Jennifer Brooks Hutchinson
Senior Counsel
PPL Services Corporation
JHutchinson@pplweb.com;

280 Melrose Street
Providence, RI 02907
Phone 401-316-7429

Rhode Island Energy™
a PPL company

April 23, 2025

VIA ELECTRONIC MAIL AND HAND DELIVERY

Stephanie De La Rosa, Commission Clerk
Rhode Island Public Utilities Commission
89 Jefferson Boulevard
Warwick, RI 02888

RE: Docket No. 25-08-GE – The Narragansett Electric Company d/b/a Rhode Island Energy PUC's Inquiry Into Rhode Island Energy's Billing Systems Practices and Performance
Response to PUC Joint Data Request – Set 3

Dear Ms. De La Rosa:

On behalf of The Narragansett Electric Company d/b/a Rhode Island Energy (the "Company"), I am enclosing the Company's response to data request PUC 3-1 issued in the Public Utilities Commission's Third Set of Joint Data Requests in the above-referenced docket.

In response to data request PUC 3-1, the Company is providing the Excel files labeled as Attachments PUC 3-1-a through PUC 3-1-f. Due to the very large electronic file sizes associated with these Excel files, the Company is providing Attachments PUC 3-1-a through PUC 3-1-f via a separate link.

Thank you for your attention to this matter. If you have any questions, please contact me at 401-316-7429.

Very truly yours,

Jennifer Brooks Hutchinson

Enclosure

cc: Docket No. 25-08-GE Service List

PUC 3-1[1]

Request:

Please produce the Company's response in a live Excel workbook with tabs for each subpart.

a. In histograms, please plot the electric usage of each A-16 customer for the following periods:
   i. August 2023;
   ii. August 2024;
   iii. September 2023;
   iv. September 2024;
   v. October 2023;
   vi. October 2024;
   vii. November 2023;
   viii. November 2024;
   ix. December 2023;
   x. December 2024;
   xi. January 2024;
   xii. January 2025;
   xiii. February 2024; and
   xiv. February 2025.

   Please allocate the observed data into 25 kWh bins. Please provide a table indicating the number of observations in each bin, as well as the proportion of each bin relative to the population.

b. Please repeat the processes in PUC 3-1(a), but for each gas customer in the R12 rate class for the following periods:
   i. December 2023;
   ii. December 2024;
   iii. January 2024;
   iv. January 2025;
   v. February 2024; and
   vi. February 2025.

   Please allocate the observed data into 10 therm bins. Please provide a table indicating the number of observations in each bin, as well as the proportion of each bin relative to the population.

[1] The Company's response begins on page 3.

PUC 3-1, page 2

c. In histograms, please plot the difference in each A-16 customer's electric usage for the following periods:
   i. August 2024, as compared to August 2023;
   ii. September 2024, as compared to September 2023;
   iii. October 2024, as compared to October 2023;
   iv. November 2024, as compared to November 2023;
   v. December 2024, as compared to December 2023;
   vi. January 2025, as compared to January 2024; and
   vii. February 2025, as compared to February 2024.

   Please allocate the observed data into 25 kWh bins. Please provide a table indicating the number of observations in each bin, as well as the proportion of each bin relative to the population.

d. Please repeat the processes in 3-1(c), but for each gas customer in the R12 rate class for the following periods:
   i. December 2024, as compared to December 2023;
   ii. January 2025, as compared to January 2024; and
   iii. February 2025, as compared to February 2024.

   Please allocate the observed data into 10 therm bins. Please provide a table indicating the number of observations in each bin, as well as the proportion of each bin relative to the population.

e. In histograms, please plot the percentage change of each A-16 customer's electric usage for the following periods:
   i. August 2024, as compared to August 2023;
   ii. September 2024, as compared to September 2023;
   iii. October 2024, as compared to October 2023;
   iv. November 2024, as compared to November 2023;
   v. December 2024, as compared to December 2023;
   vi. January 2025, as compared to January 2024; and
   vii. February 2025, as compared to February 2024.

   Please allocate the observed data into 5% bins. Please provide a table indicating the number of observations in each bin, as well as the proportion of each bin relative to the population.

PUC 3-1, page 3

f. Please repeat the processes in 3-1(e), but for each gas customer in the R12 rate class for the following periods:
   i. December 2024, as compared to December 2023;
   ii. January 2025, as compared to January 2024; and
   iii. February 2025, as compared to February 2024.

   Please allocate the observed data into 5% bins. Please provide a table indicating the number of observations in each bin, as well as the proportion of each bin relative to the population.

g. Please briefly describe any uncontrollable or confounding variables, such as weather, that may influence the data requested above. Are there any controls or adjustments that the Company implements to account for those variables? If so, please repeat the processes in PUC 3-1(a)-(f), but using appropriate controls or adjustments that the Company believes will account for any uncontrollable or confounding variables. Please describe any controls or adjustments employed and the effects observed on the dataset.

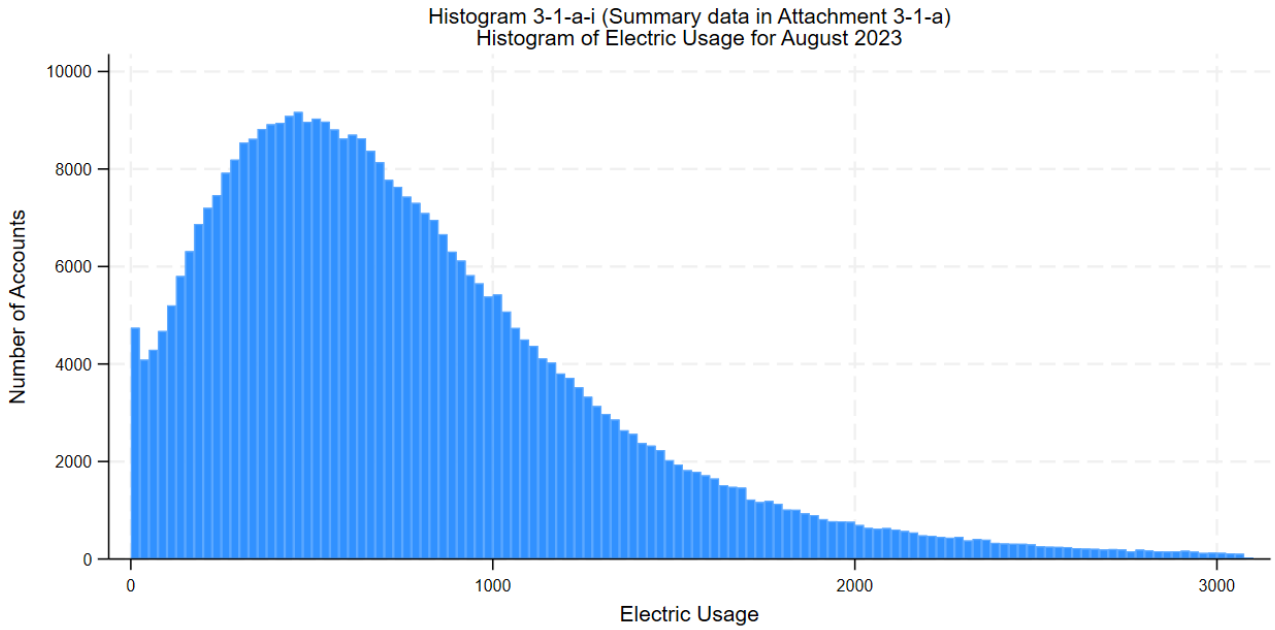
Response:

Notes for responses to (a) to (f): Data sets include only accounts with one bill corresponding to the month (or months) in each subpart. Accounts that received multiple bills corresponding to the month (or months) stated in the subpart (such as accounts that have one or more rebills sent in that month (those months)) are excluded from the response.

a. Please see Attachment PUC-3-1-a for a live Excel workbook with each tab corresponding to subparts (i) through (xiv) below.

