\$6,131	
delivery	\$47	\$126	\$625	\$657	\$6,769	\$7,005	
total rate	\$65	\$195	\$994	\$1,174	\$12,138	\$13,136	
New York State Electric & Gas Corporation							FCA:
generation	\$16	\$65	\$358	\$501	\$5,365	\$6,438	
delivery	\$36	\$90	\$529	\$575	\$6,611	\$6,950	
ctc	\$2	\$7	\$47	\$66	\$708	\$850	
total rate	\$54	\$162	\$934	\$1,141	\$12,684	\$14,239	
Orange & Rockland Utilities, Inc.							FCA:
generation	\$17	\$69	\$462	\$647	\$6,540	\$7,848	
delivery	\$57	\$122	\$1,172	\$1,332	\$12,812	\$13,171	
total rate	\$78	\$203	\$1,512	\$1,932	\$18,524	\$20,969	
Rochester Gas & Electric Corporation							FCA:
generation	\$17	\$67	\$373	\$522	\$5,212	\$6,254	
delivery	\$36	\$78	\$954	\$1,038	\$9,923	\$10,116	
ctc	\$0	\$0	(\$1)	(\$1)	(\$8)	(\$9)	
total rate	\$53	\$145	\$1,326	\$1,560	\$15,127	\$16,361	

#### Average For New York

generation	\$23	\$93	\$584	\$786	\$8,472	\$9,870
delivery	\$53	\$139	\$937	\$1,028	\$11,582	\$12,052
ctc	\$1	\$5	\$35	\$50	\$531	\$637
total rate	\$78	\$236	\$1,519	\$1,828	\$20,164	\$22,187

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Commercial Rates in effect July 1, 2020

#### General Service

Fuel Clause  
Adjustment (FCA) in  
cents:

Demand:			40 kW	40 kW	500 kW	500 kW
Consumption:	375 kWh	1500 kWh	10,000 kWh	14,000 kWh	150,000 kWh	180,000 kWh

### Pennsylvania

#### Duquesne Light Company

FCA:

generation	\$19	\$75	\$404	\$565	\$6,733	\$8,079
transmission	\$4	\$17	\$145	\$175	\$2,497	\$2,497
delivery	\$41	\$127	\$411	\$456	\$5,295	\$5,295
total rate	\$64	\$219	\$960	\$1,196	\$14,525	\$15,871

#### Metropolitan Edison Company

FCA:

generation	\$19	\$76	\$504	\$706	\$8,468	\$10,161
delivery	\$37	\$82	\$252	\$257	\$2,613	\$2,622
total rate	\$56	\$158	\$756	\$963	\$11,081	\$12,783

#### PECO Energy

FCA:

generation	\$20	\$81	\$539	\$754	\$6,090	\$7,308
transmission	\$3	\$11	\$51	\$51	\$635	\$635
delivery	\$34	\$91	\$379	\$387	\$4,649	\$4,712
total rate	\$57	\$183	\$969	\$1,192	\$11,374	\$12,655

#### Pennsylvania Electric Company

FCA:

generation	\$19	\$75	\$501	\$702	\$11,027	\$13,232
delivery	\$33	\$75	\$314	\$326	\$4,142	\$4,150
total rate	\$52	\$150	\$815	\$1,028	\$15,169	\$17,382

#### Pennsylvania Power Company

FCA:

generation	\$24	\$98	\$653	\$914	\$11,603	\$13,923
delivery	\$39	\$80	\$173	\$177	\$2,564	\$2,613
total rate	\$63	\$178	\$826	\$1,091	\$14,167	\$16,536

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Commercial Rates in effect July 1, 2020

#### General Service

Fuel Clause  
Adjustment (FCA) in  
cents:

Demand: Consumption:	375 kWh	1500 kWh	40 kW 10,000 kWh	40 kW 14,000 kWh	500 kW 150,000 kWh	500 kW 180,000 kWh
PPL Utilities Corp.						
generation	\$15	\$60	\$401	\$561	\$6,014	\$7,216
transmission	\$8	\$31	\$207	\$290	\$3,105	\$3,726
delivery	\$28	\$29	\$212	\$217	\$1,989	\$2,029
total rate	\$51	\$120	\$820	\$1,068	\$11,107	\$12,971
West Penn Power Company						
generation	\$21	\$84	\$560	\$784	\$6,525	\$7,830
delivery	\$24	\$67	\$209	\$240	\$2,887	\$2,887
total rate	\$45	\$151	\$769	\$1,024	\$9,412	\$10,717

FCA:

FCA:

#### Average For Pennsylvania

generation	\$20	\$78	\$509	\$712	\$8,066	\$9,679
transmission	\$5	\$20	\$134	\$172	\$2,079	\$2,286
delivery	\$34	\$79	\$279	\$294	\$3,448	\$3,473
ctc						
total rate	\$55	\$166	\$845	\$1,080	\$12,405	\$14,131

#### Average For Mid-Atlantic

generation	\$24	\$89	\$594	\$799	\$9,032	\$10,530
transmission	\$5	\$19	\$131	\$172	\$2,017	\$2,264
delivery	\$42	\$104	\$608	\$669	\$7,592	\$7,921
ctc	\$1	\$5	\$22	\$30	\$326	\$391
total rate	\$68	\$199	\$1,231	\$1,514	\$17,146	\$19,095

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Commercial Rates in effect July 1, 2020

#### General Service

Fuel Clause  
Adjustment (FCA) in  
cents:

Demand:			40 kW	40 kW	500 kW	500 kW
Consumption:	375 kWh	1500 kWh	10,000 kWh	14,000 kWh	150,000 kWh	180,000 kWh

### East North Central

#### Illinois

##### Ameren Illinois (All Rate Zones)

FCA:

generation	\$15	\$61	\$403	\$565		
transmission	\$4	\$18	\$118	\$165	\$2,072	\$2,072
delivery	\$47	\$82	\$428	\$507	\$4,800	\$4,978
total rate	\$66	\$160	\$949	\$1,236	\$6,872	\$7,050

##### Commonwealth Edison Company

FCA:

generation	\$19	\$77	\$519	\$727		
transmission	\$5	\$19	\$129	\$181	\$1,376	\$1,651
delivery	\$30	\$61	\$411	\$440	\$5,140	\$5,357
total rate	\$54	\$157	\$1,059	\$1,348		

##### MidAmerican Energy

FCA:

0.00705

generation	\$25	\$100	\$637	\$880	\$9,113	\$10,264
transmission	\$3	\$12	\$83	\$116	\$1,238	\$1,695
delivery	\$32	\$50	\$189	\$255	\$3,594	\$3,012
total rate	\$60	\$163	\$909	\$1,250	\$13,945	\$14,970

##### MidAmerican Energy Company (Delivery Service)

FCA:

delivery	\$32	\$54	\$214	\$265	\$2,886	\$2,855
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#### Average For Illinois

generation	\$20	\$79	\$520	\$724	\$9,113	\$10,264
transmission	\$4	\$16	\$110	\$154	\$1,562	\$1,806
delivery	\$35	\$62	\$311	\$367	\$4,105	\$4,051
total rate	\$60	\$160	\$972	\$1,278	\$10,408	\$11,010

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Commercial Rates in effect July 1, 2020

General Service							Fuel Clause Adjustment (FCA) in cents:	
Demand:			40 kW	40 kW	500 kW	500 kW		
Consumption:	375 kWh	1500 kWh	10,000 kWh	14,000 kWh	150,000 kWh	180,000 kWh		
Indiana								
AEP (Indiana Michigan Power)							FCA:	-0.1612
total rate	\$72	\$233	\$1,431	\$1,856	\$17,786	\$19,908		
Duke Energy Indiana							FCA:	0.8796
total rate	\$57	\$169	\$968	\$1,326	\$13,953	\$16,471		
Indianapolis Power & Light Company							FCA:	-0.008665
total rate	\$78	\$191	\$990	\$1,335	\$15,820	\$16,818		
Northern Indiana Public Service Company							FCA:	-0.003743
total rate	\$79	\$242	\$1,471	\$1,833	\$17,827	\$20,050		
Southern Indiana Gas & Electric Company							FCA:	-1.0205
total rate	\$65	\$208	\$1,258	\$1,664	\$13,891	\$15,626		
Average For Indiana								
total rate	\$70	\$209	\$1,224	\$1,603	\$15,855	\$17,775		
Michigan								
AEP (Indiana Michigan Power combined MI rate areas)							FCA:	-0.295
generation	\$38	\$150	\$1,060	\$1,424	\$15,780	\$16,783		
delivery	\$24	\$46	\$364	\$366	\$4,182	\$5,320		
total rate	\$62	\$196	\$1,424	\$1,790	\$19,962	\$22,103		
Consumers Energy							FCA:	
total rate	\$76	\$231	\$1,584	\$1,871	\$19,038	\$22,602		

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Commercial Rates in effect July 1, 2020

General Service							Fuel Clause Adjustment (FCA) in cents:
Demand: Consumption:	375 kWh	1500 kWh	40 kW 10,000 kWh	40 kW 14,000 kWh	500 kW 150,000 kWh	500 kW 180,000 kWh	
DTE Electric Company							FCA: -0.311
generation	\$30	\$119	\$793	\$1,111	\$12,597	\$13,496	
delivery	\$29	\$82	\$453	\$611	\$1,287	\$1,313	
total rate	\$59	\$201	\$1,246	\$1,722	\$13,884	\$14,809	
Northern States Power Company (WI)							FCA: -0.00639
total rate	\$51	\$169	\$1,142	\$1,429	\$15,703	\$17,859	
Upper Michigan Energy Resources Corporation - Unbundled (formerly We Energies)							FCA:
total rate	\$40	\$71	\$521	\$721	\$4,559	\$4,854	
Upper Michigan Energy Resources Corporation (formerly We Energies)							FCA: -1.15
total rate	\$76	\$220	\$1,310	\$1,823	\$16,871	\$18,337	
Upper Michigan Energy Resources Corporation (formerly Wisconsin Public Service Corp.)							FCA:
total rate	\$64	\$174	\$1,005	\$1,337	\$13,242	\$14,546	

### Average For Michigan

generation	\$34	\$134	\$927	\$1,267	\$14,188	\$15,140
delivery	\$26	\$64	\$408	\$489	\$2,735	\$3,316
total rate	\$61	\$180	\$1,176	\$1,528	\$14,751	\$16,444

### Ohio

AEP (Columbus Southern Power Rate Area)							FCA:
generation	\$17	\$68	\$446	\$625	\$6,697	\$8,036	
transmission	\$7	\$27	\$222	\$224	\$2,787	\$2,801	
delivery	\$34	\$69	\$373	\$406	\$4,533	\$4,768	
total rate	\$58	\$164	\$1,041	\$1,255	\$14,018	\$15,606	

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Commercial Rates in effect July 1, 2020

General Service							Fuel Clause Adjustment (FCA) in cents:
Demand: Consumption:	375 kWh	1500 kWh	40 kW 10,000 kWh	40 kW 14,000 kWh	500 kW 150,000 kWh	500 kW 180,000 kWh	
AEP (Ohio Power Rate Area)							FCA:
generation	\$17	\$68	\$446	\$625	\$6,697	\$8,036	
transmission	\$7	\$27	\$222	\$224	\$2,787	\$2,801	
delivery	\$37	\$51	\$400	\$433	\$4,700	\$4,935	
total rate	\$60	\$146	\$1,068	\$1,282	\$14,185	\$15,773	
Cleveland Electric Illuminating Company							FCA:
generation	\$23	\$90	\$601	\$841	\$8,686	\$10,424	
transmission	\$28	\$28	\$227	\$227	\$3,874	\$3,874	
delivery	\$56	\$55	\$468	\$462	\$2,555	\$2,621	
total rate	\$107	\$173	\$1,295	\$1,530	\$15,115	\$16,919	
Dayton Power & Light Company							FCA:
generation	\$17	\$69	\$460	\$645	\$6,907	\$8,288	
transmission	\$0	\$1	\$41	\$43	\$527	\$539	
delivery	\$26	\$45	\$321	\$371	\$3,979	\$4,320	
total rate	\$43	\$114	\$823	\$1,058	\$11,413	\$13,147	
Duke Energy Ohio							FCA:
generation	\$21	\$83	\$525	\$690	\$7,606	\$8,825	
transmission	\$3	\$11	\$83	\$83	\$1,042	\$1,043	
delivery	\$33	\$106	\$435	\$484	\$5,052	\$5,400	
total rate	\$57	\$200	\$1,043	\$1,257	\$13,700	\$15,268	
Ohio Edison Company							FCA:
generation	\$22	\$88	\$585	\$818	\$8,255	\$9,906	
transmission	\$26	\$26	\$208	\$208	\$3,115	\$3,115	
delivery	\$41	\$42	\$344	\$348	\$2,450	\$2,469	
total rate	\$89	\$155	\$1,136	\$1,374	\$13,821	\$15,491	



Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Commercial Rates in effect July 1, 2020

General Service							Fuel Clause Adjustment (FCA) in cents:
Demand: Consumption:	375 kWh	1500 kWh	40 kW 10,000 kWh	40 kW 14,000 kWh	500 kW 150,000 kWh	500 kW 180,000 kWh	
Toledo Edison Company							FCA:
generation	\$22	\$86	\$575	\$805	\$8,700	\$10,440	
transmission	\$26	\$26	\$209	\$209	\$3,193	\$3,193	
delivery	\$42	\$40	\$423	\$418	\$1,806	\$1,841	
total rate	\$89	\$153	\$1,207	\$1,432	\$13,699	\$15,474	

### Average For Ohio

generation	\$20	\$79	\$520	\$721	\$7,650	\$9,137
transmission	\$14	\$21	\$173	\$174	\$2,475	\$2,481
delivery	\$38	\$58	\$395	\$417	\$3,582	\$3,765
total rate	\$72	\$158	\$1,088	\$1,313	\$13,707	\$15,383

### Wisconsin

Northern States Power Company (WI)							FCA:	-0.00077
total rate	\$62	\$196	\$1,190	\$1,421	\$17,312	\$19,112		
Northwestern Wisconsin Electric Company							FCA:	0.0071
total rate	\$60	\$191	\$1,109	\$1,405	\$13,895	\$15,779		
Superior Water, Light & Power Company							FCA:	
total rate	\$52	\$176	\$1,033	\$1,307	\$14,303	\$16,358		
We Energies (formerly Wisconsin Electric)							FCA:	
total rate	\$64	\$209	\$1,299	\$1,693	\$17,636	\$19,378		
Wisconsin Public Service Corporation							FCA:	
generation	\$36	\$144	\$963	\$1,348	\$13,258	\$14,648		
delivery	\$31	\$39	\$100	\$128	\$1,896	\$1,825		
total rate	\$67	\$184	\$1,063	\$1,476	\$15,153	\$16,473		

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Commercial Rates in effect July 1, 2020

#### General Service

Fuel Clause  
Adjustment (FCA) in  
cents:

Demand:			40 kW	40 kW	500 kW	500 kW
Consumption:	375 kWh	1500 kWh	10,000 kWh	14,000 kWh	150,000 kWh	180,000 kWh

#### Average For Wisconsin

generation	\$36	\$144	\$963	\$1,348	\$13,258	\$14,648
delivery	\$31	\$39	\$100	\$128	\$1,896	\$1,825
total rate	\$61	\$191	\$1,139	\$1,460	\$15,660	\$17,420

#### Average For East North Central

generation	\$23	\$93	\$617	\$854	\$9,481	\$10,832
transmission	\$11	\$20	\$154	\$168	\$2,201	\$2,278
delivery	\$35	\$59	\$352	\$392	\$3,490	\$3,644
total rate	\$65	\$180	\$1,132	\$1,446	\$14,523	\$16,184

#### West North Central

#### Iowa

Interstate Power & Light							FCA:	0.02089
total rate	\$75	\$239	\$1,343	\$1,865	\$19,604	\$23,517		
MidAmerican Energy - East System							FCA:	0.00775
total rate	\$53	\$182	\$1,110	\$1,410	\$14,516	\$16,606		
MidAmerican Energy-North System							FCA:	0.00775
total rate	\$51	\$174	\$1,052	\$1,348	\$13,946	\$15,922		
MidAmerican Energy-South System							FCA:	0.00775
total rate	\$54	\$185	\$1,130	\$1,409	\$14,246	\$16,282		

#### Average For Iowa

total rate	\$58	\$195	\$1,159	\$1,508	\$15,578	\$18,082
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Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Commercial Rates in effect July 1, 2020

#### General Service

Fuel Clause  
Adjustment (FCA) in  
cents:

Demand:			40 kW	40 kW	500 kW	500 kW
Consumption:	375 kWh	1500 kWh	10,000 kWh	14,000 kWh	150,000 kWh	180,000 kWh

#### Kansas

Empire District Electric Company							FCA:	1.687
total rate	\$64	\$193	\$1,136	\$1,347	\$14,409	\$15,990		
Kansas City Power & Light Company							FCA:	0.01732
transmission			\$2	\$2	\$2	\$2		
total rate			\$1,382	\$1,679	\$17,563	\$19,538		
Westar Energy-KGE							FCA:	2.0582
transmission	\$5	\$22	\$144	\$202	\$2,365	\$2,365		
total rate	\$61	\$172	\$1,195	\$1,535	\$16,164	\$17,286		
Westar Energy-KPL							FCA:	2.0582
transmission	\$5	\$22	\$144	\$202	\$2,365	\$2,365		
total rate	\$61	\$172	\$1,195	\$1,535	\$16,164	\$17,286		

#### Average For Kansas

transmission	\$5	\$22	\$97	\$135	\$1,578	\$1,578
total rate	\$62	\$179	\$1,227	\$1,524	\$16,075	\$17,525

#### Minnesota

Northern States Power Company (MN)							FCA:	2.752
total rate	\$60	\$206	\$1,321	\$1,584	\$17,814	\$19,787		
Otter Tail Power Company							FCA:	-0.00388
total rate	\$148	\$237	\$995	\$1,308	\$14,080	\$16,430		

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Commercial Rates in effect July 1, 2020

#### General Service

Fuel Clause  
Adjustment (FCA) in  
cents:

Demand:			40 kW	40 kW	500 kW	500 kW
Consumption:	375 kWh	1500 kWh	10,000 kWh	14,000 kWh	150,000 kWh	180,000 kWh

#### Average For Minnesota

total rate	\$104	\$221	\$1,158	\$1,446	\$15,947	\$18,109
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#### Missouri

Ameren Missouri							FCA:	-0.00207
total rate	\$50	\$170	\$1,074	\$1,500	\$15,862	\$17,996		
Empire District Electric Company							FCA:	0.0004
total rate	\$71	\$214	\$1,245	\$1,518	\$16,466	\$18,481		
Kansas City Power & Light - GMO							FCA:	0.00175
total rate	\$77	\$237	\$1,083	\$1,397	\$15,902	\$17,355		
Kansas City Power & Light Company							FCA:	0.00011
total rate			\$1,360	\$1,669	\$18,237	\$20,307		

#### Average For Missouri

total rate	\$66	\$207	\$1,190	\$1,521	\$16,617	\$18,535
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#### North Dakota

Montana-Dakota Utilities Company							FCA:	0.01801
total rate	\$61	\$168	\$1,124	\$1,342	\$14,770	\$16,407		
Northern States Power Company (MN)							FCA:	2.232
total rate	\$56	\$175	\$1,207	\$1,453	\$16,328	\$18,174		

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Commercial Rates in effect July 1, 2020

General Service							Fuel Clause Adjustment (FCA) in cents:
Demand: Consumption:	375 kWh	1500 kWh	40 kW 10,000 kWh	40 kW 14,000 kWh	500 kW 150,000 kWh	500 kW 180,000 kWh	
Otter Tail Power Company							FCA: 1.848
total rate	\$97	\$217	\$1,145	\$1,571	\$16,566	\$19,763	

### Average For North Dakota

total rate	\$71	\$187	\$1,159	\$1,455	\$15,888	\$18,115
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### South Dakota

Black Hills Power, Inc. d/b/a Black Hills Energy							FCA: 1.432
total rate	\$59	\$182	\$895	\$1,056	\$17,017	\$19,240	
MidAmerican Energy							FCA: -0.00433
total rate	\$49	\$167	\$902	\$1,012	\$10,927	\$11,853	
Montana-Dakota Utilities Company							FCA: 0.01669
total rate	\$51	\$155	\$1,117	\$1,486	\$12,420	\$14,073	
Northern States Power Company (MN)							FCA: 1.664
total rate	\$51	\$179	\$1,171	\$1,423	\$15,959	\$17,845	
Northwestern Energy							FCA: 0.02048
total rate	\$66	\$216	\$1,388	\$1,653	\$15,397	\$16,684	
Otter Tail Power Company							FCA: 1.803
total rate	\$144	\$214	\$837	\$1,085	\$11,716	\$13,578	

### Average For South Dakota

total rate	\$70	\$186	\$1,052	\$1,286	\$13,906	\$15,546
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Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Commercial Rates in effect July 1, 2020

General Service							Fuel Clause Adjustment (FCA) in cents:
Demand:			40 kW	40 kW	500 kW	500 kW	
Consumption:	375 kWh	1500 kWh	10,000 kWh	14,000 kWh	150,000 kWh	180,000 kWh	
<hr/>							
Average For West North Central							
transmission	\$5	\$22	\$97	\$135	\$1,578	\$1,578	
total rate	\$70	\$193	\$1,148	\$1,443	\$15,481	\$17,409	

### South Atlantic

#### District of Columbia

Potomac Electric Power Company							FCA:
generation	\$22	\$88	\$588	\$823	\$8,935	\$10,640	
transmission	\$2	\$8	\$66	\$92	\$1,605	\$1,669	
delivery	\$49	\$117	\$625	\$822	\$10,445	\$11,337	
total rate	\$73	\$214	\$1,279	\$1,737	\$20,985	\$23,647	

#### Average For District of Columbia

generation	\$22	\$88	\$588	\$823	\$8,935	\$10,640
transmission	\$2	\$8	\$66	\$92	\$1,605	\$1,669
delivery	\$49	\$117	\$625	\$822	\$10,445	\$11,337
total rate	\$73	\$214	\$1,279	\$1,737	\$20,985	\$23,647

#### Florida

Duke Energy Florida							FCA:	3.35
total rate	\$62	\$203	\$1,153	\$1,429	\$15,373	\$17,420		
Florida Power & Light Company							FCA:	2.226
total rate	\$45	\$145	\$956	\$1,144	\$13,359	\$14,623		
Florida Public Utilities Company							FCA:	
total rate	\$83	\$216	\$1,187	\$1,518	\$16,104	\$18,397		

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Commercial Rates in effect July 1, 2020

General Service							Fuel Clause Adjustment (FCA) in cents:
Demand: Consumption:	375 kWh	1500 kWh	40 kW 10,000 kWh	40 kW 14,000 kWh	500 kW 150,000 kWh	500 kW 180,000 kWh	
Gulf Power Company							FCA:
total rate	\$73	\$213	\$1,139	\$1,460	\$17,072	\$18,874	3.262
Tampa Electric Company							FCA:
total rate	\$1	\$3	\$21	\$24	\$269	\$292	2.638

### Average For Florida

total rate	\$53	\$156	\$891	\$1,115	\$12,435	\$13,921
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### Georgia

Georgia Power Company							FCA:	2.3375
total rate	\$82	\$264	\$1,439	\$1,595	\$16,510	\$17,680		

### Average For Georgia

total rate	\$82	\$264	\$1,439	\$1,595	\$16,510	\$17,680
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### Maryland

Baltimore Gas & Electric Company							FCA:
generation	\$21	\$85	\$485	\$680	\$6,912	\$8,294	
transmission	\$3	\$12	\$81	\$113	\$1,490	\$1,490	
delivery	\$30	\$77	\$444	\$611	\$5,591	\$6,292	
total rate	\$54	\$174	\$1,010	\$1,404	\$13,993	\$16,077	

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Commercial Rates in effect July 1, 2020

General Service							Fuel Clause Adjustment (FCA) in cents:
Demand: Consumption:	375 kWh	1500 kWh	40 kW 10,000 kWh	40 kW 14,000 kWh	500 kW 150,000 kWh	500 kW 180,000 kWh	
Potomac Edison Company							FCA:
generation	\$32	\$96	\$627	\$800	\$9,839	\$10,780	
transmission	\$2	\$5	\$31	\$39	\$566	\$605	
delivery	\$18	\$56	\$421	\$560	\$4,161	\$4,543	
total rate	\$52	\$157	\$1,079	\$1,399	\$14,566	\$15,928	
Potomac Electric Power (Montgomery County)							FCA:
generation	\$19	\$76	\$507	\$708	\$7,610	\$9,098	
transmission	\$5	\$20	\$185	\$215	\$2,499	\$2,719	
delivery	\$49	\$154	\$633	\$811	\$8,394	\$9,775	
total rate	\$73	\$250	\$1,326	\$1,734	\$18,503	\$21,592	
Potomac Electric Power (Prince George's County)							FCA:
generation	\$19	\$76	\$507	\$708	\$7,610	\$9,098	
transmission	\$5	\$20	\$185	\$215	\$2,499	\$2,719	
delivery	\$42	\$124	\$431	\$528	\$5,361	\$6,134	
total rate	\$66	\$220	\$1,124	\$1,450	\$15,469		

### Average For Maryland

generation	\$23	\$83	\$532	\$724	\$7,993	\$9,318
transmission	\$4	\$14	\$121	\$145	\$1,763	\$1,883
delivery	\$35	\$103	\$482	\$628	\$5,877	\$6,686
total rate	\$61	\$200	\$1,135	\$1,497	\$15,633	\$17,865

### North Carolina

Dominion Energy North Carolina							FCA:	0.00014
total rate	\$58	\$166	\$939	\$1,239	\$13,769	\$14,797		
Duke Energy Carolinas							FCA:	0.1327
total rate	\$67	\$197	\$872	\$1,291	\$11,746	\$15,931		
Duke Energy Progress, Inc.							FCA:	
total rate	\$62	\$201	\$1,059	\$1,278	\$13,156	\$14,580		



Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Commercial Rates in effect July 1, 2020

#### General Service

Fuel Clause  
Adjustment (FCA) in  
cents:

Demand:			40 kW	40 kW	500 kW	500 kW
Consumption:	375 kWh	1500 kWh	10,000 kWh	14,000 kWh	150,000 kWh	180,000 kWh

#### Average For North Carolina

total rate	\$63	\$188	\$957	\$1,269	\$12,890	\$15,103
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#### South Carolina

Dominion Energy South Carolina (formerly SCE&G)							FCA:	2.357
total rate	\$66	\$192	\$1,189	\$1,664	\$16,409	\$17,640		
Duke Energy Carolinas							FCA:	0.0706
total rate	\$64	\$213	\$953	\$1,416	\$16,247	\$17,604		
Duke Energy Progress, Inc.							FCA:	
total rate	\$70	\$181	\$995	\$1,211	\$14,483	\$16,347		

#### Average For South Carolina

total rate	\$67	\$195	\$1,046	\$1,430	\$15,713	\$17,197
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#### Virginia

AEP (Appalachian Power Rate Area)							FCA:	2.3
generation	\$23	\$92	\$631	\$784	\$8,942	\$9,975		
transmission	\$6	\$25	\$170	\$196	\$2,341	\$2,471		
delivery	\$14	\$30	\$165	\$205	\$2,336	\$2,499		
total rate	\$43	\$146	\$966	\$1,185	\$13,619	\$14,945		

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Commercial Rates in effect July 1, 2020

General Service							Fuel Clause Adjustment (FCA) in cents:
Demand: Consumption:	375 kWh	1500 kWh	40 kW 10,000 kWh	40 kW 14,000 kWh	500 kW 150,000 kWh	500 kW 180,000 kWh	
Dominion Energy Virginia							FCA: 0.017357
generation	\$24	\$97	\$734	\$922	\$10,214	\$10,828	
transmission	\$5	\$19	\$152	\$152	\$1,888	\$1,888	
delivery	\$22	\$42	\$162	\$168	\$668	\$674	
total rate	\$50	\$159	\$1,048	\$1,242	\$12,770	\$13,391	
Old Dominion Power Company							FCA: 2.183
total rate	\$69	\$187	\$1,076	\$1,495	\$16,544	\$17,846	

### Average For Virginia

generation	\$24	\$95	\$683	\$853	\$9,578	\$10,402
transmission	\$5	\$22	\$161	\$174	\$2,115	\$2,180
delivery	\$18	\$36	\$164	\$187	\$1,502	\$1,587
total rate	\$54	\$164	\$1,030	\$1,307	\$14,311	\$15,394

### West Virginia

AEP (Appalachian Power Rate Area)							FCA:
total rate	\$48	\$146	\$1,113	\$1,326	\$14,887	\$16,403	
AEP (Wheeling Power Rate Area)							FCA:
total rate	\$48	\$146	\$1,113	\$1,326	\$14,887	\$16,403	
Monongahela Power Company							FCA:
total rate	\$49	\$165	\$1,138	\$1,287	\$14,699	\$15,811	
Potomac Edison Company							FCA:
total rate	\$49	\$165	\$1,138	\$1,287	\$14,699	\$15,811	

### Average For West Virginia

total rate	\$49	\$156	\$1,126	\$1,307	\$14,793	\$16,107
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Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Commercial Rates in effect July 1, 2020

#### General Service

Fuel Clause  
Adjustment (FCA) in  
cents:

Demand: Consumption:	375 kWh	1500 kWh	40 kW 10,000 kWh	40 kW 14,000 kWh	500 kW 150,000 kWh	500 kW 180,000 kWh		
<b>Average For South Atlantic</b>								
generation	\$23	\$87	\$583	\$775	\$8,580	\$9,816		
transmission	\$4	\$16	\$124	\$146	\$1,841	\$1,937		
delivery	\$32	\$86	\$412	\$529	\$5,279	\$5,894		
total rate	\$59	\$180	\$1,055	\$1,339	\$14,588	\$16,176		
<b>East South Central</b>								
<b>Alabama</b>								
Alabama Power Company							FCA:	2.392
total rate	\$94	\$297	\$1,510	\$1,937	\$20,952	\$24,149		
<b>Average For Alabama</b>								
total rate	\$94	\$297	\$1,510	\$1,937	\$20,952	\$24,149		
<b>Kentucky</b>								
AEP (Kentucky Power Rate Area)							FCA:	-0.01226
total rate	\$65	\$177	\$1,234	\$1,630	\$16,060	\$18,332		
Duke Energy Kentucky							FCA:	-0.002343
total rate	\$50	\$152	\$1,019	\$1,239	\$13,099	\$14,498		
Kentucky Utilities Company							FCA:	-0.351
total rate	\$76	\$206	\$1,187	\$1,649	\$14,863	\$15,584		
Louisville Gas & Electric Company							FCA:	-0.115
total rate	\$76	\$203	\$1,159	\$1,609	\$17,093	\$17,923		

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Commercial Rates in effect July 1, 2020

#### General Service

Fuel Clause  
Adjustment (FCA) in  
cents:

Demand:			40 kW	40 kW	500 kW	500 kW
Consumption:	375 kWh	1500 kWh	10,000 kWh	14,000 kWh	150,000 kWh	180,000 kWh

#### Average For Kentucky

total rate	\$67	\$184	\$1,150	\$1,532	\$15,279	\$16,584
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#### Mississippi

Entergy Mississippi, Inc.

FCA: -0.027942

total rate	\$60	\$177	\$1,051	\$1,342	\$11,378	\$13,019
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Mississippi Power Company

FCA:

total rate	\$83	\$195	\$1,114	\$1,371	\$14,750	\$16,499
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#### Average For Mississippi

total rate	\$71	\$186	\$1,082	\$1,357	\$13,064	\$14,759
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#### Tennessee

AEP (Kingsport Power Rate Area)

FCA:

total rate	\$54	\$151	\$1,172	\$1,448	\$16,541	\$18,247
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#### Average For Tennessee

total rate	\$54	\$151	\$1,172	\$1,448	\$16,541	\$18,247
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Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Commercial Rates in effect July 1, 2020

General Service							Fuel Clause Adjustment (FCA) in cents:
Demand:			40 kW	40 kW	500 kW	500 kW	
Consumption:	375 kWh	1500 kWh	10,000 kWh	14,000 kWh	150,000 kWh	180,000 kWh	
<b>Average For East South Central</b>							
total rate	\$70	\$195	\$1,181	\$1,528	\$15,592	\$17,281	

### West South Central

#### Arkansas

Empire District Electric Company							FCA:	2.392
total rate	\$58	\$192	\$1,217	\$1,397	\$15,422	\$16,989		
Entergy Arkansas, Inc.							FCA:	1.052
total rate	\$58	\$137	\$931	\$1,177	\$14,991	\$16,352		
OG&E Electric Services							FCA:	1.8491
total rate	\$54	\$131	\$893	\$1,034	\$10,608	\$11,661		
Southwestern Electric Power Company							FCA:	3.235607
total rate	\$42	\$132	\$1,026	\$1,347	\$14,083	\$15,844		

#### Average For Arkansas

total rate	\$53	\$148	\$1,017	\$1,239	\$13,776	\$15,212
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#### Louisiana

CLECO Power LLC							FCA:	0.027675
total rate	\$55	\$185	\$1,082	\$1,271	\$14,477	\$15,889		
Entergy Louisiana, Inc.							FCA:	1.8
total rate	\$75	\$187	\$1,076	\$1,395	\$11,865	\$13,597		

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Commercial Rates in effect July 1, 2020

General Service							Fuel Clause Adjustment (FCA) in cents:
Demand: Consumption:	375 kWh	1500 kWh	40 kW 10,000 kWh	40 kW 14,000 kWh	500 kW 150,000 kWh	500 kW 180,000 kWh	
Entergy Louisiana, LLC (formerly Entergy Gulf States, Inc.)							FCA: 1.8
total rate	\$64	\$181	\$826	\$1,022	\$10,850	\$12,326	
Entergy New Orleans, Inc.							FCA: 1.2338
total rate	\$59	\$163	\$1,092	\$1,363	\$15,034	\$16,693	
Southwestern Electric Power Company							FCA: 2.427238
total rate	\$70	\$206	\$987	\$1,184	\$12,622	\$14,100	
<b>Average For Louisiana</b>							
total rate	\$65	\$184	\$1,013	\$1,247	\$12,970	\$14,521	

### Oklahoma

Empire District Electric Company							FCA: 1.8397
total rate	\$71	\$203	\$1,028	\$1,297	\$13,301	\$15,204	
OG&E Electric Services							FCA: 2.1815
total rate	\$65	\$166	\$875	\$1,025	\$10,964	\$12,088	
Public Service Company of Oklahoma							FCA: 1.884
total rate	\$61	\$135	\$893	\$1,155	\$8,489	\$9,340	
total rate	\$61	\$135	\$893	\$1,155	\$8,494	\$9,345	
<b>Average For Oklahoma</b>							
total rate	\$64	\$160	\$922	\$1,158	\$10,312	\$11,494	

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Commercial Rates in effect July 1, 2020

#### General Service

Fuel Clause  
Adjustment (FCA) in  
cents:

Demand:			40 kW	40 kW	500 kW	500 kW
Consumption:	375 kWh	1500 kWh	10,000 kWh	14,000 kWh	150,000 kWh	180,000 kWh

#### Texas

AEP Texas Central Company (formerly Central Power & Light)

FCA:

transmission	\$2	\$9	\$127	\$127	\$1,604	\$1,604
delivery	\$13	\$35	\$202	\$205	\$1,744	\$1,771
ctc	\$11	\$43	\$127	\$127	\$1,588	\$1,588
total rate	\$25	\$86	\$456	\$459	\$4,936	\$4,963

AEP Texas North Company (formerly West Texas Utilities)

FCA:

transmission	\$2	\$9	\$127	\$127	\$1,604	\$1,604
delivery	\$10	\$28	\$162	\$166	\$1,296	\$1,299
total rate	\$12	\$37	\$289	\$292	\$2,900	\$2,902

El Paso Electric Company

FCA:

0.433

total rate	\$54	\$186	\$1,297	\$1,529	\$17,341	\$19,008
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Entergy Texas

FCA:

2.27767

total rate	\$52	\$155	\$894	\$1,109	\$12,698	\$13,740
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Southwestern Electric Power Company

FCA:

3.300012

total rate	\$50	\$164	\$915	\$1,110	\$12,654	\$14,117
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Southwestern Public Service

FCA:

1.6852

total rate	\$41	\$129	\$859	\$942	\$10,962	\$11,588
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#### Average For Texas

transmission	\$2	\$9	\$127	\$127	\$1,604	\$1,604
delivery	\$11	\$31	\$182	\$185	\$1,520	\$1,535
ctc	\$11	\$43	\$127	\$127	\$1,588	\$1,588
total rate	\$39	\$126	\$785	\$907	\$10,248	\$11,053

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Commercial Rates in effect July 1, 2020

General Service							Fuel Clause Adjustment (FCA) in cents:
Demand:			40 kW	40 kW	500 kW	500 kW	
Consumption:	375 kWh	1500 kWh	10,000 kWh	14,000 kWh	150,000 kWh	180,000 kWh	
<hr/>							
Average For West South Central							
transmission	\$2	\$9	\$127	\$127	\$1,604	\$1,604	
delivery	\$11	\$31	\$182	\$185	\$1,520	\$1,535	
ctc	\$11	\$43	\$127	\$127	\$1,588	\$1,588	
total rate	\$54	\$153	\$923	\$1,119	\$11,721	\$12,934	

### Mountain

#### Arizona

Arizona Public Service Company							FCA:	-0.0456
generation	\$31	\$124	\$869	\$1,074	\$9,876	\$11,209		
transmission	\$3	\$12	\$113	\$113	\$1,415	\$1,415		
delivery	\$77	\$127	\$532	\$579	\$5,928	\$6,011		
total rate	\$111	\$263	\$1,514	\$1,766	\$17,218	\$18,634		
Tucson Electric Power Company							FCA:	0.001515
total rate	\$78	\$249	\$1,560	\$2,177	\$20,298	\$21,988		
Unisource Electric Company							FCA:	-0.007523
total rate	\$60	\$174	\$1,066	\$1,570	\$15,590	\$17,094		

#### Average For Arizona

generation	\$31	\$124	\$869	\$1,074	\$9,876	\$11,209
transmission	\$3	\$12	\$113	\$113	\$1,415	\$1,415
delivery	\$77	\$127	\$532	\$579	\$5,928	\$6,011
total rate	\$83	\$229	\$1,380	\$1,838	\$17,702	\$19,239

#### Colorado

Black Hills/Colorado Electric							FCA:	3.452
total rate	\$63	\$213	\$1,353	\$1,889	\$19,426	\$20,726		



Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Commercial Rates in effect July 1, 2020

General Service							Fuel Clause Adjustment (FCA) in cents:
Demand: Consumption:	375 kWh	1500 kWh	40 kW 10,000 kWh	40 kW 14,000 kWh	500 kW 150,000 kWh	500 kW 180,000 kWh	
Public Service Company of Colorado							FCA: 0.02522
total rate	\$58	\$200	\$1,303	\$1,443	\$16,178	\$17,206	

#### Average For Colorado

total rate	\$60	\$207	\$1,328	\$1,666	\$17,802	\$18,966
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### Idaho

Avista Corp.							FCA: -0.058
total rate	\$48	\$154	\$1,067	\$1,324	\$12,527	\$14,452	
Idaho Power Company							FCA:
total rate	\$49	\$198	\$817	\$1,034	\$11,708	\$13,335	
PacifiCorp							FCA:
total rate	\$54	\$166	\$1,016	\$1,248	\$14,048	\$15,381	

#### Average For Idaho

total rate	\$50	\$173	\$966	\$1,202	\$12,761	\$14,390
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### Montana

Black Hills Power, Inc. d/b/a Black Hills Energy							FCA:
total rate	\$37	\$119	\$834	\$1,069	\$8,750	\$9,749	
Montana-Dakota Utilities Company							FCA: 0.0198
total rate	\$54	\$148	\$1,330	\$1,667	\$15,114	\$16,716	

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Commercial Rates in effect July 1, 2020

General Service							Fuel Clause Adjustment (FCA) in cents:
Demand: Consumption:	375 kWh	1500 kWh	40 kW 10,000 kWh	40 kW 14,000 kWh	500 kW 150,000 kWh	500 kW 180,000 kWh	
NorthWestern Energy (formerly Montana Power)							FCA:
generation	\$27	\$106	\$707	\$989	\$10,063	\$12,075	
transmission	\$3	\$14	\$113	\$113	\$1,624	\$1,624	
delivery	\$22	\$72	\$393	\$414	\$3,958	\$4,251	
ctc	\$1	\$5	\$33	\$46	\$487	\$584	
total rate	\$53	\$197	\$1,246	\$1,562	\$16,132	\$18,534	

#### Average For Montana

generation	\$27	\$106	\$707	\$989	\$10,063	\$12,075
transmission	\$3	\$14	\$113	\$113	\$1,624	\$1,624
delivery	\$22	\$72	\$393	\$414	\$3,958	\$4,251
ctc	\$1	\$5	\$33	\$46	\$487	\$584
total rate	\$48	\$155	\$1,137	\$1,433	\$13,332	\$15,000

#### Nevada

Nevada Power Company - NV Energy							FCA:	-0.00269
total rate	\$50	\$119	\$919	\$1,141	\$17,558	\$19,178		
Sierra Pacific Power Company - NV Energy							FCA:	
total rate	\$58	\$135	\$839	\$1,033	\$17,185	\$19,101		

#### Average For Nevada

total rate	\$54	\$127	\$879	\$1,087	\$17,372	\$19,140
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#### New Mexico

El Paso Electric Company							FCA:	2.9921
total rate	\$66	\$224	\$1,456	\$1,758	\$18,444	\$20,226		

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Commercial Rates in effect July 1, 2020

General Service							Fuel Clause Adjustment (FCA) in cents:
Demand: Consumption:	375 kWh	1500 kWh	40 kW 10,000 kWh	40 kW 14,000 kWh	500 kW 150,000 kWh	500 kW 180,000 kWh	
Southwestern Public Service							FCA: 1.9115
total rate	\$48	\$146	\$1,127	\$1,245	\$14,460	\$15,350	

### Average For New Mexico

total rate	\$57	\$185	\$1,292	\$1,502	\$16,452	\$17,788
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### Utah

PacifiCorp							FCA:
total rate	\$55	\$189	\$1,207	\$1,362	\$15,373	\$16,533	

### Average For Utah

total rate	\$55	\$189	\$1,207	\$1,362	\$15,373	\$16,533
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### Wyoming

Black Hills Power, Inc. d/b/a Black Hills Energy							FCA: 0.07
total rate	\$65	\$175	\$1,240	\$1,616	\$17,720	\$19,748	
Cheyenne Light, Fuel & Power d/b/a Black Hills Energy							FCA: 0.563
total rate	\$67	\$220	\$1,650	\$1,898	\$19,013	\$20,634	
Montana-Dakota Utilities Company							FCA: 0.03482
total rate	\$49	\$110	\$938	\$1,156	\$11,856	\$13,044	
PacifiCorp							FCA:
total rate	\$53	\$137	\$1,083	\$1,222	\$14,028	\$15,069	

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Commercial Rates in effect July 1, 2020

#### General Service

Fuel Clause  
Adjustment (FCA) in  
cents:

Demand:			40 kW	40 kW	500 kW	500 kW
Consumption:	375 kWh	1500 kWh	10,000 kWh	14,000 kWh	150,000 kWh	180,000 kWh

#### Average For Wyoming

total rate	\$58	\$161	\$1,228	\$1,473	\$15,654	\$17,124
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#### Average For Mountain

generation	\$29	\$115	\$788	\$1,031	\$9,969	\$11,642
transmission	\$3	\$13	\$113	\$113	\$1,520	\$1,520
delivery	\$50	\$100	\$463	\$496	\$4,943	\$5,131
ctc	\$1	\$5	\$33	\$46	\$487	\$584
total rate	\$59	\$177	\$1,178	\$1,459	\$15,631	\$17,135

#### Pacific

##### California

##### Pacific Gas & Electric Company

FCA:

total rate	\$115	\$431	\$2,882	\$3,626	\$42,814	\$46,404
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##### PacifiCorp

FCA:

generation	\$25	\$99	\$654	\$889	\$10,023	\$11,695
transmission	\$2	\$8	\$68	\$68	\$855	\$855
delivery	\$37	\$106	\$460	\$613	\$2,579	\$2,836
ctc	\$2	\$8	\$43	\$43	\$965	\$965
total rate	\$69	\$235	\$1,365	\$1,809	\$16,214	\$18,502

##### Southern California Edison

FCA:

generation	\$47	\$188	\$1,372	\$1,625	\$18,789	\$20,424
transmission	\$6	\$24	\$172	\$186	\$2,495	\$2,597
delivery	\$27	\$106	\$739	\$744	\$8,738	\$8,773
total rate	\$89	\$356	\$2,532	\$2,904	\$33,730	\$36,241

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Commercial Rates in effect July 1, 2020

#### General Service

Fuel Clause  
Adjustment (FCA) in  
cents:

Demand:			40 kW	40 kW	500 kW	500 kW
Consumption:	375 kWh	1500 kWh	10,000 kWh	14,000 kWh	150,000 kWh	180,000 kWh

#### Average For California

generation	\$36	\$143	\$1,013	\$1,257	\$14,406	\$16,060
transmission	\$4	\$16	\$120	\$127	\$1,675	\$1,726
delivery	\$32	\$106	\$599	\$678	\$5,659	\$5,805
ctc	\$2	\$8	\$43	\$43	\$965	\$965
total rate	\$91	\$341	\$2,259	\$2,780	\$30,919	\$33,716

#### Oregon

Idaho Power Company

FCA:

total rate	\$41	\$162	\$929	\$1,182	\$12,983	\$14,882
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PacifiCorp

FCA:

generation	\$24	\$97	\$640	\$891	\$9,146	\$10,717
transmission	\$2	\$7	\$60	\$60	\$855	\$855
delivery	\$31	\$69	\$317	\$353	\$3,465	\$3,574
total rate	\$57	\$173	\$1,017	\$1,303	\$13,466	\$15,146

Portland General Electric Company

FCA:

0.16

generation	\$22	\$88	\$589	\$825	\$8,408	\$10,089
transmission	\$1	\$3	\$31	\$31	\$380	\$380
delivery	\$39	\$94	\$420	\$469	\$3,858	\$4,025
ctc	\$1	\$2	\$16	\$22	\$233	\$279
total rate	\$63	\$189	\$1,061	\$1,353	\$12,872	\$14,765

#### Average For Oregon

generation	\$23	\$93	\$615	\$858	\$8,777	\$10,403
transmission	\$1	\$5	\$45	\$45	\$618	\$618
delivery	\$35	\$82	\$369	\$411	\$3,661	\$3,799
ctc	\$1	\$2	\$16	\$22	\$233	\$279
total rate	\$54	\$174	\$1,002	\$1,279	\$13,107	\$14,931

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Commercial Rates in effect July 1, 2020

General Service							Fuel Clause Adjustment (FCA) in cents:	
Demand:			40 kW	40 kW	500 kW	500 kW		
Consumption:	375 kWh	1500 kWh	10,000 kWh	14,000 kWh	150,000 kWh	180,000 kWh		
Washington								
Avista Corp.							FCA:	-0.416
total rate	\$65	\$201	\$1,332	\$1,645	\$15,429	\$17,774		
PacifiCorp							FCA:	
total rate	\$51	\$154	\$882	\$1,131	\$11,481	\$12,980		
Puget Sound Energy							FCA:	
total rate	\$46	\$153	\$979	\$1,361	\$13,501	\$15,363		
Average For Washington								
total rate	\$54	\$169	\$1,064	\$1,379	\$13,470	\$15,372		

### Average For Pacific

generation	\$30	\$118	\$814	\$1,057	\$11,591	\$13,231
transmission	\$3	\$10	\$83	\$86	\$1,146	\$1,172
delivery	\$33	\$94	\$484	\$545	\$4,660	\$4,802
ctc	\$1	\$5	\$29	\$33	\$599	\$622
total rate	\$66	\$228	\$1,442	\$1,813	\$19,165	\$21,340

### Hawaii

#### Hawaii

Hawaii Electric Light Company							FCA: 11.359
total rate	\$176	\$525	\$2,985	\$3,923	\$43,255	\$49,066	
Hawaiian Electric Company							FCA: 10.128
total rate	\$153	\$421	\$2,544	\$3,304	\$38,512	\$43,407	

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Commercial Rates in effect July 1, 2020

General Service							Fuel Clause Adjustment (FCA) in cents:
Demand: Consumption:	375 kWh	1500 kWh	40 kW 10,000 kWh	40 kW 14,000 kWh	500 kW 150,000 kWh	500 kW 180,000 kWh	
Maui Electric Company (Lanai)							FCA:
total rate	\$174	\$542	\$3,699	\$4,928	\$56,424	\$65,066	16.335
Maui Electric Company (Maui)							FCA:
total rate	\$160	\$491	\$3,100	\$4,090	\$46,817	\$53,529	14.702
Maui Electric Company (Molokai)							FCA:
total rate	\$167	\$534	\$3,037	\$4,013	\$36,493	\$41,836	10.471
<hr/>							
<b>Average For Hawaii</b>							
total rate	\$166	\$502	\$3,073	\$4,052	\$44,300	\$50,581	

### Average For Hawaii

total rate	\$166	\$502	\$3,073	\$4,052	\$44,300	\$50,581
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### Average For USA

generation	\$26	\$100	\$667	\$909	\$9,774	\$11,384
transmission	\$7	\$22	\$184	\$208	\$2,494	\$2,576
delivery	\$38	\$89	\$519	\$592	\$5,691	\$6,053
ctc	\$1	\$5	\$29	\$30	\$396	\$447
total rate	\$68	\$201	\$1,255	\$1,582	\$16,645	\$18,587





Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Industrial Rates in effect July 1, 2020

General Service								Fuel Clause Adjustment (FCA) in cents:	
Demand in kW:	75	75	75	1000	1000	1000	50,000	50,000	50,000
Consumption in kWh:	15,000	30,000	50,000	200,000	400,000	650,000	15,000,000	25,000,000	32,500,000

## New England

### Connecticut

#### Connecticut Light & Power Company

FCA:

generation	\$1,091	\$2,182	\$3,636	\$12,466	\$24,933	\$40,516	\$934,984	\$1,558,306	\$2,025,798
transmission	\$820	\$820	\$820	\$12,059	\$12,059	\$12,059	\$602,941	\$602,941	\$602,941
delivery	\$1,271	\$1,735	\$2,353	\$15,093	\$23,815	\$34,718	\$926,234	\$1,362,327	\$1,689,396
ctc	(\$5)	(\$5)	(\$5)	(\$86)	(\$86)	(\$86)	(\$4,289)	(\$4,289)	(\$4,289)
total rate	\$3,176	\$4,731	\$6,804	\$39,533	\$60,721	\$87,207	\$2,459,870	\$3,519,285	\$4,313,846

#### United Illuminating Company

FCA:

generation	\$1,277	\$2,545	\$4,242	\$17,593	\$35,186	\$57,177	\$1,319,460	\$2,199,100	\$2,858,830
transmission	\$662	\$768	\$768	\$10,240	\$10,240	\$10,240	\$512,022	\$512,022	\$512,022
delivery	\$1,163	\$1,583	\$1,620	\$16,468	\$16,840	\$17,306	\$815,775	\$834,395	\$848,360
ctc	\$211	\$422	\$704	\$2,814	\$5,628	\$9,146	\$211,065	\$351,775	\$457,308
total rate	\$3,313	\$5,318	\$7,333	\$47,115	\$67,895	\$93,869	\$2,858,322	\$3,897,292	\$4,676,520

### Average For Connecticut

generation	\$1,184	\$2,363	\$3,939	\$15,030	\$30,059	\$48,846	\$1,127,222	\$1,878,703	\$2,442,314
transmission	\$741	\$794	\$794	\$11,149	\$11,149	\$11,149	\$557,482	\$557,482	\$557,482
delivery	\$1,217	\$1,659	\$1,986	\$15,781	\$20,328	\$26,012	\$871,005	\$1,098,361	\$1,268,878
ctc	\$103	\$208	\$349	\$1,364	\$2,771	\$4,530	\$103,388	\$173,743	\$226,509
total rate	\$3,245	\$5,024	\$7,068	\$43,324	\$64,308	\$90,538	\$2,659,096	\$3,708,288	\$4,495,183

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Industrial Rates in effect July 1, 2020

#### General Service

Fuel Clause  
Adjustment (FCA) in  
cents:

Demand in kW:	75	75	75	1000	1000	1000	50,000	50,000	50,000
Consumption in kWh:	15,000	30,000	50,000	200,000	400,000	650,000	15,000,000	25,000,000	32,500,000

## Maine

### Emera Maine - Bangor Hydro District

FCA:

generation	\$888	\$1,776	\$2,960	\$7,060	\$14,120	\$22,945	\$529,500	\$882,500	\$1,147,250
transmission	\$1,051	\$1,051	\$1,051	\$13,530	\$13,530	\$13,530	\$676,500	\$676,500	\$676,500
delivery	\$803	\$887	\$1,000	\$3,568	\$4,694	\$6,102	\$204,227	\$260,527	\$302,752
ctc	(\$31)	(\$61)	(\$102)	(\$408)	(\$816)	(\$1,326)	(\$30,600)	(\$51,000)	(\$66,300)
total rate	\$2,711	\$3,653	\$4,909	\$23,750	\$31,528	\$41,251	\$1,379,627	\$1,768,527	\$2,060,202

### Emera Maine - Maine Public District

FCA:

generation	\$781	\$1,561	\$2,602	\$17,000	\$34,000	\$55,250			
transmission	\$725	\$725	\$725	\$10,930	\$10,930	\$10,930			
delivery	\$768	\$878	\$1,026	\$2,017	\$2,287	\$2,624			
ctc	\$17	\$35	\$58	\$232	\$465	\$755			
total rate	\$2,290	\$3,199	\$4,411	\$30,180	\$47,682	\$69,559			

## Average For Maine

generation	\$834	\$1,669	\$2,781	\$12,030	\$24,060	\$39,098	\$529,500	\$882,500	\$1,147,250
transmission	\$888	\$888	\$888	\$12,230	\$12,230	\$12,230	\$676,500	\$676,500	\$676,500
delivery	\$785	\$883	\$1,013	\$2,793	\$3,491	\$4,363	\$204,227	\$260,527	\$302,752
ctc	(\$7)	(\$13)	(\$22)	(\$88)	(\$176)	(\$285)	(\$30,600)	(\$51,000)	(\$66,300)
total rate	\$2,501	\$3,426	\$4,660	\$26,965	\$39,605	\$55,405	\$1,379,627	\$1,768,527	\$2,060,202

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Industrial Rates in effect July 1, 2020

General Service								Fuel Clause Adjustment (FCA) in cents:	
Demand in kW:	75	75	75	1000	1000	1000	50,000	50,000	50,000
Consumption in kWh:	15,000	30,000	50,000	200,000	400,000	650,000	15,000,000	25,000,000	32,500,000

### Massachusetts

#### Boston Edison Company

FCA:

generation	\$1,419	\$2,838	\$4,730	\$16,980	\$33,960	\$55,185	\$1,273,500	\$2,122,500	\$2,759,250
transmission	\$1,375	\$1,375	\$1,375	\$9,000	\$9,000	\$9,000	\$450,000	\$450,000	\$450,000
delivery	\$2,017	\$2,553	\$3,266	\$19,466	\$23,112	\$27,670	\$1,052,200	\$1,234,500	\$1,371,225
ctc	\$0	\$1	\$1	\$4	\$8	\$13	\$300	\$500	\$650
total rate	\$4,811	\$6,766	\$9,372	\$45,450	\$66,080	\$91,868	\$2,776,000	\$3,807,500	\$4,581,125

#### Cambridge Electric Company

FCA:

generation	\$1,419	\$2,838	\$4,730	\$16,980	\$33,960	\$55,185	\$1,273,500	\$2,122,500	\$2,759,250
transmission	\$582	\$582	\$582	\$12,059	\$12,059	\$12,059	\$605,792	\$605,792	\$605,792
delivery	\$1,043	\$1,551	\$2,229	\$12,058	\$17,714	\$24,784	\$740,150	\$1,022,950	\$1,235,050
ctc	\$0	\$1	\$1	\$4	\$8	\$13	\$300	\$500	\$650
total rate	\$3,044	\$4,972	\$7,542	\$41,100	\$63,740	\$92,040	\$2,619,742	\$3,751,742	\$4,600,742

#### Commonwealth Electric Company

FCA:

generation	\$1,419	\$2,838	\$4,730	\$15,727	\$31,454	\$51,113	\$1,179,528	\$1,965,880	\$2,555,644
transmission	\$365	\$731	\$1,218	\$8,675	\$8,675	\$8,675	\$433,895	\$433,895	\$433,895
delivery	\$941	\$1,464	\$2,160	\$6,893	\$11,850	\$18,048	\$425,274	\$673,160	\$859,076
ctc	\$0	\$1	\$1	\$4	\$8	\$12	\$285	\$475	\$618
total rate	\$2,726	\$5,033	\$8,109	\$31,298	\$51,987	\$77,848	\$2,038,982	\$3,073,411	\$3,849,232

#### Fitchburg Gas & Electric Light Company

FCA:

generation				\$13,426	\$26,852	\$43,635	\$1,006,950	\$1,678,250	\$2,181,725
transmission				\$3,632	\$7,264	\$11,804	\$272,400	\$454,000	\$590,200
delivery				\$15,231	\$21,185	\$28,628	\$895,708	\$1,193,431	\$1,416,723
ctc				(\$180)	(\$360)	(\$585)	(\$13,500)	(\$22,500)	(\$29,250)
total rate				\$32,109	\$54,941	\$83,482	\$2,161,558	\$3,303,181	\$4,159,398

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Industrial Rates in effect July 1, 2020

General Service								Fuel Clause Adjustment (FCA) in cents:	
Demand in kW:	75	75	75	1000	1000	1000	50,000	50,000	50,000
Consumption in kWh:	15,000	30,000	50,000	200,000	400,000	650,000	15,000,000	25,000,000	32,500,000
National Grid (Massachusetts Electric Company)								FCA:	
generation	\$1,214	\$2,428	\$4,046	\$16,184	\$32,368	\$52,598	\$1,213,800	\$2,023,000	\$2,629,900
transmission	\$342	\$685	\$1,142	\$4,408	\$8,816	\$14,326	\$330,600	\$551,000	\$716,300
delivery	\$1,239	\$1,705	\$2,325	\$11,580	\$15,985	\$21,492	\$678,312	\$898,572	\$1,063,767
ctc	(\$13)	(\$26)	(\$43)	(\$166)	(\$332)	(\$540)	(\$12,450)	(\$20,750)	(\$26,975)
total rate	\$2,783	\$4,792	\$7,470	\$32,006	\$56,837	\$87,876	\$2,210,262	\$3,451,822	\$4,382,992
Western Massachusetts Electric Company								FCA:	
generation	\$1,118	\$2,237	\$3,728	\$14,912	\$29,823	\$48,463	\$1,118,376	\$1,863,960	\$2,423,148
transmission	\$509	\$509	\$509	\$8,640	\$8,640	\$8,640	\$544,000	\$544,000	\$544,000
delivery	\$946	\$1,238	\$1,627	\$11,807	\$15,238	\$19,528	\$463,536	\$609,693	\$719,311
ctc	\$0	\$1	\$1	\$4	\$8	\$13	\$294	\$490	\$637
total rate	\$2,573	\$3,984	\$5,864	\$35,362	\$53,709	\$76,643	\$2,126,206	\$3,018,143	\$3,687,096

### Average For Massachusetts

generation	\$1,318	\$2,636	\$4,393	\$15,701	\$31,403	\$51,030	\$1,177,609	\$1,962,682	\$2,551,486
transmission	\$635	\$776	\$965	\$7,736	\$9,076	\$10,751	\$439,448	\$506,448	\$556,698
delivery	\$1,237	\$1,702	\$2,322	\$12,839	\$17,514	\$23,358	\$709,196	\$938,718	\$1,110,859
ctc	(\$2)	(\$5)	(\$8)	(\$55)	(\$110)	(\$179)	(\$4,128)	(\$6,881)	(\$8,945)
total rate	\$3,187	\$5,109	\$7,672	\$36,221	\$57,882	\$84,960	\$2,322,125	\$3,400,966	\$4,210,098

### New Hampshire

Public Service Company of New Hampshire d/b/a Eversource Energy								FCA:	
generation	\$1,246	\$2,492	\$4,153	\$16,321	\$32,643	\$53,044	\$1,219,950	\$2,076,500	\$2,699,450
transmission	\$480	\$543	\$627	\$7,608	\$7,608	\$7,608	\$448,239	\$448,239	\$448,239
delivery	\$955	\$1,166	\$1,448	\$8,365	\$10,578	\$13,339	\$463,148	\$543,908	\$623,940
ctc	\$170	\$289	\$447	\$1,973	\$3,288	\$4,931	\$82,613	\$120,093	\$148,203
total rate	\$2,851	\$4,490	\$6,675	\$34,268	\$54,117	\$78,922	\$2,213,950	\$3,188,740	\$3,919,832

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Industrial Rates in effect July 1, 2020

General Service								Fuel Clause Adjustment (FCA) in cents:	
Demand in kW:	75	75	75	1000	1000	1000	50,000	50,000	50,000
Consumption in kWh:	15,000	30,000	50,000	200,000	400,000	650,000	15,000,000	25,000,000	32,500,000
Unitil Energy Systems, Inc.								FCA:	
generation				\$10,594	\$21,188	\$34,431	\$794,550	\$1,324,250	\$1,721,525
transmission				\$5,004	\$10,008	\$16,263	\$375,300	\$625,500	\$813,150
delivery				\$10,775	\$12,447	\$14,537	\$572,621	\$656,221	\$718,921
ctc				(\$41)	(\$47)	(\$55)	(\$2,215)	(\$2,515)	(\$2,740)
total rate				\$26,332	\$43,596	\$65,176	\$1,740,256	\$2,603,456	\$3,250,856

### Average For New Hampshire

generation	\$1,246	\$2,492	\$4,153	\$13,458	\$26,915	\$43,738	\$1,007,250	\$1,700,375	\$2,210,488
transmission	\$480	\$543	\$627	\$6,306	\$8,808	\$11,936	\$411,769	\$536,869	\$630,694
delivery	\$955	\$1,166	\$1,448	\$9,570	\$11,512	\$13,938	\$517,884	\$600,064	\$671,431
ctc	\$170	\$289	\$447	\$966	\$1,620	\$2,438	\$40,199	\$58,789	\$72,732
total rate	\$2,851	\$4,490	\$6,675	\$30,300	\$48,856	\$72,049	\$1,977,103	\$2,896,098	\$3,585,344

### Rhode Island

Narragansett Electric Company								FCA:	
generation	\$1,116	\$2,233	\$3,721	\$13,212	\$26,424	\$42,939	\$990,900	\$1,651,500	\$2,146,950
transmission	\$455	\$581	\$750	\$6,926	\$9,382	\$12,452	\$407,700	\$530,500	\$622,600
delivery	\$1,313	\$1,944	\$2,785	\$14,300	\$22,354	\$32,422	\$907,118	\$1,309,812	\$1,611,832
ctc	(\$12)	(\$25)	(\$41)	(\$164)	(\$328)	(\$533)	(\$12,300)	(\$20,500)	(\$26,650)
total rate	\$2,871	\$4,733	\$7,216	\$34,274	\$57,832	\$87,280	\$2,293,418	\$3,471,312	\$4,354,732

### Average For Rhode Island

generation	\$1,116	\$2,233	\$3,721	\$13,212	\$26,424	\$42,939	\$990,900	\$1,651,500	\$2,146,950
transmission	\$455	\$581	\$750	\$6,926	\$9,382	\$12,452	\$407,700	\$530,500	\$622,600
delivery	\$1,313	\$1,944	\$2,785	\$14,300	\$22,354	\$32,422	\$907,118	\$1,309,812	\$1,611,832
ctc	(\$12)	(\$25)	(\$41)	(\$164)	(\$328)	(\$533)	(\$12,300)	(\$20,500)	(\$26,650)
total rate	\$2,871	\$4,733	\$7,216	\$34,274	\$57,832	\$87,280	\$2,293,418	\$3,471,312	\$4,354,732

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Industrial Rates in effect July 1, 2020

General Service								Fuel Clause Adjustment (FCA) in cents:	
Demand in kW:	75	75	75	1000	1000	1000	50,000	50,000	50,000
Consumption in kWh:	15,000	30,000	50,000	200,000	400,000	650,000	15,000,000	25,000,000	32,500,000

### Vermont

Green Mountain Power (CVPS Zone)

FCA:

total rate	\$3,149	\$4,615	\$6,569	\$37,467	\$55,781	\$78,673	\$1,906,913	\$2,661,113	\$3,226,762
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Green Mountain Power Corporation (GMP Zone)

FCA:

total rate	\$2,890	\$4,334	\$6,259	\$37,064	\$56,317	\$80,383	\$2,328,694	\$3,291,344	\$4,013,331
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### Average For Vermont

total rate	\$3,020	\$4,475	\$6,414	\$37,266	\$56,049	\$79,528	\$2,117,804	\$2,976,229	\$3,620,047
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### Average For New England

generation	\$1,181	\$2,361	\$3,934	\$14,497	\$28,993	\$47,114	\$1,071,250	\$1,789,021	\$2,325,727
transmission	\$669	\$761	\$870	\$8,670	\$9,862	\$11,353	\$471,616	\$536,199	\$584,637
delivery	\$1,133	\$1,519	\$1,985	\$11,356	\$15,238	\$20,092	\$678,692	\$883,291	\$1,038,363
ctc	\$31	\$57	\$93	\$307	\$573	\$905	\$18,292	\$29,357	\$37,655
total rate	\$3,015	\$4,663	\$6,810	\$35,154	\$54,851	\$79,472	\$2,222,414	\$3,200,491	\$3,934,048

### Mid-Atlantic

#### New Jersey

Jersey Central Power & Light Company

FCA:

generation	\$1,079	\$2,159	\$3,598						
transmission	\$183	\$366	\$611	\$1,595	\$3,190	\$5,185	\$104,933	\$174,889	\$227,355
delivery	\$683	\$914	\$1,213	\$8,175	\$10,922	\$14,355	\$374,045	\$504,782	\$602,837
ctc	\$2	\$3	\$5	\$20	\$41	\$66	\$1,505	\$2,509	\$3,261
total rate	\$1,947	\$3,442	\$5,427	\$9,790	\$14,153	\$19,606	\$480,483	\$682,180	\$833,453

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Industrial Rates in effect July 1, 2020

General Service								Fuel Clause Adjustment (FCA) in cents:	
Demand in kW:	75	75	75	1000	1000	1000	50,000	50,000	50,000
Consumption in kWh:	15,000	30,000	50,000	200,000	400,000	650,000	15,000,000	25,000,000	32,500,000
Public Service Electric & Gas Company								FCA:	
generation	\$1,807	\$2,524	\$3,481	\$30,825	\$36,495	\$43,583	\$1,646,546	\$1,922,256	\$2,129,038
delivery	\$1,196	\$1,416	\$1,709	\$13,661	\$16,203	\$19,380	\$438,566	\$564,736	\$659,364
ctc	\$2	\$4	\$6	\$24	\$48	\$79	\$1,785	\$2,975	\$3,868
total rate	\$3,005	\$3,944	\$5,196	\$44,510	\$52,746	\$63,042	\$2,086,897	\$2,489,967	\$2,792,270
Rockland Electric Company								FCA:	
generation	\$1,087	\$1,759	\$2,654	\$14,751	\$23,703	\$34,893	\$731,783	\$907,693	\$1,039,625
delivery	\$1,240	\$1,896	\$2,771	\$15,751	\$23,638	\$32,321	\$913,329	\$1,250,148	\$1,502,762
total rate	\$2,327	\$3,654	\$5,424	\$30,503	\$47,341	\$67,214	\$1,645,111	\$2,157,840	\$2,542,387
Average For New Jersey									
generation	\$1,324	\$2,147	\$3,244	\$22,788	\$30,099	\$39,238	\$1,189,165	\$1,414,975	\$1,584,332
transmission	\$183	\$366	\$611	\$1,595	\$3,190	\$5,185	\$104,933	\$174,889	\$227,355
delivery	\$1,040	\$1,409	\$1,898	\$12,529	\$16,921	\$22,019	\$575,313	\$773,222	\$921,654
ctc	\$2	\$4	\$6	\$22	\$45	\$73	\$1,645	\$2,742	\$3,565
total rate	\$2,426	\$3,680	\$5,349	\$28,268	\$38,080	\$49,954	\$1,404,164	\$1,776,662	\$2,056,037
New York									
Central Hudson Gas & Electric Corporation								FCA:	
generation	\$724	\$1,449	\$2,415	\$9,349	\$15,107	\$22,304	\$608,628	\$894,669	\$1,109,200
delivery	\$1,226	\$1,366	\$1,552	\$14,619	\$15,844	\$17,374	\$399,948	\$461,171	\$507,088
total rate	\$1,951	\$2,815	\$3,967	\$23,968	\$30,951	\$39,678	\$1,008,576	\$1,355,840	\$1,616,287
Consolidated Edison Company of New York								FCA:	
generation	\$1,756	\$2,457	\$3,391	\$23,408	\$32,756	\$44,440	\$1,341,504	\$1,638,468	\$1,861,192
delivery	\$1,975	\$2,441	\$3,061	\$25,813	\$32,017	\$39,773	\$1,626,295	\$1,817,566	\$1,961,018
ctc	\$89	\$178	\$297	\$1,190	\$2,380	\$3,867	\$89,245	\$148,742	\$193,365
total rate	\$3,820	\$5,076	\$6,750	\$50,411	\$67,153	\$88,080	\$3,057,045	\$3,604,776	\$4,015,575

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Industrial Rates in effect July 1, 2020

General Service								Fuel Clause Adjustment (FCA) in cents:	
Demand in kW:	75	75	75	1000	1000	1000	50,000	50,000	50,000
Consumption in kWh:	15,000	30,000	50,000	200,000	400,000	650,000	15,000,000	25,000,000	32,500,000
National Grid (Niagara Mohawk Power Corporation)								FCA:	
generation	\$554	\$1,109	\$1,848	\$8,196	\$13,279	\$19,634	\$457,861	\$659,359	\$810,482
delivery	\$1,095	\$1,216	\$1,377	\$12,313	\$13,882	\$15,843	\$289,751	\$366,074	\$423,316
total rate	\$1,649	\$2,324	\$3,225	\$20,509	\$27,161	\$35,477	\$747,612	\$1,025,432	\$1,233,798
New York State Electric & Gas Corporation								FCA:	
generation	\$512	\$1,023	\$1,646	\$6,879	\$13,002	\$21,128	\$523,848	\$817,900	\$1,063,270
delivery	\$745	\$927	\$1,156	\$10,044	\$12,077	\$14,630	\$197,580	\$299,442	\$376,032
ctc	\$71	\$142	\$236	\$944	\$1,889	\$3,069	\$70,830	\$118,050	\$153,465
total rate	\$1,327	\$2,092	\$3,037	\$17,867	\$26,968	\$38,828	\$792,258	\$1,235,392	\$1,592,767
Orange & Rockland Utilities, Inc.								FCA:	
generation	\$694	\$1,387	\$2,312	\$8,720	\$17,440	\$28,339	\$593,132	\$988,553	\$1,285,119
delivery	\$2,070	\$2,673	\$3,530	\$24,284	\$26,674	\$29,661	\$1,027,258	\$1,116,905	\$1,184,141
total rate	\$2,446	\$4,026	\$6,176	\$28,752	\$45,053	\$65,430	\$1,497,092	\$2,155,628	\$2,649,530
Rochester Gas & Electric Corporation								FCA:	
generation	\$559	\$1,119	\$1,865	\$6,538	\$13,077	\$21,249	\$475,227	\$792,045	\$1,029,659
delivery	\$1,508	\$1,948	\$2,372	\$16,858	\$18,141	\$19,745	\$623,327	\$687,467	\$735,572
ctc	(\$1)	(\$2)	(\$3)	(\$10)	(\$20)	(\$33)	(\$750)	(\$1,250)	(\$1,625)
total rate	\$2,066	\$3,065	\$4,234	\$23,387	\$31,198	\$40,962	\$1,097,805	\$1,478,263	\$1,763,606

### Average For New York

generation	\$800	\$1,424	\$2,246	\$10,515	\$17,443	\$26,182	\$666,700	\$965,166	\$1,193,154
delivery	\$1,436	\$1,762	\$2,175	\$17,322	\$19,773	\$22,838	\$694,027	\$791,437	\$864,528
ctc	\$53	\$106	\$177	\$708	\$1,416	\$2,301	\$53,108	\$88,514	\$115,068
total rate	\$2,210	\$3,233	\$4,565	\$27,482	\$38,081	\$51,409	\$1,366,731	\$1,809,222	\$2,145,261



Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Industrial Rates in effect July 1, 2020

General Service								Fuel Clause Adjustment (FCA) in cents:	
Demand in kW:	75	75	75	1000	1000	1000	50,000	50,000	50,000
Consumption in kWh:	15,000	30,000	50,000	200,000	400,000	650,000	15,000,000	25,000,000	32,500,000

## Pennsylvania

### Duquesne Light Company

FCA:

generation	\$606	\$1,212	\$2,019	\$8,977	\$17,954	\$29,176	\$673,288	\$1,122,147	\$1,458,791
transmission	\$243	\$356	\$506	\$4,993	\$4,993	\$4,993	\$266,672	\$266,672	\$266,672
delivery	\$699	\$867	\$1,090	\$10,686	\$10,686	\$10,686	\$23,467	\$23,467	\$23,467
total rate	\$1,548	\$2,434	\$3,616	\$24,657	\$33,634	\$44,855	\$963,427	\$1,412,286	\$1,748,930

### Metropolitan Edison Company

FCA:

generation	\$826	\$1,652	\$2,753	\$11,012	\$22,024	\$35,789	\$793,200	\$1,322,000	\$1,718,600
delivery	\$1,165	\$1,170	\$1,176	\$4,469	\$4,531	\$4,607	\$83,840	\$86,899	\$89,193
total rate	\$1,991	\$2,822	\$3,929	\$15,481	\$26,555	\$40,396	\$877,040	\$1,408,899	\$1,807,793

### PECO Energy

FCA:

generation	\$762	\$1,524	\$2,540	\$7,220	\$14,440	\$23,465	\$541,500	\$902,500	\$1,173,250
transmission	\$93	\$93	\$93	\$1,240	\$1,240	\$1,240	\$62,000	\$62,000	\$62,000
delivery	\$880	\$871	\$859	\$7,369	\$7,249	\$7,099	\$348,098	\$342,098	\$357,598
total rate	\$1,735	\$2,488	\$3,492	\$15,829	\$22,929	\$31,804	\$951,598	\$1,306,598	\$1,572,848

### Pennsylvania Electric Company

FCA:

generation	\$1,086	\$2,172	\$3,620	\$14,478	\$28,956	\$47,054	\$1,095,900	\$1,826,500	\$2,374,450
delivery	\$1,310	\$1,314	\$1,319	\$5,748	\$5,803	\$5,872	\$162,891	\$165,637	\$167,697
total rate	\$2,396	\$3,486	\$4,939	\$20,226	\$34,759	\$52,926	\$1,258,791	\$1,992,137	\$2,542,147

### Pennsylvania Power Company

FCA:

generation	\$1,114	\$2,228	\$3,714	\$14,856	\$29,712	\$48,282	\$885,150	\$1,475,250	\$1,917,825
delivery	\$484	\$489	\$495	\$5,116	\$5,178	\$5,254	\$67,317	\$70,375	\$72,668
total rate	\$1,598	\$2,717	\$4,209	\$19,972	\$34,890	\$53,536	\$952,467	\$1,545,625	\$1,990,493

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Industrial Rates in effect July 1, 2020

General Service								Fuel Clause Adjustment (FCA) in cents:	
Demand in kW:	75	75	75	1000	1000	1000	50,000	50,000	50,000
Consumption in kWh:	15,000	30,000	50,000	200,000	400,000	650,000	15,000,000	25,000,000	32,500,000
PPL Utilities Corp.								FCA:	
generation	\$601	\$1,203	\$2,005	\$5,510	\$11,020	\$17,908	\$413,250	\$688,750	\$895,375
transmission	\$311	\$621	\$1,035	\$15,868	\$15,868	\$15,868	\$653,050	\$653,050	\$653,050
delivery	\$340	\$359	\$386	\$3,034	\$3,034	\$3,034	\$26,283	\$26,283	\$26,283
total rate	\$1,252	\$2,183	\$3,425	\$24,412	\$29,922	\$36,810	\$1,092,583	\$1,368,083	\$1,574,708
West Penn Power Company								FCA:	
generation	\$653	\$1,305	\$2,175	\$8,700	\$17,400	\$28,275	\$636,000	\$1,060,000	\$1,378,000
delivery	\$564	\$564	\$564	\$5,620	\$5,620	\$5,620	\$110,610	\$110,610	\$110,610
total rate	\$1,217	\$1,869	\$2,739	\$14,320	\$23,020	\$33,895	\$746,610	\$1,170,610	\$1,488,610
<b>Average For Pennsylvania</b>									
generation	\$807	\$1,614	\$2,689	\$10,108	\$20,215	\$32,850	\$719,755	\$1,199,592	\$1,559,470
transmission	\$216	\$357	\$545	\$7,367	\$7,367	\$7,367	\$327,241	\$327,241	\$327,241
delivery	\$777	\$805	\$841	\$6,006	\$6,014	\$6,025	\$117,501	\$117,910	\$121,074
ctc									
total rate	\$1,677	\$2,571	\$3,764	\$19,271	\$29,387	\$42,032	\$977,502	\$1,457,748	\$1,817,933
<b>Average For Mid-Atlantic</b>									
generation	\$901	\$1,643	\$2,627	\$11,961	\$20,424	\$31,035	\$761,121	\$1,134,539	\$1,416,258
transmission	\$207	\$359	\$561	\$5,924	\$6,323	\$6,822	\$271,664	\$289,153	\$302,269
delivery	\$1,074	\$1,277	\$1,539	\$11,473	\$13,219	\$15,328	\$419,538	\$493,354	\$549,978
ctc	\$33	\$65	\$108	\$434	\$868	\$1,410	\$32,523	\$54,205	\$70,467
total rate	\$2,017	\$3,027	\$4,362	\$24,037	\$34,277	\$47,034	\$1,203,462	\$1,649,347	\$1,985,325

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Industrial Rates in effect July 1, 2020

#### General Service

Fuel Clause  
Adjustment (FCA) in  
cents:

Demand in kW:	75	75	75	1000	1000	1000	50,000	50,000	50,000
Consumption in kWh:	15,000	30,000	50,000	200,000	400,000	650,000	15,000,000	25,000,000	32,500,000

### East North Central

#### Illinois

Ameren Illinois (All Rate Zones)

FCA:

generation	\$605	\$1,210	\$2,017						
transmission	\$176	\$353	\$588	\$4,173	\$4,173	\$4,173	\$208,656	\$208,656	\$208,656
delivery	\$526	\$820	\$1,211	\$5,638	\$6,773	\$8,193	\$206,953	\$263,721	\$306,297
total rate	\$1,307	\$2,382	\$3,816	\$9,811	\$10,946	\$12,366	\$415,609	\$472,377	\$514,953

Commonwealth Edison Company

FCA:

generation	\$779	\$1,558	\$2,597						
transmission	\$194	\$388	\$647	\$1,834	\$3,668	\$5,961	\$137,550	\$229,250	\$298,025
delivery	\$722	\$830	\$975	\$9,424	\$10,869	\$12,676	\$156,931	\$219,611	\$266,621
total rate	\$1,695	\$2,776	\$4,219						

MidAmerican Energy

FCA:

0.00705

generation	\$1,027	\$1,907	\$2,948	\$11,404	\$22,808	\$37,063	\$845,970	\$1,409,950	\$1,832,934
transmission	\$815	\$815	\$815	\$3,390	\$3,390	\$3,390	\$160,500	\$160,500	\$160,500
delivery	\$436	\$383	\$313	\$5,669	\$5,245	\$4,715	\$8,436	(\$12,764)	(\$28,664)
total rate	\$2,278	\$3,105	\$4,076	\$20,463	\$31,443	\$45,168	\$1,014,906	\$1,557,686	\$1,964,771

MidAmerican Energy Company (Delivery Service)

FCA:

delivery	\$474	\$458	\$438	\$5,791	\$5,489	\$5,112	\$248,043	\$232,943	\$221,618
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#### Average For Illinois

generation	\$804	\$1,558	\$2,521	\$11,404	\$22,808	\$37,063	\$845,970	\$1,409,950	\$1,832,934
transmission	\$395	\$519	\$683	\$3,132	\$3,744	\$4,508	\$168,902	\$199,469	\$222,394
delivery	\$539	\$623	\$734	\$6,631	\$7,094	\$7,674	\$155,091	\$175,878	\$191,468
total rate	\$1,760	\$2,755	\$4,037	\$15,137	\$21,195	\$28,767	\$715,258	\$1,015,032	\$1,239,862

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Industrial Rates in effect July 1, 2020

General Service								Fuel Clause Adjustment (FCA) in cents:	
Demand in kW:	75	75	75	1000	1000	1000	50,000	50,000	50,000
Consumption in kWh:	15,000	30,000	50,000	200,000	400,000	650,000	15,000,000	25,000,000	32,500,000

#### Indiana

AEP (Indiana Michigan Power)									FCA:	-0.1612
total rate	\$2,181	\$3,773	\$5,897	\$32,358	\$42,757	\$48,809	\$1,663,315	\$2,136,920	\$2,214,485	
Duke Energy Indiana									FCA:	0.8796
total rate	\$1,467	\$2,553	\$3,560	\$18,686	\$33,169	\$46,046	\$1,240,536	\$1,858,923	\$2,098,001	
Indianapolis Power & Light Company									FCA:	-0.008665
total rate	\$2,226	\$2,725	\$3,390	\$28,194	\$36,371	\$44,509	\$1,645,985	\$1,968,885	\$2,211,060	
Northern Indiana Public Service Company									FCA:	-0.003743
total rate	\$2,306	\$3,663	\$5,308	\$27,327	\$42,148	\$60,674	\$1,189,065	\$1,752,880	\$2,156,775	
Southern Indiana Gas & Electric Company									FCA:	-0.9848
total rate	\$2,010	\$3,536	\$5,120	\$21,849	\$33,415	\$47,872	\$1,374,456	\$1,952,736	\$2,386,446	

#### Average For Indiana

total rate	\$2,038	\$3,250	\$4,655	\$25,683	\$37,572	\$49,582	\$1,422,672	\$1,934,069	\$2,213,353	
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#### Michigan

AEP (Indiana Michigan Power combined MI rate areas)									FCA:	-0.295
generation	\$1,665	\$3,031	\$4,852	\$28,485	\$35,982	\$43,099	\$1,548,254	\$1,875,733	\$2,076,478	
delivery	\$651	\$659	\$670	\$6,621	\$6,705	\$6,810	\$14,979	\$19,159	\$22,294	
total rate	\$2,317	\$3,690	\$5,522	\$35,106	\$42,687	\$49,909	\$1,563,233	\$1,894,891	\$2,098,771	
Consumers Energy									FCA:	
total rate	\$2,098	\$3,880	\$4,001	\$24,977	\$35,375	\$41,708	\$1,431,782	\$1,628,252	\$1,775,604	

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Industrial Rates in effect July 1, 2020

General Service								Fuel Clause Adjustment (FCA) in cents:	
Demand in kW:	75	75	75	1000	1000	1000	50,000	50,000	50,000
Consumption in kWh:	15,000	30,000	50,000	200,000	400,000	650,000	15,000,000	25,000,000	32,500,000
DTE Electric Company								FCA:	-0.311
generation	\$1,190	\$2,117	\$2,687	\$15,868	\$28,996	\$36,571	\$1,259,650	\$1,554,050	\$1,766,475
delivery	\$651	\$1,221	\$1,238	\$7,962	\$5,444	\$5,654	\$48,832	\$57,252	\$63,567
total rate	\$1,841	\$3,338	\$3,925	\$23,830	\$34,440	\$42,225	\$1,308,482	\$1,611,302	\$1,830,042
Northern States Power Company (WI)								FCA:	-0.00639
total rate	\$1,706	\$2,701	\$3,867	\$22,584	\$35,849	\$50,430	\$1,474,914	\$2,111,546	\$2,559,020
Upper Michigan Energy Resources Corporation - Unbundled (formerly We Energies)								FCA:	
total rate	\$771	\$891	\$1,085	\$7,167	\$9,135	\$11,595	\$360,118	\$458,518	\$532,318
Upper Michigan Energy Resources Corporation (formerly We Energies)								FCA:	-1.15
total rate	\$2,011	\$3,148	\$4,014	\$27,812	\$37,588	\$49,808	\$1,583,890	\$2,072,688	\$2,439,287
Upper Michigan Energy Resources Corporation (formerly Wisconsin Public Service Corp.)								FCA:	
total rate	\$1,428	\$2,391	\$3,261	\$22,495	\$30,885	\$41,373	\$1,296,473	\$1,715,984	\$2,030,618

### Average For Michigan

generation	\$1,428	\$2,574	\$3,770	\$22,176	\$32,489	\$39,835	\$1,403,952	\$1,714,891	\$1,921,476
delivery	\$651	\$940	\$954	\$7,292	\$6,074	\$6,232	\$31,905	\$38,205	\$42,930
total rate	\$1,739	\$2,863	\$3,668	\$23,424	\$32,280	\$41,007	\$1,288,413	\$1,641,883	\$1,895,094

### Ohio

AEP (Columbus Southern Power Rate Area)								FCA:	
generation	\$670	\$1,339	\$2,232	\$8,640	\$17,281	\$28,081	\$590,185	\$983,643	\$1,278,735
transmission	\$415	\$421	\$430	\$6,207	\$6,294	\$6,402	\$264,378	\$268,630	\$271,819
delivery	\$646	\$764	\$921	\$7,144	\$8,742	\$10,701	\$58,855	\$66,024	\$71,400
total rate	\$1,731	\$2,525	\$3,583	\$21,991	\$32,316	\$45,184	\$913,418	\$1,318,296	\$1,621,955

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Industrial Rates in effect July 1, 2020

General Service								Fuel Clause Adjustment (FCA) in cents:	
Demand in kW:	75	75	75	1000	1000	1000	50,000	50,000	50,000
Consumption in kWh:	15,000	30,000	50,000	200,000	400,000	650,000	15,000,000	25,000,000	32,500,000
AEP (Ohio Power Rate Area)								FCA:	
generation	\$670	\$1,339	\$2,232	\$8,640	\$17,281	\$28,081	\$590,186	\$983,643	\$1,278,735
transmission	\$414	\$421	\$430	\$6,207	\$6,294	\$6,402	\$264,378	\$268,630	\$271,819
delivery	\$680	\$797	\$954	\$8,092	\$9,659	\$11,618	\$58,062	\$65,231	\$70,608
total rate	\$1,764	\$2,558	\$3,617	\$22,939	\$33,233	\$46,101	\$912,626	\$1,317,504	\$1,621,162
Cleveland Electric Illuminating Company								FCA:	
generation	\$901	\$1,802	\$3,004	\$10,536	\$21,072	\$34,241	\$754,417	\$1,241,887	\$1,614,240
transmission	\$425	\$425	\$425	\$6,114	\$6,114	\$6,114	\$205,918	\$205,918	\$205,918
delivery	\$886	\$864	\$833	\$2,600	\$2,833	\$3,124	\$95,794	\$159,404	\$207,111
total rate	\$2,213	\$3,091	\$4,262	\$19,250	\$30,018	\$43,479	\$1,047,129	\$1,607,209	\$2,027,269
Dayton Power & Light Company								FCA:	
generation	\$673	\$1,347	\$2,244	\$8,978	\$17,956	\$29,178	\$673,332	\$1,122,220	\$2,244,440
transmission	\$72	\$78	\$86	\$963	\$1,041	\$1,138	\$50,095	\$53,972	\$63,665
delivery	\$652	\$806	\$1,013	\$5,623	\$7,687	\$10,268	\$287,788	\$367,875	\$568,093
total rate	\$1,397	\$2,231	\$3,343	\$15,563	\$26,683	\$40,583	\$1,011,215	\$1,544,067	\$2,876,197
Duke Energy Ohio								FCA:	
generation	\$827	\$1,446	\$2,247	\$11,026	\$19,276	\$29,287	\$720,808	\$1,117,252	\$1,410,783
transmission	\$156	\$157	\$157	\$2,080	\$2,088	\$2,098	\$76,594	\$77,000	\$77,305
delivery	\$724	\$897	\$1,129	\$8,883	\$11,201	\$14,098	\$143,307	\$237,418	\$308,000
total rate	\$1,707	\$2,500	\$3,533	\$21,989	\$32,565	\$45,483	\$940,709	\$1,431,670	\$1,796,088
Ohio Edison Company								FCA:	
generation	\$877	\$1,754	\$2,923	\$10,125	\$20,250	\$32,906	\$729,502	\$1,215,362	\$1,579,757
transmission	\$389	\$389	\$389	\$5,863	\$5,863	\$5,863	\$273,470	\$273,470	\$273,470
delivery	\$643	\$658	\$677	\$2,718	\$3,061	\$3,490	\$57,035	\$80,445	\$98,002
total rate	\$1,909	\$2,800	\$3,988	\$18,706	\$29,174	\$42,259	\$1,060,008	\$1,569,278	\$1,951,230

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Industrial Rates in effect July 1, 2020