PUC 3-1, page 4

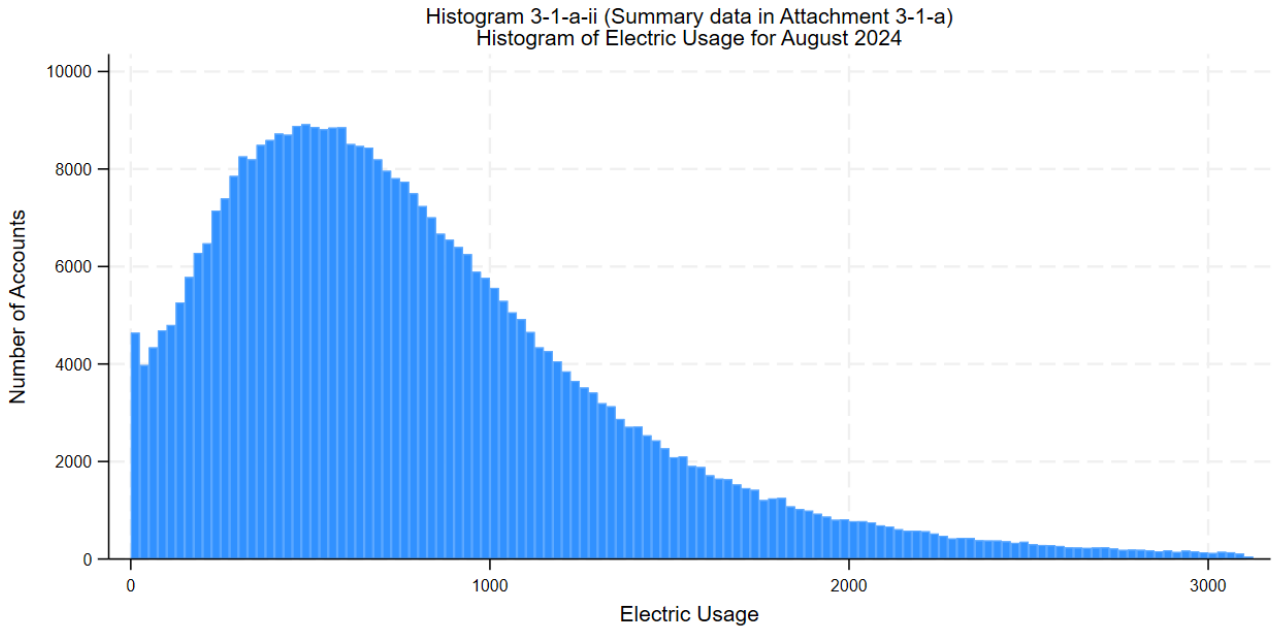
i. August 2023;



(a) Data for August 2023. Rate = A16. N = 412,857 accounts. Bin width = 25 kWh.
(b) Min = 0 kWh. Max = 125,600 kWh.
(c) N = 6,948 accounts have 0 kWh (accounts not shown).
(d) N = 4,130 accounts have usage greater than the 99th percentile (3,082.0 kWh; accounts not shown).
(e) Mean (Standard Deviation) = 795.1 (776.9) kWh.
(f) Percentiles: p(25) = 367.0 kWh. p(50) = 658.0 kWh. p(75) = 1,044.0 kWh.

PUC 3-1, page 5

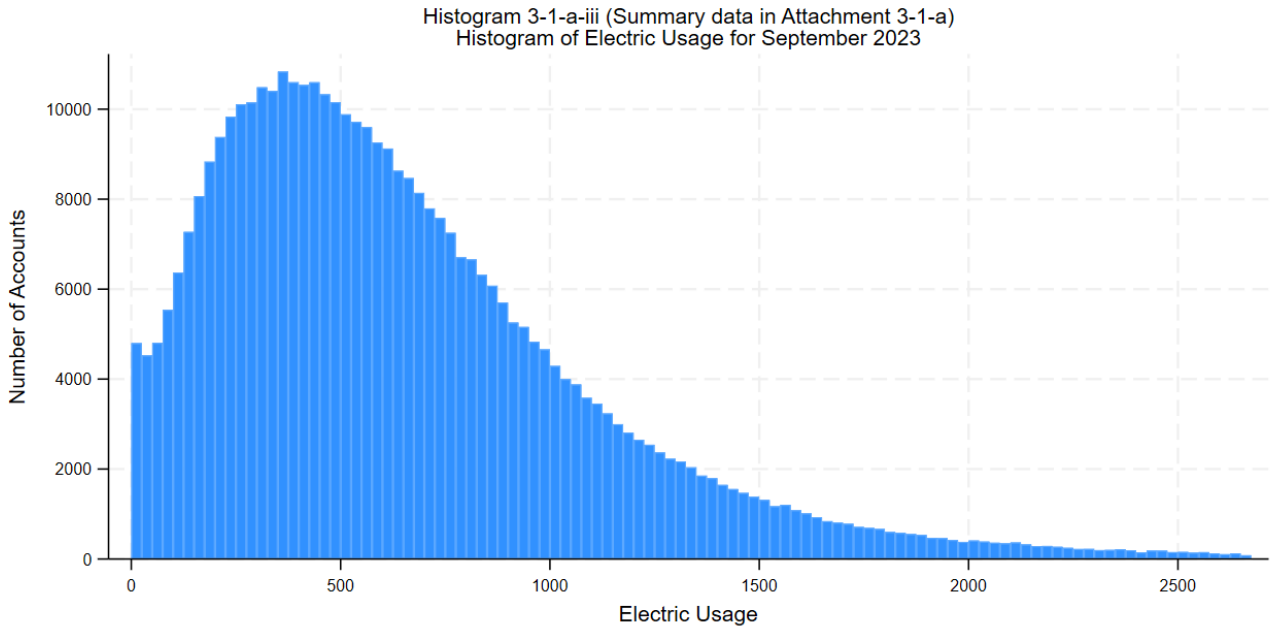
ii. August 2024;



(a) Data for August 2024. Rate = A16. N = 417,892 accounts. Bin width = 25 kWh.
(b) Min = 0 kWh. Max = 129,800 kWh.
(c) N = 7,109 accounts have 0 kWh (accounts not shown).
(d) N = 4,179 accounts have usage greater than the 99th percentile (3,111.0 kWh; accounts not shown).
(e) Mean (Standard Deviation) = 822.0 (820.3) kWh.
(f) Percentiles: p(25) = 386.0 kWh. p(50) = 685.0 kWh. p(75) = 1,080.0 kWh.

PUC 3-1, page 6

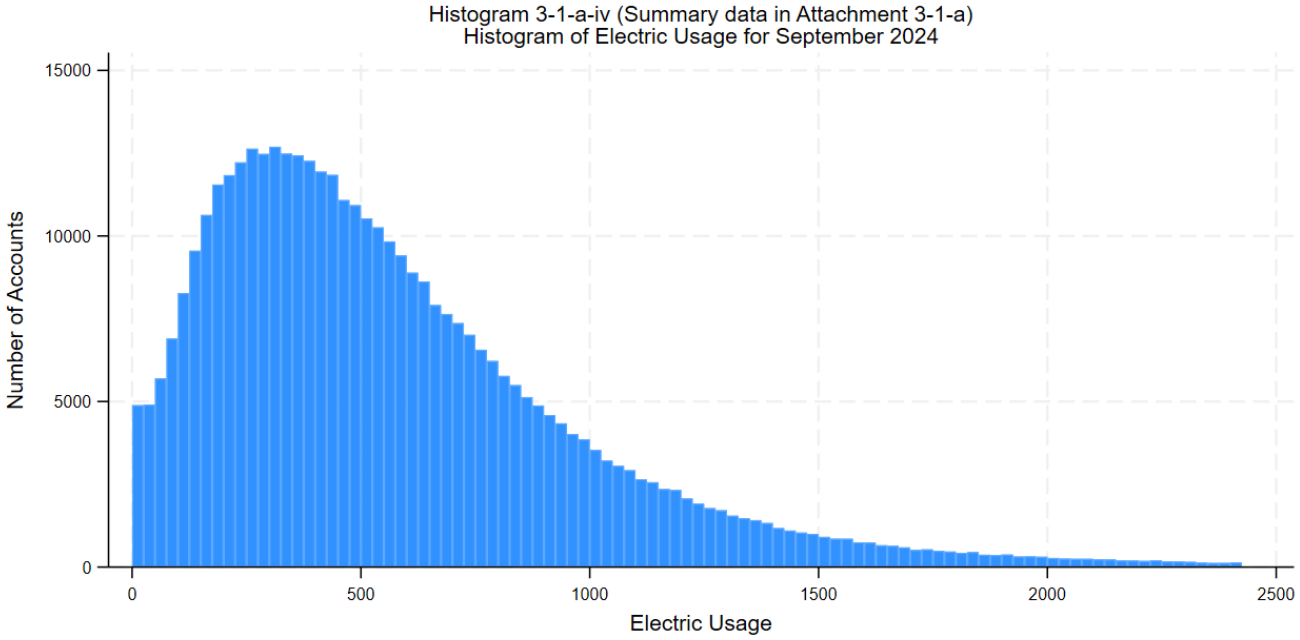
iii. September 2023;