General Service								Fuel Clause Adjustment (FCA) in cents:	
Demand in kW:	75	75	75	1000	1000	1000	50,000	50,000	50,000
Consumption in kWh:	15,000	30,000	50,000	200,000	400,000	650,000	15,000,000	25,000,000	32,500,000
Toledo Edison Company								FCA:	
generation	\$862	\$1,725	\$2,875	\$10,026	\$20,051	\$32,583	\$736,027	\$1,226,237	\$1,593,895
transmission	\$392	\$392	\$392	\$6,731	\$6,731	\$6,731	\$331,882	\$331,882	\$331,882
delivery	\$810	\$791	\$766	\$1,993	\$2,776	\$3,755	\$33,331	\$50,691	\$63,711
total rate	\$2,064	\$2,908	\$4,032	\$18,750	\$29,559	\$43,070	\$1,101,240	\$1,608,810	\$1,989,487
<b>Average For Ohio</b>									
generation	\$783	\$1,536	\$2,537	\$9,710	\$19,024	\$30,622	\$684,922	\$1,127,178	\$1,571,512
transmission	\$323	\$326	\$330	\$4,881	\$4,918	\$4,964	\$209,531	\$211,357	\$213,697
delivery	\$720	\$797	\$899	\$5,293	\$6,566	\$8,150	\$104,882	\$146,727	\$198,132
total rate	\$1,826	\$2,659	\$3,765	\$19,884	\$30,507	\$43,737	\$998,049	\$1,485,262	\$1,983,341
<b>Wisconsin</b>									
Northern States Power Company (WI)								FCA:	
total rate	\$1,892	\$2,739	\$3,569	\$26,914	\$38,658	\$53,338	\$1,423,868	\$1,885,052	\$2,174,690
Northwestern Wisconsin Electric Company								FCA:	
total rate	\$1,759	\$2,867	\$4,345	\$21,410	\$33,970	\$49,670	\$1,379,600	\$2,007,600	\$2,478,600
Superior Water, Light & Power Company								FCA:	
total rate	\$1,626	\$2,577	\$3,845	\$21,441	\$33,677	\$48,972	\$1,208,100	\$1,633,150	\$1,953,150
We Energies (formerly Wisconsin Electric)								FCA:	
total rate	\$2,031	\$3,133	\$4,294	\$32,064	\$43,858	\$58,600	\$1,868,610	\$2,458,282	\$2,900,536
Wisconsin Public Service Corporation								FCA:	
generation	\$1,445	\$2,336	\$3,263	\$21,880	\$31,150	\$42,738	\$1,325,750	\$1,789,250	\$2,136,875
delivery	\$135	\$903	\$856	\$3,278	\$2,807	\$2,219	\$115,447	\$91,903	\$74,245
total rate	\$1,580	\$3,239	\$4,119	\$25,158	\$33,957	\$44,956	\$1,441,197	\$1,881,153	\$2,211,120

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Industrial Rates in effect July 1, 2020

General Service								Fuel Clause Adjustment (FCA) in cents:	
Demand in kW:	75	75	75	1000	1000	1000	50,000	50,000	50,000
Consumption in kWh:	15,000	30,000	50,000	200,000	400,000	650,000	15,000,000	25,000,000	32,500,000
<b>Average For Wisconsin</b>									
generation	\$1,445	\$2,336	\$3,263	\$21,880	\$31,150	\$42,738	\$1,325,750	\$1,789,250	\$2,136,875
delivery	\$135	\$903	\$856	\$3,278	\$2,807	\$2,219	\$115,447	\$91,903	\$74,245
total rate	\$1,778	\$2,911	\$4,034	\$25,397	\$36,824	\$51,107	\$1,464,275	\$1,973,047	\$2,343,619
<b>Average For East North Central</b>									
generation	\$938	\$1,762	\$2,779	\$13,237	\$22,918	\$33,984	\$888,553	\$1,319,930	\$1,710,304
transmission	\$345	\$384	\$436	\$4,356	\$4,565	\$4,827	\$197,342	\$207,791	\$216,306
delivery	\$617	\$775	\$857	\$5,817	\$6,378	\$7,316	\$109,557	\$135,637	\$165,207
total rate	\$1,826	\$2,879	\$3,985	\$22,647	\$32,841	\$44,392	\$1,225,788	\$1,671,372	\$2,015,909
<b>West North Central</b>									
<b>Iowa</b>									
Interstate Power & Light								FCA:	0.02324
total rate	\$2,843	\$3,532	\$4,452	\$37,371	\$46,565	\$58,057	\$2,022,930	\$2,482,624	\$2,827,394
MidAmerican Energy - East System								FCA:	0.00775
total rate	\$1,830	\$2,891	\$4,168	\$21,889	\$35,825	\$51,545	\$1,199,933	\$1,882,289	\$2,394,055
MidAmerican Energy-North System								FCA:	0.00775
total rate	\$1,764	\$2,758	\$3,947	\$21,129	\$34,305	\$49,075	\$1,160,257	\$1,792,162	\$2,266,091
MidAmerican Energy-South System								FCA:	0.00775
total rate	\$1,830	\$2,890	\$4,167	\$21,529	\$35,105	\$50,375	\$1,148,203	\$1,797,406	\$2,284,307
<b>Average For Iowa</b>									
total rate	\$2,067	\$3,018	\$4,183	\$25,479	\$37,950	\$52,263	\$1,382,831	\$1,988,620	\$2,442,962



Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Industrial Rates in effect July 1, 2020

General Service								Fuel Clause Adjustment (FCA) in cents:	
Demand in kW:	75	75	75	1000	1000	1000	50,000	50,000	50,000
Consumption in kWh:	15,000	30,000	50,000	200,000	400,000	650,000	15,000,000	25,000,000	32,500,000

## Kansas

Empire District Electric Company								FCA:	2.488
total rate	\$1,848	\$2,639	\$3,692	\$22,333	\$32,871	\$46,044	\$1,052,363	\$1,449,263	\$1,746,938
Kansas City Power & Light Company								FCA:	0.01732
transmission	\$2	\$2	\$2	\$2	\$2	\$2	\$2	\$2	\$2
total rate	\$2,270	\$3,383	\$4,878	\$29,055	\$41,398	\$52,700	\$1,689,678	\$2,192,068	\$2,523,343
Westar Energy-KGE								FCA:	2.0582
transmission	\$216	\$433	\$721	\$4,594	\$4,594	\$4,594	\$280,041	\$280,041	\$280,041
total rate	\$1,919	\$3,195	\$4,895	\$26,129	\$33,144	\$41,913	\$1,533,423	\$1,895,470	\$2,167,006
Westar Energy-KPL								FCA:	2.0582
transmission	\$216	\$433	\$721	\$4,594	\$4,594	\$4,594	\$280,041	\$280,041	\$280,041
total rate	\$1,919	\$3,195	\$4,895	\$26,129	\$33,144	\$41,913	\$1,533,423	\$1,895,470	\$2,167,006

## Average For Kansas

transmission	\$145	\$289	\$482	\$3,063	\$3,063	\$3,063	\$186,695	\$186,695	\$186,695
total rate	\$1,989	\$3,103	\$4,590	\$25,912	\$35,139	\$45,643	\$1,452,222	\$1,858,068	\$2,151,073

## Minnesota

Northern States Power Company (MN)								FCA:	2.666
total rate	\$2,128	\$3,098	\$4,088	\$28,007	\$40,949	\$53,315	\$1,722,466	\$2,293,350	\$2,664,332
Otter Tail Power Company								FCA:	-0.00388
total rate	\$1,807	\$2,660	\$3,797	\$22,376	\$33,748	\$47,964	\$1,394,195	\$1,962,805	\$2,389,263

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Industrial Rates in effect July 1, 2020

General Service								Fuel Clause Adjustment (FCA) in cents:	
Demand in kW:	75	75	75	1000	1000	1000	50,000	50,000	50,000
Consumption in kWh:	15,000	30,000	50,000	200,000	400,000	650,000	15,000,000	25,000,000	32,500,000
<b>Average For Minnesota</b>									
total rate	\$1,967	\$2,879	\$3,942	\$25,192	\$37,349	\$50,639	\$1,558,331	\$2,128,078	\$2,526,798
<b>Missouri</b>									
Ameren Missouri									FCA: -0.00207
total rate	\$1,607	\$3,069	\$4,095	\$24,117	\$37,949	\$50,776	\$1,503,325	\$1,840,784	\$2,103,846
Empire District Electric Company									FCA: 0.0004
total rate	\$2,017	\$3,015	\$4,244	\$26,035	\$39,348	\$54,703	\$1,872,534	\$2,300,584	\$2,563,009
Kansas City Power & Light - GMO									FCA: 0.00175
total rate	\$1,716	\$2,894	\$4,465	\$26,053	\$35,289	\$45,794	\$1,447,990	\$1,871,610	\$2,177,985
Kansas City Power & Light Company									FCA: 0.00011
total rate	\$2,213	\$3,338	\$4,654	\$30,351	\$47,509	\$54,437	\$1,685,857	\$2,038,167	\$2,241,492
<b>Average For Missouri</b>									
total rate	\$1,888	\$3,079	\$4,365	\$26,639	\$40,024	\$51,428	\$1,627,426	\$2,012,786	\$2,271,583
<b>North Dakota</b>									
Montana-Dakota Utilities Company									FCA: 0.01801
total rate	\$1,854	\$2,672	\$3,764	\$24,024	\$34,942	\$48,590	\$1,471,412	\$2,017,312	\$2,426,737
Northern States Power Company (MN)									FCA: 2.203
total rate	\$1,948	\$2,855	\$3,853	\$25,659	\$37,743	\$50,222	\$1,583,796	\$2,135,476	\$2,509,861

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Industrial Rates in effect July 1, 2020

General Service								Fuel Clause Adjustment (FCA) in cents:	
Demand in kW:	75	75	75	1000	1000	1000	50,000	50,000	50,000
Consumption in kWh:	15,000	30,000	50,000	200,000	400,000	650,000	15,000,000	25,000,000	32,500,000
Otter Tail Power Company								FCA:	1.848
total rate	\$2,034	\$2,695	\$3,575	\$22,984	\$31,786	\$42,788	\$1,357,424	\$1,797,520	\$2,127,592
<b>Average For North Dakota</b>									
total rate	\$1,945	\$2,741	\$3,731	\$24,222	\$34,824	\$47,200	\$1,470,877	\$1,983,436	\$2,354,730

### South Dakota

Black Hills Power, Inc. d/b/a Black Hills Energy								FCA:	1.382
total rate	\$1,343	\$1,920	\$5,513	\$25,927	\$40,751	\$58,553	\$1,407,414	\$1,944,514	\$2,347,339
MidAmerican Energy								FCA:	-0.00433
total rate	\$1,313	\$1,929	\$2,161	\$17,451	\$24,817	\$28,822	\$1,080,325	\$1,314,825	\$1,434,975
Montana-Dakota Utilities Company								FCA:	0.01669
total rate	\$1,475	\$2,302	\$3,404	\$19,300	\$30,320	\$44,095	\$1,239,030	\$1,790,030	\$2,203,280
Northern States Power Company (MN)								FCA:	1.636
total rate	\$1,867	\$2,760	\$3,797	\$24,624	\$36,524	\$49,943	\$1,537,127	\$2,084,487	\$2,473,565
Northwestern Energy								FCA:	0.02048
total rate	\$2,354	\$3,138	\$3,936	\$25,637	\$34,432	\$42,407	\$1,464,399	\$1,866,727	\$2,083,402
Otter Tail Power Company								FCA:	1.803
total rate	\$1,924	\$2,611	\$3,527	\$21,853	\$31,012	\$42,461	\$1,310,701	\$1,768,665	\$2,112,137

### Average For South Dakota

total rate	\$1,713	\$2,443	\$3,723	\$22,465	\$32,976	\$44,380	\$1,339,833	\$1,794,875	\$2,109,116
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Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Industrial Rates in effect July 1, 2020

General Service								Fuel Clause Adjustment (FCA) in cents:	
Demand in kW:	75	75	75	1000	1000	1000	50,000	50,000	50,000
Consumption in kWh:	15,000	30,000	50,000	200,000	400,000	650,000	15,000,000	25,000,000	32,500,000
<b>Average For West North Central</b>									
transmission	\$145	\$289	\$482	\$3,063	\$3,063	\$3,063	\$186,695	\$186,695	\$186,695
total rate	\$1,905	\$2,845	\$4,085	\$24,781	\$36,064	\$48,108	\$1,452,965	\$1,931,026	\$2,271,085

## South Atlantic

### District of Columbia

Potomac Electric Power Company

FCA:

generation	\$882	\$1,764	\$2,940	\$11,829	\$23,503	\$37,458	\$888,705	\$1,449,230	\$1,872,881
transmission	\$82	\$164	\$274	\$2,189	\$3,219	\$3,719	\$150,970	\$170,970	\$185,970
delivery	\$1,164	\$1,795	\$2,637	\$12,927	\$17,416	\$23,028	\$749,382	\$973,845	\$1,142,192
total rate	\$2,128	\$3,724	\$5,852	\$27,575	\$44,138	\$64,205	\$1,789,057	\$2,594,045	\$3,201,043

### Average For District of Columbia

generation	\$882	\$1,764	\$2,940	\$11,829	\$23,503	\$37,458	\$888,705	\$1,449,230	\$1,872,881
transmission	\$82	\$164	\$274	\$2,189	\$3,219	\$3,719	\$150,970	\$170,970	\$185,970
delivery	\$1,164	\$1,795	\$2,637	\$12,927	\$17,416	\$23,028	\$749,382	\$973,845	\$1,142,192
total rate	\$2,128	\$3,724	\$5,852	\$27,575	\$44,138	\$64,205	\$1,789,057	\$2,594,045	\$3,201,043

## Florida

Duke Energy Florida

FCA:

3.317

total rate	\$1,891	\$2,925	\$4,057	\$23,743	\$37,386	\$50,614	\$1,519,274	\$2,053,477	\$2,521,314
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Florida Power & Light Company

FCA:

2.139

total rate	\$1,593	\$2,297	\$3,236	\$22,424	\$30,849	\$40,915	\$744,854	\$1,076,744	\$1,325,662
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Florida Public Utilities Company

FCA:

total rate	\$1,817	\$3,057	\$4,711	\$24,346	\$39,635	\$58,746	\$1,588,892	\$2,353,342	\$2,926,679
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Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Industrial Rates in effect July 1, 2020

General Service								Fuel Clause Adjustment (FCA) in cents:	
Demand in kW:	75	75	75	1000	1000	1000	50,000	50,000	50,000
Consumption in kWh:	15,000	30,000	50,000	200,000	400,000	650,000	15,000,000	25,000,000	32,500,000
Gulf Power Company								FCA:	3.262
total rate	\$1,793	\$2,996	\$4,599	\$27,870	\$39,881	\$54,894	\$1,680,557	\$2,281,081	\$2,536,176
Tampa Electric Company								FCA:	2.638
total rate	\$35	\$47	\$62	\$459	\$615	\$809	\$26,821	\$34,590	\$40,417

### Average For Florida

total rate	\$1,426	\$2,264	\$3,333	\$19,768	\$29,673	\$41,196	\$1,112,080	\$1,559,847	\$1,870,050
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## Georgia

Georgia Power Company								FCA:	2.3375
total rate	\$2,356	\$2,936	\$3,628	\$32,007	\$40,318	\$49,438	\$1,483,773	\$1,872,932	\$2,139,856

### Average For Georgia

total rate	\$2,356	\$2,936	\$3,628	\$32,007	\$40,318	\$49,438	\$1,483,773	\$1,872,932	\$2,139,856
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## Maryland

Baltimore Gas & Electric Company								FCA:	
generation	\$683	\$1,367	\$2,278						
transmission	\$224	\$224	\$224						
delivery	\$701	\$1,017	\$1,451	\$8,055	\$12,424	\$17,784	\$275,874	\$361,188	\$425,036
total rate	\$1,608	\$2,607	\$3,952	\$8,055	\$12,424	\$17,784	\$275,874	\$361,188	\$425,036

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Industrial Rates in effect July 1, 2020

General Service								Fuel Clause Adjustment (FCA) in cents:	
Demand in kW:	75	75	75	1000	1000	1000	50,000	50,000	50,000
Consumption in kWh:	15,000	30,000	50,000	200,000	400,000	650,000	15,000,000	25,000,000	32,500,000
Potomac Edison Company								FCA:	
generation	\$1,026	\$1,743	\$2,412	\$9,418	\$18,836	\$30,609	\$706,350	\$1,177,250	\$1,530,425
transmission	\$50	\$99	\$131	\$967	\$1,233	\$1,566	\$46,400	\$58,200	\$67,050
delivery	\$680	\$737	\$991	\$7,020	\$9,820	\$13,344	\$305,058	\$393,958	\$460,633
total rate	\$1,756	\$2,579	\$3,534	\$17,405	\$29,889	\$45,519	\$1,057,808	\$1,629,408	\$2,058,108
Potomac Electric Power (Montgomery County)								FCA:	
generation	\$757	\$1,504	\$2,492	\$10,416	\$20,831	\$33,851	\$781,169	\$1,301,948	\$1,692,532
transmission	\$332	\$446	\$600	\$4,233	\$5,488	\$7,057	\$243,046	\$305,801	\$352,867
delivery	\$727	\$1,265	\$1,996	\$10,286	\$17,772	\$27,154	\$680,183	\$1,051,596	\$1,330,016
total rate	\$1,815	\$3,216	\$5,088	\$24,035	\$44,092	\$68,062	\$1,704,397	\$2,659,345	\$3,375,416
Potomac Electric Power (Prince George's County)								FCA:	
generation	\$757	\$1,504	\$2,492	\$10,416	\$20,831	\$33,851	\$781,169	\$1,301,948	\$1,692,532
transmission	\$332	\$446	\$600	\$4,233	\$5,488	\$7,057	\$243,046	\$305,801	\$352,867
delivery	\$423	\$659	\$985	\$6,241	\$9,683	\$14,009	\$376,829	\$546,006	\$672,749
total rate	\$1,512	\$2,609	\$4,077	\$20,890	\$36,003	\$54,917	\$1,401,043	\$2,153,755	\$2,718,149
<b>Average For Maryland</b>									
generation	\$806	\$1,529	\$2,418	\$10,083	\$20,166	\$32,770	\$756,229	\$1,260,382	\$1,638,497
transmission	\$234	\$304	\$389	\$3,145	\$4,070	\$5,227	\$177,497	\$223,267	\$257,595
delivery	\$633	\$919	\$1,356	\$7,901	\$12,425	\$18,073	\$409,486	\$588,187	\$722,108
total rate	\$1,673	\$2,753	\$4,163	\$17,596	\$30,602	\$46,570	\$1,109,781	\$1,700,924	\$2,144,177

### North Carolina

Dominion Energy North Carolina								FCA:	0.00014
total rate	\$1,379	\$2,475	\$3,426	\$19,959	\$30,781	\$40,304	\$1,343,724	\$1,724,636	\$2,010,320
Duke Energy Carolinas								FCA:	0.0817
total rate	\$1,356	\$2,554	\$3,429	\$17,283	\$33,388	\$44,332	\$1,216,370	\$1,658,530	\$1,990,151

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Industrial Rates in effect July 1, 2020

General Service								Fuel Clause Adjustment (FCA) in cents:	
Demand in kW:	75	75	75	1000	1000	1000	50,000	50,000	50,000
Consumption in kWh:	15,000	30,000	50,000	200,000	400,000	650,000	15,000,000	25,000,000	32,500,000
Duke Energy Progress, Inc.								FCA:	
total rate	\$1,605	\$2,453	\$3,345	\$22,928	\$31,944	\$46,799	\$1,272,492	\$1,723,292	\$2,240,617
<b>Average For North Carolina</b>									
total rate	\$1,447	\$2,494	\$3,400	\$20,057	\$32,038	\$43,812	\$1,277,529	\$1,702,153	\$2,080,363

### South Carolina

Dominion Energy South Carolina (formerly SCE&G)								FCA:	
total rate	\$1,782	\$2,966	\$3,838	\$23,822	\$31,579	\$41,274	\$1,291,229	\$1,679,046	\$1,969,908
Duke Energy Carolinas								FCA:	
total rate	\$1,566	\$2,900	\$3,810	\$18,477	\$31,590	\$48,546	\$1,118,938	\$1,832,003	\$2,173,052
Duke Energy Progress, Inc.								FCA:	
total rate	\$1,795	\$2,727	\$3,921	\$26,038	\$38,846	\$56,862	\$1,524,360	\$2,164,760	\$2,745,385

### Average For South Carolina

total rate	\$1,715	\$2,864	\$3,856	\$22,779	\$34,005	\$48,894	\$1,311,509	\$1,891,936	\$2,296,115
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### Virginia

AEP (Appalachian Power Rate Area)								FCA:	
generation	\$979	\$1,600	\$2,288	\$12,786	\$20,958	\$29,154	\$945,605	\$1,225,134	\$1,434,781
transmission	\$269	\$384	\$471	\$3,464	\$4,937	\$5,876	\$274,300	\$280,500	\$285,150
delivery	\$255	\$395	\$504	\$2,163	\$3,524	\$3,846	\$4,238	\$4,238	\$4,238
total rate	\$1,503	\$2,379	\$3,262	\$18,413	\$29,418	\$38,877	\$1,224,142	\$1,509,872	\$1,724,169

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Industrial Rates in effect July 1, 2020

General Service									Fuel Clause Adjustment (FCA) in cents:
Demand in kW:	75	75	75	1000	1000	1000	50,000	50,000	50,000
Consumption in kWh:	15,000	30,000	50,000	200,000	400,000	650,000	15,000,000	25,000,000	32,500,000
Dominion Energy Virginia									FCA: 0.017357
generation	\$1,045	\$1,844	\$2,273	\$18,383	\$22,475	\$27,590	\$1,025,812	\$1,230,420	\$1,383,875
transmission	\$443	\$285	\$285	\$3,776	\$3,776	\$3,776	\$188,800	\$188,800	\$188,800
delivery	\$385	\$302	\$319	\$1,193	\$1,238	\$1,295	\$42,294	\$43,094	\$43,694
total rate	\$1,873	\$2,431	\$2,877	\$23,351	\$27,489	\$32,661	\$1,256,906	\$1,462,313	\$1,616,369
Old Dominion Power Company									FCA: 2.183
total rate	\$2,161	\$2,812	\$3,680	\$23,825	\$32,505	\$43,355	\$1,301,162	\$1,735,162	\$2,060,662

### Average For Virginia

generation	\$1,012	\$1,722	\$2,280	\$15,584	\$21,717	\$28,372	\$985,708	\$1,227,777	\$1,409,328
transmission	\$356	\$334	\$378	\$3,620	\$4,357	\$4,826	\$231,550	\$234,650	\$236,975
delivery	\$320	\$348	\$412	\$1,678	\$2,381	\$2,570	\$23,266	\$23,666	\$23,966
total rate	\$1,846	\$2,541	\$3,273	\$21,863	\$29,804	\$38,298	\$1,260,736	\$1,569,116	\$1,800,400

### West Virginia

AEP (Appalachian Power Rate Area)									FCA:
total rate	\$1,857	\$2,594	\$3,327	\$21,830	\$31,374	\$40,301	\$1,209,466	\$1,525,266	\$1,762,116
AEP (Wheeling Power Rate Area)									FCA:
total rate	\$1,857	\$2,594	\$3,327	\$21,830	\$31,374	\$40,301	\$1,209,466	\$1,525,266	\$1,762,116
Monongahela Power Company									FCA:
total rate	\$1,959	\$2,518	\$3,264	\$25,219	\$31,997	\$40,470	\$1,249,702	\$1,521,102	\$1,724,652
Potomac Edison Company									FCA:
total rate	\$1,959	\$2,518	\$3,264	\$25,219	\$31,997	\$40,470	\$1,249,702	\$1,521,102	\$1,724,652



Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Industrial Rates in effect July 1, 2020

General Service								Fuel Clause Adjustment (FCA) in cents:	
Demand in kW:	75	75	75	1000	1000	1000	50,000	50,000	50,000
Consumption in kWh:	15,000	30,000	50,000	200,000	400,000	650,000	15,000,000	25,000,000	32,500,000

### Average For West Virginia

total rate	\$1,908	\$2,556	\$3,296	\$23,525	\$31,686	\$40,386	\$1,229,584	\$1,523,184	\$1,743,384
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### Average For South Atlantic

generation	\$876	\$1,618	\$2,453	\$12,208	\$21,239	\$32,085	\$854,802	\$1,280,988	\$1,601,171
transmission	\$247	\$293	\$369	\$3,144	\$4,024	\$4,842	\$191,094	\$218,345	\$238,784
delivery	\$619	\$881	\$1,269	\$6,841	\$10,268	\$14,351	\$347,694	\$481,989	\$582,651
total rate	\$1,707	\$2,621	\$3,649	\$21,542	\$32,063	\$44,186	\$1,239,167	\$1,693,844	\$2,032,168

### East South Central

#### Alabama

Alabama Power Company								FCA:	2.2562
total rate	\$2,250	\$3,903	\$6,007	\$19,180	\$31,590	\$45,591	\$1,251,302	\$1,805,388	\$2,220,954

### Average For Alabama

total rate	\$2,250	\$3,903	\$6,007	\$19,180	\$31,590	\$45,591	\$1,251,302	\$1,805,388	\$2,220,954
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#### Kentucky

AEP (Kentucky Power Rate Area)								FCA:	-0.01226
total rate	\$1,976	\$3,462	\$5,443	\$29,318	\$32,658	\$36,834	\$1,091,911	\$1,248,513	\$1,365,965
Duke Energy Kentucky								FCA:	-0.002343
total rate	\$1,628	\$2,436	\$3,327	\$24,094	\$32,290	\$42,536	\$1,118,310	\$1,561,454	\$1,893,811

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Industrial Rates in effect July 1, 2020

General Service								Fuel Clause Adjustment (FCA) in cents:	
Demand in kW:	75	75	75	1000	1000	1000	50,000	50,000	50,000
Consumption in kWh:	15,000	30,000	50,000	200,000	400,000	650,000	15,000,000	25,000,000	32,500,000
Kentucky Utilities Company								FCA:	-0.351
total rate	\$2,525	\$2,971	\$3,565	\$26,791	\$31,417	\$37,200	\$1,365,214	\$1,590,137	\$1,758,829
Louisville Gas & Electric Company								FCA:	-0.115
total rate	\$2,524	\$3,058	\$3,772	\$29,898	\$35,277	\$42,001	\$1,508,567	\$1,773,279	\$1,971,813
<b>Average For Kentucky</b>									
total rate	\$2,163	\$2,982	\$4,027	\$27,525	\$32,910	\$39,643	\$1,271,000	\$1,543,346	\$1,747,605

## Mississippi

Entergy Mississippi, Inc.								FCA:	-0.027942
total rate	\$1,601	\$2,640	\$4,026	\$15,261	\$25,604	\$33,833	\$1,059,670	\$1,187,318	\$1,283,054
Mississippi Power Company								FCA:	
total rate	\$1,974	\$2,944	\$3,881	\$22,453	\$34,252	\$46,396	\$1,306,270	\$1,862,049	\$2,195,912
<b>Average For Mississippi</b>									
total rate	\$1,788	\$2,792	\$3,953	\$18,857	\$29,928	\$40,115	\$1,182,970	\$1,524,683	\$1,739,483

## Tennessee

AEP (Kingsport Power Rate Area)								FCA:	
total rate	\$1,904	\$2,938	\$4,316	\$24,967	\$35,370	\$48,373	\$1,293,525	\$1,684,275	\$1,977,337

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Industrial Rates in effect July 1, 2020

General Service								Fuel Clause Adjustment (FCA) in cents:	
Demand in kW:	75	75	75	1000	1000	1000	50,000	50,000	50,000
Consumption in kWh:	15,000	30,000	50,000	200,000	400,000	650,000	15,000,000	25,000,000	32,500,000

### Average For Tennessee

total rate	\$1,904	\$2,938	\$4,316	\$24,967	\$35,370	\$48,373	\$1,293,525	\$1,684,275	\$1,977,337
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### Average For East South Central

total rate	\$2,048	\$3,044	\$4,292	\$23,995	\$32,307	\$41,596	\$1,249,346	\$1,589,052	\$1,833,459
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### West South Central

#### Arkansas

Empire District Electric Company								FCA:	2.392
total rate	\$1,965	\$2,739	\$3,661	\$25,434	\$35,761	\$47,290	\$1,710,378	\$2,065,919	\$2,321,689
Entergy Arkansas, Inc.								FCA:	1.052
total rate	\$1,516	\$2,441	\$3,989	\$20,250	\$34,414	\$40,582	\$1,357,347	\$1,763,072	\$1,998,701
OG&E Electric Services								FCA:	1.8491
total rate	\$1,434	\$1,960	\$2,662	\$16,897	\$23,451	\$31,645	\$996,733	\$1,324,466	\$1,570,265
Southwestern Electric Power Company								FCA:	3.170108
total rate	\$1,672	\$2,553	\$3,727	\$22,297	\$34,037	\$48,713	\$1,140,012	\$1,657,902	\$2,046,319

### Average For Arkansas

total rate	\$1,647	\$2,423	\$3,510	\$21,219	\$31,916	\$42,057	\$1,301,117	\$1,702,840	\$1,984,243
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Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Industrial Rates in effect July 1, 2020

General Service									Fuel Clause Adjustment (FCA) in cents:
Demand in kW:	75	75	75	1000	1000	1000	50,000	50,000	50,000
Consumption in kWh:	15,000	30,000	50,000	200,000	400,000	650,000	15,000,000	25,000,000	32,500,000

## Louisiana

CLECO Power LLC	FCA: #####								
total rate	\$1,829	\$2,535	\$3,477	\$24,135	\$33,554	\$45,327	\$1,482,475	\$1,763,492	\$1,974,254
Entergy Louisiana, Inc.	FCA: 1.8								
total rate	\$1,607	\$2,747	\$3,821	\$16,399	\$27,456	\$38,978	\$1,058,909	\$1,554,464	\$1,717,716
Entergy Louisiana, LLC (formerly Entergy Gulf States, Inc.)	FCA: 1.8								
total rate	\$1,310	\$2,044	\$2,983	\$16,180	\$25,813	\$37,302	\$958,514	\$1,276,915	\$1,502,179
Entergy New Orleans, Inc.	FCA: 1.2338								
total rate	\$1,784	\$2,803	\$4,005	\$23,985	\$35,046	\$47,047	\$1,448,750	\$1,965,291	\$2,325,313
Southwestern Electric Power Company	FCA: 2.373196								
total rate	\$1,524	\$2,263	\$3,248	\$20,311	\$30,009	\$40,808	\$1,035,271	\$1,396,192	\$1,666,883

## Average For Louisiana

total rate	\$1,611	\$2,478	\$3,507	\$20,202	\$30,375	\$41,892	\$1,196,784	\$1,591,271	\$1,837,269
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## Oklahoma

Empire District Electric Company	FCA: 1.8397								
total rate	\$1,625	\$2,619	\$3,888	\$19,304	\$32,087	\$47,946	\$1,045,324	\$1,582,994	\$1,986,247
OG&E Electric Services	FCA: 2.1815								
total rate	\$1,431	\$1,993	\$2,742	\$13,967	\$20,078	\$27,717	\$790,505	\$1,079,708	\$1,296,610
Public Service Company of Oklahoma	FCA: 1.404								
total rate	\$1,330	\$1,975	\$2,815	\$13,879	\$19,549	\$26,636	\$642,295	\$851,778	\$1,008,890
total rate	\$1,331	\$1,976	\$2,817	\$13,886	\$19,561	\$26,656	\$642,295	\$851,778	\$1,008,890

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Industrial Rates in effect July 1, 2020

General Service								Fuel Clause Adjustment (FCA) in cents:	
Demand in kW:	75	75	75	1000	1000	1000	50,000	50,000	50,000
Consumption in kWh:	15,000	30,000	50,000	200,000	400,000	650,000	15,000,000	25,000,000	32,500,000

### Average For Oklahoma

total rate	\$1,429	\$2,141	\$3,066	\$15,259	\$22,819	\$32,239	\$780,105	\$1,091,565	\$1,325,159
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### Texas

AEP Texas Central Company (formerly Central Power & Light)

FCA:

transmission	\$237	\$237	\$237	\$3,208	\$3,208	\$3,208	\$114,630	\$114,630	\$114,630
delivery	\$365	\$375	\$387	\$3,278	\$3,458	\$3,684	\$11,938	\$11,938	\$11,938
ctc	\$239	\$239	\$239	\$3,177	\$3,177	\$3,177	\$59,823	\$59,823	\$59,823
total rate	\$841	\$851	\$864	\$9,662	\$9,843	\$10,069	\$186,391	\$186,391	\$186,391

AEP Texas North Company (formerly West Texas Utilities)

FCA:

transmission	\$237	\$237	\$237	\$3,208	\$3,208	\$3,208	\$82,989	\$82,989	\$82,989
delivery	\$292	\$304	\$320	\$2,422	\$2,441	\$2,464	\$9,855	\$9,855	\$9,855
total rate	\$529	\$541	\$558	\$5,630	\$5,648	\$5,671	\$92,845	\$92,845	\$92,845

El Paso Electric Company

FCA:

0.7804

total rate	\$2,191	\$3,007	\$3,887	\$29,998	\$37,001	\$45,754	\$1,486,848	\$1,856,044	\$2,132,941
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Entergy Texas

FCA:

2.21403

total rate	\$1,436	\$2,242	\$3,316	\$17,517	\$27,677	\$36,218	\$835,998	\$1,106,071	\$1,303,329
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Southwestern Electric Power Company

FCA:

3.21389

total rate	\$1,542	\$2,282	\$3,269	\$20,558	\$30,429	\$42,768	\$1,042,080	\$1,467,596	\$1,786,733
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Southwestern Public Service

FCA:

1.6537

total rate	\$1,327	\$1,606	\$1,978	\$16,971	\$20,691	\$25,340	\$814,619	\$971,654	\$1,089,430
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Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Industrial Rates in effect July 1, 2020

General Service								Fuel Clause Adjustment (FCA) in cents:	
Demand in kW:	75	75	75	1000	1000	1000	50,000	50,000	50,000
Consumption in kWh:	15,000	30,000	50,000	200,000	400,000	650,000	15,000,000	25,000,000	32,500,000
<b>Average For Texas</b>									
transmission	\$237	\$237	\$237	\$3,208	\$3,208	\$3,208	\$98,810	\$98,810	\$98,810
delivery	\$328	\$339	\$354	\$2,850	\$2,950	\$3,074	\$10,897	\$10,897	\$10,897
ctc	\$239	\$239	\$239	\$3,177	\$3,177	\$3,177	\$59,823	\$59,823	\$59,823
total rate	\$1,311	\$1,755	\$2,312	\$16,723	\$21,882	\$27,637	\$743,130	\$946,767	\$1,098,611
<b>Average For West South Central</b>									
transmission	\$237	\$237	\$237	\$3,208	\$3,208	\$3,208	\$98,810	\$98,810	\$98,810
delivery	\$328	\$339	\$354	\$2,850	\$2,950	\$3,074	\$10,897	\$10,897	\$10,897
ctc	\$239	\$239	\$239	\$3,177	\$3,177	\$3,177	\$59,823	\$59,823	\$59,823
total rate	\$1,485	\$2,167	\$3,037	\$18,277	\$26,427	\$35,393	\$987,768	\$1,306,030	\$1,527,138
<b>Mountain</b>									
<b>Arizona</b>									
Arizona Public Service Company								FCA:	-0.0456
generation	\$1,437	\$2,119	\$3,028	\$15,022	\$23,909	\$35,018	\$910,741	\$1,184,098	\$1,389,116
transmission	\$212	\$212	\$212	\$2,830	\$2,830	\$2,830	\$157,950	\$157,950	\$157,950
delivery	\$901	\$1,076	\$1,310	\$10,685	\$11,237	\$11,927	\$74,897	\$102,497	\$123,197
total rate	\$2,550	\$3,407	\$4,550	\$28,537	\$37,977	\$49,776	\$1,143,588	\$1,444,545	\$1,670,262
Tucson Electric Power Company								FCA:	0.001515
total rate	\$2,623	\$4,544	\$7,014	\$32,351	\$43,623	\$57,712	\$1,602,570	\$1,978,554	\$2,260,542
Unisource Electric Company								FCA:	-0.007523
total rate	\$2,149	\$2,903	\$3,909	\$25,413	\$35,441	\$47,976	\$1,448,491	\$1,815,608	\$2,090,946

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Industrial Rates in effect July 1, 2020

General Service								Fuel Clause Adjustment (FCA) in cents:	
Demand in kW:	75	75	75	1000	1000	1000	50,000	50,000	50,000
Consumption in kWh:	15,000	30,000	50,000	200,000	400,000	650,000	15,000,000	25,000,000	32,500,000
<b>Average For Arizona</b>									
generation	\$1,437	\$2,119	\$3,028	\$15,022	\$23,909	\$35,018	\$910,741	\$1,184,098	\$1,389,116
transmission	\$212	\$212	\$212	\$2,830	\$2,830	\$2,830	\$157,950	\$157,950	\$157,950
delivery	\$901	\$1,076	\$1,310	\$10,685	\$11,237	\$11,927	\$74,897	\$102,497	\$123,197
total rate	\$2,441	\$3,618	\$5,158	\$28,767	\$39,013	\$51,821	\$1,398,217	\$1,746,236	\$2,007,250
<b>Colorado</b>									
Black Hills/Colorado Electric								FCA:	3.452
total rate	\$2,666	\$3,315	\$4,182	\$34,432	\$43,093	\$53,920	\$1,848,955	\$2,316,873	\$2,667,811
Public Service Company of Colorado								FCA:	#####
total rate	\$2,278	\$2,803	\$3,502	\$28,418	\$35,272	\$43,839	\$1,268,599	\$1,605,472	\$1,858,126
<b>Average For Colorado</b>									
total rate	\$2,472	\$3,059	\$3,842	\$31,425	\$39,182	\$48,880	\$1,558,777	\$1,961,172	\$2,262,968
<b>Idaho</b>									
Avista Corp.								FCA:	-0.058
total rate	\$1,525	\$2,488	\$3,772	\$18,486	\$29,909	\$43,599	\$964,161	\$1,416,561	\$1,755,861
Idaho Power Company								FCA:	
total rate	\$1,339	\$2,152	\$3,237	\$18,523	\$28,307	\$40,536			
PacifiCorp								FCA:	
total rate	\$1,516	\$2,473	\$3,362	\$22,978	\$31,824	\$42,882	\$1,225,028	\$1,691,766	\$2,041,820

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Industrial Rates in effect July 1, 2020

General Service								Fuel Clause Adjustment (FCA) in cents:	
Demand in kW:	75	75	75	1000	1000	1000	50,000	50,000	50,000
Consumption in kWh:	15,000	30,000	50,000	200,000	400,000	650,000	15,000,000	25,000,000	32,500,000
<b>Average For Idaho</b>									
total rate	\$1,460	\$2,371	\$3,457	\$19,996	\$30,013	\$42,339	\$1,094,595	\$1,554,164	\$1,898,840

## Montana

Black Hills Power, Inc. d/b/a Black Hills Energy

FCA:

total rate \$1,316 \$2,151 \$2,682 \$13,443 \$20,103 \$28,428

Montana-Dakota Utilites Company

FCA: 0.0198

total rate \$1,961 \$2,762 \$3,829 \$26,644 \$35,190 \$48,373 \$1,490,422 \$2,017,736 \$2,413,222

NorthWestern Energy (formerly Montana Power)

FCA:

generation	\$1,060	\$2,120	\$3,533	\$13,494	\$26,988	\$43,856	\$988,920	\$1,648,200	\$2,142,660
transmission	\$212	\$212	\$212	\$2,578	\$2,578	\$2,578	\$111,072	\$111,072	\$111,072
delivery	\$710	\$790	\$895	\$2,036	\$2,216	\$2,441	\$65,837	\$74,837	\$81,587
ctc	\$50	\$100	\$166	\$641	\$1,281	\$2,082	\$47,670	\$79,450	\$103,285
total rate	\$2,032	\$3,222	\$4,806	\$18,749	\$33,063	\$50,957	\$1,213,499	\$1,913,559	\$2,438,604

### Average For Montana

generation	\$1,060	\$2,120	\$3,533	\$13,494	\$26,988	\$43,856	\$988,920	\$1,648,200	\$2,142,660
transmission	\$212	\$212	\$212	\$2,578	\$2,578	\$2,578	\$111,072	\$111,072	\$111,072
delivery	\$710	\$790	\$895	\$2,036	\$2,216	\$2,441	\$65,837	\$74,837	\$81,587
ctc	\$50	\$100	\$166	\$641	\$1,281	\$2,082	\$47,670	\$79,450	\$103,285
total rate	\$1,770	\$2,712	\$3,772	\$19,612	\$29,452	\$42,586	\$1,351,961	\$1,965,648	\$2,425,913

## Nevada

Nevada Power Company - NV Energy

FCA: -0.00269

total rate \$1,497 \$2,330 \$3,441 \$32,754 \$43,036 \$55,887 \$1,884,815 \$2,398,890 \$2,784,446



Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Industrial Rates in effect July 1, 2020

General Service								Fuel Clause Adjustment (FCA) in cents:	
Demand in kW:	75	75	75	1000	1000	1000	50,000	50,000	50,000
Consumption in kWh:	15,000	30,000	50,000	200,000	400,000	650,000	15,000,000	25,000,000	32,500,000
Sierra Pacific Power Company - NV Energy								FCA:	
total rate	\$1,382	\$2,108	\$3,076	\$29,906	\$41,938	\$56,978	\$1,767,992	\$2,369,605	\$2,820,815
<b>Average For Nevada</b>									
total rate	\$1,440	\$2,219	\$3,259	\$31,330	\$42,487	\$56,433	\$1,826,404	\$2,384,248	\$2,802,631

### New Mexico

El Paso Electric Company								FCA: 2.9921	
total rate	\$2,343	\$3,234	\$4,422	\$35,569	\$47,826	\$63,147	\$1,920,120	\$2,518,416	\$2,967,138
Southwestern Public Service								FCA: 1.8804	
total rate	\$1,846	\$2,216	\$2,709	\$24,152	\$29,088	\$35,257	\$971,328	\$1,197,478	\$1,367,090

### Average For New Mexico

total rate	\$2,094	\$2,725	\$3,566	\$29,860	\$38,457	\$49,202	\$1,445,724	\$1,857,947	\$2,167,114
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### Utah

PacifiCorp								FCA:	
total rate	\$2,067	\$2,647	\$3,420	\$28,010	\$36,275	\$46,606	\$1,376,076	\$1,740,669	\$2,014,113

### Average For Utah

total rate	\$2,067	\$2,647	\$3,420	\$28,010	\$36,275	\$46,606	\$1,376,076	\$1,740,669	\$2,014,113
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Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Industrial Rates in effect July 1, 2020

General Service								Fuel Clause Adjustment (FCA) in cents:	
Demand in kW:	75	75	75	1000	1000	1000	50,000	50,000	50,000
Consumption in kWh:	15,000	30,000	50,000	200,000	400,000	650,000	15,000,000	25,000,000	32,500,000

### Wyoming

Black Hills Power, Inc. d/b/a Black Hills Energy								FCA:	0.07
total rate	\$1,969	\$3,381	\$5,391	\$27,980	\$41,500	\$58,400	\$1,440,911	\$2,021,911	\$2,422,691
Cheyenne Light, Fuel & Power d/b/a Black Hills Energy								FCA:	0.563
total rate	\$2,647	\$3,457	\$4,537	\$32,389	\$43,193	\$56,698	\$1,693,350	\$2,257,650	\$2,560,125
Montana-Dakota Utilities Company								FCA:	0.03482
total rate	\$1,538	\$2,132	\$2,924	\$19,686	\$27,606	\$37,506	\$1,179,066	\$1,575,066	\$1,872,066
PacifiCorp								FCA:	
total rate	\$1,872	\$2,392	\$3,086	\$27,358	\$33,349	\$40,838	\$1,324,200	\$1,624,081	\$1,848,991

### Average For Wyoming

total rate	\$2,007	\$2,840	\$3,985	\$26,853	\$36,412	\$48,360	\$1,409,382	\$1,869,677	\$2,175,968
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### Average For Mountain

generation	\$1,248	\$2,119	\$3,280	\$14,258	\$25,449	\$39,437	\$949,831	\$1,416,149	\$1,765,888
transmission	\$212	\$212	\$212	\$2,704	\$2,704	\$2,704	\$134,511	\$134,511	\$134,511
delivery	\$805	\$933	\$1,103	\$6,361	\$6,727	\$7,184	\$70,367	\$88,667	\$102,392
ctc	\$50	\$100	\$166	\$641	\$1,281	\$2,082	\$47,670	\$79,450	\$103,285
total rate	\$1,956	\$2,806	\$3,893	\$26,289	\$35,881	\$47,966	\$1,431,287	\$1,883,580	\$2,214,148

### Pacific

#### California

Pacific Gas & Electric Company								FCA:	
total rate	\$4,580	\$7,371	\$11,092	\$71,522	\$94,134	\$122,399	\$3,010,011	\$3,943,397	\$4,643,437

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Industrial Rates in effect July 1, 2020

General Service								Fuel Clause Adjustment (FCA) in cents:	
Demand in kW:	75	75	75	1000	1000	1000	50,000	50,000	50,000
Consumption in kWh:	15,000	30,000	50,000	200,000	400,000	650,000	15,000,000	25,000,000	32,500,000
PacifiCorp								FCA:	
generation	\$1,006	\$1,888	\$3,063	\$14,359	\$25,397	\$39,195	\$993,888	\$1,545,813	\$1,959,756
transmission	\$128	\$128	\$128	\$1,710	\$1,710	\$1,710	\$85,500	\$85,500	\$85,500
delivery	\$707	\$1,281	\$2,047	\$3,403	\$5,102	\$7,225	\$189,485	\$274,427	\$338,133
ctc	\$80	\$80	\$80	\$1,930	\$1,930	\$1,930	\$96,500	\$96,500	\$96,500
total rate	\$2,132	\$3,798	\$6,019	\$23,762	\$38,860	\$57,732	\$1,542,407	\$2,297,297	\$2,863,464
Southern California Edison								FCA:	
generation	\$2,334	\$3,285	\$4,552	\$31,944	\$42,793	\$56,353	\$1,779,631	\$2,321,304	\$2,727,559
transmission	\$310	\$362	\$430	\$4,646	\$5,332	\$6,190	\$249,450	\$283,750	\$309,475
delivery	\$1,264	\$1,283	\$1,308	\$16,875	\$17,107	\$17,397	\$839,388	\$850,988	\$859,688
total rate	\$4,282	\$5,676	\$7,535	\$58,409	\$75,120	\$96,008	\$3,239,269	\$4,074,042	\$4,700,122
<b>Average For California</b>									
generation	\$1,670	\$2,586	\$3,808	\$23,151	\$34,095	\$47,774	\$1,386,759	\$1,933,558	\$2,343,657
transmission	\$219	\$245	\$279	\$3,178	\$3,521	\$3,950	\$167,475	\$184,625	\$197,488
delivery	\$986	\$1,282	\$1,678	\$10,139	\$11,104	\$12,311	\$514,437	\$562,708	\$598,911
ctc	\$80	\$80	\$80	\$1,930	\$1,930	\$1,930	\$96,500	\$96,500	\$96,500
total rate	\$3,664	\$5,615	\$8,215	\$51,231	\$69,371	\$92,046	\$2,597,229	\$3,438,246	\$4,069,008

### Oregon

Idaho Power Company								FCA:	
total rate	\$1,488	\$2,437	\$3,703	\$19,594	\$30,584	\$44,323			
PacifiCorp								FCA:	
generation	\$965	\$1,889	\$3,109	\$12,324	\$22,328	\$34,833	\$839,231	\$1,315,385	\$1,672,501
transmission	\$112	\$112	\$112	\$1,940	\$1,940	\$1,940	\$115,000	\$115,000	\$115,000
delivery	\$543	\$674	\$849	\$5,398	\$5,121	\$5,863	\$223,677	\$194,932	\$173,373
total rate	\$1,620	\$2,675	\$4,070	\$19,662	\$29,389	\$42,636	\$1,177,908	\$1,625,317	\$1,960,873

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Industrial Rates in effect July 1, 2020

General Service								Fuel Clause Adjustment (FCA) in cents:	
Demand in kW:	75	75	75	1000	1000	1000	50,000	50,000	50,000
Consumption in kWh:	15,000	30,000	50,000	200,000	400,000	650,000	15,000,000	25,000,000	32,500,000
Portland General Electric Company								FCA:	0.144
generation	\$884	\$1,767	\$2,945	\$11,210	\$22,420	\$36,433	\$761,100	\$1,268,500	\$1,649,050
transmission	\$59	\$59	\$59	\$760	\$760	\$760	\$37,500	\$37,500	\$37,500
delivery	\$699	\$882	\$1,126	\$6,429	\$7,540	\$8,930	\$189,989	\$227,871	\$256,283
ctc	\$24	\$48	\$80	\$302	\$604	\$982	\$20,550	\$34,250	\$44,525
total rate	\$1,665	\$2,755	\$4,227	\$18,701	\$31,324	\$47,295	\$1,013,322	\$1,574,612	\$1,995,580

### Average For Oregon

generation	\$924	\$1,828	\$3,027	\$11,767	\$22,374	\$35,633	\$800,166	\$1,291,943	\$1,660,775
transmission	\$85	\$85	\$85	\$1,350	\$1,350	\$1,350	\$76,250	\$76,250	\$76,250
delivery	\$621	\$778	\$988	\$5,913	\$6,331	\$7,396	\$206,833	\$211,401	\$214,828
ctc	\$24	\$48	\$80	\$302	\$604	\$982	\$20,550	\$34,250	\$44,525
total rate	\$1,591	\$2,623	\$4,000	\$19,319	\$30,433	\$44,751	\$1,095,615	\$1,599,964	\$1,978,226

### Washington

Avista Corp.								FCA:	-0.427
total rate	\$1,898	\$3,071	\$4,635	\$22,838	\$37,287	\$54,852	\$1,126,232	\$1,521,632	\$1,818,182
PacifiCorp								FCA:	
total rate	\$1,363	\$2,296	\$3,541	\$20,007	\$29,719	\$41,859	\$1,134,657	\$1,616,357	\$1,977,632
Puget Sound Energy								FCA:	
total rate	\$1,512	\$2,632	\$4,005	\$20,689	\$32,049	\$47,522	\$1,146,906	\$1,696,606	\$2,108,881

### Average For Washington

total rate	\$1,591	\$2,666	\$4,060	\$21,178	\$33,018	\$48,077	\$1,135,932	\$1,611,532	\$1,968,232
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Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Industrial Rates in effect July 1, 2020

General Service								Fuel Clause Adjustment (FCA) in cents:	
Demand in kW:	75	75	75	1000	1000	1000	50,000	50,000	50,000
Consumption in kWh:	15,000	30,000	50,000	200,000	400,000	650,000	15,000,000	25,000,000	32,500,000

### Average For Pacific

generation	\$1,297	\$2,207	\$3,417	\$17,459	\$28,234	\$41,704	\$1,093,462	\$1,612,750	\$2,002,216
transmission	\$152	\$165	\$182	\$2,264	\$2,436	\$2,650	\$121,863	\$130,438	\$136,869
delivery	\$803	\$1,030	\$1,333	\$8,026	\$8,717	\$9,854	\$360,635	\$387,055	\$406,869
ctc	\$52	\$64	\$80	\$1,116	\$1,267	\$1,456	\$58,525	\$65,375	\$70,513
total rate	\$2,282	\$3,635	\$5,425	\$30,576	\$44,274	\$61,625	\$1,673,839	\$2,293,657	\$2,758,521

### Hawaii

#### Hawaii

Hawaii Electric Light Company								FCA:	11.359
total rate	\$4,635	\$8,151	\$12,839	\$66,246	\$104,990	\$153,421	\$4,237,243	\$6,174,477	\$7,627,403
Hawaiian Electric Company								FCA:	10.128
total rate	\$3,950	\$6,803	\$10,608	\$59,920	\$92,553	\$133,344	\$3,773,262	\$5,404,912	\$6,628,650
Maui Electric Company (Lanai)								FCA:	16.335
total rate	\$5,691	\$10,301	\$16,448	\$83,328	\$140,943	\$212,963	\$5,571,882	\$8,452,662	\$10,613,247
Maui Electric Company (Maui)								FCA:	14.702
total rate	\$4,793	\$8,505	\$13,455	\$70,503	\$115,243	\$171,169	\$4,606,307	\$6,843,337	\$8,521,110
Maui Electric Company (Molokai)								FCA:	10.471
total rate	\$4,711	\$8,370	\$13,248	\$54,465	\$90,083	\$134,606	\$3,578,816	\$5,359,718	\$6,695,395

### Average For Hawaii

total rate	\$4,756	\$8,426	\$13,320	\$66,892	\$108,763	\$161,101	\$4,353,502	\$6,447,021	\$8,017,161
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Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Industrial Rates in effect July 1, 2020

General Service								Fuel Clause Adjustment (FCA) in cents:	
Demand in kW:	75	75	75	1000	1000	1000	50,000	50,000	50,000
Consumption in kWh:	15,000	30,000	50,000	200,000	400,000	650,000	15,000,000	25,000,000	32,500,000

### Average For Hawaii

total rate	\$4,756	\$8,426	\$13,320	\$66,892	\$108,763	\$161,101	\$4,353,502	\$6,447,021	\$8,017,161
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### Average For USA

generation	\$1,008	\$1,878	\$2,997	\$13,433	\$24,052	\$37,059	\$908,964	\$1,399,496	\$1,782,272
transmission	\$356	\$421	\$508	\$5,202	\$5,774	\$6,450	\$264,656	\$291,336	\$311,504
delivery	\$859	\$1,086	\$1,350	\$8,811	\$10,776	\$13,263	\$358,414	\$447,602	\$517,641
ctc	\$45	\$71	\$106	\$555	\$853	\$1,226	\$28,889	\$42,539	\$52,778
total rate	\$2,034	\$3,120	\$4,468	\$25,832	\$37,846	\$52,063	\$1,460,134	\$1,998,346	\$2,397,232

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Annualized Rates in effect July 1, 2020

The data below is presented in this format for each company:									
Class of Service:	res	res	res	com	com	com	ind	ind	ind
Demand (kW):					40	500	75	1,000	50,000
low load factor(kWh):	500	750	1,000	375	10,000	150,000	15,000	200,000	15,000,000
mid load factor:				1,500	14,000	180,000	30,000	400,000	25,000,000
high load factor:							50,000	650,000	32,500,000

## New England

### Connecticut

#### Connecticut Light & Power Company

\$122.68	\$179.20	\$235.73	\$86	\$2,099	\$25,056	\$3,176	\$39,533	\$2,459,870
			\$210	\$2,542	\$28,390	\$4,731	\$60,721	\$3,519,285
						\$6,804	\$87,207	\$4,313,846

#### United Illuminating Company

\$131.90	\$191.43	\$250.96	\$94	\$1,990	\$27,512	\$3,183	\$45,166	\$2,760,865
			\$284	\$2,496	\$31,398	\$5,172	\$65,946	\$3,799,835
						\$7,187	\$91,920	\$4,579,063

#### Average for:

#### Connecticut

\$127.29	\$185.32	\$243.35	\$90	\$2,045	\$26,284	\$3,180	\$42,350	\$2,610,368
			\$247	\$2,519	\$29,894	\$4,952	\$63,334	\$3,659,560
						\$6,996	\$89,564	\$4,446,455

### Maine

#### Emera Maine - Bangor Hydro District

\$87.28	\$130.92	\$174.57	\$74	\$1,733	\$15,410	\$2,912	\$25,643	\$1,536,289
			\$247	\$2,049	\$16,949	\$4,097	\$35,902	\$2,049,233
						\$5,676	\$48,726	\$2,433,940

#### Emera Maine - Maine Public District

\$76.20	\$114.30	\$152.40	\$67	\$1,381	\$19,682	\$2,367	\$27,387	
			\$221	\$1,927	\$22,489	\$3,521	\$44,738	
						\$5,060	\$66,426	

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Annualized Rates in effect July 1, 2020

The data below is presented in this format for each company:

Class of Service:	res	res	res	com	com	com	ind	ind	ind
Demand (kW):					40	500	75	1,000	50,000
low load factor(kWh):	500	750	1,000	375	10,000	150,000	15,000	200,000	15,000,000
mid load factor:				1,500	14,000	180,000	30,000	400,000	25,000,000
high load factor:							50,000	650,000	32,500,000

#### Average for:

#### Maine

\$81.74	\$122.61	\$163.49	\$70	\$1,557	\$17,546	\$2,640	\$26,515	\$1,536,289
			\$234	\$1,988	\$19,719	\$3,809	\$40,320	\$2,049,233
						\$5,368	\$57,576	\$2,433,940

#### Massachusetts

##### Boston Edison Company

\$113.86	\$167.29	\$220.70	\$86	\$2,139	\$25,874	\$3,717	\$41,183	\$2,562,667
			\$319	\$2,659	\$28,969	\$5,667	\$61,813	\$3,594,167
						\$8,266	\$87,601	\$4,367,792

##### Cambridge Electric Company

\$113.86	\$167.29	\$220.70	\$72	\$1,868	\$26,226	\$3,044	\$41,100	\$2,619,742
			\$272	\$2,382	\$29,622	\$4,972	\$63,740	\$3,751,742
						\$7,542	\$92,040	\$4,600,742

##### Commonwealth Electric Company

\$113.86	\$167.29	\$220.70	\$76	\$1,774	\$21,981	\$2,726	\$31,279	\$2,037,519
			\$285	\$2,389	\$25,168	\$5,033	\$51,948	\$3,070,973
						\$8,109	\$77,784	\$3,846,063

##### Fitchburg Gas & Electric Light Company

\$129.78	\$191.16	\$252.55	\$92	\$1,933			\$32,109	\$2,161,558
			\$299	\$2,555			\$54,941	\$3,303,181
							\$83,482	\$4,159,398

##### National Grid (Massachusetts Electric Company)

\$121.41	\$178.60	\$235.80	\$79	\$1,807	\$22,321	\$2,783	\$32,006	\$2,210,262
			\$286	\$2,348	\$26,046	\$4,792	\$56,837	\$3,451,822
						\$7,470	\$87,876	\$4,382,992



Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Annualized Rates in effect July 1, 2020

The data below is presented in this format for each company:

Class of Service:	res	res	res	com	com	com	ind	ind	ind
Demand (kW):					40	500	75	1,000	50,000
low load factor(kWh):	500	750	1,000	375	10,000	150,000	15,000	200,000	15,000,000
mid load factor:				1,500	14,000	180,000	30,000	400,000	25,000,000
high load factor:							50,000	650,000	32,500,000

#### Average for:

#### Massachusetts

\$118.55	\$174.33	\$230.09	\$81	\$1,904	\$24,101	\$3,068	\$35,536	\$2,318,350
			\$292	\$2,467	\$27,451	\$5,116	\$57,856	\$3,434,377
						\$7,847	\$85,757	\$4,271,397

#### New Hampshire

Public Service Company of New Hampshire d/b/a Eversource Energy

\$97.89	\$134.99	\$177.03	\$89	\$1,744	\$22,259	\$2,851	\$34,268	\$2,213,950
			\$239	\$2,181	\$25,267	\$4,490	\$54,117	\$3,188,740
						\$6,675	\$78,922	\$3,919,832

Unitil Energy Systems, Inc.

\$85.58	\$120.26	\$154.93	\$79	\$1,370			\$26,332	\$1,740,256
			\$230	\$1,738			\$43,596	\$2,603,456
							\$65,176	\$3,250,856

#### Average for:

#### New Hampshire

\$91.74	\$127.63	\$165.98	\$84	\$1,557	\$22,259	\$2,851	\$30,300	\$1,977,103
			\$235	\$1,960	\$25,267	\$4,490	\$48,856	\$2,896,098
						\$6,675	\$72,049	\$3,585,344

#### Rhode Island

Narragansett Electric Company

\$110.51	\$161.22	\$211.94	\$87	\$1,858	\$23,081	\$2,871	\$34,274	\$2,293,418
			\$304	\$2,360	\$26,614	\$4,733	\$57,832	\$3,471,312
						\$7,216	\$87,280	\$4,354,732

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Annualized Rates in effect July 1, 2020

The data below is presented in this format for each company:

Class of Service:	res	res	res	com	com	com	ind	ind	ind
Demand (kW):					40	500	75	1,000	50,000
low load factor(kWh):	500	750	1,000	375	10,000	150,000	15,000	200,000	15,000,000
mid load factor:				1,500	14,000	180,000	30,000	400,000	25,000,000
high load factor:							50,000	650,000	32,500,000

#### Average for:

#### Rhode Island

\$110.51	\$161.22	\$211.94	\$87	\$1,858	\$23,081	\$2,871	\$34,274	\$2,293,418
			\$304	\$2,360	\$26,614	\$4,733	\$57,832	\$3,471,312
						\$7,216	\$87,280	\$4,354,732

#### Vermont

##### Green Mountain Power (CVPS Zone)

\$99.06	\$141.20	\$183.35	\$85	\$1,742	\$23,387	\$3,149	\$37,467	\$1,906,913
			\$285	\$2,375	\$26,134	\$4,615	\$55,781	\$2,661,113
						\$6,569	\$78,673	\$3,226,762

##### Green Mountain Power Corporation (GMP Zone)

\$99.60	\$141.20	\$183.35	\$82	\$1,789	\$23,405	\$2,890	\$37,064	\$2,328,694
			\$272	\$2,174	\$26,293	\$4,334	\$59,317	\$3,291,344
						\$6,259	\$80,383	\$2,013,331

#### Average for:

#### Vermont

\$99.33	\$141.20	\$183.35	\$84	\$1,766	\$23,396	\$3,020	\$37,266	\$2,117,804
			\$279	\$2,275	\$26,214	\$4,475	\$57,549	\$2,976,229
						\$6,414	\$79,528	\$2,620,047

#### Average for:

#### New England

\$107.39	\$156.17	\$205.34	\$82	\$1,802	\$23,016	\$2,972	\$34,629	\$2,217,846
			\$268	\$2,298	\$26,112	\$4,680	\$54,802	\$3,212,016
						\$6,903	\$79,535	\$3,803,796

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Annualized Rates in effect July 1, 2020

The data below is presented in this format for each company:									
Class of Service:	res	res	res	com	com	com	ind	ind	ind
Demand (kW):					40	500	75	1,000	50,000
low load factor(kWh):	500	750	1,000	375	10,000	150,000	15,000	200,000	15,000,000
mid load factor:				1,500	14,000	180,000	30,000	400,000	25,000,000
high load factor:							50,000	650,000	32,500,000

## Mid-Atlantic

### New Jersey

#### Jersey Central Power & Light Company

\$61.97	\$94.17	\$128.06	\$58	\$1,216	\$17,758	\$1,916		
			\$199	\$1,610	\$20,716	\$3,402		
						\$5,375		

#### Public Service Electric & Gas Company

\$88.60	\$131.22	\$174.27	\$94	\$1,527	\$22,571	\$2,608	\$38,166	\$1,942,594
			\$169	\$1,795	\$23,790	\$3,612	\$46,143	\$2,335,590
						\$4,952	\$56,115	\$2,630,338

#### Rockland Electric Company

\$74.00	\$112.00	\$153.00	\$57	\$1,430	\$20,319	\$2,330	\$30,897	\$1,618,751
			\$188	\$1,810	\$23,169	\$3,755	\$47,276	\$2,193,480
						\$5,655	\$67,358	\$2,624,527

#### Average for:

#### New Jersey

\$74.86	\$112.46	\$151.78	\$70	\$1,391	\$20,216	\$2,285	\$34,532	\$1,780,673
			\$185	\$1,738	\$22,558	\$3,590	\$46,710	\$2,264,535
						\$5,327	\$61,737	\$2,627,433

### New York

#### Central Hudson Gas & Electric Corporation

\$87.41	\$120.89	\$154.36	\$67	\$1,111	\$13,544	\$1,951	\$23,968	\$1,008,576
			\$176	\$1,332	\$14,871	\$2,815	\$30,951	\$1,355,840
						\$3,967	\$39,678	\$1,616,287

#### Consolidated Edison Company of New York

\$130.54	\$187.56	\$244.60	\$108	\$2,123	\$28,177	\$3,048	\$40,142	\$2,235,843
			\$347	\$2,479	\$30,845	\$4,359	\$57,622	\$2,899,634
						\$6,107	\$79,471	\$3,397,478

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Annualized Rates in effect July 1, 2020

The data below is presented in this format for each company:									
Class of Service:	res	res	res	com	com	com	ind	ind	ind
Demand (kW):					40	500	75	1,000	50,000
low load factor(kWh):	500	750	1,000	375	10,000	150,000	15,000	200,000	15,000,000
mid load factor:				1,500	14,000	180,000	30,000	400,000	25,000,000
high load factor:							50,000	650,000	32,500,000

#### LIPA

\$108.48	\$157.31	\$206.21	\$92	\$1,991	\$26,837
			\$328	\$2,491	\$30,697

#### National Grid (Niagara Mohawk Power Corporation)

\$76.07	\$105.33	\$134.58	\$65	\$994	\$12,138	\$1,649	\$20,509	\$747,612
			\$195	\$1,174	\$13,136	\$2,324	\$27,161	\$1,025,432
						\$3,225	\$35,477	\$1,233,798

#### New York State Electric & Gas Corporation

\$68.95	\$95.29	\$121.64	\$54	\$934	\$12,684	\$1,327	\$17,867	\$792,258
			\$162	\$1,141	\$14,239	\$2,092	\$26,968	\$1,235,392
						\$3,037	\$38,828	\$1,592,767

#### Orange & Rockland Utilities, Inc.

\$103.00	\$145.00	\$187.00	\$77	\$1,553	\$18,800	\$2,552	\$30,169	\$1,538,191
			\$199	\$1,948	\$20,985	\$4,038	\$44,740	\$2,138,905
						\$6,064	\$62,953	\$2,589,440

#### Rochester Gas & Electric Corporation

\$69.35	\$92.74	\$116.14	\$53	\$1,326	\$15,127	\$2,066	\$23,387	\$1,097,805
			\$145	\$1,560	\$16,361	\$3,065	\$31,198	\$1,478,263
						\$4,234	\$40,962	\$1,763,606

#### Average for:

#### New York

\$91.97	\$129.16	\$166.36	\$74	\$1,433	\$18,187	\$2,099	\$26,007	\$1,236,714
			\$222	\$1,732	\$20,162	\$3,116	\$36,440	\$1,688,911
						\$4,439	\$49,561	\$2,032,229

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Annualized Rates in effect July 1, 2020

The data below is presented in this format for each company:									
Class of Service:	res	res	res	com	com	com	ind	ind	ind
Demand (kW):					40	500	75	1,000	50,000
low load factor(kWh):	500	750	1,000	375	10,000	150,000	15,000	200,000	15,000,000
mid load factor:				1,500	14,000	180,000	30,000	400,000	25,000,000
high load factor:							50,000	650,000	32,500,000

### Pennsylvania

#### Duquesne Light Company

\$84.66	\$120.56	\$156.46	\$64	\$960	\$14,525	\$1,548	\$24,657	\$963,427
			\$219	\$1,196	\$15,871	\$2,434	\$33,634	\$1,412,286
						\$3,616	\$44,855	\$1,748,930

#### Metropolitan Edison Company

\$63.45	\$90.18	\$116.90	\$56	\$756	\$11,081	\$1,991	\$15,481	\$877,040
			\$158	\$963	\$12,783	\$2,822	\$26,555	\$1,408,899
						\$3,929	\$40,396	\$1,807,793

#### PECO Energy

\$76.33	\$109.44	\$142.55	\$57	\$991	\$11,374	\$1,716	\$15,829	\$951,598
			\$186	\$1,227	\$12,655	\$2,537	\$22,929	\$1,306,598
						\$3,609	\$31,804	\$1,572,848

#### Pennsylvania Electric Company

\$74.21	\$106.09	\$137.96	\$52	\$815	\$15,169	\$2,396	\$20,226	\$1,258,791
			\$150	\$1,028	\$17,382	\$3,486	\$34,759	\$1,992,137
						\$4,939	\$52,926	\$2,542,147

#### Pennsylvania Power Company

\$68.26	\$97.89	\$127.53	\$63	\$826	\$14,167	\$1,598	\$19,972	\$952,467
			\$178	\$1,091	\$16,536	\$2,717	\$34,890	\$1,545,625
						\$4,209	\$53,536	\$1,990,493

#### PPL Utilities Corp.

\$71.99	\$99.87	\$127.75	\$51	\$820	\$11,107	\$1,252	\$24,412	\$1,092,583
			\$120	\$1,068	\$12,971	\$2,183	\$29,922	\$1,368,083
						\$3,425	\$36,810	\$1,574,708

#### West Penn Power Company

\$54.21	\$77.71	\$101.20	\$45	\$769	\$9,412	\$1,217	\$14,320	\$746,610
			\$151	\$1,024	\$10,717	\$1,869	\$23,020	\$1,170,610
						\$2,739	\$33,895	\$1,488,610

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Annualized Rates in effect July 1, 2020

The data below is presented in this format for each company:									
Class of Service:	res	res	res	com	com	com	ind	ind	ind
Demand (kW):					40	500	75	1,000	50,000
low load factor(kWh):	500	750	1,000	375	10,000	150,000	15,000	200,000	15,000,000
mid load factor:				1,500	14,000	180,000	30,000	400,000	25,000,000
high load factor:							50,000	650,000	32,500,000

#### Average for:

#### Pennsylvania

\$70.44	\$100.25	\$130.05	\$55	\$848	\$12,405	\$1,674	\$19,271	\$977,502
			\$166	\$1,085	\$14,131	\$2,578	\$29,387	\$1,457,748
						\$3,781	\$42,032	\$1,817,933

#### Average for:

#### Mid-Atlantic

\$80.09	\$114.31	\$148.84	\$65	\$1,185	\$16,164	\$1,948	\$24,000	\$1,188,276
			\$192	\$1,467	\$18,101	\$2,969	\$34,518	\$1,657,785
						\$4,318	\$47,671	\$2,011,585

#### East North Central

#### Illinois

##### Ameren Illinois (All Rate Zones)

\$57.71	\$79.64	\$99.44	\$69	\$1,044	\$6,872	\$1,454	\$9,811	\$415,609
			\$170	\$1,372	\$7,050	\$2,683	\$10,946	\$472,377
						\$4,321	\$12,366	\$514,953

##### Commonwealth Edison Company

\$66.45	\$101.95	\$130.33	\$56	\$1,104		\$1,761		
			\$164	\$1,410		\$2,909		
						\$4,440		

##### MidAmerican Energy

\$53.44	\$75.42	\$97.39	\$54	\$732	\$10,851	\$1,995	\$17,724	\$798,503
			\$141	\$989	\$12,504	\$2,627	\$25,964	\$1,197,014
						\$3,412	\$36,264	\$1,495,898

##### MidAmerican Energy Company (Delivery Service)

\$21.76	\$27.91	\$34.06	\$32	\$214	\$2,886	\$474	\$5,791	\$248,043
			\$54	\$265	\$2,855	\$458	\$5,489	\$232,943
						\$438	\$5,112	\$221,618

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Annualized Rates in effect July 1, 2020

The data below is presented in this format for each company:									
Class of Service:	res	res	res	com	com	com	ind	ind	ind
Demand (kW):					40	500	75	1,000	50,000
low load factor(kWh):	500	750	1,000	375	10,000	150,000	15,000	200,000	15,000,000
mid load factor:				1,500	14,000	180,000	30,000	400,000	25,000,000
high load factor:							50,000	650,000	32,500,000

#### Average for:

#### Illinois

\$49.84	\$71.23	\$90.31	\$53	\$774	\$6,870	\$1,421	\$11,109	\$487,385
			\$132	\$1,009	\$7,470	\$2,169	\$14,133	\$634,112
						\$3,153	\$17,914	\$744,156

#### Indiana

##### AEP (Indiana Michigan Power)

\$80.71	\$113.58	\$145.76	\$72	\$1,431	\$17,786	\$2,181	\$32,358	\$1,663,315
			\$233	\$1,856	\$19,908	\$3,773	\$42,757	\$2,136,920
						\$5,897	\$48,809	\$2,214,485

##### Duke Energy Indiana

\$67.03	\$90.49	\$113.93	\$57	\$968	\$13,953	\$1,467	\$18,686	\$1,240,536
			\$169	\$1,326	\$16,471	\$2,553	\$33,169	\$1,858,923
						\$3,560	\$46,046	\$2,098,001

##### Indianapolis Power & Light Company

\$68.19	\$89.88	\$111.55	\$78	\$990	\$15,820	\$2,226	\$28,194	\$1,645,985
			\$191	\$1,335	\$16,818	\$2,725	\$36,371	\$1,968,885
						\$3,390	\$44,509	\$2,211,060

##### Northern Indiana Public Service Company

\$75.30	\$105.93	\$136.58	\$79	\$1,471	\$17,827	\$2,306	\$27,327	\$1,189,065
			\$242	\$1,833	\$20,050	\$3,663	\$42,148	\$1,752,880
						\$5,308	\$60,674	\$2,156,775

##### Southern Indiana Gas & Electric Company

\$85.39	\$121.06	\$156.75	\$65	\$1,258	\$13,891	\$2,010	\$21,849	\$1,374,456
			\$208	\$1,664	\$15,626	\$3,536	\$33,415	\$1,952,736
						\$5,120	\$47,872	\$2,386,446

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Annualized Rates in effect July 1, 2020

The data below is presented in this format for each company:

Class of Service:	res	res	res	com	com	com	ind	ind	ind
Demand (kW):					40	500	75	1,000	50,000
low load factor(kWh):	500	750	1,000	375	10,000	150,000	15,000	200,000	15,000,000
mid load factor:				1,500	14,000	180,000	30,000	400,000	25,000,000
high load factor:							50,000	650,000	32,500,000

#### Average for:

#### Indiana

\$75.32	\$104.19	\$132.91	\$70	\$1,224	\$15,855	\$2,038	\$25,683	\$1,422,672
			\$209	\$1,603	\$17,775	\$3,250	\$37,572	\$1,934,069
						\$4,655	\$49,582	\$2,213,353

#### Michigan

AEP (Indiana Michigan Power combined MI rate areas)

\$84.00	\$120.42	\$156.82	\$62	\$1,424	\$19,962	\$2,317	\$35,106	\$1,563,233
			\$196	\$1,790	\$22,103	\$3,690	\$42,687	\$1,894,891
						\$5,522	\$49,909	\$2,098,771

Consumers Energy

\$81.58	\$119.70	\$158.84	\$76	\$1,584	\$19,038	\$2,098	\$24,977	\$1,431,782
			\$231	\$1,871	\$22,602	\$3,880	\$35,375	\$1,628,252
						\$4,001	\$41,708	\$1,775,604

DTE Electric Company

\$86.30	\$129.98	\$173.87	\$59	\$1,246	\$13,884	\$1,841	\$23,830	\$1,308,482
			\$201	\$1,722	\$14,809	\$3,338	\$34,440	\$1,611,302
						\$3,925	\$42,225	\$1,830,042

Northern States Power Company (WI)

\$63.11	\$90.16	\$117.21	\$51	\$1,142	\$15,703	\$1,706	\$22,584	\$1,474,914
			\$169	\$1,429	\$17,859	\$2,701	\$35,849	\$2,111,546
						\$3,867	\$50,430	\$2,559,020

Upper Michigan Energy Resources Corporation (formerly We Energi

\$73.31	\$104.56	\$135.81	\$76	\$1,310	\$16,871	\$2,011	\$27,812	\$1,583,890
			\$220	\$1,823	\$18,337	\$3,148	\$37,588	\$2,072,688
						\$4,014	\$49,808	\$2,439,287



Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Annualized Rates in effect July 1, 2020

The data below is presented in this format for each company:									
Class of Service:	res	res	res	com	com	com	ind	ind	ind
Demand (kW):					40	500	75	1,000	50,000
low load factor(kWh):	500	750	1,000	375	10,000	150,000	15,000	200,000	15,000,000
mid load factor:				1,500	14,000	180,000	30,000	400,000	25,000,000
high load factor:							50,000	650,000	32,500,000

#### Upper Michigan Energy Resources Corporation (formerly Wisconsin

\$72.73	\$98.59	\$124.45	\$64	\$1,005	\$13,242	\$1,428	\$22,495	\$1,296,473
			\$174	\$1,337	\$14,546	\$2,392	\$30,885	\$1,715,984
						\$3,261	\$41,373	\$2,030,618

#### Average for: Michigan

\$76.84	\$110.57	\$144.50	\$65	\$1,285	\$16,450	\$1,900	\$26,134	\$1,443,129
			\$199	\$1,662	\$18,376	\$3,191	\$36,137	\$1,839,111
						\$4,098	\$45,909	\$2,122,224

#### Ohio

##### AEP (Columbus Southern Power Rate Area)

\$68.17	\$95.38	\$122.62	\$58	\$1,041	\$14,018	\$1,731	\$21,991	\$913,418
			\$164	\$1,255	\$15,606	\$2,525	\$32,316	\$1,318,296
						\$3,583	\$45,184	\$1,621,955

##### AEP (Ohio Power Rate Area)

\$68.14	\$95.35	\$122.57	\$60	\$1,068	\$14,185	\$1,764	\$22,939	\$912,626
			\$146	\$1,282	\$15,773	\$2,558	\$33,233	\$1,317,504
						\$3,617	\$46,101	\$1,621,162

##### Cleveland Electric Illuminating Company

\$62.11	\$90.07	\$118.07	\$104	\$1,276	\$14,946	\$2,181	\$18,918	\$1,010,326
			\$169	\$1,507	\$16,808	\$3,048	\$29,435	\$1,552,031
						\$4,203	\$42,580	\$1,958,310

##### Dayton Power & Light Company

\$52.26	\$74.17	\$91.50	\$43	\$823	\$11,413	\$1,397	\$15,563	\$1,011,215
			\$114	\$1,058	\$13,147	\$2,231	\$26,683	\$1,544,067
						\$3,343	\$40,583	\$2,876,197

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Annualized Rates in effect July 1, 2020

The data below is presented in this format for each company:									
Class of Service:	res	res	res	com	com	com	ind	ind	ind
Demand (kW):					40	500	75	1,000	50,000
low load factor(kWh):	500	750	1,000	375	10,000	150,000	15,000	200,000	15,000,000
mid load factor:				1,500	14,000	180,000	30,000	400,000	25,000,000
high load factor:							50,000	650,000	32,500,000

#### Duke Energy Ohio

\$61.27	\$87.65	\$114.02	\$57	\$1,043	\$13,700	\$1,707	\$21,989	\$940,709
			\$200	\$1,257	\$15,268	\$2,500	\$32,565	\$1,431,670
						\$3,533	\$42,483	\$1,796,088

#### Ohio Edison Company

\$62.40	\$90.44	\$118.54	\$87	\$1,119	\$13,635	\$1,881	\$18,249	\$1,043,397
			\$152	\$1,353	\$15,288	\$2,758	\$28,454	\$1,541,662
						\$3,929	\$41,210	\$1,915,361

#### Toledo Edison Company

\$64.29	\$93.17	\$122.07	\$87	\$1,194	\$13,701	\$2,041	\$18,367	\$1,072,127
			\$150	\$1,417	\$15,472	\$2,880	\$28,853	\$1,658,074
						\$3,999	\$41,961	\$1,940,035

#### Average for:

#### Ohio

\$62.66	\$89.46	\$115.63	\$71	\$1,081	\$13,657	\$1,815	\$19,717	\$986,260
			\$157	\$1,304	\$15,337	\$2,643	\$30,220	\$1,480,472
						\$3,744	\$42,872	\$1,961,301

#### Wisconsin

#### Northern States Power Company (WI)

\$72.42	\$100.13	\$127.84	\$59	\$1,120	\$16,266	\$1,772	\$25,086	\$1,329,738
			\$185	\$1,346	\$17,998	\$2,600	\$36,386	\$1,770,522
						\$3,403	\$50,510	\$2,044,860

#### Northwestern Wisconsin Electric Company

\$69.05	\$98.08	\$127.10	\$60	\$1,109	\$13,895	\$1,759	\$21,410	\$1,379,600
			\$191	\$1,405	\$15,779	\$2,867	\$33,970	\$2,007,600
						\$4,345	\$49,670	\$2,478,600

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Annualized Rates in effect July 1, 2020

The data below is presented in this format for each company:									
Class of Service:	res	res	res	com	com	com	ind	ind	ind
Demand (kW):					40	500	75	1,000	50,000
low load factor(kWh):	500	750	1,000	375	10,000	150,000	15,000	200,000	15,000,000
mid load factor:				1,500	14,000	180,000	30,000	400,000	25,000,000
high load factor:							50,000	650,000	32,500,000

#### Superior Water, Light & Power Company

\$65.25	\$93.38	\$121.50	\$52	\$1,033	\$14,303	\$1,626	\$21,441	\$1,208,100
			\$176	\$1,307	\$16,358	\$2,577	\$33,677	\$1,633,150
						\$3,845	\$48,972	\$1,953,150

#### We Energies (formerly Wisconsin Electric)

\$82.34	\$115.52	\$148.69	\$64	\$1,299	\$17,636	\$2,031	\$32,064	\$1,868,610
			\$209	\$1,693	\$19,378	\$3,133	\$43,858	\$2,458,282
						\$4,294	\$58,600	\$2,900,536

#### Wisconsin Public Service Corporation

\$70.83	\$100.16	\$129.58	\$67	\$1,063	\$15,153	\$1,580	\$25,158	\$1,441,107
			\$184	\$1,476	\$16,473	\$3,239	\$33,957	\$1,881,153
						\$4,119	\$44,956	\$2,211,120

#### Average for:

#### Wisconsin

\$71.98	\$101.45	\$130.94	\$61	\$1,125	\$15,451	\$1,754	\$25,032	\$1,445,431
			\$189	\$1,445	\$17,197	\$2,883	\$36,370	\$1,950,141
						\$4,001	\$50,542	\$2,317,653

#### Average for:

#### East North Central

\$67.98	\$96.40	\$124.33	\$65	\$1,115	\$14,286	\$1,805	\$22,374	\$1,206,356
			\$178	\$1,421	\$15,957	\$2,852	\$32,326	\$1,643,129
						\$3,951	\$43,458	\$1,974,998

#### West North Central

#### Iowa

#### Interstate Power & Light

\$92.36	\$128.12	\$163.89	\$79	\$1,384	\$20,066	\$2,313	\$30,139	\$1,649,531
			\$257	\$1,917	\$24,070	\$2,938	\$38,477	\$1,835,513
						\$3,772	\$48,900	\$2,148,190

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Annualized Rates in effect July 1, 2020

The data below is presented in this format for each company:									
Class of Service:	res	res	res	com	com	com	ind	ind	ind
Demand (kW):					40	500	75	1,000	50,000
low load factor(kWh):	500	750	1,000	375	10,000	150,000	15,000	200,000	15,000,000
mid load factor:				1,500	14,000	180,000	30,000	400,000	25,000,000
high load factor:							50,000	650,000	32,500,000

#### MidAmerican Energy - East System

\$58.68	\$83.75	\$108.84	\$46	\$864	\$11,270	\$1,477	\$17,097	\$934,482
			\$154	\$1,123	\$12,850	\$2,292	\$27,633	\$1,439,870
						\$3,319	\$40,070	\$1,818,910

#### MidAmerican Energy-North System

\$57.07	\$81.33	\$105.62	\$44	\$806	\$10,700	\$1,411	\$16,337	\$905,716
			\$145	\$1,061	\$12,166	\$2,160	\$26,113	\$1,367,927
						\$3,099	\$37,600	\$1,714,586

#### MidAmerican Energy-South System

\$58.71	\$83.80	\$108.90	\$47	\$884	\$11,000	\$1,477	\$16,737	\$885,105
			\$157	\$1,123	\$12,526	\$2,292	\$26,913	\$1,358,909
						\$3,318	\$38,900	\$1,714,261

#### Average for:

#### Iowa

\$66.70	\$94.25	\$121.81	\$54	\$984	\$13,259	\$1,670	\$20,078	\$1,093,709
			\$178	\$1,306	\$15,403	\$2,420	\$29,784	\$1,500,555
						\$3,377	\$41,367	\$1,848,987

## Kansas

#### Empire District Electric Company

\$64.27	\$88.25	\$111.53	\$64	\$1,136	\$14,409	\$1,848	\$22,333	\$1,052,363
			\$193	\$1,347	\$15,990	\$2,639	\$32,871	\$1,449,263
						\$3,692	\$46,044	\$1,746,938

#### Kansas City Power & Light Company

\$71.70	\$100.42	\$129.14		\$1,262	\$16,201	\$2,073	\$26,807	\$1,556,058
				\$1,529	\$18,034	\$3,058	\$38,472	\$2,061,035
						\$4,299	\$50,294	\$2,409,310

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Annualized Rates in effect July 1, 2020

The data below is presented in this format for each company:									
Class of Service:	res	res	res	com	com	com	ind	ind	ind
Demand (kW):					40	500	75	1,000	50,000
low load factor(kWh):	500	750	1,000	375	10,000	150,000	15,000	200,000	15,000,000
mid load factor:				1,500	14,000	180,000	30,000	400,000	25,000,000
high load factor:							50,000	650,000	32,500,000

#### Westar Energy-KGE

\$69.92	\$97.64	\$124.70	\$61	\$1,098	\$15,789	\$1,727	\$26,129	\$1,533,423
			\$172	\$1,438	\$16,835	\$3,002	\$33,144	\$1,895,470
						\$4,703	\$41,913	\$2,167,006

#### Westar Energy-KPL

\$69.92	\$97.64	\$124.70	\$61	\$1,098	\$15,789	\$1,727	\$26,129	\$1,533,423
			\$172	\$1,438	\$16,835	\$3,002	\$33,144	\$1,895,470
						\$4,703	\$41,913	\$2,167,006

#### Average for: Kansas

\$68.95	\$95.99	\$122.52	\$62	\$1,149	\$15,547	\$1,844	\$25,349	\$1,418,817
			\$179	\$1,438	\$16,924	\$2,925	\$34,408	\$1,825,309
						\$4,349	\$45,041	\$2,122,565

#### Minnesota

##### Northern States Power Company (MN)

\$71.86	\$103.28	\$134.70	\$55	\$1,190	\$16,138	\$1,890	\$24,833	\$1,554,854
			\$185	\$1,446	\$18,057	\$2,834	\$37,419	\$2,107,939
						\$3,787	\$49,340	\$2,465,571

##### Otter Tail Power Company

\$59.68	\$84.64	\$109.60	\$119	\$958	\$13,679	\$1,724	\$21,366	\$1,351,728
			\$210	\$1,280	\$16,099	\$2,601	\$33,060	\$1,936,472
						\$3,771	\$47,679	\$2,375,029

#### Average for: Minnesota

\$65.77	\$93.96	\$122.15	\$87	\$1,074	\$14,908	\$1,807	\$23,099	\$1,453,291
			\$198	\$1,363	\$17,078	\$2,718	\$35,240	\$2,022,206
						\$3,779	\$48,509	\$2,420,300

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Annualized Rates in effect July 1, 2020

The data below is presented in this format for each company:									
Class of Service:	res	res	res	com	com	com	ind	ind	ind
Demand (kW):					40	500	75	1,000	50,000
low load factor(kWh):	500	750	1,000	375	10,000	150,000	15,000	200,000	15,000,000
mid load factor:				1,500	14,000	180,000	30,000	400,000	25,000,000
high load factor:							50,000	650,000	32,500,000

### Missouri

#### Ameren Missouri

\$56.70	\$80.52	\$99.91	\$44	\$898	\$11,543	\$1,343	\$17,327	\$1,096,158
			\$144	\$1,254	\$13,171	\$2,262	\$27,939	\$1,437,784
						\$3,108	\$38,516	\$1,686,846

#### Empire District Electric Company

\$75.86	\$104.86	\$132.23	\$71	\$1,135	\$14,982	\$1,827	\$23,509	\$1,562,100
			\$207	\$1,390	\$16,884	\$2,775	\$36,148	\$1,970,917
						\$4,000	\$51,453	\$2,226,792

#### Kansas City Power & Light - GMO

\$66.50	\$91.92	\$115.95	\$64	\$874	\$12,748	\$1,365	\$20,119	\$1,145,606
			\$187	\$1,147	\$14,089	\$2,387	\$28,661	\$1,544,585
						\$3,750	\$38,570	\$1,835,438

#### Kansas City Power & Light Company

\$77.03	\$105.20	\$130.28		\$1,203	\$16,115	\$1,964	\$27,126	\$1,514,463
				\$1,465	\$17,880	\$2,914	\$42,102	\$1,856,240
						\$4,026	\$48,988	\$2,058,415

#### Average for:

#### Missouri

\$69.02	\$95.62	\$119.59	\$60	\$1,028	\$13,847	\$1,625	\$22,020	\$1,329,582
			\$179	\$1,314	\$15,506	\$2,585	\$33,712	\$1,702,382
						\$3,721	\$44,382	\$1,951,873

### North Dakota

#### Montana-Dakota Utilities Company

\$59.83	\$82.75	\$100.67	\$61	\$1,044	\$13,770	\$1,704	\$22,024	\$1,371,412
			\$153	\$1,262	\$15,407	\$2,522	\$32,942	\$1,917,312
						\$3,614	\$46,590	\$2,326,737

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Annualized Rates in effect July 1, 2020

The data below is presented in this format for each company:									
Class of Service:	res	res	res	com	com	com	ind	ind	ind
Demand (kW):					40	500	75	1,000	50,000
low load factor(kWh):	500	750	1,000	375	10,000	150,000	15,000	200,000	15,000,000
mid load factor:				1,500	14,000	180,000	30,000	400,000	25,000,000
high load factor:							50,000	650,000	32,500,000

#### Northern States Power Company (MN)

\$59.53	\$82.05	\$104.57	\$51	\$1,073	\$14,595	\$1,705	\$22,415	\$1,410,466
			\$156	\$1,310	\$13,374	\$2,578	\$34,054	\$1,939,926
						\$3,532	\$45,978	\$2,297,646