(a) Data for September 2023. Rate = A16. N = 404,649 accounts. Bin width = 25 kWh.
(b) Min = 0 kWh. Max = 101,600 kWh.
(c) N = 6,728 accounts have 0 kWh (accounts not shown).
(d) N = 4,050 accounts have usage greater than the 99th percentile (2,668.0 kWh; accounts not shown).
(e) Mean (Standard Deviation) = 675.3 (674.4) kWh.
(f) Percentiles: p(25) = 311.0 kWh. p(50) = 555.0 kWh. p(75) = 883.0 kWh.

PUC 3-1, page 7

iv. September 2024;



(a) Data for September 2024. Rate = A16. N = 415,458 accounts. Bin width = 25 kWh.
(b) Min = 0 kWh. Max = 115,200 kWh.
(c) N = 11171 accounts have 0 kWh (accounts not shown).
(d) N = 4,158 accounts have usage greater than the 99th percentile (2,425.0 kWh; accounts not shown).
(e) Mean (Standard Deviation) = 591.1 (716.0) kWh.
(f) Percentiles: p(25) = 262.0 kWh. p(50) = 475.0 kWh. p(75) = 771.0 kWh.

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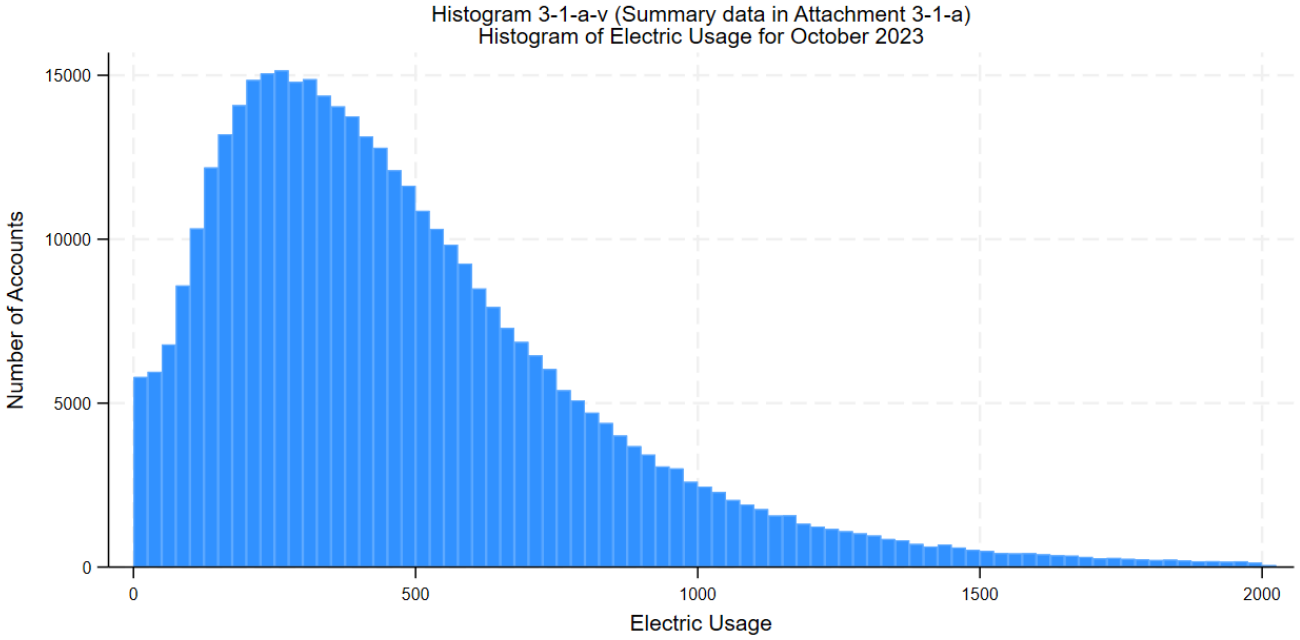
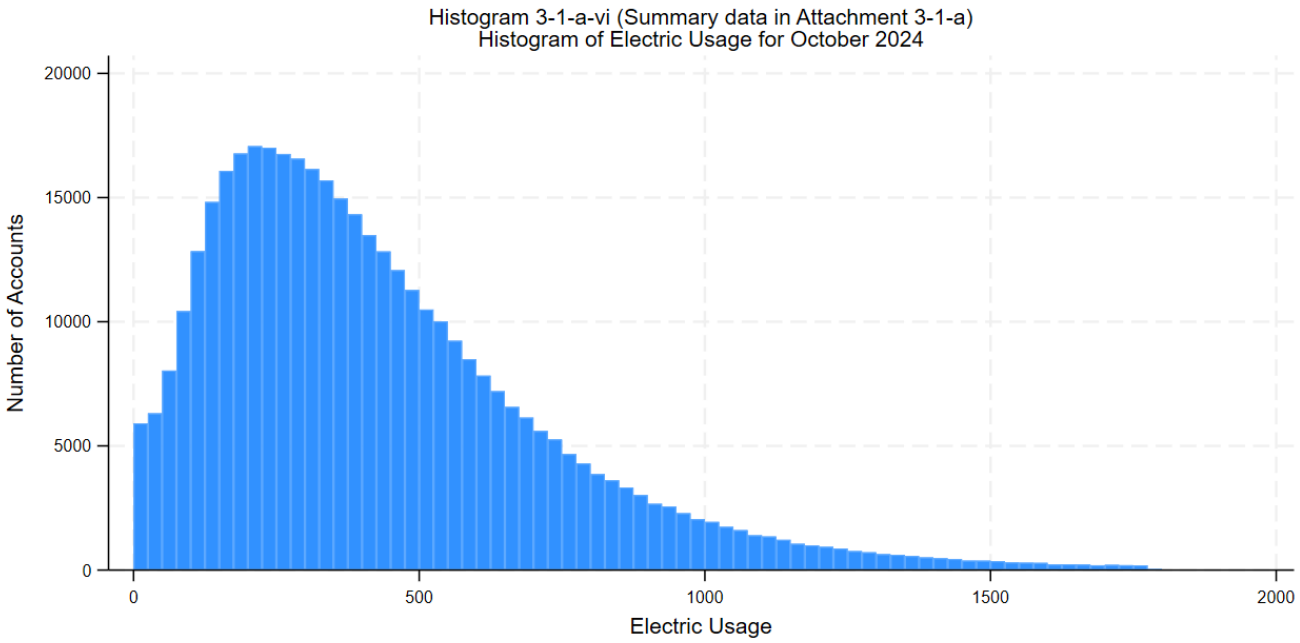
v. October 2023;



(a) Data for October 2023. Rate = A16. N = 409,173 accounts. Bin width = 25 kWh.
(b) Min = 0 kWh. Max = 94,000 kWh.
(c) N = 7,785 accounts have 0 kWh (accounts not shown).
(d) N = 4,097 accounts have usage greater than the 99th percentile (2,010.0 kWh; accounts not shown).
(e) Mean (Standard Deviation) = 499.2 (541.4) kWh.
(f) Percentiles: p(25) = 229.0 kWh. p(50) = 405.0 kWh. p(75) = 646.0 kWh.