#### Otter Tail Power Company

\$62.75	\$86.30	\$109.86	\$91	\$973	\$13,992	\$1,915	\$21,499	\$1,285,139
			\$192	\$1,331	\$16,673	\$2,581	\$30,379	\$1,729,124
						\$3,469	\$41,479	\$2,062,112

#### Average for:

#### North Dakota

\$60.70	\$83.70	\$105.03	\$68	\$1,030	\$14,119	\$1,775	\$21,979	\$1,355,672
			\$167	\$1,301	\$15,151	\$2,560	\$32,458	\$1,862,121
						\$3,538	\$44,682	\$2,228,832

#### South Dakota

#### Black Hills Power, Inc. d/b/a Black Hills Energy

\$75.10	\$106.64	\$138.19	\$59	\$895	\$17,017	\$1,343	\$25,927	\$1,407,414
			\$182	\$1,056	\$19,240	\$1,920	\$40,751	\$1,944,514
						\$5,513	\$58,553	\$2,347,339

#### MidAmerican Energy

\$48.36	\$68.53	\$88.71	\$48	\$820	\$10,020	\$1,190	\$15,907	\$989,575
			\$162	\$926	\$10,946	\$1,765	\$23,002	\$1,224,075
						\$1,996	\$27,007	\$1,344,225

#### Montana-Dakota Utilities Company

\$61.94	\$89.15	\$111.36	\$51	\$1,011	\$12,087	\$1,425	\$18,633	\$1,205,697
			\$155	\$1,326	\$13,740	\$2,252	\$29,653	\$1,756,697
						\$3,354	\$43,428	\$2,169,947

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Annualized Rates in effect July 1, 2020

The data below is presented in this format for each company:

Class of Service:	res	res	res	com	com	com	ind	ind	ind
Demand (kW):					40	500	75	1,000	50,000
low load factor(kWh):	500	750	1,000	375	10,000	150,000	15,000	200,000	15,000,000
mid load factor:				1,500	14,000	180,000	30,000	400,000	25,000,000
high load factor:							50,000	650,000	32,500,000

#### Northern States Power Company (MN)

\$62.36	\$89.42	\$116.47	\$47	\$1,056	\$14,489	\$1,654	\$21,774	\$1,390,094
			\$162	\$1,303	\$16,347	\$2,532	\$33,492	\$1,928,321
						\$3,552	\$46,233	\$2,310,548

#### Northwestern Energy

\$70.19	\$102.13	\$132.22	\$66	\$1,388	\$15,397	\$2,354	\$25,637	\$1,464,399
			\$216	\$1,653	\$16,684	\$3,138	\$34,432	\$1,866,727
						\$3,936	\$42,407	\$2,083,402

#### Otter Tail Power Company

\$58.46	\$82.53	\$106.59	\$125	\$796	\$11,195	\$1,691	\$18,932	\$1,163,952
			\$194	\$1,043	\$13,052	\$2,376	\$28,064	\$1,620,537
						\$3,289	\$39,478	\$1,962,976

#### Average for:

#### South Dakota

\$62.73	\$89.73	\$115.59	\$66	\$994	\$13,367	\$1,609	\$21,135	\$1,270,189
			\$179	\$1,218	\$15,001	\$2,330	\$31,566	\$1,723,479
						\$3,607	\$42,851	\$2,036,406

#### Average for:

#### West North Central

\$65.60	\$92.21	\$117.77	\$65	\$1,037	\$14,043	\$1,702	\$22,119	\$1,302,746
			\$179	\$1,312	\$15,693	\$2,557	\$32,559	\$1,742,810
						\$3,722	\$43,971	\$2,062,575

#### South Atlantic

#### District of Columbia

#### Potomac Electric Power Company

\$62.21	\$87.01	\$112.82	\$72	\$1,279	\$21,096	\$2,138	\$27,457	\$1,798,619
			\$208	\$1,738	\$23,899	\$3,743	\$44,733	\$2,649,336
						\$5,883	\$65,964	\$3,288,983



Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Annualized Rates in effect July 1, 2020

The data below is presented in this format for each company:

Class of Service:	res	res	res	com	com	com	ind	ind	ind
Demand (kW):					40	500	75	1,000	50,000
low load factor(kWh):	500	750	1,000	375	10,000	150,000	15,000	200,000	15,000,000
mid load factor:				1,500	14,000	180,000	30,000	400,000	25,000,000
high load factor:							50,000	650,000	32,500,000

#### Average for:

#### District of Columbia

\$62.21	\$87.01	\$112.82	\$72	\$1,279	\$21,096	\$2,138	\$27,457	\$1,798,619
			\$208	\$1,738	\$23,899	\$3,743	\$44,733	\$2,649,336
						\$5,883	\$65,964	\$3,288,983

#### Florida

##### Duke Energy Florida

\$70.51	\$100.29	\$130.09	\$62	\$1,153	\$15,373	\$1,891	\$23,743	\$1,519,274
			\$203	\$1,429	\$17,420	\$2,925	\$37,386	\$2,053,477
						\$4,057	\$50,614	\$2,521,314

##### Florida Power & Light Company

\$52.40	\$74.31	\$96.24	\$44	\$954	\$13,336	\$1,590	\$22,378	\$744,835
			\$145	\$1,142	\$14,559	\$2,294	\$30,802	\$1,077,061
						\$3,232	\$40,873	\$1,326,230

##### Florida Public Utilities Company

\$78.42	\$105.95	\$133.49	\$83	\$1,187	\$16,104	\$1,807	\$24,346	\$1,588,892
			\$216	\$1,518	\$18,397	\$3,057	\$39,635	\$2,353,342
						\$4,711	\$58,746	\$2,926,679

##### Gulf Power Company

\$80.06	\$110.27	\$140.43	\$73	\$1,139	\$17,072	\$1,793	\$27,870	\$1,680,557
			\$213	\$1,460	\$18,874	\$2,996	\$39,881	\$2,281,081
						\$4,599	\$54,894	\$2,536,176

##### Tampa Electric Company

\$1.18	\$1.57	\$1.97	\$1	\$21	\$269	\$35	\$459	\$26,821
			\$3	\$24	\$292	\$47	\$615	\$34,590
						\$62	\$809	\$40,417

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Annualized Rates in effect July 1, 2020

The data below is presented in this format for each company:

Class of Service:	res	res	res	com	com	com	ind	ind	ind
Demand (kW):					40	500	75	1,000	50,000
low load factor(kWh):	500	750	1,000	375	10,000	150,000	15,000	200,000	15,000,000
mid load factor:				1,500	14,000	180,000	30,000	400,000	25,000,000
high load factor:							50,000	650,000	32,500,000

#### Average for:

#### Florida

\$56.51	\$78.48	\$100.44	\$53	\$891	\$12,431	\$1,423	\$19,759	\$1,112,076
			\$156	\$1,115	\$13,908	\$2,264	\$29,664	\$1,559,910
						\$3,332	\$41,187	\$1,870,163

#### Georgia

##### Georgia Power Company

\$63.34	\$89.29	\$116.68	\$82	\$1,448	\$16,651	\$2,350	\$32,195	\$1,497,655
			\$266	\$1,608	\$17,850	\$2,964	\$40,696	\$1,896,069
						\$3,675	\$50,051	\$2,169,934

#### Average for:

#### Georgia

\$63.34	\$89.29	\$116.68	\$82	\$1,448	\$16,651	\$2,350	\$32,195	\$1,497,655
			\$266	\$1,608	\$17,850	\$2,964	\$40,696	\$1,896,069
						\$3,675	\$50,051	\$2,169,934

#### Maryland

##### Baltimore Gas & Electric Company

\$64.55	\$92.67	\$120.79	\$55	\$1,183	\$16,682	\$1,882	\$8,055	\$275,874
			\$176	\$1,646	\$19,285	\$3,143	\$12,424	\$361,188
						\$4,835	\$17,784	\$425,036

##### Potomac Edison Company

\$55.97	\$80.94	\$105.91	\$53	\$1,151	\$15,680	\$1,863	\$17,227	\$1,037,189
			\$159	\$1,487	\$17,126	\$2,754	\$29,714	\$1,606,978
						\$3,778	\$45,284	\$2,034,427

##### Potomac Electric Power (Montgomery County)

\$79.54	\$115.07	\$150.61	\$68	\$1,299	\$18,191	\$1,757	\$23,941	\$1,655,439
			\$230	\$1,712	\$21,324	\$3,177	\$43,098	\$2,611,280
						\$5,077	\$67,068	\$3,328,020

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Annualized Rates in effect July 1, 2020

The data below is presented in this format for each company:									
Class of Service:	res	res	res	com	com	com	ind	ind	ind
Demand (kW):					40	500	75	1,000	50,000
low load factor(kWh):	500	750	1,000	375	10,000	150,000	15,000	200,000	15,000,000
mid load factor:				1,500	14,000	180,000	30,000	400,000	25,000,000
high load factor:							50,000	650,000	32,500,000

#### Potomac Electric Power (Prince George's County)

\$78.68	\$113.78	\$148.88	\$60	\$1,096	\$15,158	\$1,454	\$19,896	\$1,352,085
			\$200	\$1,429	\$17,684	\$2,570	\$35,009	\$2,105,690
						\$4,066	\$53,923	\$2,670,753

#### Average for: Maryland

\$69.69	\$100.62	\$131.55	\$59	\$1,182	\$16,428	\$1,739	\$17,280	\$1,080,147
			\$191	\$1,568	\$18,855	\$2,911	\$30,061	\$1,671,284
						\$4,439	\$46,015	\$2,114,559

#### North Carolina

##### Dominion Energy North Carolina

\$61.35	\$86.41	\$111.46	\$56	\$890	\$13,029	\$1,304	\$18,969	\$1,343,724
			\$159	\$1,169	\$14,797	\$2,327	\$30,781	\$1,724,636
						\$3,298	\$40,304	\$2,010,320

##### Duke Energy Carolinas

\$60.92	\$83.95	\$106.97	\$67	\$872	\$11,746	\$1,356	\$17,283	\$1,040,149
			\$197	\$1,090	\$13,419	\$2,177	\$28,364	\$1,476,410
						\$3,040	\$39,161	\$1,803,605

##### Duke Energy Progress, Inc.

\$67.21	\$94.42	\$120.30	\$62	\$993	\$12,336	\$1,605	\$22,928	\$1,272,492
			\$201	\$1,212	\$13,760	\$2,330	\$31,944	\$1,723,292
						\$3,222	\$43,199	\$2,060,617

#### Average for: North Carolina

\$63.16	\$88.26	\$112.91	\$62	\$918	\$12,370	\$1,422	\$19,727	\$1,218,788
			\$186	\$1,157	\$13,992	\$2,278	\$30,363	\$1,641,446
						\$3,187	\$40,888	\$1,958,181

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Annualized Rates in effect July 1, 2020

The data below is presented in this format for each company:									
Class of Service:	res	res	res	com	com	com	ind	ind	ind
Demand (kW):					40	500	75	1,000	50,000
low load factor(kWh):	500	750	1,000	375	10,000	150,000	15,000	200,000	15,000,000
mid load factor:				1,500	14,000	180,000	30,000	400,000	25,000,000
high load factor:							50,000	650,000	32,500,000

### South Carolina

Dominion Energy South Carolina (formerly SCE&G)

\$65.92	\$94.04	\$122.31	\$66	\$1,119	\$16,409	\$1,663	\$22,812	\$1,291,229
			\$192	\$1,554	\$17,640	\$2,966	\$31,579	\$1,679,046
						\$3,838	\$41,274	\$1,969,908

Duke Energy Carolinas

\$67.36	\$94.75	\$122.14	\$64	\$953	\$13,511	\$1,566	\$18,477	\$1,118,938
			\$213	\$1,195	\$14,842	\$2,489	\$31,590	\$1,589,526
						\$3,384	\$42,888	\$1,925,451

Duke Energy Progress, Inc.

\$66.04	\$91.33	\$116.63	\$70	\$950	\$13,923	\$1,711	\$26,038	\$1,524,360
			\$181	\$1,166	\$15,787	\$2,643	\$38,846	\$2,164,760
						\$3,837	\$53,435	\$2,574,051

#### Average for: South Carolina

\$66.44	\$93.37	\$120.36	\$67	\$1,007	\$14,614	\$1,647	\$22,442	\$1,311,509
			\$195	\$1,305	\$16,090	\$2,699	\$34,005	\$1,811,110
						\$3,686	\$45,866	\$2,156,470

### Virginia

AEP (Appalachian Power Rate Area)

\$58.25	\$83.64	\$109.04	\$43	\$966	\$13,619	\$1,503	\$18,413	\$1,224,142
			\$146	\$1,185	\$14,945	\$2,379	\$29,418	\$1,509,872
						\$3,262	\$38,877	\$1,724,169

Dominion Energy Virginia

\$62.47	\$90.41	\$116.69	\$50	\$1,012	\$12,770	\$1,805	\$23,351	\$1,256,906
			\$157	\$1,206	\$13,391	\$2,363	\$27,489	\$1,462,313
						\$2,809	\$32,661	\$1,616,369

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Annualized Rates in effect July 1, 2020

The data below is presented in this format for each company:									
Class of Service:	res	res	res	com	com	com	ind	ind	ind
Demand (kW):					40	500	75	1,000	50,000
low load factor(kWh):	500	750	1,000	375	10,000	150,000	15,000	200,000	15,000,000
mid load factor:				1,500	14,000	180,000	30,000	400,000	25,000,000
high load factor:							50,000	650,000	32,500,000

Old Dominion Power Company

\$2,012

\$2,663

\$3,531

Average for:

Virginia

\$60.36	\$87.03	\$112.87	\$47	\$989	\$13,195	\$1,774	\$20,882	\$1,240,524
			\$152	\$1,195	\$14,168	\$2,468	\$28,454	\$1,486,093
						\$3,201	\$35,769	\$1,670,269

West Virginia

AEP (Appalachian Power Rate Area)

\$73.93	\$101.99	\$130.04	\$48	\$1,113	\$14,887	\$1,857	\$21,830	\$1,209,466
			\$146	\$1,326	\$16,403	\$2,594	\$31,374	\$1,525,266
						\$3,327	\$40,301	\$1,762,116

AEP (Wheeling Power Rate Area)

\$73.93	\$101.99	\$130.04	\$48	\$1,113	\$14,887	\$1,857	\$21,830	\$1,209,466
			\$146	\$1,326	\$16,403	\$2,594	\$31,374	\$1,525,266
						\$3,327	\$40,301	\$1,762,116

Average for:

West Virginia

\$73.93	\$101.99	\$130.04	\$48	\$1,113	\$14,887	\$1,857	\$21,830	\$1,209,466
			\$146	\$1,326	\$16,403	\$2,594	\$31,374	\$1,525,266
						\$3,327	\$40,301	\$1,762,116

Average for:

South Atlantic

\$64.01	\$90.19	\$116.36	\$58	\$1,042	\$14,416	\$1,673	\$20,929	\$1,222,291
			\$179	\$1,315	\$16,100	\$2,600	\$31,750	\$1,686,213
						\$3,675	\$43,734	\$2,022,700

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Annualized Rates in effect July 1, 2020

The data below is presented in this format for each company:									
Class of Service:	res	res	res	com	com	com	ind	ind	ind
Demand (kW):					40	500	75	1,000	50,000
low load factor(kWh):	500	750	1,000	375	10,000	150,000	15,000	200,000	15,000,000
mid load factor:				1,500	14,000	180,000	30,000	400,000	25,000,000
high load factor:							50,000	650,000	32,500,000

### East South Central

#### Alabama

Alabama Power Company

\$77.30	\$108.48	\$137.63	\$92	\$1,491	\$20,665	\$2,223	\$18,818	\$1,224,885
			\$290	\$1,910	\$23,804	\$3,849	\$30,866	\$1,761,360
						\$5,916	\$44,416	\$2,163,716

Average for:

Alabama

\$77.30	\$108.48	\$137.63	\$92	\$1,491	\$20,665	\$2,223	\$18,818	\$1,224,885
			\$290	\$1,910	\$23,804	\$3,849	\$30,866	\$1,761,360
						\$5,916	\$44,416	\$2,163,716

#### Kentucky

AEP (Kentucky Power Rate Area)

\$63.53	\$87.33	\$111.12	\$65	\$1,234	\$16,060	\$1,976	\$29,318	\$1,091,911
			\$177	\$1,630	\$18,332	\$3,462	\$32,658	\$1,248,513
						\$5,443	\$36,834	\$1,365,965

Duke Energy Kentucky

\$51.56	\$70.58	\$89.60	\$50	\$1,019	\$13,099	\$1,628	\$24,094	\$1,118,310
			\$152	\$1,239	\$14,498	\$2,436	\$32,290	\$1,561,454
						\$3,327	\$42,536	\$1,893,811

Kentucky Utilities Company

\$2,416
\$2,861
\$3,456

Louisville Gas & Electric Company

\$2,393
\$2,928
\$3,641

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Annualized Rates in effect July 1, 2020

The data below is presented in this format for each company:

Class of Service:	res	res	res	com	com	com	ind	ind	ind
Demand (kW):					40	500	75	1,000	50,000
low load factor(kWh):	500	750	1,000	375	10,000	150,000	15,000	200,000	15,000,000
mid load factor:				1,500	14,000	180,000	30,000	400,000	25,000,000
high load factor:							50,000	650,000	32,500,000

#### Average for:

#### Kentucky

\$57.55	\$78.96	\$100.36	\$58	\$1,127	\$14,580	\$2,103	\$26,706	\$1,105,111
			\$165	\$1,435	\$16,415	\$2,922	\$32,474	\$1,404,984
						\$3,967	\$39,685	\$1,629,888

#### Mississippi

Entergy Mississippi, Inc.

\$60.39	\$78.62	\$96.82	\$60	\$1,051	\$11,378	\$1,601	\$15,261	\$1,059,670
			\$177	\$1,342	\$13,019	\$2,640	\$25,604	\$1,187,318
						\$4,026	\$33,833	\$1,283,054

Mississippi Power Company

\$77.57	\$103.00	\$128.19	\$80	\$1,058	\$14,750	\$1,974	\$22,453	\$1,306,270
			\$187	\$1,306	\$16,499	\$2,944	\$34,252	\$1,862,049
						\$3,881	\$46,396	\$2,195,912

#### Average for:

#### Mississippi

\$68.98	\$90.81	\$112.51	\$70	\$1,054	\$13,064	\$1,788	\$18,857	\$1,182,970
			\$182	\$1,324	\$14,759	\$2,792	\$29,928	\$1,524,683
						\$3,953	\$40,115	\$1,739,483

#### Tennessee

AEP (Kingsport Power Rate Area)

\$56.64	\$77.19	\$97.76	\$54	\$1,172	\$16,541	\$1,904	\$24,967	\$1,293,525
			\$151	\$1,448	\$18,247	\$2,938	\$35,370	\$1,684,275
						\$4,316	\$48,373	\$1,977,337

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Annualized Rates in effect July 1, 2020

The data below is presented in this format for each company:

Class of Service:	res	res	res	com	com	com	ind	ind	ind
Demand (kW):					40	500	75	1,000	50,000
low load factor(kWh):	500	750	1,000	375	10,000	150,000	15,000	200,000	15,000,000
mid load factor:				1,500	14,000	180,000	30,000	400,000	25,000,000
high load factor:							50,000	650,000	32,500,000

Average for:

**Tennessee**

\$56.64	\$77.19	\$97.76	\$54	\$1,172	\$16,541	\$1,904	\$24,967	\$1,293,525
			\$151	\$1,448	\$18,247	\$2,938	\$35,370	\$1,684,275
						\$4,316	\$48,373	\$1,977,337

Average for:

**East South Central**

\$64.50	\$87.53	\$110.19	\$67	\$1,171	\$15,415	\$2,014	\$22,485	\$1,182,428
			\$189	\$1,479	\$17,400	\$3,007	\$31,840	\$1,550,828
						\$4,251	\$42,065	\$1,813,299

**West South Central**

**Arkansas**

Empire District Electric Company

\$66.45	\$93.46	\$119.85	\$58	\$1,025	\$14,323	\$1,800	\$23,236	\$1,471,893
			\$176	\$1,310	\$15,890	\$2,574	\$33,564	\$1,826,589
						\$3,497	\$45,092	\$2,082,359

Entergy Arkansas, Inc.

\$59.13	\$83.82	\$108.49	\$58	\$936	\$13,271	\$1,524	\$20,359	\$1,185,914
			\$138	\$1,185	\$14,451	\$2,457	\$30,370	\$1,527,690
						\$3,525	\$35,168	\$1,730,060

OG&E Electric Services

\$48.89	\$67.11	\$84.70	\$54	\$893	\$10,608	\$1,434	\$16,897	\$996,733
			\$131	\$1,034	\$11,661	\$1,960	\$23,451	\$1,324,466
						\$2,662	\$31,645	\$1,570,265

Southwestern Electric Power Company

\$56.97	\$80.45	\$103.94	\$41	\$990	\$12,168	\$1,397	\$18,634	\$999,211
			\$127	\$1,296	\$13,674	\$2,099	\$27,991	\$1,457,204
						\$3,035	\$39,686	\$1,800,699



Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Annualized Rates in effect July 1, 2020

The data below is presented in this format for each company:

Class of Service:	res	res	res	com	com	com	ind	ind	ind
Demand (kW):					40	500	75	1,000	50,000
low load factor(kWh):	500	750	1,000	375	10,000	150,000	15,000	200,000	15,000,000
mid load factor:				1,500	14,000	180,000	30,000	400,000	25,000,000
high load factor:							50,000	650,000	32,500,000

#### Average for:

#### Arkansas

\$57.86	\$81.21	\$104.25	\$53	\$961	\$12,592	\$1,539	\$19,782	\$1,163,438
			\$143	\$1,206	\$13,919	\$2,273	\$28,844	\$1,533,987
						\$3,180	\$37,898	\$1,795,846

#### Louisiana

##### CLECO Power LLC

\$65.06	\$92.09	\$116.47	\$55	\$1,082	\$14,477	\$1,829	\$24,135	\$1,482,475
			\$185	\$1,271	\$15,889	\$2,535	\$33,554	\$1,763,492
						\$3,477	\$45,327	\$1,974,254

##### Entergy Louisiana, Inc.

\$51.30	\$74.82	\$96.66	\$75	\$1,076	\$11,524	\$1,607	\$16,399	\$1,017,803
			\$187	\$1,395	\$13,149	\$2,747	\$26,384	\$1,554,464
						\$3,821	\$38,978	\$1,717,716

##### Entergy Louisiana, LLC (formerly Entergy Gulf States, Inc.)

\$52.60	\$73.34	\$94.06	\$65	\$845	\$11,147	\$1,340	\$16,568	\$958,413
			\$184	\$1,050	\$12,682	\$2,103	\$26,588	\$1,297,516
						\$3,082	\$38,562	\$1,538,337

##### Entergy New Orleans, Inc.

\$61.05	\$86.97	\$111.04	\$59	\$1,092	\$15,034	\$1,784	\$23,985	\$1,448,750
			\$162	\$1,363	\$16,693	\$2,803	\$35,046	\$1,965,291
						\$4,005	\$47,047	\$2,325,313

##### Southwestern Electric Power Company

\$55.62	\$78.95	\$102.28	\$71	\$1,009	\$12,956	\$1,557	\$20,755	\$1,067,978
			\$209	\$1,215	\$14,500	\$2,329	\$30,898	\$1,450,705
						\$3,359	\$42,252	\$1,737,749

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Annualized Rates in effect July 1, 2020

The data below is presented in this format for each company:

Class of Service:	res	res	res	com	com	com	ind	ind	ind
Demand (kW):					40	500	75	1,000	50,000
low load factor(kWh):	500	750	1,000	375	10,000	150,000	15,000	200,000	15,000,000
mid load factor:				1,500	14,000	180,000	30,000	400,000	25,000,000
high load factor:							50,000	650,000	32,500,000

#### Average for:

#### Louisiana

\$57.13	\$81.23	\$104.10	\$65	\$1,021	\$13,027	\$1,623	\$20,368	\$1,195,084
			\$185	\$1,259	\$14,583	\$2,503	\$30,494	\$1,606,293
						\$3,549	\$42,433	\$1,858,674

#### Oklahoma

##### Empire District Electric Company

\$67.01	\$92.82	\$117.68	\$71	\$1,028	\$13,301	\$1,625	\$19,304	\$1,045,324
			\$203	\$1,297	\$15,204	\$2,619	\$32,087	\$1,582,994
						\$3,888	\$47,946	\$1,986,247

##### OG&E Electric Services

\$58.50	\$77.69	\$94.62	\$63	\$875	\$10,964	\$1,421	\$13,967	\$790,505
			\$166	\$1,025	\$12,088	\$1,993	\$20,078	\$1,079,708
						\$2,742	\$27,717	\$1,296,610

##### Public Service Company of Oklahoma

\$51.50	\$77.55	\$95.78	\$61	\$847	\$9,046	\$1,260	\$14,471	\$713,081
			\$134	\$1,109	\$10,052	\$2,099	\$21,183	\$974,358
						\$3,046	\$29,573	\$1,170,316
\$51.51	\$77.57	\$95.80	\$61	\$847	\$9,047	\$1,260	\$14,473	\$713,081
			\$134	\$1,109	\$10,054	\$2,100	\$21,187	\$974,358
						\$3,047	\$29,580	\$1,170,316

#### Average for:

#### Oklahoma

\$57.13	\$81.41	\$100.97	\$64	\$899	\$10,589	\$1,391	\$15,554	\$815,498
			\$159	\$1,135	\$11,850	\$2,203	\$23,634	\$1,152,855
						\$3,181	\$33,704	\$1,405,872

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Annualized Rates in effect July 1, 2020

The data below is presented in this format for each company:									
Class of Service:	res	res	res	com	com	com	ind	ind	ind
Demand (kW):					40	500	75	1,000	50,000
low load factor(kWh):	500	750	1,000	375	10,000	150,000	15,000	200,000	15,000,000
mid load factor:				1,500	14,000	180,000	30,000	400,000	25,000,000
high load factor:							50,000	650,000	32,500,000

### Texas

#### AEP Texas Central Company (formerly Central Power & Light)

\$26.50	\$37.58	\$48.70	\$25	\$456	\$4,936	\$841	\$9,662	\$186,391
			\$86	\$459	\$4,963	\$851	\$9,843	\$186,391
						\$864	\$10,069	\$186,391

#### AEP Texas North Company (formerly West Texas Utilities)

\$17.61	\$24.59	\$31.61	\$12	\$289	\$2,900	\$529	\$5,630	\$92,845
			\$37	\$292	\$2,902	\$541	\$5,648	\$92,845
						\$558	\$5,671	\$92,845

#### El Paso Electric Company

\$59.24	\$85.22	\$111.43	\$53	\$1,054	\$13,974	\$1,783	\$24,476	\$1,149,503
			\$179	\$1,233	\$15,271	\$2,418	\$28,626	\$1,382,829
						\$3,109	\$33,815	\$1,557,824

#### Entergy Texas

\$62.65	\$87.89	\$113.16	\$52	\$899	\$12,773	\$1,444	\$17,612	\$843,519
			\$156	\$1,116	\$13,830	\$2,257	\$27,866	\$1,118,606
						\$3,341	\$36,525	\$1,319,625

#### Southwestern Electric Power Company

\$57.89	\$82.09	\$105.81	\$49	\$896	\$12,360	\$1,512	\$20,161	\$1,013,100
			\$160	\$1,083	\$13,763	\$2,223	\$29,635	\$1,419,296
						\$3,170	\$41,478	\$1,723,943

#### Southwestern Public Service

\$53.68	\$75.51	\$97.34	\$38	\$804	\$10,274	\$1,238	\$15,782	\$702,731
			\$119	\$887	\$10,900	\$1,517	\$19,502	\$859,766
						\$1,889	\$24,151	\$977,542

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Annualized Rates in effect July 1, 2020

The data below is presented in this format for each company:

Class of Service:	res	res	res	com	com	com	ind	ind	ind
Demand (kW):					40	500	75	1,000	50,000
low load factor(kWh):	500	750	1,000	375	10,000	150,000	15,000	200,000	15,000,000
mid load factor:				1,500	14,000	180,000	30,000	400,000	25,000,000
high load factor:							50,000	650,000	32,500,000

Average for:

**Texas**

\$46.26	\$65.48	\$84.67	\$38	\$733	\$9,536	\$1,224	\$15,554	\$664,681
			\$123	\$845	\$10,272	\$1,634	\$20,187	\$843,289
						\$2,155	\$25,285	\$976,362

Average for:

**West South Central**

\$53.85	\$76.29	\$97.34	\$54	\$892	\$11,320	\$1,431	\$17,711	\$941,013
			\$151	\$1,091	\$12,506	\$2,117	\$25,447	\$1,254,661
						\$2,954	\$34,225	\$1,471,495

**Mountain**

**Arizona**

Arizona Public Service Company

\$68.45	\$106.92	\$140.68	\$108	\$1,426	\$15,835	\$2,417	\$26,693	\$1,137,895
			\$250	\$1,642	\$16,975	\$3,141	\$34,289	\$1,435,055
						\$4,106	\$43,783	\$1,657,926

Tucson Electric Power Company

\$72.92	\$104.52	\$134.96	\$75	\$1,495	\$19,709	\$2,406	\$31,566	\$1,489,671
			\$239	\$2,087	\$21,282	\$4,175	\$42,053	\$1,846,374
						\$6,443	\$55,162	\$2,113,901

Unisource Electric Company

\$60.29	\$82.88	\$105.47	\$60	\$1,066	\$15,590	\$2,149	\$25,413	\$1,448,491
			\$174	\$1,570	\$17,094	\$2,903	\$35,441	\$1,815,608
						\$3,909	\$47,976	\$2,090,946

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Annualized Rates in effect July 1, 2020

The data below is presented in this format for each company:

Class of Service:	res	res	res	com	com	com	ind	ind	ind
Demand (kW):					40	500	75	1,000	50,000
low load factor(kWh):	500	750	1,000	375	10,000	150,000	15,000	200,000	15,000,000
mid load factor:				1,500	14,000	180,000	30,000	400,000	25,000,000
high load factor:							50,000	650,000	32,500,000

#### Average for:

#### Arizona

\$67.22	\$98.10	\$127.04	\$81	\$1,329	\$17,045	\$2,324	\$27,891	\$1,358,686
			\$221	\$1,766	\$18,450	\$3,407	\$37,261	\$1,699,013
						\$4,819	\$48,974	\$1,954,258

#### Colorado

##### Black Hills/Colorado Electric

\$81.32	\$124.96	\$168.60	\$63	\$1,353	\$19,426	\$2,666	\$34,432	\$1,848,955
			\$213	\$1,889	\$20,726	\$3,315	\$43,093	\$2,316,873
						\$4,182	\$53,920	\$2,667,811

##### Public Service Company of Colorado

\$53.60	\$88.94	\$124.27	\$58	\$1,303	\$16,178	\$2,278	\$28,418	\$1,268,599
			\$200	\$1,443	\$17,206	\$2,803	\$35,272	\$1,605,472
						\$3,502	\$43,839	\$1,858,126

#### Average for:

#### Colorado

\$67.46	\$106.95	\$146.43	\$60	\$1,328	\$17,802	\$2,472	\$31,425	\$1,558,777
			\$207	\$1,666	\$18,966	\$3,059	\$39,182	\$1,961,172
						\$3,842	\$48,880	\$2,262,968

#### Idaho

##### Avista Corp.

\$587.40	\$864.02	\$1,153.25	\$580	\$12,802	\$150,324	\$18,302	\$221,832	\$11,569,932
			\$1,852	\$15,882	\$173,429	\$29,855	\$358,908	\$16,998,732
						\$45,258	\$523,188	\$21,070,332

##### Idaho Power Company

\$48.99	\$70.92	\$94.98	\$47	\$716	\$10,105	\$1,166	\$15,202	
			\$180	\$906	\$11,530	\$1,882	\$23,566	
						\$2,837	\$34,020	

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Annualized Rates in effect July 1, 2020

The data below is presented in this format for each company:									
Class of Service:	res	res	res	com	com	com	ind	ind	ind
Demand (kW):					40	500	75	1,000	50,000
low load factor(kWh):	500	750	1,000	375	10,000	150,000	15,000	200,000	15,000,000
mid load factor:				1,500	14,000	180,000	30,000	400,000	25,000,000
high load factor:							50,000	650,000	32,500,000

#### PacifiCorp

\$52.68	\$76.85	\$97.63	\$52	\$956	\$13,396	\$1,426	\$21,674	\$1,160,611
			\$157	\$1,195	\$14,730	\$2,375	\$30,521	\$1,627,349
						\$3,264	\$41,578	\$1,977,402

#### Average for:

#### Idaho

\$229.69	\$337.26	\$448.62	\$226	\$4,825	\$57,942	\$6,965	\$86,236	\$6,365,271
			\$730	\$5,995	\$66,563	\$11,371	\$137,665	\$9,313,040
						\$17,120	\$199,595	\$11,523,867

#### Montana

##### Black Hills Power, Inc. d/b/a Black Hills Energy

\$37.65	\$52.98	\$68.30	\$37	\$834	\$8,750	\$1,316	\$13,443	
			\$119	\$1,069	\$9,749	\$2,151	\$20,103	
						\$2,682	\$28,428	

##### Montana-Dakota Utilites Company

\$56.52	\$81.59	\$106.65	\$49	\$1,164	\$14,616	\$1,886	\$23,649	\$1,440,667
			\$127	\$1,446	\$16,218	\$2,687	\$34,195	\$1,967,981
						\$3,754	\$47,378	\$2,363,467

##### NorthWestern Energy (formerly Montana Power)

\$62.74	\$92.10	\$121.46	\$53	\$1,246	\$16,132	\$2,032	\$18,749	\$1,213,499
			\$197	\$1,562	\$18,534	\$3,222	\$33,063	\$1,913,559
						\$4,806	\$50,957	\$2,438,604

#### Average for:

#### Montana

\$52.30	\$75.56	\$98.80	\$46	\$1,081	\$13,166	\$1,745	\$18,614	\$1,327,083
			\$148	\$1,359	\$14,834	\$2,687	\$29,120	\$1,940,770
						\$3,747	\$42,254	\$2,401,036

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Annualized Rates in effect July 1, 2020

The data below is presented in this format for each company:

Class of Service:	res	res	res	com	com	com	ind	ind	ind
Demand (kW):					40	500	75	1,000	50,000
low load factor(kWh):	500	750	1,000	375	10,000	150,000	15,000	200,000	15,000,000
mid load factor:				1,500	14,000	180,000	30,000	400,000	25,000,000
high load factor:							50,000	650,000	32,500,000

### Nevada

Nevada Power Company - NV Energy

\$64.37	\$90.30	\$116.23	\$50	\$919	\$11,748	\$1,497	\$19,518	\$1,197,807
			\$119	\$1,141	\$13,206	\$2,330	\$28,791	\$1,661,432
						\$3,441	\$40,381	\$2,009,150

Sierra Pacific Power Company - NV Energy

\$56.23	\$76.71	\$97.20	\$58	\$839	\$12,214	\$1,382	\$20,685	\$1,228,109
			\$135	\$1,033	\$13,630	\$2,108	\$29,563	\$1,672,049
						\$3,076	\$40,662	\$2,005,005

Average for:

Nevada

\$60.30	\$83.51	\$106.72	\$54	\$879	\$11,981	\$1,440	\$20,102	\$1,212,958
			\$127	\$1,087	\$13,418	\$2,219	\$29,177	\$1,666,741
						\$3,259	\$40,522	\$2,007,078

### New Mexico

El Paso Electric Company

\$61.87	\$90.71	\$120.41	\$65	\$1,362	\$17,242	\$2,189	\$28,177	\$1,495,564
			\$217	\$1,644	\$18,920	\$3,028	\$38,235	\$1,983,889
						\$4,146	\$50,807	\$2,350,133

Southwestern Public Service

\$57.99	\$82.04	\$106.09	\$46	\$1,038	\$13,350	\$1,686	\$22,021	\$908,244
			\$135	\$1,156	\$14,240	\$2,056	\$26,957	\$1,134,394
						\$2,550	\$33,126	\$1,301,415

Average for:

New Mexico

\$59.93	\$86.37	\$113.25	\$55	\$1,200	\$15,296	\$1,937	\$25,099	\$1,201,904
			\$176	\$1,400	\$16,580	\$2,542	\$32,596	\$1,559,142
						\$3,348	\$41,967	\$1,825,774

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Annualized Rates in effect July 1, 2020

The data below is presented in this format for each company:									
Class of Service:	res	res	res	com	com	com	ind	ind	ind
Demand (kW):					40	500	75	1,000	50,000
low load factor(kWh):	500	750	1,000	375	10,000	150,000	15,000	200,000	15,000,000
mid load factor:				1,500	14,000	180,000	30,000	400,000	25,000,000
high load factor:							50,000	650,000	32,500,000

### Utah

PacifiCorp

\$53.14	\$81.08	\$109.03	\$53	\$1,102	\$14,011	\$1,876	\$24,894	\$1,203,780
			\$181	\$1,249	\$15,118	\$2,429	\$32,640	\$1,542,753
						\$3,167	\$42,323	\$1,796,984

Average for:

Utah

\$53.14	\$81.08	\$109.03	\$53	\$1,102	\$14,011	\$1,876	\$24,894	\$1,203,780
			\$181	\$1,249	\$15,118	\$2,429	\$32,640	\$1,542,753
						\$3,167	\$42,323	\$1,796,984

### Wyoming

Black Hills Power, Inc. d/b/a Black Hills Energy

\$69.97	\$97.21	\$124.44	\$65	\$1,240	\$17,720	\$1,969	\$27,980	\$1,440,911
			\$175	\$1,616	\$19,748	\$3,381	\$41,500	\$2,021,911
						\$5,391	\$58,400	\$2,422,691

Cheyenne Light, Fuel & Power d/b/a Black Hills Energy

\$77.53	\$109.80	\$142.06	\$67	\$1,650	\$19,013	\$2,647	\$32,389	\$1,693,350
			\$220	\$1,898	\$20,634	\$3,457	\$43,193	\$2,257,650
						\$4,537	\$56,698	\$2,560,125

Montana-Dakota Utilities Company

\$62.30	\$81.75	\$101.20	\$49	\$938	\$11,856	\$1,538	\$19,686	\$1,179,066
			\$110	\$1,156	\$13,044	\$2,132	\$27,606	\$1,575,066
						\$2,924	\$37,506	\$1,872,066

PacifiCorp

\$45.94	\$74.73	\$103.52	\$53	\$1,083	\$14,028	\$1,872	\$27,358	\$1,324,200
			\$137	\$1,222	\$15,069	\$2,392	\$33,349	\$1,624,081
						\$3,086	\$40,838	\$1,848,991



Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Annualized Rates in effect July 1, 2020

The data below is presented in this format for each company:

Class of Service:	res	res	res	com	com	com	ind	ind	ind
Demand (kW):					40	500	75	1,000	50,000
low load factor(kWh):	500	750	1,000	375	10,000	150,000	15,000	200,000	15,000,000
mid load factor:				1,500	14,000	180,000	30,000	400,000	25,000,000
high load factor:							50,000	650,000	32,500,000

#### Average for:

#### Wyoming

\$63.93	\$90.87	\$117.81	\$58	\$1,228	\$15,654	\$2,007	\$26,853	\$1,409,382
			\$161	\$1,473	\$17,124	\$2,840	\$36,412	\$1,869,677
						\$3,985	\$48,360	\$2,175,968

#### Average for:

#### Mountain

\$86.59	\$126.55	\$166.82	\$84	\$1,727	\$21,562	\$2,735	\$34,189	\$1,902,742
			\$257	\$2,140	\$24,054	\$4,091	\$49,617	\$2,611,124
						\$5,853	\$68,548	\$3,133,615

#### Pacific

#### California

##### Pacific Gas & Electric Company

\$122.32	\$192.72	\$263.11	\$104	\$2,504	\$35,366	\$3,949	\$57,560	\$2,492,324
			\$386	\$3,167	\$38,817	\$6,434	\$79,308	\$3,436,651
						\$9,748	\$106,493	\$4,144,897

##### PacifiCorp

\$74.87	\$111.50	\$149.85	\$69	\$1,365	\$16,359	\$2,132	\$24,052	\$1,556,907
			\$235	\$1,809	\$18,647	\$3,798	\$39,150	\$2,311,797
						\$6,019	\$58,022	\$2,877,964

##### Southern California Edison

\$124.31	\$207.86	\$291.42	\$66	\$2,052	\$27,737	\$3,376	\$46,760	\$2,697,301
			\$264	\$2,432	\$30,210	\$4,798	\$63,082	\$3,503,665
						\$6,695	\$83,485	\$4,108,439

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Annualized Rates in effect July 1, 2020

The data below is presented in this format for each company:

Class of Service:	res	res	res	com	com	com	ind	ind	ind
Demand (kW):					40	500	75	1,000	50,000
low load factor(kWh):	500	750	1,000	375	10,000	150,000	15,000	200,000	15,000,000
mid load factor:				1,500	14,000	180,000	30,000	400,000	25,000,000
high load factor:							50,000	650,000	32,500,000

#### Average for:

#### California

\$107.17	\$170.69	\$234.80	\$80	\$1,974	\$26,487	\$3,152	\$42,791	\$2,248,844
			\$295	\$2,469	\$29,225	\$5,010	\$60,513	\$3,084,038
						\$7,487	\$82,667	\$3,710,433

#### Oregon

##### Idaho Power Company

\$50.84	\$74.32	\$97.79	\$41	\$848	\$11,890	\$1,350	\$17,223	
			\$148	\$1,088	\$13,685	\$2,248	\$27,405	
						\$3,444	\$40,134	

##### PacifiCorp

\$56.85	\$80.02	\$103.19	\$57	\$1,017	\$13,466	\$1,620	\$19,662	\$1,177,908
			\$173	\$1,303	\$15,146	\$2,675	\$29,389	\$1,625,317
						\$4,070	\$42,636	\$1,960,873

##### Portland General Electric Company

\$69.46	\$98.20	\$126.91	\$63			\$1,665	\$18,701	\$1,013,322
			\$189			\$2,755	\$31,324	\$1,574,612
						\$4,227	\$47,295	\$1,995,580

#### Average for:

#### Oregon

\$59.05	\$84.18	\$109.30	\$53	\$933	\$12,678	\$1,545	\$18,528	\$1,095,615
			\$170	\$1,195	\$14,415	\$2,559	\$29,373	\$1,599,964
						\$3,914	\$43,355	\$1,978,226

#### Washington

##### Avista Corp.

\$580.86	\$817.29	\$1,085.50	\$784	\$15,983	\$185,142	\$22,774	\$274,056	\$13,514,784
			\$2,417	\$19,736	\$213,290	\$36,848	\$447,438	\$18,259,584
						\$55,614	\$658,218	\$21,818,184

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Annualized Rates in effect July 1, 2020

The data below is presented in this format for each company:									
Class of Service:	res	res	res	com	com	com	ind	ind	ind
Demand (kW):					40	500	75	1,000	50,000
low load factor(kWh):	500	750	1,000	375	10,000	150,000	15,000	200,000	15,000,000
mid load factor:				1,500	14,000	180,000	30,000	400,000	25,000,000
high load factor:							50,000	650,000	32,500,000

#### PacifiCorp

\$37.14	\$57.30	\$81.36	\$51	\$882	\$11,481	\$1,363	\$20,007	\$1,134,657
			\$154	\$1,131	\$12,980	\$2,296	\$29,719	\$1,616,357
						\$3,541	\$41,859	\$1,977,632

#### Puget Sound Energy

\$50.77	\$75.25	\$101.63	\$46	\$995	\$14,493	\$1,615	\$22,674	\$1,146,906
			\$155	\$1,383	\$16,355	\$2,756	\$34,034	\$1,696,606
						\$4,129	\$49,432	\$2,108,881

#### Average for: Washington

\$222.92	\$316.61	\$422.83	\$294	\$5,953	\$70,372	\$8,584	\$105,579	\$5,265,449
			\$909	\$7,417	\$80,875	\$13,967	\$170,397	\$7,190,849
						\$21,095	\$249,836	\$8,634,899

#### Average for:

#### Pacific

\$129.71	\$190.50	\$255.64	\$142	\$3,206	\$39,492	\$4,427	\$55,633	\$3,091,764
			\$458	\$4,006	\$44,891	\$7,179	\$86,761	\$4,253,074
						\$10,832	\$125,286	\$5,124,056

## Hawaii

### Hawaii

#### Hawaii Electric Light Company

\$154.68	\$230.64	\$306.64	\$176	\$2,985	\$43,255	\$4,635	\$66,246	\$4,237,243
			\$525	\$3,923	\$49,066	\$8,151	\$104,990	\$6,174,477
						\$12,839	\$153,421	\$7,627,403