PUC 3-1, page 9

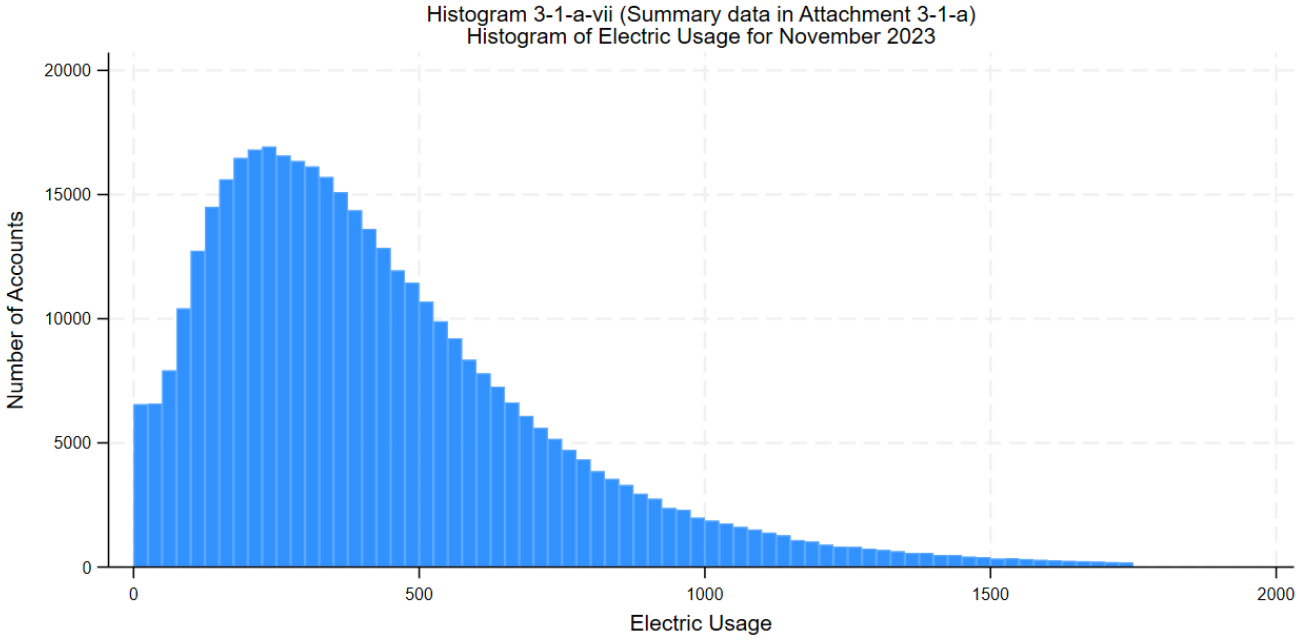
vi. October 2024;



(a) Data for October 2024. Rate = A16. N = 415,202 accounts. Bin width = 25 kWh.
(b) Min = 0 kWh. Max = 102,320 kWh.
(c) N = 11051 accounts have 0 kWh (accounts not shown).
(d) N = 4,160 accounts have usage greater than the 99th percentile (1,780.0 kWh; accounts not shown).
(e) Mean (Standard Deviation) = 445.0 (540.2) kWh.
(f) Percentiles: p(25) = 202.0 kWh. p(50) = 360.0 kWh. p(75) = 578.0 kWh.

PUC 3-1, page 10

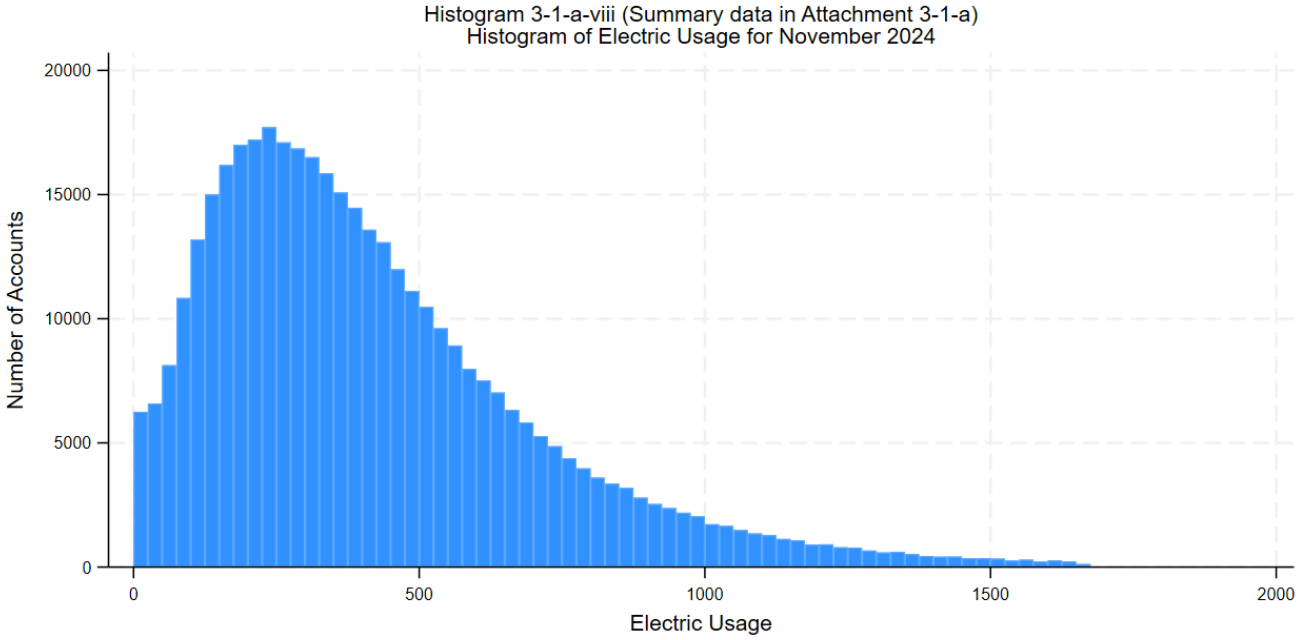
vii. November 2023;



(a) Data for November 2023. Rate = A16. N = 410,454 accounts. Bin width = 25 kWh.
(b) Min = 0 kWh. Max = 120,168 kWh.
(c) N = 7,123 accounts have 0 kWh (accounts not shown).
(d) N = 4,111 accounts have usage greater than the 99th percentile (1,748.0 kWh; accounts not shown).
(e) Mean (Standard Deviation) = 447.9 (512.0) kWh.
(f) Percentiles: p(25) = 206.0 kWh. p(50) = 364.0 kWh. p(75) = 581.0 kWh.

PUC 3-1, page 11

viii. November 2024;



(a) Data for November 2024. Rate = A16. N = 412,618 accounts. Bin width = 25 kWh.
(b) Min = 0 kWh. Max = 142,000 kWh.
(c) N = 11090 accounts have 0 kWh (accounts not shown).
(d) N = 4,138 accounts have usage greater than the 99th percentile (1,665.0 kWh; accounts not shown).
(e) Mean (Standard Deviation) = 430.6 (495.7) kWh.
(f) Percentiles: p(25) = 198.0 kWh. p(50) = 351.0 kWh. p(75) = 562.0 kWh.

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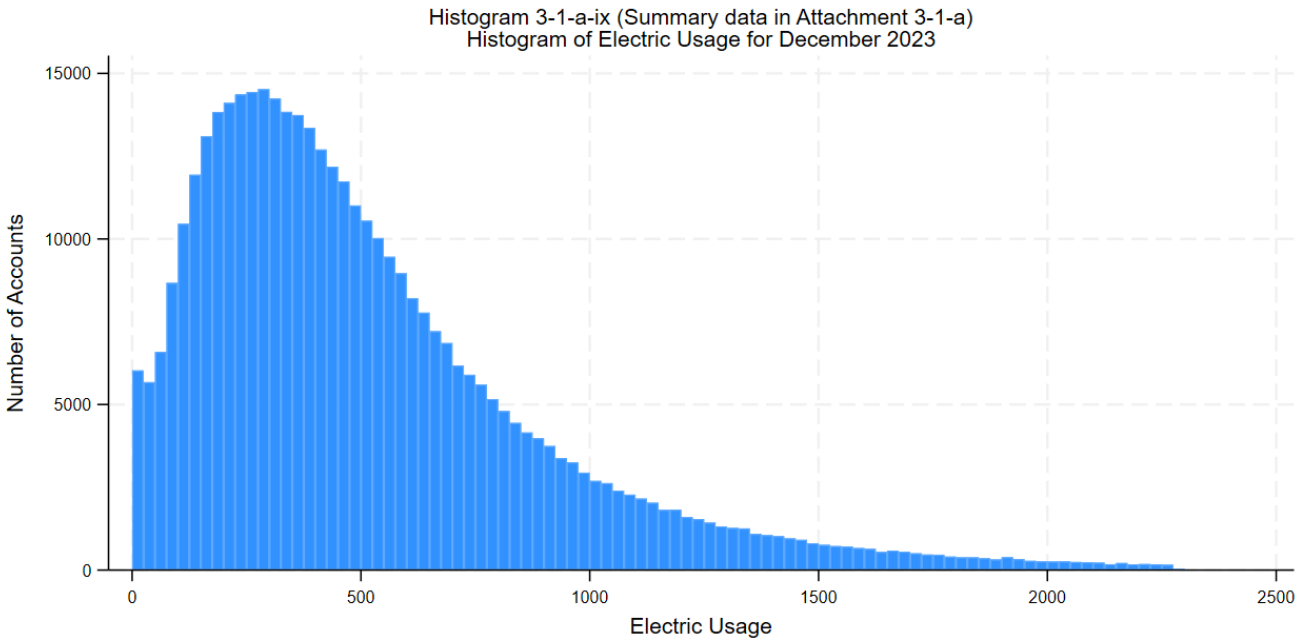
ix. December 2023;



(a) Data for December 2023. Rate = A16. N = 412,976 accounts. Bin width = 25 kWh.
(b) Min = 0 kWh. Max = 95,600 kWh.
(c) N = 5,435 accounts have 0 kWh (accounts not shown).
(d) N = 4,134 accounts have usage greater than the 99th percentile (2,280.0 kWh; accounts not shown).
(e) Mean (Standard Deviation) = 541.4 (582.7) kWh.
(f) Percentiles: p(25) = 237.0 kWh. p(50) = 423.0 kWh. p(75) = 695.0 kWh.

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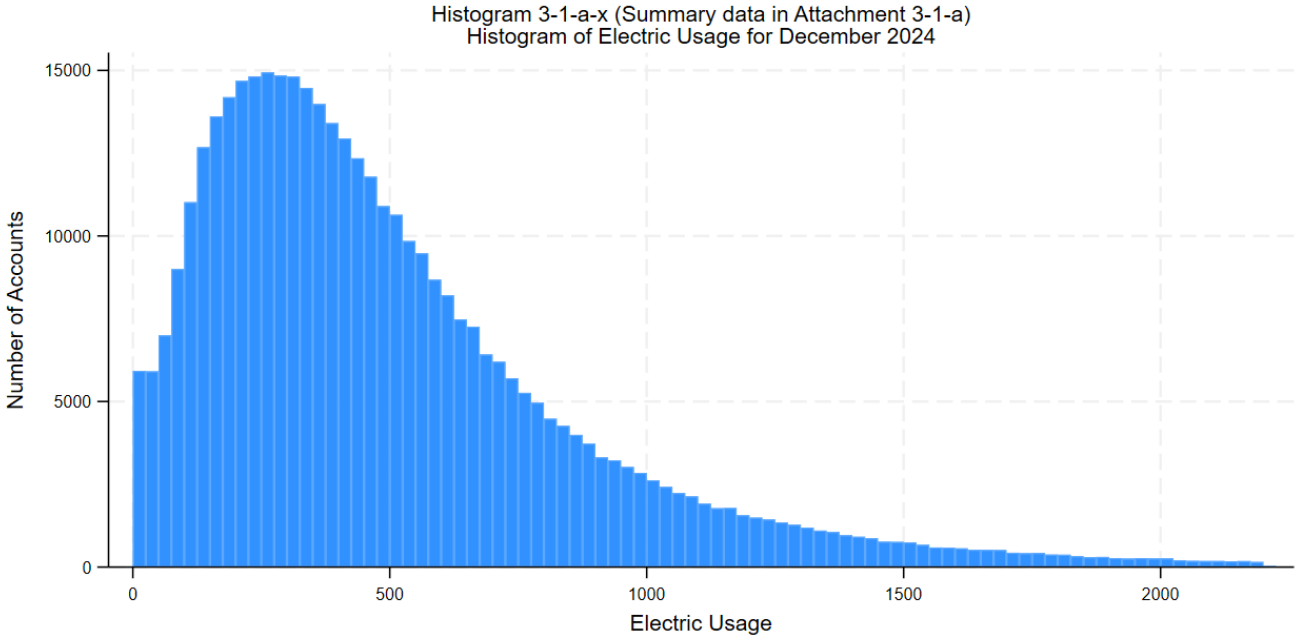
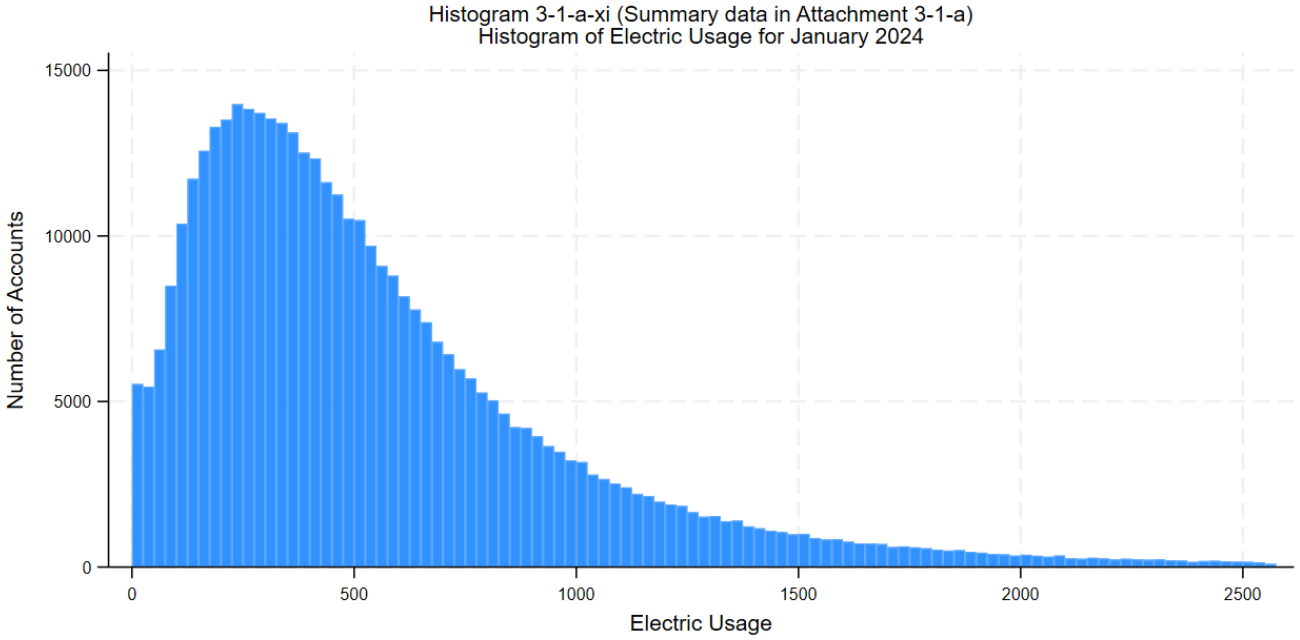
x. December 2024;



(a) Data for December 2024. Rate = A16. N = 413,084 accounts. Bin width = 25 kWh.
(b) Min = 0 kWh. Max = 102,000 kWh.
(c) N = 6,734 accounts have 0 kWh (accounts not shown).
(d) N = 4,131 accounts have usage greater than the 99th percentile (2,204.0 kWh; accounts not shown).
(e) Mean (Standard Deviation) = 520.3 (537.4) kWh.
(f) Percentiles: p(25) = 229.0 kWh. p(50) = 408.0 kWh. p(75) = 668.0 kWh.