#### Hawaiian Electric Company

\$137.84	\$202.44	\$267.04	\$153	\$2,544	\$38,512	\$3,950	\$59,920	\$3,773,262
			\$421	\$3,304	\$43,407	\$6,803	\$92,553	\$5,404,912
						\$10,608	\$133,344	\$6,628,650

Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### Annualized Rates in effect July 1, 2020

The data below is presented in this format for each company:									
Class of Service:	res	res	res	com	com	com	ind	ind	ind
Demand (kW):					40	500	75	1,000	50,000
low load factor(kWh):	500	750	1,000	375	10,000	150,000	15,000	200,000	15,000,000
mid load factor:				1,500	14,000	180,000	30,000	400,000	25,000,000
high load factor:							50,000	650,000	32,500,000

#### Maui Electric Company (Lanai)

\$166.81	\$246.99	\$328.92	\$174	\$3,699	\$56,424	\$5,691	\$83,328	\$5,571,882
			\$542	\$4,928	\$65,066	\$10,301	\$140,943	\$8,452,662
						\$16,448	\$212,963	\$10,613,247

#### Maui Electric Company (Maui)

\$154.77	\$229.77	\$304.76	\$160	\$3,100	\$46,817	\$4,793	\$70,503	\$4,606,307
			\$491	\$4,090	\$53,529	\$8,505	\$115,243	\$6,843,337
						\$13,455	\$171,169	\$8,521,110

#### Maui Electric Company (Molokai)

\$146.53	\$216.76	\$289.86	\$167	\$3,037	\$36,493	\$4,711	\$54,465	\$3,578,816
			\$534	\$4,013	\$41,836	\$8,370	\$90,083	\$5,359,718
						\$13,248	\$134,606	\$6,695,395

#### Average for:

#### Hawaii

\$152.13	\$225.32	\$299.44	\$166	\$3,073	\$44,300	\$4,756	\$66,892	\$4,353,502
			\$502	\$4,052	\$50,581	\$8,426	\$108,763	\$6,447,021
						\$13,320	\$161,101	\$8,017,161

#### Average for:

#### Hawaii

\$152.13	\$225.32	\$299.44	\$166	\$3,073	\$44,300	\$4,756	\$66,892	\$4,353,502
			\$502	\$4,052	\$50,581	\$8,426	\$108,763	\$6,447,021
						\$13,320	\$161,101	\$8,017,161

#### Average for:

#### USA

\$78.41	\$112.39	\$146.33	\$74	\$1,380	\$17,990	\$2,193	\$27,627	\$1,554,399
			\$221	\$1,737	\$20,192	\$3,413	\$41,346	\$2,150,928
						\$4,946	\$57,563	\$2,579,289



Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Total Retail Average Rates

12 Months Ending 6/30

2019 2020

### New England

#### Connecticut

Connecticut Light & Power Company

generation	10.21	9.33
transmission	2.41	2.44
delivery	7.28	7.77
ctc	-0.02	-0.04
total rate	19.89	19.49

United Illuminating Company

generation	10.01	9.40
transmission	3.04	2.35
delivery	8.25	8.30
ctc	0.60	1.15
total rate	21.91	21.20

#### Average For Connecticut

generation	10.18	9.34
transmission	2.53	2.42
delivery	7.47	7.87
ctc	0.10	0.19
total rate	20.29	19.82

total for all utilities (IOUs, munis, coops, etc.) 18.93

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Total Retail Average Rates

12 Months Ending 6/30

2019 2020

#### Maine

Emera Maine - Bangor Hydro District

generation	7.82	7.08
transmission	3.64	3.40
delivery	4.78	4.61
ctc	0.59	0.20
total rate	16.83	15.29

Emera Maine - Maine Public District

generation	8.12	8.16
transmission	0.93	1.15
delivery	4.12	4.13
ctc	-0.09	-0.05
total rate	13.08	13.38

#### Average For Maine

generation	7.90	7.36
transmission	2.92	2.82
delivery	4.60	4.49
ctc	0.41	0.13
total rate	15.83	14.79

total for all utilities (IOUs, munis, coops, etc.) 13.80

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Total Retail Average Rates

12 Months Ending 6/30

2019 2020

#### Massachusetts

Boston Edison Company

generation	12.46	11.51
transmission	2.45	2.27
delivery	6.71	6.92
ctc	-0.06	-0.03
total rate	21.57	20.67

Cambridge Electric Company

generation	12.02	12.12
transmission	2.19	2.07
delivery	4.58	4.65
ctc	-0.06	-0.03
total rate	18.74	18.80

Commonwealth Electric Company

generation	12.38	11.54
transmission	2.61	2.41
delivery	6.77	7.14
ctc	-0.06	-0.03
total rate	21.71	21.06

Fitchburg Gas & Electric Light Company

generation	11.17	10.63
transmission	2.26	2.11
delivery	8.01	8.56
ctc	-0.12	-0.07
total rate	21.32	21.23

National Grid (Massachusetts Electric Company)

generation	10.92	11.36
transmission	2.75	2.91
delivery	7.29	8.98
ctc	-0.06	-0.10
total rate	20.88	23.15



Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Total Retail Average Rates

		12 Months Ending 6/30	
		2019	2020
Western Massachusetts Electric Company			
	generation	10.64	10.72
	transmission	2.23	2.24
	delivery	6.24	6.17
	ctc	-0.11	-0.03
	total rate	19.00	19.11

### Average For Massachusetts

	generation	11.49	11.35
	transmission	2.49	2.40
	delivery	6.69	7.18
	ctc	-0.07	-0.04
	total rate	20.98	21.23
total for all utilities (IOUs, munis, coops, etc.)		18.47	

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Total Retail Average Rates

12 Months Ending 6/30

2019 2020

#### New Hampshire

Public Service Company of New Hampshire d/b/a Eversource

generation	9.46	8.82
transmission	1.94	2.04
delivery	4.79	5.35
ctc	1.46	1.18
total rate	17.65	17.39

Unitil Energy Systems, Inc.

generation	9.54	8.45
transmission	2.42	2.49
delivery	5.43	5.62
ctc	-0.10	-0.02
total rate	17.31	16.54

#### Average For New Hampshire

generation	9.47	8.76
transmission	2.00	2.10
delivery	4.88	5.39
ctc	1.26	1.02
total rate	17.61	17.27

total for all utilities (IOUs, munis, coops, etc.) 17.19

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Total Retail Average Rates

12 Months Ending 6/30

2019 2020

#### Rhode Island

Narragansett Electric Company

generation	9.55	9.21
transmission	3.02	2.71
delivery	6.92	7.96
ctc	-0.09	-0.11
total rate	19.40	19.78

#### Average For Rhode Island

generation	9.55	9.21
transmission	3.02	2.71
delivery	6.92	7.96
ctc	-0.09	-0.11
total rate	19.40	19.78

total for all utilities (IOUs, munis, coops, etc.) 18.69

#### Average For New England

generation	10.40	9.85
transmission	2.49	2.40
delivery	6.70	7.17
ctc	0.17	0.18
total rate	20.00	19.84

total for all utilities (IOUs, munis, coops, etc.) 17.84

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Total Retail Average Rates

12 Months Ending 6/30

2019 2020

#### Mid-Atlantic

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##### New Jersey

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Jersey Central Power & Light Company

generation	8.27	7.09
transmission	0.73	1.17
delivery	3.76	3.90
ctc	0.09	0.03
total rate	12.85	12.19

Public Service Electric & Gas Company

generation	10.65	10.23
delivery	3.65	4.10
ctc	-0.01	0.00
total rate	14.29	14.34

Rockland Electric Company

total rate	16.03	14.96
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##### Average For New Jersey

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generation	9.87	9.21
transmission	0.73	1.17
delivery	3.68	4.03
ctc	0.02	0.01
total rate	13.86	13.65

total for all utilities (IOUs, munis, coops, etc.) 13.39

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Total Retail Average Rates

		12 Months Ending 6/30	
		2019	2020
<b>New York</b>			
Central Hudson Gas & Electric Corporation			
	total rate	16.16	16.12
Consolidated Edison Company of New York			
	total rate	22.36	22.58
LIPA			
	generation	9.61	9.57
	delivery	9.07	9.74
	total rate	18.68	19.31
National Grid (Niagara Mohawk Power Corporation)			
	total rate	11.41	11.22
New York State Electric & Gas Corporation			
	total rate	11.46	10.75
Orange & Rockland Utilities, Inc.			
	total rate	18.38	56.30
Rochester Gas & Electric Corporation			
	total rate	13.54	12.07
<b>Average For New York</b>			
	generation	9.61	9.57
	delivery	9.07	9.74
	total rate	17.11	18.11
	total for all utilities (IOUs, munis, coops, etc.)	14.58	

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Total Retail Average Rates

		12 Months Ending 6/30	
		2019	2020
<b>Pennsylvania</b>			
<hr/>			
Duquesne Light Company	generation	6.00	5.43
	transmission	1.31	1.39
	delivery	4.13	4.78
	total rate	11.44	11.60
Metropolitan Edison Company	generation	6.41	5.81
	delivery	3.47	3.53
	total rate	9.88	9.34
PECO Energy	generation	6.32	5.86
	transmission	0.55	0.57
	delivery	3.15	3.34
Pennsylvania Electric Company	generation	6.14	5.78
	delivery	4.09	4.04
	ctc	0.28	0.37
	total rate	10.51	10.19
Pennsylvania Power Company	generation	7.10	6.80
	delivery	2.82	2.80
	total rate	9.92	9.60
PPL Utilities Corp.	generation	5.74	5.34
	transmission	1.34	1.90
	delivery	2.98	3.12
	total rate	10.06	10.36
West Penn Power Company	generation	6.12	5.53
	delivery	2.56	3.03
	total rate	8.68	8.56

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Total Retail Average Rates

12 Months Ending 6/30

2019 2020

#### Average For Pennsylvania

generation	6.14	5.67
transmission	0.98	1.21
delivery	3.22	3.44
ctc	0.28	0.37
total rate	10.00	9.95
total for all utilities (IOUs, munis, coops, etc.)	9.91	

#### Average For Mid-Atlantic

generation	8.08	7.62
transmission	0.91	1.20
delivery	3.82	4.15
ctc	0.07	0.08
total rate	13.89	14.22
total for all utilities (IOUs, munis, coops, etc.)	12.48	

#### East North Central

##### Illinois

Ameren Illinois (All Rate Zones)

delivery	3.21	3.47
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Commonwealth Edison Company

generation	6.56	6.58
delivery	5.27	5.47
total rate	11.83	12.05

MidAmerican Energy

total rate	7.72	7.35
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MidAmerican Energy Company (Delivery Service)

delivery	1.83	1.70
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#### Average For Illinois

generation	6.56	6.58
delivery	4.09	4.35
total rate	11.56	11.75
total for all utilities (IOUs, munis, coops, etc.)	9.56	

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Total Retail Average Rates

12 Months Ending 6/30

2019 2020

#### Indiana

AEP (Indiana Michigan Power)			
	total rate	9.62	10.25
Duke Energy Indiana			
	total rate	9.57	9.36
Indianapolis Power & Light Company			
	total rate	10.23	7.95
Northern Indiana Public Service Company			
	total rate	10.12	10.02
Southern Indiana Gas & Electric Company			
	total rate	11.25	11.43

#### Average For Indiana

	total rate	9.91	9.46
	total for all utilities (IOUs, munis, coops, etc.)	9.87	



Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Total Retail Average Rates

12 Months Ending 6/30

2019 2020

#### Michigan

AEP (Indiana Michigan Power combined MI rate areas)			
generation	9.01	8.55	
delivery	2.86	2.86	
total rate	11.87	11.41	
Consumers Energy			
total rate	12.75	12.87	
DTE Electric Company			
total rate	11.16	12.37	
Northern States Power Company (WI)			
total rate	10.37	10.60	
Upper Michigan Energy Resources Corporation (formerly We E			
total rate	8.67	7.18	
Upper Michigan Energy Resources Corporation (formerly Wisc			
total rate	7.98	9.12	

#### Average For Michigan

generation	9.01	8.55	
delivery	2.86	2.86	
total rate	11.80	12.03	
total for all utilities (IOUs, munis, coops, etc.)	11.41		

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Total Retail Average Rates

		12 Months Ending 6/30	
		2019	2020
<b>Ohio</b>			
<hr/>			
AEP (Columbus Southern Power Rate Area)			
	generation	5.55	5.32
	transmission	1.47	1.38
	delivery	3.17	3.18
	total rate	10.19	9.88
AEP (Ohio Power Rate Area)			
	generation	5.89	5.30
	transmission	1.35	1.29
	delivery	2.57	2.65
	total rate	9.81	9.24
Cleveland Electric Illuminating Company			
	generation	5.25	4.91
	transmission	1.22	1.37
	delivery	3.35	2.96
	total rate	9.83	9.24
Dayton Power & Light Company			
	generation	5.21	5.01
	transmission	0.14	0.05
	delivery	3.06	3.39
	total rate	8.41	8.45
Duke Energy Ohio			
	total rate	10.81	10.96
Ohio Edison Company			
	generation	5.45	5.28
	transmission	1.25	1.40
	delivery	3.18	2.87
	total rate	9.89	9.55
Toledo Edison Company			
	generation	5.42	5.26
	transmission	1.12	1.19
	delivery	2.47	2.17
	total rate	9.01	8.62

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Total Retail Average Rates

12 Months Ending 6/30

2019 2020

#### Average For Ohio

generation	5.56	5.22
transmission	1.16	1.19
delivery	2.99	2.89
total rate	9.75	9.40
total for all utilities (IOUs, munis, coops, etc.)	9.75	

#### Wisconsin

Northern States Power Company (WI)		
total rate	10.11	10.26
Northwestern Wisconsin Electric Company		
total rate	11.70	12.03
Superior Water, Light & Power Company		
total rate	7.41	7.29
We Energies (formerly Wisconsin Electric)		
total rate	11.75	12.00
Wisconsin Public Service Corporation		
total rate	8.93	8.13

#### Average For Wisconsin

total rate	10.69	11.48
total for all utilities (IOUs, munis, coops, etc.)	10.77	

#### Average For East North Central

generation	6.22	6.11
transmission	1.16	1.19
delivery	3.38	3.43
total rate	10.66	10.68
total for all utilities (IOUs, munis, coops, etc.)	10.16	

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Total Retail Average Rates

12 Months Ending 6/30

2019 2020

#### West North Central

##### Iowa

Interstate Power & Light

total rate 10.98 12.16

MidAmerican Energy

total rate 7.33 7.18

##### Average For Iowa

total rate 8.70 7.18

total for all utilities (IOUs, munis, coops, etc.) 9.11

##### Kansas

Empire District Electric Company

total rate 10.61 11.19

Kansas City Power & Light Company

total rate 11.90 11.44

Westar Energy-KGE

total rate 9.33 9.43

Westar Energy-KPL

total rate 10.76 10.76

##### Average For Kansas

total rate 10.51 10.44

total for all utilities (IOUs, munis, coops, etc.) 10.45

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Total Retail Average Rates

		12 Months Ending 6/30	
		2019	2020
<b>Minnesota</b>			
<hr/>			
Minnesota Power Company/ Allete	total rate	7.67	7.47
Northern States Power Company (MN)	total rate	10.96	10.75
Otter Tail Power Company	total rate	7.97	8.25
<hr/>			
<b>Average For Minnesota</b>			
	total rate	10.06	10.54
	total for all utilities (IOUs, munis, coops, etc.)	10.55	
<b>Missouri</b>			
<hr/>			
Ameren Missouri	total rate	8.59	8.44
Empire District Electric Company	total rate	11.78	11.51
Kansas City Power & Light - GMO	total rate	9.48	9.71
Kansas City Power & Light Company	total rate	10.92	10.73
<hr/>			
<b>Average For Missouri</b>			
	total rate	9.34	9.23
	total for all utilities (IOUs, munis, coops, etc.)	9.63	

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Total Retail Average Rates

12 Months Ending 6/30

2019 2020

#### North Dakota

Montana-Dakota Utilities Company			
	total rate	9.78	9.50
Northern States Power Company (MN)			
	total rate	9.19	9.03
Otter Tail Power Company			
	total rate	8.18	8.38

#### Average For North Dakota

	total rate	9.10	9.00
	total for all utilities (IOUs, munis, coops, etc.)	9.01	

#### South Dakota

Black Hills Power, Inc. d/b/a Black Hills Energy			
	total rate	12.38	11.94
MidAmerican Energy			
	total rate	6.02	6.28
Montana-Dakota Utilities Company			
	total rate	10.41	10.49
Northern States Power Company (MN)			
	total rate	9.78	9.88
Northwestern Energy			
	total rate	9.24	99.64
Otter Tail Power Company			
	total rate	8.22	8.17

#### Average For South Dakota

	total rate	9.99	34.90
	total for all utilities (IOUs, munis, coops, etc.)	9.94	

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Total Retail Average Rates

12 Months Ending 6/30

2019 2020

#### Average For West North Central

total rate	9.57	10.47
total for all utilities (IOUs, munis, coops, etc.)	9.78	

#### South Atlantic

##### District of Columbia

Potomac Electric Power Company

generation	7.14	6.43
transmission	0.59	0.71
delivery	4.92	5.13
total rate	12.65	12.42

##### Average For District of Columbia

generation	7.14	6.43
transmission	0.59	0.71
delivery	4.92	5.13
total rate	12.65	12.42
total for all utilities (IOUs, munis, coops, etc.)	12.25	

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Total Retail Average Rates

		12 Months Ending 6/30	
		2019	2020
<b>Florida</b>			
Duke Energy Florida			
	total rate	11.71	11.62
Florida Power & Light Company			
	total rate	9.83	9.54
Florida Public Utilities Company			
	total rate	13.05	13.41
Gulf Power Company			
	total rate	10.86	11.37
Tampa Electric Company			
	total rate	9.97	9.72
<b>Average For Florida</b>			
	total rate	10.33	10.13
	total for all utilities (IOUs, munis, coops, etc.)	10.44	
<b>Georgia</b>			
Georgia Power Company			
	total rate	9.36	9.42
<b>Average For Georgia</b>			
	total rate	9.36	9.42
	total for all utilities (IOUs, munis, coops, etc.)	9.54	



Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Total Retail Average Rates

12 Months Ending 6/30

2019 2020

#### Maryland

Baltimore Gas & Electric Company

generation	6.47	5.86
transmission	1.20	0.97
delivery	3.70	3.85
total rate	11.37	10.68

Potomac Edison Company

generation	6.63	6.16
transmission	0.38	0.38
delivery	3.02	3.35
total rate	10.03	9.89

Potomac Electric Power Company

generation	6.80	6.12
transmission	0.87	1.63
delivery	5.57	5.54
total rate	13.24	13.32

#### Average For Maryland

generation	6.59	5.98
transmission	0.98	1.05
delivery	4.11	4.24
total rate	11.72	11.31

total for all utilities (IOUs, munis, coops, etc.) 11.53

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Total Retail Average Rates

12 Months Ending 6/30

2019 2020

#### North Carolina

Dominion Energy North Carolina

total rate 8.27 8.69

Duke Energy Carolinas

total rate 8.23 8.40

Duke Energy Progress, Inc.

total rate 9.62 9.40

#### Average For North Carolina

total rate 8.75 8.51

total for all utilities (IOUs, munis, coops, etc.) 9.38

#### South Carolina

Dominion Energy South Carolina (formerly SCE&G)

total rate 9.92 10.30

Duke Energy Carolinas

total rate 8.20 8.62

Duke Energy Progress, Inc.

total rate 9.17 9.71

#### Average For South Carolina

total rate 9.08 9.59

total for all utilities (IOUs, munis, coops, etc.) 9.51

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Total Retail Average Rates

12 Months Ending 6/30

2019 2020

#### Virginia

AEP (Appalachian Power Rate Area)

generation	5.91	5.72
transmission	1.55	1.56
delivery	1.49	1.61
total rate	8.95	8.89

Dominion Energy Virginia

total rate	8.89	9.36
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Old Dominion Power Company

total rate	10.07	10.28
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#### Average For Virginia

generation	5.91	5.72
transmission	1.55	1.56
delivery	1.49	1.61
total rate	8.91	9.29

total for all utilities (IOUs, munis, coops, etc.) 9.53

#### West Virginia

AEP (Appalachian Power Rate Area)

total rate	9.07	9.54
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AEP (Wheeling Power Rate Area)

total rate	6.46	6.50
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Monongahela Power Company

total rate	8.36	8.07
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Potomac Edison Company

total rate	9.61	9.31
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#### Average For West Virginia

total rate	8.53	8.56
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total for all utilities (IOUs, munis, coops, etc.) 8.44

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Total Retail Average Rates

		12 Months Ending 6/30	
		2019	2020
<b>Average For South Atlantic</b>			
	generation	6.38	5.92
	transmission	1.16	1.21
	delivery	3.70	3.83
	total rate	9.57	9.63
	total for all utilities (IOUs, munis, coops, etc.)	9.93	
<b>East South Central</b>			
<b>Alabama</b>			
Alabama Power Company			
	total rate	9.75	10.20
<b>Average For Alabama</b>			
	total rate	9.75	10.20
	total for all utilities (IOUs, munis, coops, etc.)	9.73	
<b>Kentucky</b>			
AEP (Kentucky Power Rate Area)			
	total rate	9.73	9.64
Duke Energy Kentucky			
	total rate	8.81	8.58
Kentucky Utilities Company			
	total rate	8.40	9.07
Louisville Gas & Electric Company			
	total rate	9.31	9.81
<b>Average For Kentucky</b>			
	total rate	8.91	9.33
	total for all utilities (IOUs, munis, coops, etc.)	8.49	

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Total Retail Average Rates

12 Months Ending 6/30

2019 2020

#### Mississippi

Entergy Mississippi, Inc.

total rate 8.86 9.23

Mississippi Power Company

total rate 9.40 9.04

#### Average For Mississippi

total rate 9.09 9.15

total for all utilities (IOUs, munis, coops, etc.) 9.22

#### Tennessee

AEP (Kingsport Power Rate Area)

total rate 7.83 8.32

#### Average For Tennessee

total rate 7.83 8.32

total for all utilities (IOUs, munis, coops, etc.) 9.69

#### Average For East South Central

total rate 9.31 9.68

total for all utilities (IOUs, munis, coops, etc.) 9.34

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Total Retail Average Rates

12 Months Ending 6/30

2019 2020

#### West South Central

##### Arkansas

Empire District Electric Company			
	total rate	9.24	9.30
Entergy Arkansas, Inc.			
	total rate	7.73	8.53
OG&E Electric Services			
	total rate	6.54	6.74
Southwestern Electric Power Company			
	total rate	7.40	7.30

##### Average For Arkansas

	total rate	7.59	8.22
total for all utilities (IOUs, munis, coops, etc.)		7.83	

##### Louisiana

CLECO Power LLC			
	total rate	10.29	10.33
Entergy Louisiana, Inc.			
	total rate	6.62	6.57
Entergy Louisiana, LLC (formerly Entergy Gulf States, Inc.)			
	total rate	6.55	6.39
Entergy New Orleans, Inc.			
	total rate	9.33	8.74
Southwestern Electric Power Company			
	total rate	9.63	9.42

##### Average For Louisiana

	total rate	7.47	7.33
total for all utilities (IOUs, munis, coops, etc.)		7.68	

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Total Retail Average Rates

12 Months Ending 6/30

2019 2020

#### Oklahoma

Empire District Electric Company

total rate 9.17 8.72

OG&E Electric Services

total rate 7.21 7.08

Public Service Company of Oklahoma

total rate 7.59 7.22

total rate 7.59 7.22

#### Average For Oklahoma

total rate 7.44 7.17

total for all utilities (IOUs, munis, coops, etc.) 7.87

#### Texas

El Paso Electric Company

total rate 9.31 9.45

Entergy Texas

total rate 7.12 6.94

Southwestern Electric Power Company

total rate 8.04 8.12

Southwestern Public Service

total rate 5.98 5.29

#### Average For Texas

total rate 7.21 6.97

total for all utilities (IOUs, munis, coops, etc.) 8.53

#### Average For West South Central

total rate 7.42 7.32

total for all utilities (IOUs, munis, coops, etc.) 8.28

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Total Retail Average Rates

12 Months Ending 6/30

2019 2020

#### Mountain

##### Arizona

Arizona Public Service Company			
	total rate	12.32	11.59
Tucson Electric Power Company			
	total rate	11.75	11.90
Unisource Electric Company			
	total rate	10.14	10.15

##### Average For Arizona

	total rate	12.09	11.60
	total for all utilities (IOUs, munis, coops, etc.)	10.79	

##### Colorado

Black Hills/Colorado Electric			
	total rate	12.41	12.14
Public Service Company of Colorado			
	total rate	9.36	9.25

##### Average For Colorado

	total rate	9.56	9.44
	total for all utilities (IOUs, munis, coops, etc.)	10.07	



Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Total Retail Average Rates

		12 Months Ending 6/30	
		2019	2020
<b>Idaho</b>			
Avista Corp.			
	total rate	8.12	7.64
Idaho Power Company			
	total rate	7.91	7.72
PacifiCorp			
	total rate	7.74	7.73
<b>Average For Idaho</b>			
	total rate	7.91	7.71
	total for all utilities (IOUs, munis, coops, etc.)	8.02	

### Montana

Black Hills Power, Inc. d/b/a Black Hills Energy			
	total rate	6.91	6.76
Montana-Dakota Utilites Company			
	total rate	8.01	8.96
NorthWestern Energy (formerly Montana Power)			
	generation	6.22	6.48
	transmission	0.73	0.73
	delivery	2.51	2.63
	ctc	0.31	0.33
	total rate	9.78	10.16
<b>Average For Montana</b>			
	generation	6.22	6.48
	transmission	0.73	0.73
	delivery	2.51	2.63
	ctc	0.31	0.33
	total rate	9.53	9.95
	total for all utilities (IOUs, munis, coops, etc.)	9.04	

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Total Retail Average Rates

12 Months Ending 6/30

2019 2020

#### Nevada

Nevada Power Company - NV Energy

total rate 10.19 10.31

Sierra Pacific Power Company - NV Energy

total rate 8.18 7.87

#### Average For Nevada

total rate 9.58 9.54

total for all utilities (IOUs, munis, coops, etc.) 8.58

#### New Mexico

El Paso Electric Company

total rate 9.91 9.47

Southwestern Public Service

total rate 6.44 6.00

#### Average For New Mexico

total rate 7.14 6.66

total for all utilities (IOUs, munis, coops, etc.) 9.25

#### Utah

PacifiCorp

total rate 8.04 8.09

#### Average For Utah

total rate 8.04 8.09

total for all utilities (IOUs, munis, coops, etc.) 8.22

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Total Retail Average Rates

12 Months Ending 6/30

2019 2020

#### Wyoming

Black Hills Power, Inc. d/b/a Black Hills Energy		
total rate	9.79	9.68
Cheyenne Light, Fuel & Power d/b/a Black Hills Energy		
total rate	9.63	9.67
Montana-Dakota Utilities Company		
total rate	9.74	9.09
PacifiCorp		
total rate	6.98	7.16

#### Average For Wyoming

total rate	7.47	7.64
total for all utilities (IOUs, munis, coops, etc.)	8.03	

#### Average For Mountain

generation	6.22	6.48
transmission	0.73	0.73
delivery	2.51	2.63
ctc	0.31	0.33
total rate	9.45	9.30
total for all utilities (IOUs, munis, coops, etc.)	9.45	

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Total Retail Average Rates

12 Months Ending 6/30

2019 2020

#### Pacific

##### California

Pacific Gas & Electric Company

total rate 15.74 15.96

PacifiCorp

total rate 13.71 12.66

Southern California Edison

generation 7.57 8.52

transmission 1.18 1.20

delivery 4.72 4.28

total rate 15.25 15.90

##### Average For California

generation 7.57 8.52

transmission 1.18 1.20

delivery 4.72 4.28

total rate 15.49 15.91

total for all utilities (IOUs, munis, coops, etc.) 16.78

##### Oregon

Idaho Power Company

total rate 7.74 7.74

PacifiCorp

total rate 9.55 9.34

##### Average For Oregon

total rate 9.46 9.26

total for all utilities (IOUs, munis, coops, etc.) 8.97

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Total Retail Average Rates

12 Months Ending 6/30

2019 2020

#### Washington

Avista Corp.

total rate 9.30 9.40

PacifiCorp

total rate 8.17 7.93

Puget Sound Energy

total rate 10.22 10.08

#### Average For Washington

total rate 9.77 9.66

total for all utilities (IOUs, munis, coops, etc.) 8.01

#### Average For Pacific

generation 7.57 8.52

transmission 1.18 1.20

delivery 4.72 4.28

total rate 14.20 14.47

total for all utilities (IOUs, munis, coops, etc.) 14.22

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Total Retail Average Rates

12 Months Ending 6/30

2019 2020

#### Hawaii

##### Hawaii

Hawaii Electric Light Company	total rate	35.43	34.09
Hawaiian Electric Company	total rate	28.05	26.69
Maui Electric Company (Lanai)	total rate	41.75	41.09
Maui Electric Company (Maui)	total rate	33.86	32.72
Maui Electric Company (Molokai)	total rate	40.60	38.43

##### Average For Hawaii

total rate	29.74	28.38
total for all utilities (IOUs, munis, coops, etc.)	29.77	

#### Average For USA

generation	7.62	7.53
transmission	1.41	1.43
delivery	4.12	4.25
ctc	0.13	0.13
total rate	10.66	10.79
total for all utilities (IOUs, munis, coops, etc.)	10.92	



Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Residential Average Rates

12 Months Ending 6/30

2019 2020

#### New England

##### Connecticut

Connecticut Light & Power Company

generation	9.24	8.90
transmission	2.76	2.74
delivery	9.26	9.92
ctc	-0.02	-0.04
total rate	21.25	21.53

United Illuminating Company

generation	10.06	9.45
transmission	3.44	2.68
delivery	11.79	2.68
ctc	1.03	1.15
total rate	26.32	25.09

##### Average For Connecticut

generation	9.37	8.99
transmission	2.88	2.73
delivery	9.71	8.64
ctc	0.17	0.17
total rate	22.13	22.15

total for all utilities (IOUs, munis, coops, etc.)	21.92	
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Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Residential Average Rates

		12 Months Ending 6/30	
		2019	2020
<b>Maine</b>			
<hr/>			
Emera Maine - Bangor Hydro District			
	generation	7.78	7.62
	transmission	3.61	3.39
	delivery	6.53	6.45
	ctc	0.61	0.21
	total rate	18.53	17.67
Emera Maine - Maine Public District			
	generation	7.95	7.57
	transmission	0.95	1.20
	delivery	6.34	6.27
	ctc	-0.11	-0.07
	total rate	15.13	14.97
<hr/>			
<b>Average For Maine</b>			
	generation	7.82	7.60
	transmission	2.98	2.89
	delivery	6.49	6.41
	ctc	0.44	0.14
	total rate	17.74	17.05
	total for all utilities (IOUs, munis, coops, etc.)	17.36	

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Residential Average Rates

		12 Months Ending 6/30	
		2019	2020
<b>Massachusetts</b>			
<hr/>			
Boston Edison Company			
	generation	12.37	11.69
	transmission	2.85	2.63
	delivery	8.49	8.76
	ctc	-0.06	-0.03
	total rate	23.65	23.06
Cambridge Electric Company			
	generation	12.40	11.53
	transmission	2.84	2.64
	delivery	9.31	9.52
	ctc	-0.06	-0.03
	total rate	24.49	23.66
Commonwealth Electric Company			
	generation	12.37	11.66
	transmission	2.86	2.63
	delivery	8.51	8.91
	ctc	-0.06	-0.03
	total rate	23.68	23.17
Fitchburg Gas & Electric Light Company			
	generation	11.56	10.96
	transmission	2.68	2.48
	delivery	11.60	12.47
	ctc	-0.12	-0.07
	total rate	25.71	25.84
National Grid (Massachusetts Electric Company)			
	generation	11.87	11.76
	transmission	3.19	3.15
	delivery	8.37	9.65
	ctc	-0.07	-0.10
	total rate	23.36	24.45
Western Massachusetts Electric Company			
	generation	10.47	10.73
	transmission	2.55	2.54
	delivery	7.75	7.63
	ctc	-0.11	-0.03
	total rate	20.66	20.88

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Residential Average Rates

		12 Months Ending 6/30	
		2019	2020
<b>Average For Massachusetts</b>			
	generation	11.88	11.59
	transmission	2.93	2.79
	delivery	8.42	9.00
	ctc	-0.07	-0.05
	total rate	23.22	23.41
	total for all utilities (IOUs, munis, coops, etc.)	21.78	
<b>New Hampshire</b>			
Public Service Company of New Hampshire d/b/a Eversource Energy			
	generation	9.39	8.80
	transmission	2.09	2.19
	delivery	6.38	7.04
	ctc	1.81	1.44
	total rate	19.67	19.48
Unitil Energy Systems, Inc.			
	generation	9.90	8.97
	transmission	2.42	2.49
	delivery	6.54	6.75
	ctc	-0.09	-0.02
	total rate	18.77	18.18
<b>Average For New Hampshire</b>			
	generation	9.47	8.83
	transmission	2.14	2.23
	delivery	6.40	7.00
	ctc	1.55	1.24
	total rate	19.54	19.30
	total for all utilities (IOUs, munis, coops, etc.)	19.97	

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Residential Average Rates

12 Months Ending 6/30

2019 2020

#### Rhode Island

Narragansett Electric Company

generation	9.59	9.61
transmission	3.21	2.87
delivery	7.53	8.41
ctc	-0.09	-0.11
total rate	20.24	20.77

#### Average For Rhode Island

generation	9.59	9.61
transmission	3.21	2.87
delivery	7.53	8.41
ctc	-0.09	-0.11
total rate	20.24	20.77

total for all utilities (IOUs, munis, coops, etc.) 21.32

#### Average For New England

generation	10.25	9.87
transmission	2.84	2.71
delivery	8.56	8.51
ctc	0.23	0.19
total rate	21.92	21.97

total for all utilities (IOUs, munis, coops, etc.) 20.98

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Residential Average Rates

12 Months Ending 6/30

2019 2020

#### Mid-Atlantic

##### New Jersey

Jersey Central Power & Light Company

generation	8.44	7.17
transmission	0.75	1.20
delivery	4.25	4.36
ctc	0.10	0.03
total rate	13.54	12.76

Public Service Electric & Gas Company

generation	11.41	11.26
delivery	4.74	5.24
ctc	-0.01	0.00
total rate	16.14	16.50

Rockland Electric Company

total rate	16.68	15.55
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##### Average For New Jersey

generation	10.25	9.65
transmission	0.75	1.20
delivery	4.54	4.88
ctc	0.03	0.01
total rate	15.15	15.02

total for all utilities (IOUs, munis, coops, etc.) 15.66

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Residential Average Rates

		12 Months Ending 6/30	
		2019	2020
<b>New York</b>			
<hr/>			
Central Hudson Gas & Electric Corporation			
	total rate	17.72	17.40
Consolidated Edison Company of New York			
	total rate	25.74	25.83
LIPA			
	generation	10.03	9.94
	delivery	10.24	11.10
	total rate	20.27	21.04
National Grid (Niagara Mohawk Power Corporation)			
	total rate	12.37	12.80
New York State Electric & Gas Corporation			
	total rate	11.84	11.19
Orange & Rockland Utilities, Inc.			
	total rate	20.57	56.40
Rochester Gas & Electric Corporation			
	total rate	13.80	12.44
<hr/>			
<b>Average For New York</b>			
	generation	10.03	9.94
	delivery	10.24	11.10
	total rate	19.50	19.22
	total for all utilities (IOUs, munis, coops, etc.)	18.22	

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Residential Average Rates

		12 Months Ending 6/30	
		2019	2020
<b>Pennsylvania</b>			
<hr/>			
Duquesne Light Company			
	generation	6.09	5.69
	transmission	1.42	1.46
	delivery	7.73	8.89
	total rate	15.25	16.05
Metropolitan Edison Company			
	generation	6.38	5.83
	delivery	6.42	6.49
	total rate	12.80	12.32
PECO Energy			
	generation	6.44	6.10
	transmission	0.56	0.59
	delivery	5.72	5.78
	total rate	12.72	12.46
Pennsylvania Electric Company			
	generation	6.10	5.74
	delivery	8.59	8.54
	ctc	0.27	0.35
	total rate	14.96	14.63
Pennsylvania Power Company			
	generation	6.97	6.66
	delivery	6.03	5.98
	total rate	13.00	12.64
PPL Utilities Corp.			
	generation	5.89	5.55
	transmission	1.34	2.06
	delivery	5.75	5.87
	total rate	12.98	13.48
West Penn Power Company			
	generation	6.18	5.59
	delivery	4.92	5.62
	total rate	11.10	11.21

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Residential Average Rates

		12 Months Ending 6/30	
		2019	2020
<b>Average For Pennsylvania</b>			
	generation	6.22	5.81
	transmission	1.00	1.30
	delivery	6.11	6.35
	ctc	0.27	0.35
	total rate	12.98	13.03
total for all utilities (IOUs, munis, coops, etc.)		13.75	
<b>Average For Mid-Atlantic</b>			
	generation	8.08	7.59
	transmission	0.93	1.27
	delivery	6.13	6.47
	ctc	0.07	0.06
	total rate	15.69	15.84
total for all utilities (IOUs, munis, coops, etc.)		15.86	
<b>East North Central</b>			
<b>Illinois</b>			
Ameren Illinois (All Rate Zones)			
	generation	4.55	4.39
	delivery	5.46	5.83
	total rate	10.01	10.22
Commonwealth Edison Company			
	generation	6.81	6.90
	delivery	6.18	6.31
	total rate	12.99	13.21
MidAmerican Energy			
	total rate	10.15	9.74
MidAmerican Energy Company (Delivery Service)			
	delivery	4.62	4.77
<b>Average For Illinois</b>			
	generation	6.33	6.37
	delivery	5.89	6.12
	total rate	11.97	12.19
total for all utilities (IOUs, munis, coops, etc.)		12.83	



Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Residential Average Rates

		12 Months Ending 6/30	
		2019	2020
<b>Indiana</b>			
<hr/>			
AEP (Indiana Michigan Power)	total rate	13.35	13.91
Duke Energy Indiana	total rate	11.73	11.44
Indianapolis Power & Light Company	total rate	11.33	11.20
Northern Indiana Public Service Company	total rate	14.35	14.67
Southern Indiana Gas & Electric Company	total rate	15.14	15.44
<hr/>			
<b>Average For Indiana</b>			
	total rate	12.52	12.55
	total for all utilities (IOUs, munis, coops, etc.)	12.42	

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Residential Average Rates

		12 Months Ending 6/30	
		2019	2020
<b>Michigan</b>			
<hr/>			
AEP (Indiana Michigan Power combined MI rate areas)			
	generation	9.39	9.83
	delivery	4.04	4.03
	total rate	13.43	13.86
Consumers Energy			
	total rate	15.82	15.84
DTE Electric Company			
	total rate	15.30	16.92
Northern States Power Company (WI)			
	total rate	12.15	12.27
Upper Michigan Energy Resources Corporation (formerly We Energies)			
	total rate	14.16	14.00
Upper Michigan Energy Resources Corporation (formerly Wisconsin Public Service Cor			
	total rate	12.46	13.30
<hr/>			
<b>Average For Michigan</b>			
	generation	9.39	9.83
	delivery	4.04	4.03
	total rate	15.42	16.04
	total for all utilities (IOUs, munis, coops, etc.)	15.37	

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Residential Average Rates

		12 Months Ending 6/30	
		2019	2020
<b>Ohio</b>			
<hr/>			
AEP (Columbus Southern Power Rate Area)			
	generation	5.54	5.36
	transmission	1.93	1.84
	delivery	5.02	4.98
	total rate	12.49	12.19
AEP (Ohio Power Rate Area)			
	generation	5.87	5.34
	transmission	1.93	1.84
	delivery	4.95	4.90
	total rate	12.75	12.08
Cleveland Electric Illuminating Company			
	generation	5.61	5.40
	transmission	1.38	1.52
	delivery	5.33	4.73
	total rate	12.31	11.66
Dayton Power & Light Company			
	generation	5.18	4.97
	transmission	0.28	0.09
	delivery	4.81	5.01
	total rate	10.27	10.08
Duke Energy Ohio			
	total rate	11.12	11.16
Ohio Edison Company			
	generation	5.40	5.23
	transmission	1.42	1.54
	delivery	4.95	4.54
	total rate	11.78	11.31
Toledo Edison Company			
	generation	5.37	5.19
	transmission	1.35	1.48
	delivery	5.74	5.33
	total rate	12.47	12.00

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Residential Average Rates

		12 Months Ending 6/30	
		2019	2020
<b>Average For Ohio</b>			
	generation	5.54	5.27
	transmission	1.44	1.44
	delivery	5.05	4.85
	total rate	11.94	11.54
	total for all utilities (IOUs, munis, coops, etc.)	12.41	
<b>Wisconsin</b>			
Northern States Power Company (WI)			
	total rate	13.15	13.39
Northwestern Wisconsin Electric Company			
	total rate	12.86	13.11
Superior Water, Light & Power Company			
	total rate	11.96	12.24
We Energies (formerly Wisconsin Electric)			
	total rate	15.28	15.54
Wisconsin Public Service Corporation			
	total rate	12.91	12.82
<b>Average For Wisconsin</b>			
	total rate	14.41	15.09
	total for all utilities (IOUs, munis, coops, etc.)	14.30	
<b>Average For East North Central</b>			
	generation	6.08	6.01
	transmission	1.44	1.44
	delivery	5.39	5.40
	total rate	13.15	13.34
	total for all utilities (IOUs, munis, coops, etc.)	13.27	

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Residential Average Rates

12 Months Ending 6/30

2019 2020

#### West North Central

##### Iowa

Interstate Power & Light

total rate 16.13 17.33

MidAmerican Energy

total rate 10.42 10.19

##### Average For Iowa

total rate 12.59 10.20

total for all utilities (IOUs, munis, coops, etc.) 12.60

##### Kansas

Empire District Electric Company

total rate 11.20 12.05

Kansas City Power & Light Company

total rate 13.44 12.91

Westar Energy-KGE

total rate 12.24 12.07

Westar Energy-KPL

total rate 13.25 13.00

##### Average For Kansas

total rate 12.96 12.66

total for all utilities (IOUs, munis, coops, etc.) 13.00

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Residential Average Rates

		12 Months Ending 6/30	
		2019	2020
<b>Minnesota</b>			
<hr/>			
Minnesota Power Company/ Allele	total rate	11.32	10.70
Northern States Power Company (MN)	total rate	14.13	13.53
Otter Tail Power Company	total rate	10.74	10.74
<hr/>			
<b>Average For Minnesota</b>			
	total rate	13.65	13.36
	total for all utilities (IOUs, munis, coops, etc.)	13.33	
 <b>Missouri</b>			
<hr/>			
Ameren Missouri	total rate	10.08	10.02
Empire District Electric Company	total rate	13.77	13.50
Kansas City Power & Light - GMO	total rate	11.06	11.49
Kansas City Power & Light Company	total rate	13.38	13.34
<hr/>			
<b>Average For Missouri</b>			
	total rate	10.94	10.94
	total for all utilities (IOUs, munis, coops, etc.)	11.03	

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Residential Average Rates

12 Months Ending 6/30

2019 2020

#### North Dakota

Montana-Dakota Utilities Company

total rate 10.71 10.44

Northern States Power Company (MN)

total rate 10.27 10.08

Otter Tail Power Company

total rate 9.06 9.55

#### Average For North Dakota

total rate 10.08 10.06

total for all utilities (IOUs, munis, coops, etc.) 10.35

#### South Dakota

Black Hills Power, Inc. d/b/a Black Hills Energy

total rate 13.54 13.30

MidAmerican Energy

total rate 7.77 8.10

Montana-Dakota Utilities Company

total rate 11.10 11.26

Northern States Power Company (MN)

total rate 11.57 11.73

Northwestern Energy

total rate 10.44 11.27

Otter Tail Power Company

total rate 9.96 10.37

#### Average For South Dakota

total rate 11.54 11.81

total for all utilities (IOUs, munis, coops, etc.) 11.59

#### Average For West North Central

total rate 12.06 11.62

total for all utilities (IOUs, munis, coops, etc.) 11.95

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Residential Average Rates

12 Months Ending 6/30

2019 2020

#### South Atlantic

##### District of Columbia

Potomac Electric Power Company

generation	7.21	6.37
transmission	0.55	0.74
delivery	4.53	4.74
total rate	12.29	11.85

##### Average For District of Columbia

generation	7.21	6.37
transmission	0.55	0.74
delivery	4.53	4.74
total rate	12.29	11.85

total for all utilities (IOUs, munis, coops, etc.) 13.05

##### Florida

Duke Energy Florida

total rate	13.50	13.51
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Florida Power & Light Company

total rate	10.94	10.64
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Florida Public Utilities Company

total rate	14.21	15.07
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Gulf Power Company

total rate	12.92	13.34
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Tampa Electric Company

total rate	11.10	10.73
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##### Average For Florida

total rate	11.64	11.42
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total for all utilities (IOUs, munis, coops, etc.) 11.68



Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Residential Average Rates

		12 Months Ending 6/30	
		2019	2020
<b>Georgia</b>			
<hr/>			
Georgia Power Company			
	total rate	12.14	12.13
<hr/>			
<b>Average For Georgia</b>			
	total rate	12.14	12.13
	total for all utilities (IOUs, munis, coops, etc.)	11.49	
<b>Maryland</b>			
<hr/>			
Baltimore Gas & Electric Company			
	generation	6.60	6.00
	transmission	1.27	1.01
	delivery	4.68	4.86
	total rate	12.55	11.88
Potomac Edison Company			
	generation	6.54	6.09
	transmission	0.40	0.40
	delivery	3.72	4.01
	total rate	10.66	10.50
Potomac Electric Power Company			
	generation	6.88	6.26
	transmission	0.92	1.80
	delivery	7.04	7.18
	total rate	14.84	15.24
<hr/>			
<b>Average For Maryland</b>			
	generation	6.67	6.09
	transmission	1.03	1.12
	delivery	5.15	5.34
	total rate	12.86	12.56
	total for all utilities (IOUs, munis, coops, etc.)	13.37	

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Residential Average Rates

		12 Months Ending 6/30	
		2019	2020
<b>North Carolina</b>			
<hr/>			
Dominion Energy North Carolina	total rate	10.79	11.14
Duke Energy Carolinas	total rate	10.24	10.45
Duke Energy Progress, Inc.	total rate	11.63	12.43
<hr/>			
<b>Average For North Carolina</b>			
	total rate	10.82	10.66
	total for all utilities (IOUs, munis, coops, etc.)	11.37	
<b>South Carolina</b>			
<hr/>			
Dominion Energy South Carolina (formerly SCE&G)	total rate	12.65	12.97
Duke Energy Carolinas	total rate	11.04	11.64
Duke Energy Progress, Inc.	total rate	12.13	11.70
<hr/>			
<b>Average For South Carolina</b>			
	total rate	11.95	12.03
	total for all utilities (IOUs, munis, coops, etc.)	12.29	

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Residential Average Rates

		12 Months Ending 6/30	
		2019	2020
<b>Virginia</b>			
<hr/>			
AEP (Appalachian Power Rate Area)			
	generation	6.72	6.46
	transmission	1.99	1.99
	delivery	2.25	2.39
	total rate	10.96	10.84
Dominion Energy Virginia			
	total rate	11.33	11.89
Old Dominion Power Company			
	total rate	10.69	10.72
<hr/>			
<b>Average For Virginia</b>			
	generation	6.72	6.46
	transmission	1.99	1.99
	delivery	2.25	2.39
	total rate	11.26	11.70
	total for all utilities (IOUs, munis, coops, etc.)	11.88	
<hr/>			
<b>West Virginia</b>			
<hr/>			
AEP (Appalachian Power Rate Area)			
	total rate	11.27	12.25
AEP (Wheeling Power Rate Area)			
	total rate	11.70	12.70
Monongahela Power Company			
	total rate	10.92	10.79
Potomac Edison Company			
	total rate	10.70	10.48
<hr/>			
<b>Average For West Virginia</b>			
	total rate	11.07	11.48
	total for all utilities (IOUs, munis, coops, etc.)	10.98	

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Residential Average Rates

		12 Months Ending 6/30	
		2019	2020
<b>Average For South Atlantic</b>			
	generation	6.72	6.20
	transmission	1.23	1.30
	delivery	4.51	4.69
	total rate	11.60	11.63
	total for all utilities (IOUs, munis, coops, etc.)	11.80	
<b>East South Central</b>			
<b>Alabama</b>			
Alabama Power Company			
	total rate	12.79	13.46
<b>Average For Alabama</b>			
	total rate	12.79	13.46
	total for all utilities (IOUs, munis, coops, etc.)	12.39	
<b>Kentucky</b>			
AEP (Kentucky Power Rate Area)			
	total rate	11.96	11.80
Duke Energy Kentucky			
	total rate	9.50	8.95
Kentucky Utilities Company			
	total rate	9.84	10.53
Louisville Gas & Electric Company			
	total rate	10.61	11.14
<b>Average For Kentucky</b>			
	total rate	10.35	10.73
	total for all utilities (IOUs, munis, coops, etc.)	10.66	

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Residential Average Rates

		12 Months Ending 6/30	
		2019	2020
<b>Mississippi</b>			
<hr/>			
Entergy Mississippi, Inc.	total rate	9.60	10.02
Mississippi Power Company	total rate	13.52	13.20
<hr/>			
<b>Average For Mississippi</b>			
	total rate	10.65	10.87
	total for all utilities (IOUs, munis, coops, etc.)	11.18	
 <b>Tennessee</b>			
<hr/>			
AEP (Kingsport Power Rate Area)	total rate	9.01	9.36
<hr/>			
<b>Average For Tennessee</b>			
	total rate	9.01	9.36
	total for all utilities (IOUs, munis, coops, etc.)	10.83	
<hr/>			
<b>Average For East South Central</b>			
	total rate	11.48	11.96
	total for all utilities (IOUs, munis, coops, etc.)	11.26	

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Residential Average Rates

12 Months Ending 6/30

2019 2020

#### West South Central

##### Arkansas

Empire District Electric Company			
	total rate	12.28	11.97
Entergy Arkansas, Inc.			
	total rate	9.63	10.38
OG&E Electric Services			
	total rate	8.15	0.84
Southwestern Electric Power Company			
	total rate	9.04	9.00

##### Average For Arkansas

	total rate	9.46	9.51
total for all utilities (IOUs, munis, coops, etc.)		9.74	

##### Louisiana

CLECO Power LLC			
	total rate	11.54	11.57
Entergy Louisiana, Inc.			
	total rate	8.75	9.05
Entergy Louisiana, LLC (formerly Entergy Gulf States, Inc.)			
	total rate	8.56	8.96
Entergy New Orleans, Inc.			
	total rate	10.29	9.88
Southwestern Electric Power Company			
	total rate	10.80	10.57

##### Average For Louisiana

	total rate	9.57	9.71
total for all utilities (IOUs, munis, coops, etc.)		9.54	

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Residential Average Rates

12 Months Ending 6/30

2019 2020

#### Oklahoma

Empire District Electric Company

total rate 10.38 10.01

OG&E Electric Services

total rate 9.13 9.22

Public Service Company of Oklahoma

total rate 10.26 9.97

total rate 10.26 9.97

#### Average For Oklahoma

total rate 9.79 9.66

total for all utilities (IOUs, munis, coops, etc.) 10.18

#### Texas

El Paso Electric Company

total rate 11.97 11.97

Entergy Texas

total rate 10.26 9.94

Southwestern Electric Power Company

total rate 10.01 10.22

Southwestern Public Service

total rate 10.39 9.59

#### Average For Texas

total rate 10.53 10.28

total for all utilities (IOUs, munis, coops, etc.) 11.58

#### Average For West South Central

total rate 9.81 9.77

total for all utilities (IOUs, munis, coops, etc.) 10.99

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Residential Average Rates

12 Months Ending 6/30

2019 2020

#### Mountain

##### Arizona

Arizona Public Service Company			
	total rate	14.03	13.17
Tucson Electric Power Company			
	total rate	13.31	13.48
Unisource Electric Company			
	total rate	10.13	10.32

##### Average For Arizona

	total rate	13.68	13.09
total for all utilities (IOUs, munis, coops, etc.)		12.72	

##### Colorado

Black Hills/Colorado Electric			
	total rate	16.56	16.12
Public Service Company of Colorado			
	total rate	11.20	11.07

##### Average For Colorado

	total rate	11.53	11.39
total for all utilities (IOUs, munis, coops, etc.)		12.27	

##### Idaho

Avista Corp.			
	total rate	9.61	9.60
Idaho Power Company			
	total rate	10.20	9.93
PacifiCorp			
	total rate	9.95	9.97

##### Average For Idaho

	total rate	10.07	9.88
total for all utilities (IOUs, munis, coops, etc.)		9.99	



Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Residential Average Rates

		12 Months Ending 6/30	
		2019	2020
<b>Montana</b>			
<hr/>			
Black Hills Power, Inc. d/b/a Black Hills Energy			
	total rate	6.89	6.76
Montana-Dakota Utilites Company			
	total rate	9.86	11.11
NorthWestern Energy (formerly Montana Power)			
	generation	6.27	6.50
	transmission	0.73	0.74
	delivery	2.78	2.85
	ctc	0.32	0.33
	total rate	10.10	10.42
<hr/>			
<b>Average For Montana</b>			
	generation	6.27	6.50
	transmission	0.73	0.74
	delivery	2.78	2.85
	ctc	0.32	0.33
	total rate	10.09	10.46
	total for all utilities (IOUs, munis, coops, etc.)	11.13	
<hr/>			
<b>Nevada</b>			
<hr/>			
Nevada Power Company - NV Energy			
	total rate	12.06	12.10
Sierra Pacific Power Company - NV Energy			
	total rate	10.92	10.96
<hr/>			
<b>Average For Nevada</b>			
	total rate	11.83	11.87
	total for all utilities (IOUs, munis, coops, etc.)	11.79	

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Residential Average Rates

		12 Months Ending 6/30	
		2019	2020
<b>New Mexico</b>			
<hr/>			
El Paso Electric Company			
	total rate	10.88	10.30
Southwestern Public Service			
	total rate	9.95	9.49
<hr/>			
<b>Average For New Mexico</b>			
	total rate	10.30	9.80
	total for all utilities (IOUs, munis, coops, etc.)	12.71	
<b>Utah</b>			
<hr/>			
PacifiCorp			
	total rate	10.54	10.65
<hr/>			
<b>Average For Utah</b>			
	total rate	10.54	10.65
	total for all utilities (IOUs, munis, coops, etc.)	10.37	
<b>Wyoming</b>			
<hr/>			
Black Hills Power, Inc. d/b/a Black Hills Energy			
	total rate	12.80	12.72
Cheyenne Light, Fuel & Power d/b/a Black Hills Energy			
	total rate	15.12	15.37
Montana-Dakota Utilities Company			
	total rate	11.10	10.36
PacifiCorp			
	total rate	10.68	10.65
<hr/>			
<b>Average For Wyoming</b>			
	total rate	11.57	11.53
	total for all utilities (IOUs, munis, coops, etc.)	11.18	

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Residential Average Rates

		12 Months Ending 6/30	
		2019	2020
<b>Average For Mountain</b>			
	generation	6.27	6.50
	transmission	0.73	0.74
	delivery	2.78	2.85
	ctc	0.32	0.33
	total rate	11.83	11.65
	total for all utilities (IOUs, munis, coops, etc.)	11.92	

### Pacific

#### California

Pacific Gas & Electric Company

total rate 17.91 17.28

PacifiCorp

total rate 13.01 11.30

Southern California Edison

generation 8.12 9.52

transmission 1.48 1.47

delivery 5.80 4.86

total rate 17.17 17.84

#### Average For California

generation 8.12 9.52

transmission 1.48 1.47

delivery 5.80 4.86

total rate 17.51 17.51

total for all utilities (IOUs, munis, coops, etc.) 19.10

#### Oregon

Idaho Power Company

total rate 9.50 9.37

PacifiCorp

total rate 10.61 10.40

#### Average For Oregon

total rate 10.58 10.37

total for all utilities (IOUs, munis, coops, etc.) 10.98

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Residential Average Rates

12 Months Ending 6/30

2019 2020

#### Washington

Avista Corp.			
	total rate	9.63	9.57
PacifiCorp			
	total rate	8.64	8.43
Puget Sound Energy			
	total rate	10.64	10.54

#### Average For Washington

	total rate	10.25	10.15
total for all utilities (IOUs, munis, coops, etc.)		9.63	

#### Average For Pacific

	generation	8.12	9.52
	transmission	1.48	1.47
	delivery	5.80	4.86
	total rate	15.60	15.50
total for all utilities (IOUs, munis, coops, etc.)		16.05	

#### Hawaii

#### Hawaii

Hawaii Electric Light Company			
	total rate	37.76	35.91
Hawaiian Electric Company			
	total rate	32.06	30.15
Maui Electric Company (Lanai)			
	total rate	41.92	40.20
Maui Electric Company (Maui)			
	total rate	35.11	33.41
Maui Electric Company (Molokai)			
	total rate	41.78	39.26

#### Average For Hawaii

	total rate	33.58	31.66
total for all utilities (IOUs, munis, coops, etc.)		33.16	

Average Rates  
(in cents/kilowatthour)

Residential Average Rates

12 Months Ending 6/30  
2019 2020

Average For USA

generation	7.70	7.56
transmission	1.59	1.64
delivery	5.96	5.97
ctc	0.16	0.14
total rate	13.04	13.08
total for all utilities (IOUs, munis, coops, etc.)	12.97	

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Commercial Average Rates

12 Months Ending 6/30

2019 2020

#### New England

##### Connecticut

Connecticut Light & Power Company

generation	10.13	8.62
transmission	2.13	2.18
delivery	5.83	6.07
ctc	-0.02	-0.04
total rate	18.08	16.82

United Illuminating Company

generation	9.93	9.29
transmission	2.73	2.07
delivery	5.56	5.48
ctc	1.03	1.15
total rate	19.26	17.98

##### Average For Connecticut

generation	10.09	8.75
transmission	2.26	2.15
delivery	5.77	5.94
ctc	0.21	0.22
total rate	18.34	17.07

total for all utilities (IOUs, munis, coops, etc.) 17.15

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Commercial Average Rates

		12 Months Ending 6/30	
		2019	2020
<b>Maine</b>			
<hr/>			
Emera Maine - Bangor Hydro District			
	generation	8.67	7.81
	transmission	3.98	3.78
	delivery	4.22	4.22
	ctc	0.63	0.20
	total rate	17.49	16.01
Emera Maine - Maine Public District			
	generation	8.13	7.36
	transmission	0.99	1.26
	delivery	4.50	4.44
	ctc	-0.11	-0.06
	total rate	13.51	12.99
<hr/>			
<b>Average For Maine</b>			
	generation	8.54	7.70
	transmission	3.25	3.15
	delivery	4.29	4.27
	ctc	0.45	0.14
	total rate	16.53	15.26
	total for all utilities (IOUs, munis, coops, etc.)	12.70	

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Commercial Average Rates

		12 Months Ending 6/30	
		2019	2020
<b>Massachusetts</b>			
<hr/>			
Boston Edison Company			
	generation	12.57	11.25
	transmission	2.30	2.12
	delivery	6.06	6.23
	ctc	-0.06	-0.03
	total rate	20.87	19.57
Cambridge Electric Company			
	generation	11.85	12.47
	transmission	2.11	1.98
	delivery	3.94	3.96
	ctc	-0.06	-0.03
	total rate	17.83	18.38
Commonwealth Electric Company			
	generation	12.38	11.31
	transmission	2.32	2.14
	delivery	4.99	5.29
	ctc	-0.06	-0.03
	total rate	19.64	18.72
Fitchburg Gas & Electric Light Company			
	generation	10.66	10.37
	transmission	2.16	2.03
	delivery	8.48	9.22
	ctc	-0.13	-0.07
	total rate	21.17	21.56
National Grid (Massachusetts Electric Company)			
	generation	8.07	10.22
	transmission	1.57	2.24
	delivery	4.61	7.30
	ctc	-0.05	-0.10
	total rate	14.20	19.62
Western Massachusetts Electric Company			
	generation	11.14	10.70
	transmission	2.04	2.04
	delivery	5.45	5.35
	ctc	-0.11	-0.03
	total rate	18.52	18.05



Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Commercial Average Rates

		12 Months Ending 6/30	
		2019	2020
<b>Average For Massachusetts</b>			
	generation	10.59	10.80
	transmission	2.18	2.11
	delivery	5.56	5.95
	ctc	-0.06	-0.04
	total rate	19.09	19.31
	total for all utilities (IOUs, munis, coops, etc.)	16.92	
<b>New Hampshire</b>			
Public Service Company of New Hampshire d/b/a Eversource Energy			
	generation	9.60	8.87
	transmission	1.83	1.91
	delivery	4.02	4.60
	ctc	1.38	1.12
	total rate	16.83	16.50
Unitil Energy Systems, Inc.			
	generation	8.95	7.85
	transmission	2.42	2.49
	delivery	5.74	5.97
	ctc	-0.10	-0.02
	total rate	17.01	16.27
<b>Average For New Hampshire</b>			
	generation	9.48	8.69
	transmission	1.89	1.97
	delivery	4.18	4.74
	ctc	1.24	1.01
	total rate	16.85	16.47
	total for all utilities (IOUs, munis, coops, etc.)	15.97	

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Commercial Average Rates

12 Months Ending 6/30

2019 2020

#### Rhode Island

Narragansett Electric Company

generation	9.40	8.28
transmission	2.61	2.34
delivery	5.56	6.96
ctc	-0.09	-0.10
total rate	17.48	17.49

#### Average For Rhode Island

generation	9.40	8.28
transmission	2.61	2.34
delivery	5.56	6.96
ctc	-0.09	-0.10
total rate	17.48	17.49

total for all utilities (IOUs, munis, coops, etc.) 17.00

#### Average For New England

generation	10.04	9.40
transmission	2.22	2.14
delivery	5.45	5.81
ctc	0.19	0.17
total rate	18.39	17.93

total for all utilities (IOUs, munis, coops, etc.) 16.50

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Commercial Average Rates

12 Months Ending 6/30

2019 2020

#### Mid-Atlantic

##### New Jersey

Jersey Central Power & Light Company

generation	7.90	7.12
transmission	0.72	1.15
delivery	3.43	3.59
ctc	0.09	0.03
total rate	12.15	11.89

Public Service Electric & Gas Company

generation	9.92	9.26
delivery	3.03	3.42
ctc	-0.01	0.00
total rate	12.94	12.69

Rockland Electric Company

total rate	14.49	13.55
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##### Average For New Jersey

generation	9.46	8.80
transmission	0.72	1.15
delivery	3.14	3.46
ctc	0.02	0.01
total rate	12.76	12.50

total for all utilities (IOUs, munis, coops, etc.) 12.30

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Commercial Average Rates

		12 Months Ending 6/30	
		2019	2020
<b>New York</b>			
<hr/>			
Central Hudson Gas & Electric Corporation			
	total rate	12.61	13.14
Consolidated Edison Company of New York			
	total rate	18.66	19.05
LIPA			
	generation	9.15	9.21
	delivery	7.78	8.38
	total rate	16.93	17.59
National Grid (Niagara Mohawk Power Corporation)			
	total rate	8.05	8.18
New York State Electric & Gas Corporation			
	total rate	10.42	9.61
Orange & Rockland Utilities, Inc.			
	total rate	14.23	56.34
Rochester Gas & Electric Corporation			
	total rate	12.71	10.89
<hr/>			
<b>Average For New York</b>			
	generation	9.15	9.21
	delivery	7.78	8.38
	total rate	16.68	16.93
	total for all utilities (IOUs, munis, coops, etc.)	14.23	

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Commercial Average Rates

		12 Months Ending 6/30	
		2019	2020
<b>Pennsylvania</b>			
<hr/>			
Duquesne Light Company	generation	5.84	4.85
	transmission	1.06	1.18
	delivery	2.86	3.18
	total rate	9.76	9.22
Metropolitan Edison Company	generation	6.53	5.76
	delivery	2.56	2.90
	total rate	9.09	8.66
PECO Energy	generation	6.03	5.43
	transmission	0.52	0.54
	delivery	2.61	2.85
	total rate	9.17	11.08
Pennsylvania Electric Company	generation	6.13	5.70
	delivery	3.11	3.38
	ctc	0.29	0.42
	total rate	9.53	9.50
Pennsylvania Power Company	generation	7.74	7.06
	delivery	1.90	2.22
	total rate	9.64	9.28
PPL Utilities Corp.	generation	5.63	4.92
	transmission	1.25	1.28
	delivery	2.04	2.30
	total rate	8.92	8.50
West Penn Power Company	generation	5.82	5.68
	delivery	2.16	2.78
	total rate	7.98	8.46

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Commercial Average Rates

		12 Months Ending 6/30	
		2019	2020
<b>Average For Pennsylvania</b>			
	generation	6.01	5.38
	transmission	0.89	0.93
	delivery	2.45	2.76
	ctc	0.29	0.42
	total rate	9.10	9.40
	total for all utilities (IOUs, munis, coops, etc.)	8.81	
<b>Average For Mid-Atlantic</b>			
	generation	8.29	7.96
	transmission	0.84	1.00
	delivery	3.32	3.78
	ctc	0.05	0.04
	total rate	13.25	13.61
	total for all utilities (IOUs, munis, coops, etc.)	12.28	

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Commercial Average Rates

12 Months Ending 6/30

2019 2020

#### East North Central

##### Illinois

Ameren Illinois (All Rate Zones)

generation	4.75	4.37
delivery	3.14	3.36
total rate	7.89	7.73

Commonwealth Edison Company

generation	6.27	6.08
delivery	3.66	3.82
total rate	9.93	9.90

MidAmerican Energy

total rate	7.66	7.33
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MidAmerican Energy Company (Delivery Service)

delivery	1.88	1.87
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##### Average For Illinois

generation	5.91	5.67
delivery	3.34	3.54
total rate	8.98	8.85

total for all utilities (IOUs, munis, coops, etc.) 9.07

##### Indiana

AEP (Indiana Michigan Power)

total rate	10.03	10.87
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Duke Energy Indiana

total rate	10.00	9.85
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Indianapolis Power & Light Company

total rate	11.73	11.50
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Northern Indiana Public Service Company

total rate	13.06	13.17
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Southern Indiana Gas & Electric Company

total rate	12.56	12.87
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##### Average For Indiana

total rate	11.05	11.23
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total for all utilities (IOUs, munis, coops, etc.) 10.74

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Commercial Average Rates

		12 Months Ending 6/30	
		2019	2020
<b>Michigan</b>			
<hr/>			
AEP (Indiana Michigan Power combined MI rate areas)			
	generation	8.78	8.49
	delivery	2.70	2.74
	total rate	11.48	11.23
Consumers Energy			
	total rate	12.98	13.16
DTE Electric Company			
	total rate	10.10	10.88
Northern States Power Company (WI)			
	total rate	10.53	10.99
Upper Michigan Energy Resources Corporation (formerly We Energies)			
	total rate	13.41	13.01
Upper Michigan Energy Resources Corporation (formerly Wisconsin Public Service Cor			
	total rate	11.81	9.15
<hr/>			
<b>Average For Michigan</b>			
	generation	8.78	8.49
	delivery	2.70	2.74
	total rate	11.31	11.51
total for all utilities (IOUs, munis, coops, etc.)		11.21	



Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Commercial Average Rates

		12 Months Ending 6/30	
		2019	2020
<b>Ohio</b>			
AEP (Columbus Southern Power Rate Area)			
	generation	5.60	5.19
	transmission	1.27	1.14
	delivery	2.33	2.36
	total rate	9.20	8.69
AEP (Ohio Power Rate Area)			
	generation	5.96	5.18
	transmission	1.41	1.28
	delivery	3.30	3.35
	total rate	10.67	9.81
Cleveland Electric Illuminating Company			
	generation	5.77	5.65
	transmission	1.50	1.71
	delivery	4.21	3.87
	total rate	11.48	11.24
Dayton Power & Light Company			
	generation	5.34	5.18
	transmission	0.07	0.04
	delivery	2.40	2.88
	total rate	7.81	8.10
Duke Energy Ohio			
	total rate	9.74	10.42
Ohio Edison Company			
	generation	5.80	5.59
	transmission	1.53	1.73
	delivery	3.38	3.03
	total rate	10.72	10.36
Toledo Edison Company			
	generation	5.73	5.48
	transmission	1.55	1.73
	delivery	4.15	3.96
	total rate	11.43	11.17

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Commercial Average Rates

		12 Months Ending 6/30	
		2019	2020
<b>Average For Ohio</b>			
	generation	5.72	5.31
	transmission	1.27	1.29
	delivery	3.17	3.09
	total rate	10.19	9.83
	total for all utilities (IOUs, munis, coops, etc.)	9.98	
<b>Wisconsin</b>			
Northern States Power Company (WI)	total rate	9.72	10.47
Northwestern Wisconsin Electric Company	total rate	12.84	13.02
Superior Water, Light & Power Company	total rate	9.19	9.13
We Energies (formerly Wisconsin Electric)	total rate	11.52	11.69
Wisconsin Public Service Corporation	total rate	9.13	11.41
<b>Average For Wisconsin</b>			
	total rate	10.57	11.38
	total for all utilities (IOUs, munis, coops, etc.)	10.80	
<b>Average For East North Central</b>			
	generation	5.98	5.71
	transmission	1.27	1.29
	delivery	3.23	3.25
	total rate	10.56	10.70
	total for all utilities (IOUs, munis, coops, etc.)	10.20	

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Commercial Average Rates

12 Months Ending 6/30

2019 2020

#### West North Central

##### Iowa

Interstate Power & Light

total rate 12.01 13.26

MidAmerican Energy

total rate 8.11 8.09

##### Average For Iowa

total rate 9.91 8.09

total for all utilities (IOUs, munis, coops, etc.) 9.94

##### Kansas

Empire District Electric Company

total rate 11.83 12.39

Kansas City Power & Light Company

total rate 10.66 10.28

Westar Energy-KGE

total rate 9.28 9.51

Westar Energy-KPL

total rate 9.97 10.13

##### Average For Kansas

total rate 9.99 10.01

total for all utilities (IOUs, munis, coops, etc.) 10.39

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Commercial Average Rates

		12 Months Ending 6/30	
		2019	2020
<b>Minnesota</b>			
<hr/>			
Minnesota Power Company/ Allete	total rate	10.34	9.91
Northern States Power Company (MN)	total rate	10.47	10.34
Otter Tail Power Company	total rate	10.19	10.19
<hr/>			
<b>Average For Minnesota</b>			
	total rate	10.45	10.33
	total for all utilities (IOUs, munis, coops, etc.)	10.50	
<hr/>			
<b>Missouri</b>			
<hr/>			
Ameren Missouri	total rate	7.80	7.50
Empire District Electric Company	total rate	11.50	11.27
Kansas City Power & Light - GMO	total rate	8.61	8.89
Kansas City Power & Light Company	total rate	10.44	10.24
<hr/>			
<b>Average For Missouri</b>			
	total rate	8.63	8.43
	total for all utilities (IOUs, munis, coops, etc.)	9.09	

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Commercial Average Rates

12 Months Ending 6/30

2019 2020

#### North Dakota

Montana-Dakota Utilities Company			
	total rate	12.39	12.25
Northern States Power Company (MN)			
	total rate	9.07	8.94
Otter Tail Power Company			
	total rate	8.69	8.90

#### Average For North Dakota

	total rate	9.18	9.12
	total for all utilities (IOUs, munis, coops, etc.)	9.07	

#### South Dakota

Black Hills Power, Inc. d/b/a Black Hills Energy			
	total rate	12.49	12.02
MidAmerican Energy			
	total rate	6.99	7.23
Montana-Dakota Utilities Company			
	total rate	11.12	11.26
Northern States Power Company (MN)			
	total rate	9.28	9.34
Northwestern Energy			
	total rate	9.15	10.55
Otter Tail Power Company			
	total rate	9.47	9.14

#### Average For South Dakota

	total rate	10.11	10.41
	total for all utilities (IOUs, munis, coops, etc.)	9.54	

#### Average For West North Central

	total rate	9.55	9.26
	total for all utilities (IOUs, munis, coops, etc.)	9.71	

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Commercial Average Rates

12 Months Ending 6/30

2019 2020

#### South Atlantic

##### District of Columbia

Potomac Electric Power Company

generation	7.18	6.55
transmission	0.54	0.64
delivery	5.04	5.26
total rate	12.76	12.45

##### Average For District of Columbia

generation	7.18	6.55
transmission	0.54	0.64
delivery	5.04	5.26
total rate	12.76	12.45

total for all utilities (IOUs, munis, coops, etc.) 12.18

##### Florida

Duke Energy Florida

total rate	10.18	10.01
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Florida Power & Light Company

total rate	8.57	8.26
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Florida Public Utilities Company

total rate	12.11	13.03
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Gulf Power Company

total rate	10.16	10.30
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Tampa Electric Company

total rate	9.10	8.93
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##### Average For Florida

total rate	9.00	8.75
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total for all utilities (IOUs, munis, coops, etc.) 9.30

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Commercial Average Rates

		12 Months Ending 6/30	
		2019	2020
<b>Maryland</b>			
<hr/>			
Baltimore Gas & Electric Company			
	generation	6.05	5.36
	transmission	0.95	0.81
	delivery	2.98	3.06
	total rate	9.98	9.24
Potomac Edison Company			
	generation	7.17	6.60
	transmission	0.33	0.33
	delivery	2.89	3.12
	total rate	10.39	10.05
Potomac Electric Power Company			
	generation	6.49	5.64
	transmission	0.68	1.21
	delivery	4.53	4.36
	total rate	11.70	11.21
<hr/>			
<b>Average For Maryland</b>			
	generation	6.31	5.58
	transmission	0.80	0.87
	delivery	3.43	3.45
	total rate	10.58	9.93
	total for all utilities (IOUs, munis, coops, etc.)	10.33	
<hr/>			
<b>North Carolina</b>			
<hr/>			
Dominion Energy North Carolina			
	total rate	8.92	9.08
Duke Energy Carolinas			
	total rate	7.57	7.71
Duke Energy Progress, Inc.			
	total rate	9.31	10.09
<hr/>			
<b>Average For North Carolina</b>			
	total rate	8.18	7.90
	total for all utilities (IOUs, munis, coops, etc.)	8.68	

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Commercial Average Rates

		12 Months Ending 6/30	
		2019	2020
<b>South Carolina</b>			
<hr/>			
Dominion Energy South Carolina (formerly SCE&G)			
	total rate	9.87	10.27
Duke Energy Carolinas			
	total rate	9.07	9.43
Duke Energy Progress, Inc.			
	total rate	9.84	9.53
<hr/>			
<b>Average For South Carolina</b>			
	total rate	9.57	9.74
	total for all utilities (IOUs, munis, coops, etc.)	9.95	
<hr/>			
<b>Virginia</b>			
<hr/>			
AEP (Appalachian Power Rate Area)			
	generation	5.75	5.51
	transmission	1.38	1.37
	delivery	1.47	1.58
	total rate	8.60	8.46
Dominion Energy Virginia			
	total rate	7.72	7.43
Old Dominion Power Company			
	total rate	9.79	9.88
<hr/>			
<b>Average For Virginia</b>			
	generation	5.75	5.51
	transmission	1.38	1.37
	delivery	1.47	1.58
	total rate	7.80	7.53
	total for all utilities (IOUs, munis, coops, etc.)	8.32	



Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Commercial Average Rates

12 Months Ending 6/30

2019 2020

#### West Virginia

AEP (Appalachian Power Rate Area)

total rate 9.03 9.29

AEP (Wheeling Power Rate Area)

total rate 8.90 9.19

Monongahela Power Company

total rate 9.13 8.92

Potomac Edison Company

total rate 9.77 9.67

#### Average For West Virginia

total rate 9.15 9.19

total for all utilities (IOUs, munis, coops, etc.) 9.07

#### Average For South Atlantic

generation 6.23 5.68

transmission 0.97 1.01

delivery 3.61 3.68

total rate 8.83 8.69

total for all utilities (IOUs, munis, coops, etc.) 9.31

#### East South Central

##### Alabama

Alabama Power Company

total rate 11.57 12.10

#### Average For Alabama

total rate 11.57 12.10

total for all utilities (IOUs, munis, coops, etc.) 11.36

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Commercial Average Rates

		12 Months Ending 6/30	
		2019	2020
<b>Kentucky</b>			
AEP (Kentucky Power Rate Area)	total rate	12.13	11.91
Duke Energy Kentucky	total rate	8.80	8.73
Kentucky Utilities Company	total rate	9.90	10.82
Louisville Gas & Electric Company	total rate	9.71	10.24
<b>Average For Kentucky</b>			
	total rate	9.94	10.45
	total for all utilities (IOUs, munis, coops, etc.)	9.86	
<b>Mississippi</b>			
Entergy Mississippi, Inc.	total rate	9.12	9.51
Mississippi Power Company	total rate	10.70	10.36
<b>Average For Mississippi</b>			
	total rate	9.69	9.82
	total for all utilities (IOUs, munis, coops, etc.)	10.40	
<b>Tennessee</b>			
AEP (Kingsport Power Rate Area)	total rate	9.49	9.89
<b>Average For Tennessee</b>			
	total rate	9.49	9.89
	total for all utilities (IOUs, munis, coops, etc.)	10.57	

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Commercial Average Rates

		12 Months Ending 6/30	
		2019	2020
<b>Average For East South Central</b>			
	total rate	10.57	11.00
	total for all utilities (IOUs, munis, coops, etc.)	10.59	
<b>West South Central</b>			
<b>Arkansas</b>			
Empire District Electric Company	total rate	9.95	9.79
Entergy Arkansas, Inc.	total rate	7.79	8.95
OG&E Electric Services	total rate	6.76	7.06
Southwestern Electric Power Company	total rate	7.36	7.17
<b>Average For Arkansas</b>			
	total rate	7.63	8.50
	total for all utilities (IOUs, munis, coops, etc.)	8.02	
<b>Louisiana</b>			
CLECO Power LLC	total rate	10.72	10.73
Entergy Louisiana, Inc.	total rate	8.66	8.84
Entergy Louisiana, LLC (formerly Entergy Gulf States, Inc.)	total rate	7.51	7.66
Entergy New Orleans, Inc.	total rate	9.00	8.50
Southwestern Electric Power Company	total rate	9.40	9.27
<b>Average For Louisiana</b>			
	total rate	8.75	8.79
	total for all utilities (IOUs, munis, coops, etc.)	8.77	

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Commercial Average Rates

12 Months Ending 6/30

2019 2020

#### Oklahoma

Empire District Electric Company

total rate 9.33 8.85

OG&E Electric Services

total rate 7.31 7.62

Public Service Company of Oklahoma

total rate 7.80 7.38

total rate 7.80 7.38

#### Average For Oklahoma

total rate 7.60 7.48

total for all utilities (IOUs, munis, coops, etc.) 7.88

#### Texas

El Paso Electric Company

total rate 9.96 10.06

Entergy Texas

total rate 7.07 7.15

Southwestern Electric Power Company

total rate 8.29 8.31

Southwestern Public Service

total rate 7.73 6.83

#### Average For Texas

total rate 7.90 7.76

total for all utilities (IOUs, munis, coops, etc.) 8.00

#### Average For West South Central

total rate 8.06 8.14

total for all utilities (IOUs, munis, coops, etc.) 8.09

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Commercial Average Rates

12 Months Ending 6/30

2019 2020

#### Mountain

##### Arizona

Arizona Public Service Company			
	total rate	11.18	10.52
Tucson Electric Power Company			
	total rate	13.00	13.16
Unisource Electric Company			
	total rate	10.00	10.29

##### Average For Arizona

	total rate	11.48	11.01
total for all utilities (IOUs, munis, coops, etc.)		10.53	

##### Colorado

Black Hills/Colorado Electric			
	total rate	11.50	11.15
Public Service Company of Colorado			
	total rate	9.40	9.29

##### Average For Colorado

	total rate	9.53	9.41
total for all utilities (IOUs, munis, coops, etc.)		10.13	

##### Idaho

Avista Corp.			
	total rate	8.77	8.69
Idaho Power Company			
	total rate	7.35	7.09
PacifiCorp			
	total rate	8.49	8.57

##### Average For Idaho

	total rate	7.72	7.53
total for all utilities (IOUs, munis, coops, etc.)		7.78	

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Commercial Average Rates

		12 Months Ending 6/30	
		2019	2020
<b>Montana</b>			
<hr/>			
Black Hills Power, Inc. d/b/a Black Hills Energy			
	total rate	11.43	12.53
Montana-Dakota Utilites Company			
	total rate	9.40	10.65
NorthWestern Energy (formerly Montana Power)			
	generation	6.23	6.49
	transmission	0.73	0.71
	delivery	2.51	2.66
	ctc	0.32	0.33
	total rate	9.78	10.19
<hr/>			
<b>Average For Montana</b>			
	generation	6.23	6.49
	transmission	0.73	0.71
	delivery	2.51	2.66
	ctc	0.32	0.33
	total rate	9.77	10.20
	total for all utilities (IOUs, munis, coops, etc.)	10.22	
<hr/>			
<b>Nevada</b>			
<hr/>			
Nevada Power Company - NV Energy			
	total rate	9.15	9.17
Sierra Pacific Power Company - NV Energy			
	total rate	8.51	8.49
<hr/>			
<b>Average For Nevada</b>			
	total rate	8.91	8.90
	total for all utilities (IOUs, munis, coops, etc.)	7.77	

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Commercial Average Rates

		12 Months Ending 6/30	
		2019	2020
<b>New Mexico</b>			
<hr/>			
El Paso Electric Company			
	total rate	10.53	10.18
Southwestern Public Service			
	total rate	8.16	7.85
<hr/>			
<b>Average For New Mexico</b>			
	total rate	8.92	8.59
	total for all utilities (IOUs, munis, coops, etc.)	10.00	
<hr/>			
<b>Utah</b>			
<hr/>			
PacifiCorp			
	total rate	7.97	8.11
<hr/>			
<b>Average For Utah</b>			
	total rate	7.97	8.11
	total for all utilities (IOUs, munis, coops, etc.)	8.23	
<hr/>			
<b>Wyoming</b>			
<hr/>			
Black Hills Power, Inc. d/b/a Black Hills Energy			
	total rate	13.04	12.83
Cheyenne Light, Fuel & Power d/b/a Black Hills Energy			
	total rate	12.25	12.72
Montana-Dakota Utilities Company			
	total rate	9.79	9.18
PacifiCorp			
	total rate	8.44	8.48
<hr/>			
<b>Average For Wyoming</b>			
	total rate	9.53	9.68
	total for all utilities (IOUs, munis, coops, etc.)	9.58	

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Commercial Average Rates

		12 Months Ending 6/30	
		2019	2020
<b>Average For Mountain</b>			
	generation	6.23	6.49
	transmission	0.73	0.71
	delivery	2.51	2.66
	ctc	0.32	0.33
	total rate	9.57	9.44
	total for all utilities (IOUs, munis, coops, etc.)	9.55	

### Pacific

#### California

Pacific Gas & Electric Company

total rate 15.68 16.51

PacifiCorp

total rate 14.83 14.51

Southern California Edison

generation 7.45 8.20

transmission 1.05 1.07

delivery 4.32 4.12

total rate 14.72 15.36

#### Average For California

generation 7.45 8.20

transmission 1.05 1.07

delivery 4.32 4.12

total rate 15.15 15.89

total for all utilities (IOUs, munis, coops, etc.) 16.51



Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Commercial Average Rates

12 Months Ending 6/30

2019 2020

#### Oregon

Idaho Power Company

total rate 8.12 8.09

PacifiCorp

total rate 9.00 8.83

#### Average For Oregon

total rate 8.98 8.81

total for all utilities (IOUs, munis, coops, etc.) 8.87

#### Washington

Avista Corp.

total rate 9.95 10.22

PacifiCorp

total rate 8.27 7.99

Puget Sound Energy

total rate 9.85 9.66

#### Average For Washington

total rate 9.67 9.55

total for all utilities (IOUs, munis, coops, etc.) 8.73

#### Average For Pacific

generation 7.45 8.20

transmission 1.05 1.07

delivery 4.32 4.12

total rate 13.93 14.46

total for all utilities (IOUs, munis, coops, etc.) 14.66

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Commercial Average Rates

12 Months Ending 6/30

2019 2020

#### Hawaii

##### Hawaii

Hawaii Electric Light Company	total rate	36.19	35.14
Hawaiian Electric Company	total rate	28.76	27.62
Maui Electric Company (Lanai)	total rate	43.96	42.95
Maui Electric Company (Maui)	total rate	35.31	34.15
Maui Electric Company (Molokai)	total rate	42.53	41.70

##### Average For Hawaii

total rate	30.64	29.48
total for all utilities (IOUs, munis, coops, etc.)	30.50	

#### Average For USA

generation	7.53	7.53
transmission	1.38	1.38
delivery	3.78	3.95
ctc	0.12	0.11
total rate	10.66	10.72
total for all utilities (IOUs, munis, coops, etc.)	10.97	

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Industrial Average Rates

12 Months Ending 6/30

2019 2020

#### New England

##### Connecticut

Connecticut Light & Power Company

generation	11.16	10.28
transmission	1.91	2.04
delivery	4.11	4.33
ctc	-0.02	-0.04
total rate	17.16	16.61

United Illuminating Company

generation	9.33	9.20
transmission	2.82	2.31
delivery	4.73	4.87
ctc	1.00	4.87
total rate	17.88	17.50

##### Average For Connecticut

generation	10.85	10.05
transmission	2.07	2.09
delivery	4.22	4.43
ctc	0.16	0.81
total rate	17.31	16.79

total for all utilities (IOUs, munis, coops, etc.) 13.85

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Industrial Average Rates

		12 Months Ending 6/30	
		2019	2020
<b>Maine</b>			
<hr/>			
Emera Maine - Bangor Hydro District			
	generation	6.09	4.63
	transmission	2.99	2.73
	delivery	1.59	1.33
	ctc	0.47	0.17
	total rate	11.14	8.87
Emera Maine - Maine Public District			
	generation	8.32	9.86
	transmission	0.85	0.95
	delivery	0.90	1.01
	ctc	-0.04	-0.02
	total rate	10.03	11.80
<hr/>			
<b>Average For Maine</b>			
	generation	6.94	6.37
	transmission	2.18	2.14
	delivery	1.33	1.22
	ctc	0.28	0.11
	total rate	10.72	9.84
	total for all utilities (IOUs, munis, coops, etc.)	9.42	

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Industrial Average Rates

		12 Months Ending 6/30	
		2019	2020
<b>Massachusetts</b>			
<hr/>			
Boston Edison Company			
	generation	12.96	10.95
	transmission	2.23	2.01
	delivery	4.90	4.87
	ctc	-0.06	-0.03
	total rate	20.03	17.80
Cambridge Electric Company			
	generation	12.96	10.75
	transmission	2.08	2.03
	delivery	3.19	3.16
	ctc	-0.06	-0.03
	total rate	18.18	15.91
Commonwealth Electric Company			
	generation	13.21	10.44
	transmission	2.37	2.19
	delivery	3.55	3.57
	ctc	-0.06	-0.03
	total rate	19.06	16.16
Fitchburg Gas & Electric Light Company			
	generation	9.38	6.94
	transmission	1.91	1.79
	delivery	3.90	4.18
	ctc	-0.12	-0.06
	total rate	15.07	12.85
National Grid (Massachusetts Electric Company)			
	generation	11.17	18.18
	transmission	2.18	2.14
	delivery	4.81	5.99
	ctc	-0.06	-0.09
	total rate	18.10	18.18
Western Massachusetts Electric Company			
	generation	10.72	10.55
	transmission	1.95	2.00
	delivery	3.98	3.90
	ctc	-0.11	-0.03
	total rate	16.54	16.42

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Industrial Average Rates

		12 Months Ending 6/30	
		2019	2020
<b>Average For Massachusetts</b>			
	generation	11.48	15.38
	transmission	2.13	2.02
	delivery	4.37	4.46
	ctc	-0.08	-0.04
	total rate	18.23	16.91
	total for all utilities (IOUs, munis, coops, etc.)	14.70	
<b>New Hampshire</b>			
Public Service Company of New Hampshire d/b/a Eversource Energy			
	generation	10.09	9.00
	transmission	1.84	1.95
	delivery	2.62	2.94
	ctc	0.82	0.70
	total rate	15.37	14.59
Unitil Energy Systems, Inc.			
	generation	8.48	6.19
	transmission	2.42	2.49
	delivery	3.04	3.12
	ctc	-0.10	-0.02
	total rate	13.84	11.78
<b>Average For New Hampshire</b>			
	generation	9.55	7.74
	transmission	1.95	2.06
	delivery	2.70	2.98
	ctc	0.64	0.55
	total rate	15.02	13.88
	total for all utilities (IOUs, munis, coops, etc.)	13.31	

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Industrial Average Rates

12 Months Ending 6/30

2019 2020

#### Rhode Island

Narragansett Electric Company

generation	9.77	8.74
transmission	3.07	2.82
delivery	6.32	6.78
ctc	-0.09	-0.11
total rate	19.07	18.24

#### Average For Rhode Island

generation	9.77	8.74
transmission	3.07	2.82
delivery	6.32	6.78
ctc	-0.09	-0.11
total rate	19.07	18.24

total for all utilities (IOUs, munis, coops, etc.) 15.91

#### Average For New England

generation	9.50	9.42
transmission	2.09	2.08
delivery	3.75	3.89
ctc	0.21	0.43
total rate	16.34	15.26

total for all utilities (IOUs, munis, coops, etc.) 13.16

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Industrial Average Rates

12 Months Ending 6/30

2019 2020

### Mid-Atlantic

#### New Jersey

Jersey Central Power & Light Company

generation	6.68	5.04
transmission	0.50	0.86
delivery	2.37	2.50
ctc	0.08	0.03
total rate	9.62	8.43