PUC 3-1, page 14

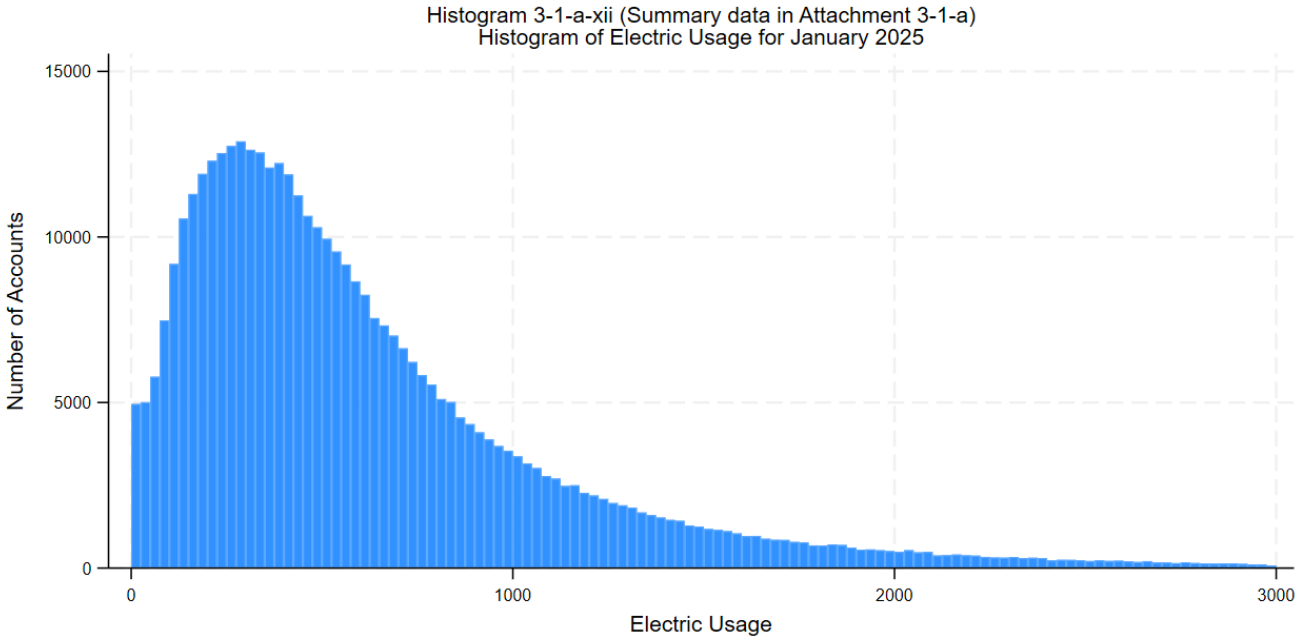
xi. January 2024;



(a) Data for January 2024. Rate = A16. N = 414,619 accounts. Bin width = 25 kWh.
(b) Min = 0 kWh. Max = 103,071 kWh.
(c) N = 4,780 accounts have 0 kWh (accounts not shown).
(d) N = 4,148 accounts have usage greater than the 99th percentile (2,565.0 kWh; accounts not shown).
(e) Mean (Standard Deviation) = 580.5 (629.0) kWh.
(f) Percentiles: p(25) = 245.0 kWh. p(50) = 443.0 kWh. p(75) = 742.0 kWh.

PUC 3-1, page 15

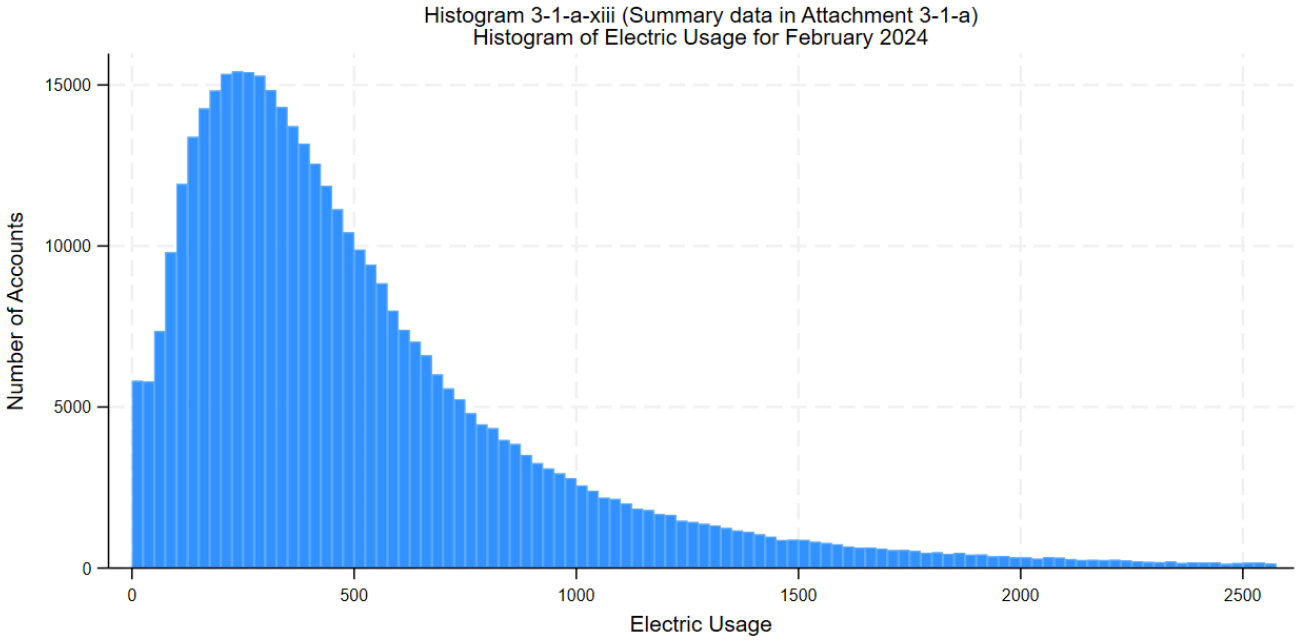
xii. January 2025;



(a) Data for January 2025. Rate = A16. N = 414,566 accounts. Bin width = 25 kWh.
(b) Min = 0 kWh. Max = 536,800 kWh.
(c) N = 5,219 accounts have 0 kWh (accounts not shown).
(d) N = 4,148 accounts have usage greater than the 99th percentile (2,993.0 kWh; accounts not shown).
(e) Mean (Standard Deviation) = 647.2 (1082.0) kWh.
(f) Percentiles: p(25) = 264.0 kWh. p(50) = 480.0 kWh. p(75) = 818.0 kWh.

PUC 3-1, page 16

xiii. February 2024; and



(a) Data for February 2024. Rate = A16. N = 414,656 accounts. Bin width = 25 kWh.
(b) Min = 0 kWh. Max = 94,240 kWh.
(c) N = 5,395 accounts have 0 kWh (accounts not shown).
(d) N = 4,151 accounts have usage greater than the 99th percentile (2,574.0 kWh; accounts not shown).
(e) Mean (Standard Deviation) = 546.1 (651.0) kWh.
(f) Percentiles: p(25) = 224.0 kWh. p(50) = 402.0 kWh. p(75) = 682.0 kWh.

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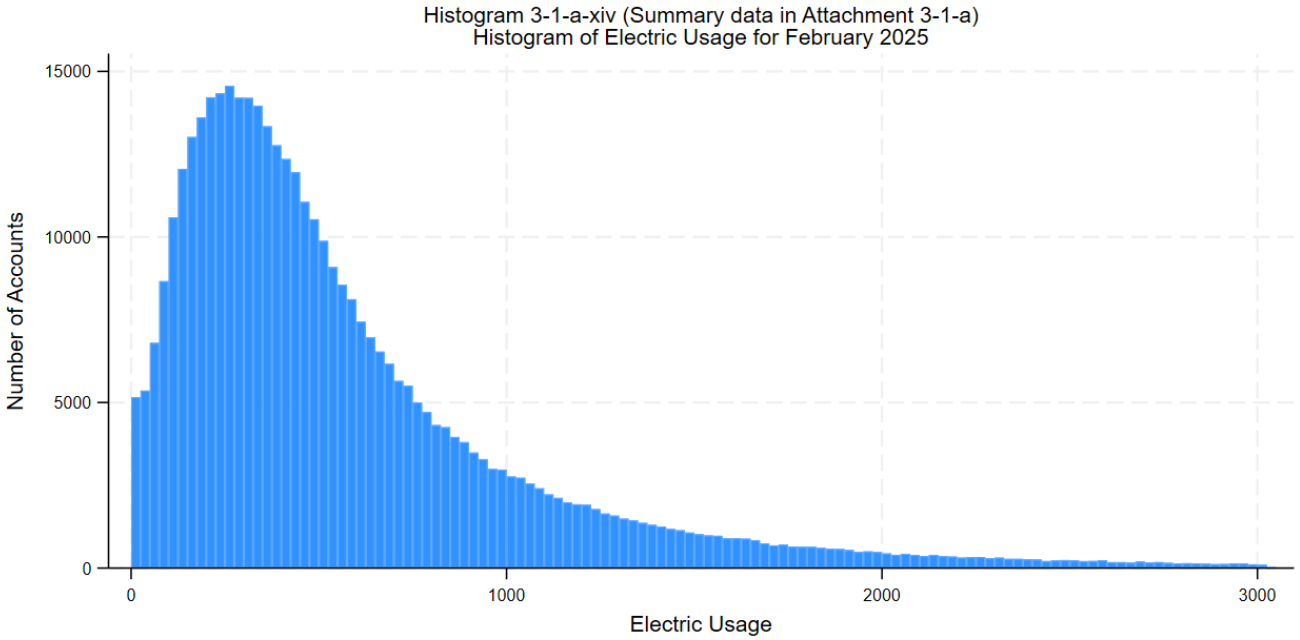
xiv. February 2025.

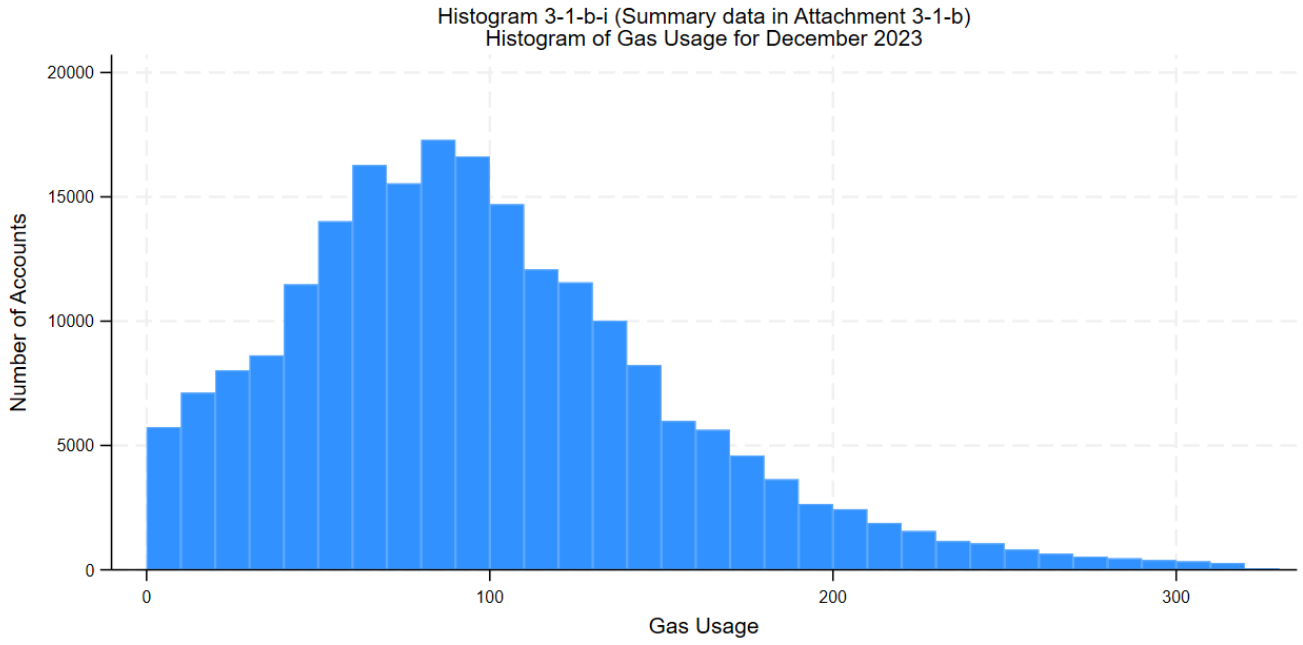


(a) Data for February 2025. Rate = A16. N = 416,153 accounts. Bin width = 25 kWh.
(b) Min = 0 kWh. Max = 153,680 kWh.
(c) N = 6,227 accounts have 0 kWh (accounts not shown).
(d) N = 4,165 accounts have usage greater than the 99th percentile (3,028.0 kWh; accounts not shown).
(e) Mean (Standard Deviation) = 605.7 (761.1) kWh.
(f) Percentiles: p(25) = 239.0 kWh. p(50) = 430.0 kWh. p(75) = 746.0 kWh.

PUC 3-1, page 18

b. Please see Attachment PUC-3-1-b for a live Excel workbook with each tab corresponding to subparts (i) through (vi) below.

i. December 2023;



(a) Data for December 2023. Rate = 1247. N = 216,637 accounts. Bin width = 10 therms.
(b) Min = 0 therms. Max = 10,259 therms.
(c) N = 2,983 accounts have 0 therms (accounts not shown).
(d) N = 2,157 accounts have usage greater than the 99th percentile (321.1 therms; accounts not shown).
(e) Mean (Standard Deviation) = 100.2 (76.1) therms.
(f) Percentiles: p(25) = 57.5 therms. p(50) = 90.3 therms. p(75) = 130.3 therms.

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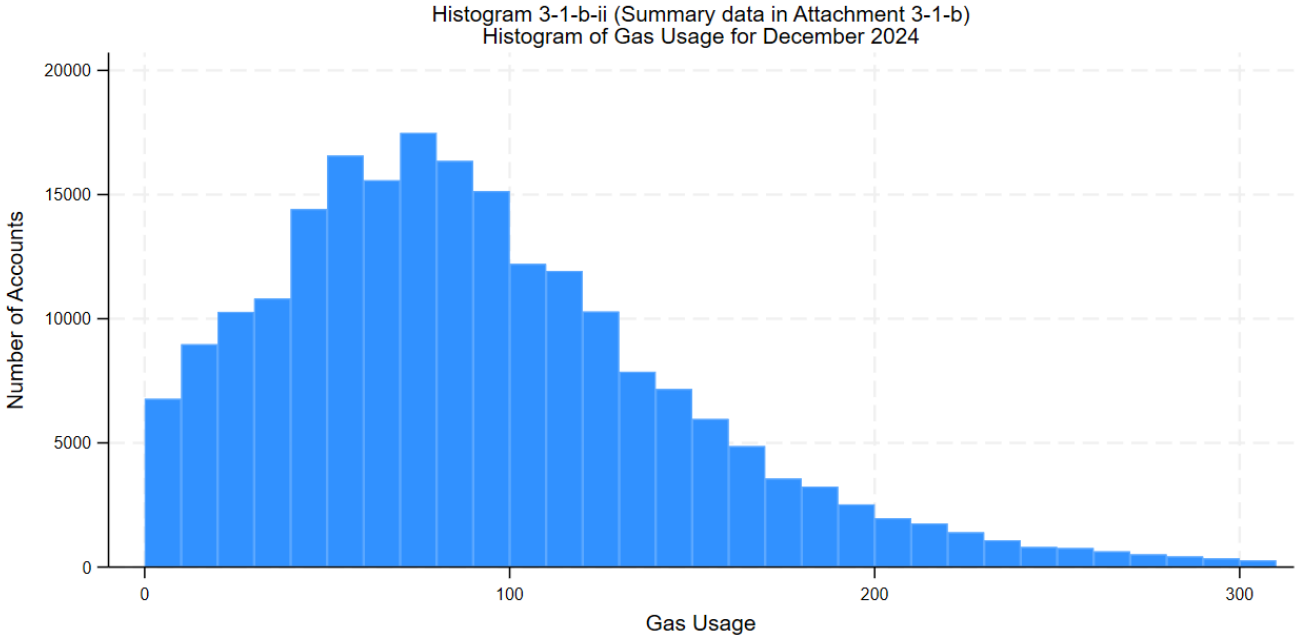
ii. December 2024;