Public Service Electric & Gas Company

generation	8.18	7.43
delivery	2.29	2.78
ctc	-0.01	0.00
total rate	10.46	10.22

Rockland Electric Company

total rate	13.17	11.58
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#### Average For New Jersey

generation	7.85	6.92
transmission	0.50	0.86
delivery	2.32	2.68
ctc	0.02	0.01
total rate	10.20	9.65

total for all utilities (IOUs, munis, coops, etc.) 10.17



Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Industrial Average Rates

		12 Months Ending 6/30	
		2019	2020
<b>New York</b>			
<hr/>			
Central Hudson Gas & Electric Corporation			
	total rate	10.50	9.88
Consolidated Edison Company of New York			
	total rate	15.00	14.95
National Grid (Niagara Mohawk Power Corporation)			
	total rate	4.83	4.45
New York State Electric & Gas Corporation			
	total rate	8.27	6.94
Orange & Rockland Utilities, Inc.			
	total rate	5.81	51.11
Rochester Gas & Electric Corporation			
	total rate	12.21	10.25
<hr/>			
<b>Average For New York</b>			
	total rate	7.75	7.44
	total for all utilities (IOUs, munis, coops, etc.)	5.78	

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Industrial Average Rates

		12 Months Ending 6/30	
		2019	2020
<b>Pennsylvania</b>			
<hr/>			
Duquesne Light Company	generation	5.40	4.40
	transmission	1.01	1.43
	delivery	1.38	1.60
	total rate	7.79	7.43
Metropolitan Edison Company	generation	6.52	5.56
	delivery	0.89	0.94
	total rate	7.41	6.50
PECO Energy	generation	5.21	3.62
	transmission	0.39	0.34
	delivery	1.13	1.34
	total rate	6.73	5.30
Pennsylvania Electric Company	generation	7.68	7.44
	delivery	1.17	1.20
	ctc	0.28	0.37
	total rate	9.13	9.01
Pennsylvania Power Company	generation	3.99	8.03
	delivery	0.46	0.50
	total rate	4.45	8.53
PPL Utilities Corp.	generation	3.36	2.86
	transmission	1.58	1.44
	delivery	0.49	0.49
	total rate	5.43	4.79
West Penn Power Company	generation	6.36	4.42
	delivery	0.70	0.90
	total rate	7.06	5.32

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Industrial Average Rates

12 Months Ending 6/30

2019 2020

#### Average For Pennsylvania

generation	5.26	4.33
transmission	0.99	0.87
delivery	0.88	0.99
ctc	0.28	0.37
total rate	6.91	5.96

total for all utilities (IOUs, munis, coops, etc.) 6.61

#### Average For Mid-Atlantic

generation	6.40	5.36
transmission	0.88	0.86
delivery	1.03	1.16
ctc	0.15	0.20
total rate	7.65	6.74

total for all utilities (IOUs, munis, coops, etc.) 6.75

### East North Central

#### Illinois

Ameren Illinois (All Rate Zones)

delivery	0.96	1.06
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Commonwealth Edison Company

generation	4.99	5.11
delivery	1.89	2.04
total rate	6.88	7.15

MidAmerican Energy

total rate	5.35	4.94
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MidAmerican Energy Company (Delivery Service)

delivery	1.34	1.43
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#### Average For Illinois

generation	4.99	5.11
delivery	1.02	1.13
total rate	6.23	6.20

total for all utilities (IOUs, munis, coops, etc.) 6.67

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Industrial Average Rates

		12 Months Ending 6/30	
		2019	2020
<b>Indiana</b>			
AEP (Indiana Michigan Power)			
	total rate	7.04	7.47
Duke Energy Indiana			
	total rate	7.49	7.23
Indianapolis Power & Light Company			
	total rate	8.88	8.53
Northern Indiana Public Service Company			
	total rate	7.16	6.40
Southern Indiana Gas & Electric Company			
	total rate	7.91	7.77
<b>Average For Indiana</b>			
	total rate	7.60	7.36
	total for all utilities (IOUs, munis, coops, etc.)	7.44	

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Industrial Average Rates

		12 Months Ending 6/30	
		2019	2020
<b>Michigan</b>			
<hr/>			
AEP (Indiana Michigan Power combined MI rate areas)			
	generation	8.60	6.76
	delivery	1.19	1.16
	total rate	9.79	7.92
Consumers Energy			
	total rate	7.91	8.06
DTE Electric Company			
	total rate	6.55	7.01
Northern States Power Company (WI)			
	total rate	6.29	5.86
Upper Michigan Energy Resources Corporation (formerly We Energies)			
	total rate	5.51	5.44
Upper Michigan Energy Resources Corporation (formerly Wisconsin Public Service Cor			
	total rate	5.72	5.79
<hr/>			
<b>Average For Michigan</b>			
	generation	8.60	6.76
	delivery	1.19	1.16
	total rate	7.21	7.13
	total for all utilities (IOUs, munis, coops, etc.)	7.13	

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Industrial Average Rates

		12 Months Ending 6/30	
		2019	2020
<b>Ohio</b>			
AEP (Columbus Southern Power Rate Area)			
	generation	5.58	4.97
	transmission	0.95	0.95
	delivery	1.19	1.23
	total rate	7.72	7.15
AEP (Ohio Power Rate Area)			
	generation	5.95	4.93
	transmission	0.96	0.94
	delivery	0.76	0.83
	total rate	7.67	6.70
Cleveland Electric Illuminating Company			
	generation	2.68	2.29
	transmission	0.81	0.91
	delivery	0.80	0.49
	total rate	4.30	3.69
Dayton Power & Light Company			
	generation	5.19	5.10
	transmission	0.01	0.00
	delivery	1.17	1.47
	total rate	6.37	6.58
Duke Energy Ohio			
	total rate	9.04	8.57
Ohio Edison Company			
	generation	5.17	4.97
	transmission	0.82	0.93
	delivery	0.89	0.64
	total rate	6.88	6.53
Toledo Edison Company			
	generation	5.23	5.56
	transmission	0.89	0.90
	delivery	0.55	0.28
	total rate	6.67	6.74

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Industrial Average Rates

**12 Months Ending 6/30**  
**2019    2020**

#### Average For Ohio

generation	5.33	3.85
transmission	0.80	0.84
delivery	0.84	0.74
total rate	6.58	5.99
total for all utilities (IOUs, munis, coops, etc.)	6.67	

#### Wisconsin

Northern States Power Company (WI)		
total rate	7.62	6.76
Northwestern Wisconsin Electric Company		
total rate	9.40	9.42
Superior Water, Light & Power Company		
total rate	6.30	6.13
We Energies (formerly Wisconsin Electric)		
total rate	8.07	8.09
Wisconsin Public Service Corporation		
total rate	5.83	5.74

#### Average For Wisconsin

total rate	7.29	7.67
total for all utilities (IOUs, munis, coops, etc.)	7.51	

#### Average For East North Central

generation	5.89	5.21
transmission	0.80	0.84
delivery	0.89	0.84
total rate	7.28	7.12
total for all utilities (IOUs, munis, coops, etc.)	7.03	

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Industrial Average Rates

12 Months Ending 6/30

2019 2020

#### West North Central

##### Iowa

Interstate Power & Light

total rate 7.52 8.50

MidAmerican Energy

total rate 5.67 5.56

##### Average For Iowa

total rate 6.29 5.56

total for all utilities (IOUs, munis, coops, etc.) 6.56

##### Kansas

Empire District Electric Company

total rate 8.45 8.73

Kansas City Power & Light Company

total rate 10.05 9.53

Westar Energy-KGE

total rate 6.68 6.86

Westar Energy-KPL

total rate 8.16 8.34

##### Average For Kansas

total rate 7.38 7.55

total for all utilities (IOUs, munis, coops, etc.) 7.48



Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Industrial Average Rates

		12 Months Ending 6/30	
		2019	2020
<b>Minnesota</b>			
Minnesota Power Company/ Allele			
	total rate	6.59	6.46
Northern States Power Company (MN)			
	total rate	8.15	7.95
Otter Tail Power Company			
	total rate	6.59	6.96
<b>Average For Minnesota</b>			
	total rate	7.34	7.77
	total for all utilities (IOUs, munis, coops, etc.)	7.74	
<b>Missouri</b>			
Ameren Missouri			
	total rate	6.36	6.11
Empire District Electric Company			
	total rate	8.37	8.24
Kansas City Power & Light - GMO			
	total rate	6.64	6.69
Kansas City Power & Light Company			
	total rate	7.85	7.44
<b>Average For Missouri</b>			
	total rate	6.90	6.70
	total for all utilities (IOUs, munis, coops, etc.)	6.94	

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Industrial Average Rates

12 Months Ending 6/30

2019 2020

#### North Dakota

Montana-Dakota Utilities Company

total rate 8.99 8.71

Northern States Power Company (MN)

total rate 7.11 6.88

Otter Tail Power Company

total rate 7.17 6.79

#### Average For North Dakota

total rate 8.11 7.87

total for all utilities (IOUs, munis, coops, etc.) 8.20

#### South Dakota

Black Hills Power, Inc. d/b/a Black Hills Energy

total rate 8.24 7.94

MidAmerican Energy

total rate 4.85 5.13

Montana-Dakota Utilities Company

total rate 8.89 8.92

Northern States Power Company (MN)

total rate 7.38 7.37

Northwestern Energy

total rate 6.92 7.17

Otter Tail Power Company

total rate 7.00 6.86

#### Average For South Dakota

total rate 7.11 7.15

total for all utilities (IOUs, munis, coops, etc.) 7.80

#### Average For West North Central

total rate 6.92 6.75

total for all utilities (IOUs, munis, coops, etc.) 7.33

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Industrial Average Rates

12 Months Ending 6/30

2019 2020

#### South Atlantic

##### District of Columbia

Potomac Electric Power Company

delivery 1.47 1.63

##### Average For District of Columbia

delivery 1.47 1.63

total for all utilities (IOUs, munis, coops, etc.) 8.34

##### Florida

Duke Energy Florida

total rate 7.59 7.14

Florida Power & Light Company

total rate 6.37 5.96

Florida Public Utilities Company

total rate 9.90 5.47

Gulf Power Company

total rate 7.66 7.12

Tampa Electric Company

total rate 7.79 7.56

##### Average For Florida

total rate 7.28 6.85

total for all utilities (IOUs, munis, coops, etc.) 7.67

##### Georgia

Georgia Power Company

total rate 5.71 5.72

##### Average For Georgia

total rate 5.71 5.72

total for all utilities (IOUs, munis, coops, etc.) 5.81

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Industrial Average Rates

12 Months Ending 6/30

2019 2020

#### Maryland

Baltimore Gas & Electric Company

generation	6.05	5.36
transmission	0.95	0.81
delivery	2.98	3.06
total rate	9.98	9.24

Potomac Edison Company

generation	6.52	6.07
transmission	0.32	0.31
delivery	1.58	1.95
total rate	8.42	8.33

Potomac Electric Power Company

delivery	2.56	2.28
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#### Average For Maryland

generation	6.07	5.39
transmission	0.93	0.79
delivery	2.85	2.96
total rate	9.90	9.19

total for all utilities (IOUs, munis, coops, etc.) 7.94

#### North Carolina

Dominion Energy North Carolina

total rate	5.60	5.70
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Duke Energy Carolinas

total rate	5.79	5.90
------------	------	------

Duke Energy Progress, Inc.

total rate	6.55	6.19
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#### Average For North Carolina

total rate	6.05	5.92
------------	------	------

total for all utilities (IOUs, munis, coops, etc.) 6.24

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Industrial Average Rates

		12 Months Ending 6/30	
		2019	2020
<b>South Carolina</b>			
<hr/>			
Dominion Energy South Carolina (formerly SCE&G)			
	total rate	6.18	6.34
Duke Energy Carolinas			
	total rate	5.50	5.72
Duke Energy Progress, Inc.			
	total rate	6.17	6.56
<hr/>			
<b>Average For South Carolina</b>			
	total rate	5.83	6.17
	total for all utilities (IOUs, munis, coops, etc.)	5.98	
<hr/>			
<b>Virginia</b>			
<hr/>			
AEP (Appalachian Power Rate Area)			
	generation	5.00	4.91
	transmission	1.09	1.12
	delivery	0.38	0.47
	total rate	6.47	6.50
Dominion Energy Virginia			
	total rate	6.29	6.24
Old Dominion Power Company			
	total rate	8.83	9.55
<hr/>			
<b>Average For Virginia</b>			
	generation	5.00	4.91
	transmission	1.09	1.12
	delivery	0.38	0.47
	total rate	6.39	6.40
	total for all utilities (IOUs, munis, coops, etc.)	6.91	

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Industrial Average Rates

12 Months Ending 6/30

2019 2020

#### West Virginia

AEP (Appalachian Power Rate Area)

total rate 6.46 6.50

AEP (Wheeling Power Rate Area)

total rate 5.50 5.46

Monongahela Power Company

total rate 6.30 5.93

Potomac Edison Company

total rate 7.10 6.66

#### Average For West Virginia

total rate 6.21 6.03

total for all utilities (IOUs, munis, coops, etc.) 6.12

#### Average For South Atlantic

generation 5.41 5.09

transmission 1.03 1.00

delivery 2.31 2.42

total rate 6.38 6.33

total for all utilities (IOUs, munis, coops, etc.) 6.40

#### East South Central

##### Alabama

Alabama Power Company

total rate 6.17 6.25

#### Average For Alabama

total rate 6.17 6.25

total for all utilities (IOUs, munis, coops, etc.) 6.00

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Industrial Average Rates

12 Months Ending 6/30

2019 2020

#### Kentucky

AEP (Kentucky Power Rate Area)

total rate 6.50 6.31

Duke Energy Kentucky

total rate 7.53 7.62

Kentucky Utilities Company

total rate 5.96 6.30

Louisville Gas & Electric Company

total rate 6.69 7.01

#### Average For Kentucky

total rate 6.33 6.55

total for all utilities (IOUs, munis, coops, etc.) 5.53

#### Mississippi

Entergy Mississippi, Inc.

total rate 6.55 6.66

Mississippi Power Company

total rate 6.82 6.40

#### Average For Mississippi

total rate 6.73 6.49

total for all utilities (IOUs, munis, coops, etc.) 6.00

#### Tennessee

AEP (Kingsport Power Rate Area)

total rate 6.12 6.57

#### Average For Tennessee

total rate 6.12 6.57

total for all utilities (IOUs, munis, coops, etc.) 5.75

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Industrial Average Rates

12 Months Ending 6/30

2019 2020

#### Average For East South Central

total rate	6.31	6.38
total for all utilities (IOUs, munis, coops, etc.)	5.81	

#### West South Central

##### Arkansas

Empire District Electric Company	total rate	7.45	7.76
Entergy Arkansas, Inc.	total rate	5.80	6.35
OG&E Electric Services	total rate	5.00	5.11
Southwestern Electric Power Company	total rate	5.92	5.73

#### Average For Arkansas

total rate	5.75	6.16
total for all utilities (IOUs, munis, coops, etc.)	5.70	



Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Industrial Average Rates

		12 Months Ending 6/30	
		2019	2020
<b>Louisiana</b>			
CLECO Power LLC			
	total rate	7.49	7.31
Entergy Louisiana, Inc.			
	total rate	4.89	4.55
Entergy Louisiana, LLC (formerly Entergy Gulf States, Inc.)			
	total rate	5.08	4.64
Entergy New Orleans, Inc.			
	total rate	7.21	5.83
Southwestern Electric Power Company			
	total rate	7.12	6.91
<b>Average For Louisiana</b>			
	total rate	5.23	4.84
	total for all utilities (IOUs, munis, coops, etc.)	5.32	
<b>Oklahoma</b>			
Empire District Electric Company			
	total rate	7.61	7.21
OG&E Electric Services			
	total rate	4.73	4.38
Public Service Company of Oklahoma			
	total rate	4.95	4.42
	total rate	4.95	4.42
<b>Average For Oklahoma</b>			
	total rate	4.88	4.41
	total for all utilities (IOUs, munis, coops, etc.)	5.12	

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Industrial Average Rates

12 Months Ending 6/30

2019 2020

#### Texas

El Paso Electric Company			
	total rate	6.86	7.01
Entergy Texas			
	total rate	4.76	4.57
Southwestern Electric Power Company			
	total rate	6.31	6.30
Southwestern Public Service			
	total rate	4.16	3.45

#### Average For Texas

	total rate	4.77	4.40
	total for all utilities (IOUs, munis, coops, etc.)	5.33	

#### Average For West South Central

	total rate	5.10	4.79
	total for all utilities (IOUs, munis, coops, etc.)	5.34	

#### Mountain

##### Arizona

Arizona Public Service Company			
	total rate	8.33	7.44
Tucson Electric Power Company			
	total rate	6.83	6.81
Unisource Electric Company			
	total rate	6.93	7.37

#### Average For Arizona

	total rate	7.61	7.15
	total for all utilities (IOUs, munis, coops, etc.)	6.51	

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Industrial Average Rates

		12 Months Ending 6/30	
		2019	2020
<b>Colorado</b>			
Black Hills/Colorado Electric			
	total rate	8.51	8.41
Public Service Company of Colorado			
	total rate	6.30	6.12
<b>Average For Colorado</b>			
	total rate	6.46	6.28
	total for all utilities (IOUs, munis, coops, etc.)	7.39	
<b>Idaho</b>			
Avista Corp.			
	total rate	5.17	4.50
Idaho Power Company			
	total rate	5.45	5.15
PacifiCorp			
	total rate	6.87	6.78
<b>Average For Idaho</b>			
	total rate	5.93	5.59
	total for all utilities (IOUs, munis, coops, etc.)	6.27	

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Industrial Average Rates

		12 Months Ending 6/30	
		2019	2020
<b>Montana</b>			
<hr/>			
Black Hills Power, Inc. d/b/a Black Hills Energy			
	total rate	6.90	6.76
Montana-Dakota Utilites Company			
	total rate	7.00	7.74
NorthWestern Energy (formerly Montana Power)			
	generation	5.84	6.24
	transmission	0.73	0.70
	delivery	0.47	0.51
	ctc	0.25	0.25
	total rate	7.29	7.71
<hr/>			
<b>Average For Montana</b>			
	generation	5.84	6.24
	transmission	0.73	0.70
	delivery	0.47	0.51
	ctc	0.25	0.25
	total rate	7.09	7.58
	total for all utilities (IOUs, munis, coops, etc.)	5.62	
<hr/>			
<b>Nevada</b>			
<hr/>			
Nevada Power Company - NV Energy			
	total rate	7.85	7.99
Sierra Pacific Power Company - NV Energy			
	total rate	5.24	5.12
<hr/>			
<b>Average For Nevada</b>			
	total rate	6.79	6.82
	total for all utilities (IOUs, munis, coops, etc.)	5.98	

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Industrial Average Rates

		12 Months Ending 6/30	
		2019	2020
<b>New Mexico</b>			
<hr/>			
El Paso Electric Company			
	total rate	6.84	6.61
Southwestern Public Service			
	total rate	5.01	4.67
<hr/>			
<b>Average For New Mexico</b>			
	total rate	5.06	4.72
	total for all utilities (IOUs, munis, coops, etc.)	5.65	
<hr/>			
<b>Utah</b>			
<hr/>			
PacifiCorp			
	total rate	5.91	5.73
<hr/>			
<b>Average For Utah</b>			
	total rate	5.91	5.73
	total for all utilities (IOUs, munis, coops, etc.)	5.95	
<hr/>			
<b>Wyoming</b>			
<hr/>			
Black Hills Power, Inc. d/b/a Black Hills Energy			
	total rate	8.61	8.49
Cheyenne Light, Fuel & Power d/b/a Black Hills Energy			
	total rate	6.38	6.33
Montana-Dakota Utilities Company			
	total rate	7.59	7.03
PacifiCorp			
	total rate	6.15	6.32
<hr/>			
<b>Average For Wyoming</b>			
	total rate	6.22	6.37
	total for all utilities (IOUs, munis, coops, etc.)	6.62	

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Industrial Average Rates

12 Months Ending 6/30

2019 2020

#### Average For Mountain

generation	5.84	6.24
transmission	0.73	0.70
delivery	0.47	0.51
ctc	0.25	0.25
total rate	6.30	6.14
total for all utilities (IOUs, munis, coops, etc.)	6.39	

#### Pacific

##### California

Pacific Gas & Electric Company

total rate	9.94	10.53
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PacifiCorp

total rate	13.56	12.90
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Southern California Edison

generation	6.14	6.82
transmission	0.87	0.50
delivery	2.02	1.93
total rate	10.18	10.94

#### Average For California

generation	6.14	6.82
transmission	0.87	0.50
delivery	2.02	1.93
total rate	10.03	10.65
total for all utilities (IOUs, munis, coops, etc.)	13.26	

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Industrial Average Rates

12 Months Ending 6/30

2019 2020

#### Oregon

Idaho Power Company

total rate 6.00 5.96

PacifiCorp

total rate 7.88 7.39

#### Average For Oregon

total rate 7.65 7.21

total for all utilities (IOUs, munis, coops, etc.) 6.16

#### Washington

Avista Corp.

total rate 6.59 6.70

PacifiCorp

total rate 7.12 6.90

Puget Sound Energy

total rate 9.21 9.01

#### Average For Washington

total rate 7.76 7.63

total for all utilities (IOUs, munis, coops, etc.) 4.83

#### Average For Pacific

generation 6.14 6.82

transmission 0.87 0.50

delivery 2.02 1.93

total rate 9.55 9.99

total for all utilities (IOUs, munis, coops, etc.) 10.50

Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### Industrial Average Rates

12 Months Ending 6/30

2019 2020

#### Hawaii

##### Hawaii

Hawaii Electric Light Company	total rate	30.56	29.58
Hawaiian Electric Company	total rate	25.25	23.90
Maui Electric Company (Lanai)	total rate	40.01	40.25
Maui Electric Company (Maui)	total rate	31.36	30.68
Maui Electric Company (Molokai)	total rate	34.08	31.49

##### Average For Hawaii

total rate	26.35	25.06
total for all utilities (IOUs, munis, coops, etc.)	26.63	

#### Average For USA

generation	6.05	5.80
transmission	0.98	0.96
delivery	1.36	1.41
ctc	0.17	0.28
total rate	6.79	6.63
total for all utilities (IOUs, munis, coops, etc.)	7.65	





Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### International Residential Rates in effect July 1, 2020

#### General Service

Fuel Clause  
Adjustment (FCA) in  
cents:

500 kWh 750 kWh 1000 kWh

#### Canada

ATCO Electric					FCA:
	transmission	\$19.55	\$29.33	\$39.10	
	delivery	\$71.71	\$88.86	\$106.01	
	total rate	\$91.26	\$118.19	\$145.11	
British Columbia Hydro and Power Authority					FCA:
	total rate	\$39.04	\$58.84	\$84.65	
Hydro-Quebec					FCA:
	total rate	\$31.35	\$42.54	\$53.73	
Manitoba Hydro					FCA:
	total rate	\$38.51	\$54.59	\$70.68	
New Brunswick Power					FCA:
	total rate	\$57.63	\$78.20	\$98.78	
Nova Scotia Power, Inc.					FCA:
	total rate	\$66.15	\$95.23	\$124.31	

#### Average For Canada

transmission	\$19.55	\$29.33	\$39.10
delivery	\$71.71	\$88.86	\$106.01
total rate	\$53.99	\$74.60	\$96.21



Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### International Commercial Rates in effect July 1, 2020

#### General Service

Fuel Clause  
Adjustment (FCA) in  
cents:

Demand:			40 kW	40 kW	500 kW	500 kW
Consumption:	375 kWh	1500 kWh	10,000 kWh	14,000 kWh	150,000 kWh	180,000 kWh

#### Canada

ATCO Electric							FCA:
transmission	\$33	\$46	\$342	\$388	\$4,557	\$4,902	
delivery	\$63	\$89	\$606	\$606	\$7,411	\$7,411	
total rate	\$95	\$134	\$948	\$994	\$11,968	\$12,313	
British Columbia Hydro and Power Authority							FCA:
total rate	\$42	\$145	\$869	\$1,151	\$11,128	\$12,453	
Hydro-Quebec							FCA:
total rate	\$36	\$118	\$738	\$1,029	\$10,920	\$12,031	
Manitoba Hydro							FCA:
total rate	\$40	\$114	\$677	\$892	\$9,483	\$10,413	
New Brunswick Power							FCA:
total rate	\$54	\$166	\$1,022	\$1,302	\$14,493	\$16,600	
Nova Scotia Power, Inc.							FCA:
total rate	\$52	\$172	\$1,164	\$1,429	\$16,211	\$18,198	

#### Average For Canada

transmission	\$33	\$46	\$342	\$388	\$4,557	\$4,902
delivery	\$63	\$89	\$606	\$606	\$7,411	\$7,411
total rate	\$53	\$142	\$903	\$1,133	\$12,367	\$13,668



Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### International Industrial Rates in effect July 1, 2020

#### General Service

Fuel Clause  
Adjustment (FCA) in  
cents:

Demand in kW:	75	75	75	1000	1000	1000	50,000	50,000	50,000
Consumption in kWh:	15,000	30,000	50,000	200,000	400,000	650,000	15,000,000	25,000,000	32,500,000

### Canada

#### ATCO Electric

FCA:

transmission	\$802	\$973	\$1,201	\$11,270	\$13,550	\$16,400	\$648,920	\$762,920	\$848,420
delivery	\$735	\$735	\$735	\$7,419	\$7,419	\$7,419	\$307,740	\$307,740	\$307,740
total rate	\$1,536	\$1,707	\$1,935	\$18,688	\$20,968	\$23,818	\$956,659	\$1,070,659	\$1,156,159

#### British Columbia Hydro and Power Authority

FCA:

total rate	\$1,360	\$2,418	\$3,828	\$17,382	\$26,082	\$36,957	\$874,062	\$1,245,547	\$1,524,161
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#### Hydro-Quebec

FCA:

total rate	\$1,347	\$1,916	\$2,656	\$17,953	\$23,725	\$30,589	\$731,809	\$973,249	\$1,154,330
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#### Manitoba Hydro

FCA:

total rate	\$1,244	\$1,790	\$2,410	\$15,699	\$21,898	\$29,647	\$643,567	\$903,320	\$1,098,134
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#### New Brunswick Power

FCA:

total rate	\$1,519	\$2,241	\$3,204	\$18,631	\$26,551	\$36,452	\$1,129,545	\$1,525,567	\$1,822,584
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#### Nova Scotia Power, Inc.

FCA:

total rate	\$1,735	\$2,752	\$4,047	\$23,119	\$35,416	\$50,788	\$1,474,698	\$2,111,572	\$2,589,227
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### Average For Canada

transmission	\$802	\$973	\$1,201	\$11,270	\$13,550	\$16,400	\$648,920	\$762,920	\$848,420
delivery	\$735	\$735	\$735	\$7,419	\$7,419	\$7,419	\$307,740	\$307,740	\$307,740
total rate	\$1,457	\$2,137	\$3,013	\$18,579	\$25,773	\$34,708	\$968,390	\$1,304,986	\$1,557,432



Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### International Annualized Rates in effect July 1, 2020

The data below is presented in this format for each company:									
Class of Service:	res	res	res	com	com	com	ind	ind	ind
Demand (kW):					40	500	75	1,000	50,000
low load factor(kWh):	500	750	1,000	375	10,000	150,000	15,000	200,000	15,000,000
mid load factor:				1,500	14,000	180,000	30,000	400,000	25,000,000
high load factor:							50,000	650,000	32,500,000

#### Canada

##### ATCO Electric

\$91.26	\$118.19	\$145.11	\$95	\$948	\$11,968	\$1,536	\$18,688	\$956,659
			\$134	\$994	\$12,313	\$1,707	\$20,968	\$1,070,659
						\$1,935	\$23,818	\$1,156,159

##### British Columbia Hydro and Power Authority

\$39.04	\$58.84	\$84.65	\$42	\$869	\$11,128	\$1,360	\$17,382	\$874,062
			\$145	\$1,151	\$12,453	\$2,418	\$26,082	\$1,245,547
						\$3,828	\$36,957	\$1,524,161

##### Hydro-Quebec

\$31.35	\$42.54	\$53.73	\$36	\$738	\$10,920	\$1,347	\$17,953	\$731,809
			\$118	\$1,029	\$12,031	\$1,916	\$23,725	\$973,249
						\$2,656	\$30,589	\$1,154,330

##### Manitoba Hydro

\$38.51	\$54.59	\$70.68	\$40	\$678	\$9,483	\$1,244	\$15,699	\$643,567
			\$114	\$892	\$10,413	\$1,790	\$21,898	\$903,320
						\$2,410	\$29,647	\$1,098,134

##### New Brunswick Power

\$57.63	\$78.20	\$98.78	\$54	\$1,022	\$14,493	\$1,519	\$18,631	\$1,129,545
			\$166	\$1,302	\$16,600	\$2,241	\$26,551	\$1,525,567
						\$3,204	\$36,452	\$1,822,584

##### Nova Scotia Power, Inc.

\$66.15	\$95.23	\$124.31	\$52	\$1,164	\$16,211	\$1,735	\$23,119	\$1,474,698
			\$172	\$1,429	\$18,198	\$2,752	\$35,416	\$2,111,572
						\$4,047	\$50,788	\$2,589,227



Edison Electric Institute

## Typical Electric Bills

(in \$/month)

### International Annualized Rates in effect July 1, 2020

The data below is presented in this format for each company:

Class of Service:	res	res	res	com	com	com	ind	ind	ind
Demand (kW):					40	500	75	1,000	50,000
low load factor(kWh):	500	750	1,000	375	10,000	150,000	15,000	200,000	15,000,000
mid load factor:				1,500	14,000	180,000	30,000	400,000	25,000,000
high load factor:							50,000	650,000	32,500,000

**Average for:**

**Canada**

\$53.99	\$74.60	\$96.21	\$53	\$903	\$12,367	\$1,457	\$18,579	\$968,390
			\$142	\$1,133	\$13,668	\$2,137	\$25,773	\$1,304,986
						\$3,013	\$34,708	\$1,557,432



Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### International Total Retail Average Rates

		12 Months Ending 6/30	
		2019	2020
<b>Canada</b>			
ATCO Electric	transmission	10.52	
	delivery	20.99	
British Columbia Hydro and Power Authority	total rate	7.74	7.58
Hydro-Quebec	total rate	5.41	5.16
Manitoba Hydro	total rate	5.77	5.73
New Brunswick Power	total rate	8.24	24.00
Nova Scotia Power, Inc.	total rate	10.55	10.42
<b>Average For Canada</b>			
	transmission	10.52	
	delivery	20.99	
	total rate	6.26	6.22



Edison Electric Institute

## Average Rates

(in cents/kilowatthour)

### International Residential Average Rates

		12 Months Ending 6/30	
		2019	2020
<b>Canada</b>			
ATCO Electric	transmission	3.90	3.89
	delivery	14.05	13.91
British Columbia Hydro and Power Authority	total rate	9.08	8.71
Hydro-Quebec	total rate	6.17	2.38
Manitoba Hydro	total rate	6.99	6.92
New Brunswick Power	total rate	9.50	9.47
Nova Scotia Power, Inc.	total rate	12.56	12.35
<b>Average For Canada</b>			
	transmission	3.90	3.89
	delivery	14.05	13.91
	total rate	7.17	3.37



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## Average Rates

(in cents/kilowatthour)

### International Commercial Average Rates

		12 Months Ending 6/30	
		2019	2020
<b>Canada</b>			
ATCO Electric	transmission	3.58	3.72
	delivery	4.48	4.53
British Columbia Hydro and Power Authority	total rate	7.80	7.58
Hydro-Quebec	total rate	6.43	6.28
Manitoba Hydro	total rate	5.93	5.90
New Brunswick Power	total rate	9.61	9.44
Nova Scotia Power, Inc.	total rate	10.44	10.30
<b>Average For Canada</b>			
	transmission	3.58	3.72
	delivery	4.48	4.53
	total rate	7.06	6.90





Edison Electric Institute

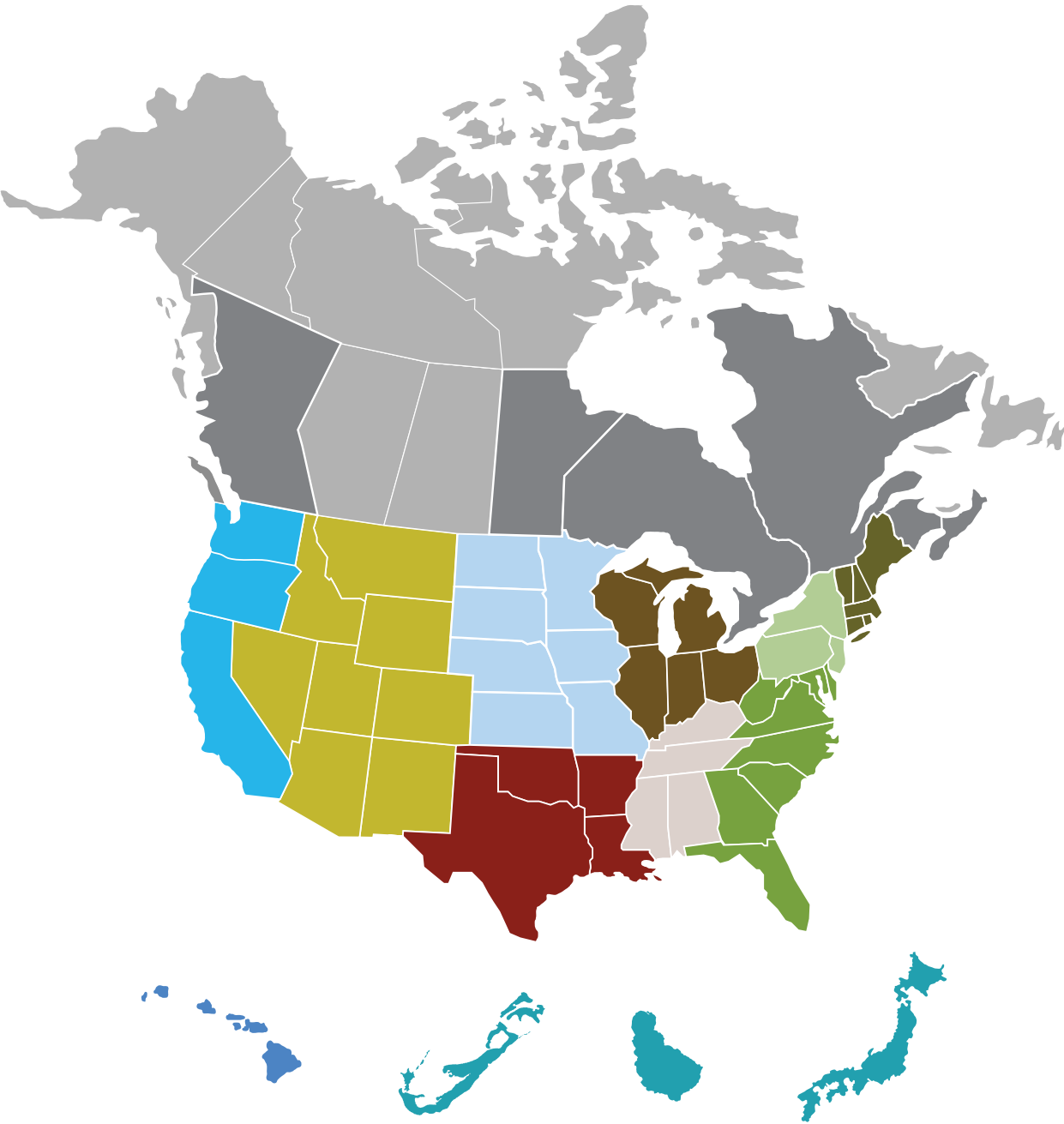
## Average Rates













(in cents/kilowatthour)

### International Industrial Average Rates

		12 Months Ending 6/30	
		2019	2020
<b>Canada</b>			
ATCO Electric	transmission	3.04	3.47
	delivery	2.46	2.47
British Columbia Hydro and Power Authority	total rate	4.83	4.61
Hydro-Quebec	total rate	3.43	3.19
Manitoba Hydro	total rate	4.17	4.14
New Brunswick Power	total rate	5.79	5.56
Nova Scotia Power, Inc.	total rate	7.10	6.84
<b>Average For Canada</b>			
	transmission	3.04	3.47
	delivery	2.46	2.47
	total rate	3.98	3.71

Regional Map



 New England CT, ME, MA, NH, RI, VT	 West North Central Region IA, KS, MN, MO, ND, SD	 West South Central Region AR, LA, OK, TX	 Hawaii Region HI
 Mid-Atlantic Region NJ, NY, PA	 South Atlantic Region DE, District of Columbia, FL, GA, MD, NC, SC, VA, W.VA	 Mountain Region AZ, CO, ID, MT, NV, NM, UT, WY	 International Participants BB, BM, JP
 East North Central Region IL, IN, MI, OH, WI	 East South Central Region AL, KY, MS, TN	 Pacific Region CA, OR, WA	 Canada BC, QC, MN, NB

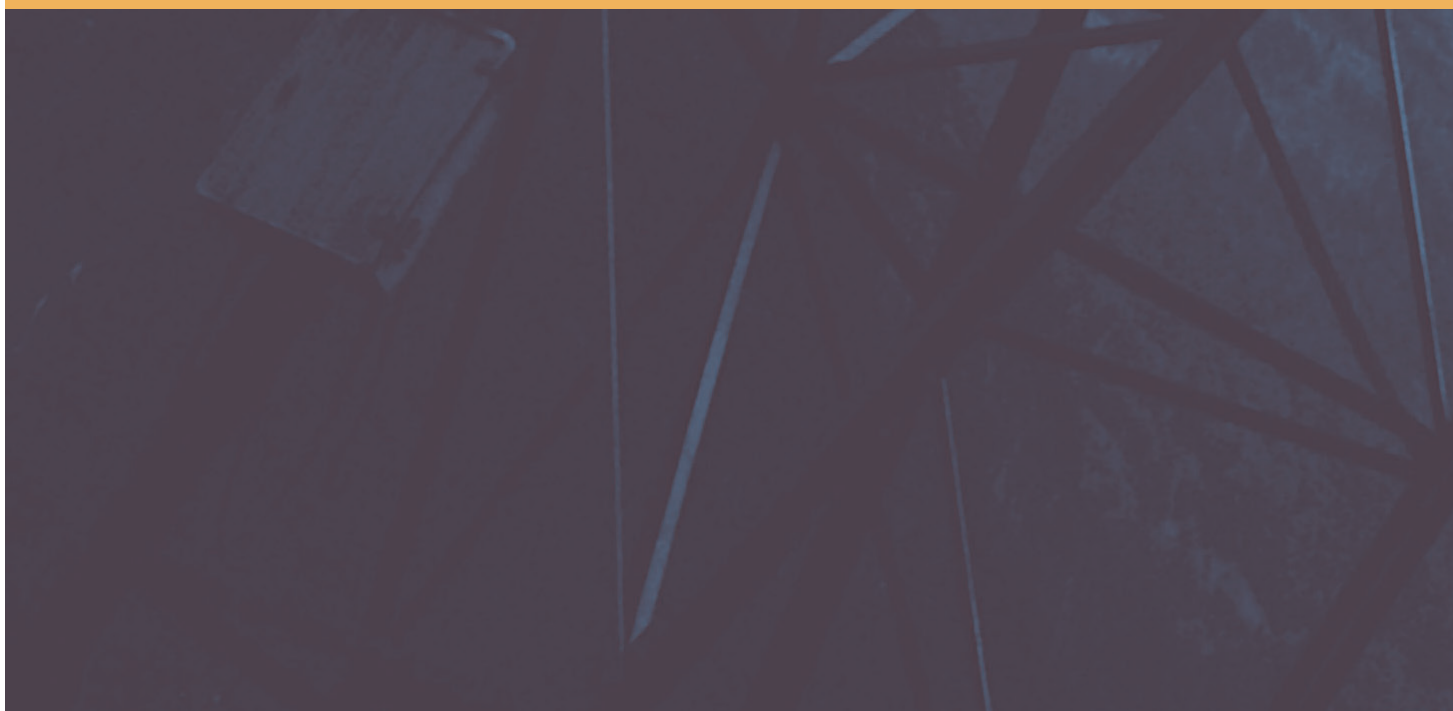
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Division 2-13

Request:

Mr. Sorgi states (at 11:10) that PPL has extensive experience with grid modernization initiatives and innovation and that it will “help advance Rhode Island’s ambitious decarbonization goals.” Please provide a detailed description of PPL’s grid modernization experience. To the extent that PPL has prepared a grid modernization plan for any of its regulated utilities, please provide examples of such plans.

Response:

For more than the past decade, PPL Electric Utilities Corporation (“PPL Electric” or the “Company”) has been working to both innovate and modernize a new concept of the electrical grid. This grid of the future will be able to better manage traditional power and renewables as well as ensure that everyone is receiving safe, reliable and cost-efficient electricity when and where they need it.

PPL Electric’s grid modernization focused on developing telemetered systems that would be leveraged by centralized operations systems to provide industry leading safety, reliability, power quality, and customer satisfaction for its employees and customers. The key milestones in PPL Electric’s grid modernization effort include:

- 2002 – PPL Electric successfully deployed one of North America’s first automated metering infrastructure (“AMI”) systems through power line carrier (“PLC”) communication that enabled remote data transactions and meter reads.
- 2006 – PPL Electric deployed its meter data management system, which supported the processing of meter data. The Company was one of the first utilities in the country to present hourly usage data to all customers.
- 2009 – Deployed centralized supervisory control and data acquisition (“SCADA”) for the distribution system.
- 2011 – PPL Electric began a multi-year distribution telemetered device program for its backbone protective and switchable devices in order to provide improvement to customer reliability.
- 2014 – The Company completed its deployment of its Distribution Management System (“DMS”) that integrated its existing telemetered distribution protective devices and AMI meters.

PPL CORPORATION, PPL RHODE ISLAND HOLDINGS, LLC,  
NATIONAL GRID USA, and THE NARRAGANSETT ELECTRIC COMPANY

Docket No. D-21-09

PPL Corporation and PPL Rhode Island Holdings, LLC's

Responses to Division's Second Set of Data Requests

Issued on June 11, 2021

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- 2015 – The Company initiated a pilot program to have its DMS system autonomously react to power outages via its fault location isolation and service restoration (“FLISR”) software.
- 2016 – The Company initiated a multi-year roll out to upgrade its distribution substation circuit breaker relays that increases the amount of data to its DMS.
- 2016 – PPL Electric fully deployed one of the United States’ first fully autonomous FLISR systems to its entire territory. When paired with the distribution automation of its switchable, protective telemetered devices led to significant improvements to customer reliability.
- 2019 – PPL Electric, through a grant with the U.S. department of Energy, led the development of a distributed energy resource (“DER”) enhanced DMS systems with its vendor General Electric. PPL created this system to integrate DER behavior into its operational system to better integrate DER assets into the distribution grid safely and reliably.
- 2019 – The Company received awards from EPRI and SEL for its development of a high impedance fault detection (downed wire) device programming, which it has deployed on many of its telemetered distribution devices.
- 2020 – PPL Electric completed the upgrade of its entire remote AMI PLC system with a newer and more advanced Radio Frequency (“RF”) Mesh AMI system. The upgrade allowed the Company to leverage the new smart meter capabilities and data to streamline business processes and improve decision making abilities, and providing value to customers.
- 2021 – The Company will be completing a multi-year program to add telemetry to all its multi-phase switchable distribution capacitors. There are currently more than 2,300 devices programmed through this program. Each of these devices are currently managed out of the Company’s Advanced DMS (“ADMS”) system for system volt-var support.
- 2021 – The Company initiated a multi-year program to add telemetry to its underground Low Tension Network (“LTN”) devices, including network protectors that will allow for management out of the Company’s ADMS system for system volt-var support.
- 2021 – The Company initiated a multi-year program to add telemetry to its distribution voltage regulators that will allow for their management through the Company’s ADMS system for system volt-var support.
- 2021 – The Company completed an upgrade of its existing DMS systems to its vendor’s ADMS system that provides additional functionality for DER and non-DER systems.

PPL CORPORATION, PPL RHODE ISLAND HOLDINGS, LLC,  
NATIONAL GRID USA, and THE NARRAGANSETT ELECTRIC COMPANY  
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- 2021 – PPL Electric began implementing a 3-year, Pennsylvania Public Utilities Commission-approved, DER Management pilot program. The pilot enables the Company to test and evaluate the costs and benefits of monitoring and actively managing smart inverters that meet the latest IEEE standards. The pilot is intended to improve the safety, reliability, power quality, and stability of the Company's grid operations and increase adoption of DER across the Company's service area at a lower cost to customers.

The next steps in the grid modernization plan focus on developing improvements to the Company's ADMS and DER Management systems in preparation for the grid of the future, including regulatory initiatives such as FERC Order 2222. In addition, the Company is expanding reliability and grid stability functionality through new dynamic protective settings on its distribution telemetered protective and switchable devices in order more effectively react to the dynamically changing grid.