(a) Data for December 2024. Rate = 1247. N = 217,436 accounts. Bin width = 10 therms.
(b) Min = 0 therms. Max = 3,184 therms.
(c) N = 3,282 accounts have 0 therms (accounts not shown).
(d) N = 2,194 accounts have usage greater than the 99th percentile (309.0 therms; accounts not shown).
(e) Mean (Standard Deviation) = 93.3 (67.9) therms.
(f) Percentiles: p(25) = 49.4 therms. p(50) = 82.4 therms. p(75) = 122.6 therms.

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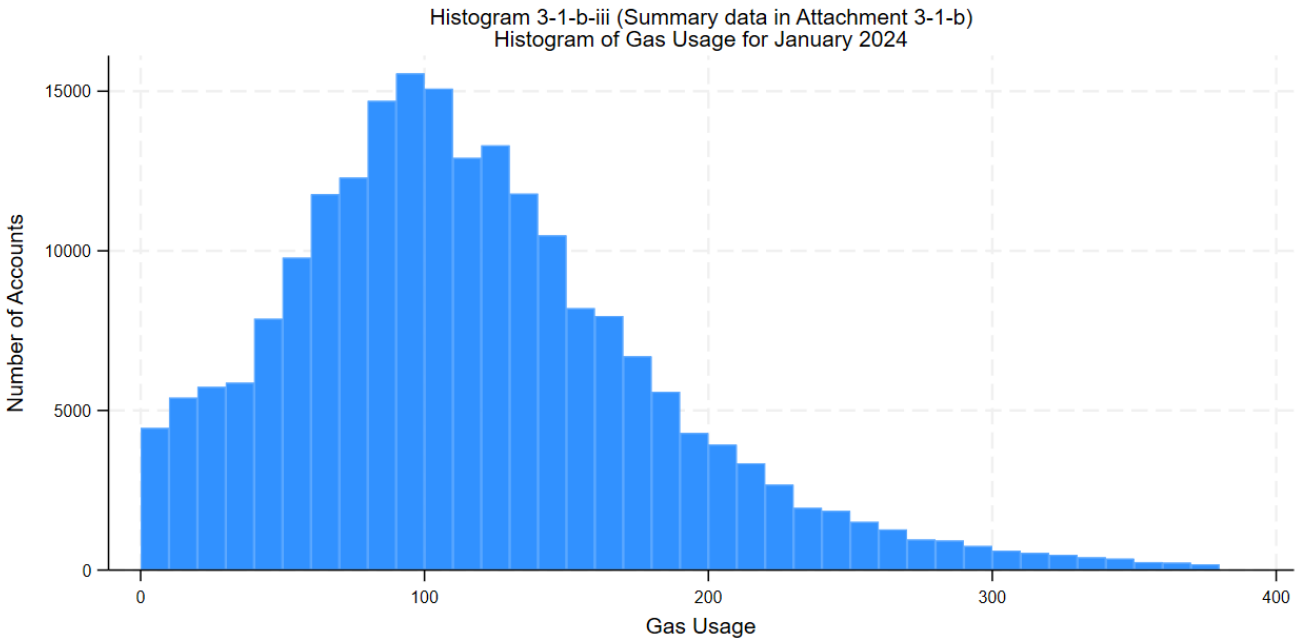
iii. January 2024;



(a) Data for January 2024. Rate = 1247. N = 216,801 accounts. Bin width = 10 therms.
(b) Min = 0 therms. Max = 4,508 therms.
(c) N = 2,660 accounts have 0 therms (accounts not shown).
(d) N = 2,169 accounts have usage greater than the 99th percentile (378.6 therms; accounts not shown).
(e) Mean (Standard Deviation) = 119.3 (80.8) therms.
(f) Percentiles: p(25) = 70.8 therms. p(50) = 108.8 therms. p(75) = 153.9 therms.

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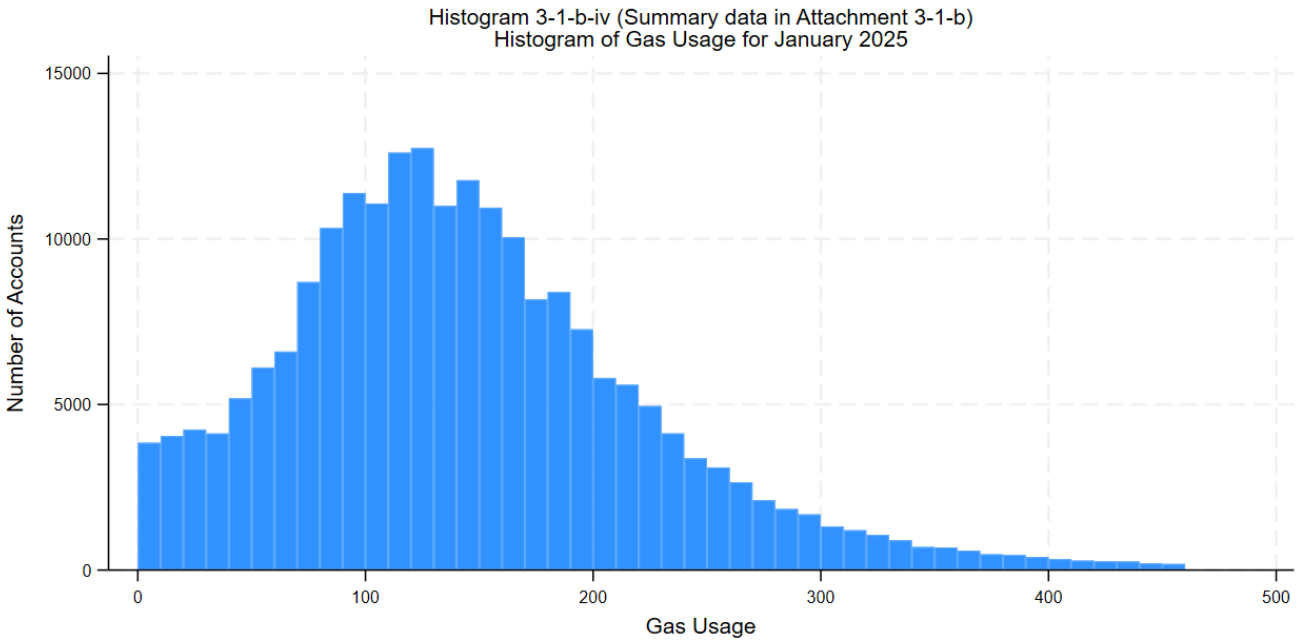
iv. January 2025;



(a) Data for January 2025. Rate = 1247. N = 218,213 accounts. Bin width = 10 therms.
(b) Min = 0 therms. Max = 10,245 therms.
(c) N = 2,808 accounts have 0 therms (accounts not shown).
(d) N = 2,186 accounts have usage greater than the 99th percentile (459.4 therms; accounts not shown).
(e) Mean (Standard Deviation) = 147.5 (103.4) therms.
(f) Percentiles: p(25) = 88.6 therms. p(50) = 134.9 therms. p(75) = 189.5 therms.

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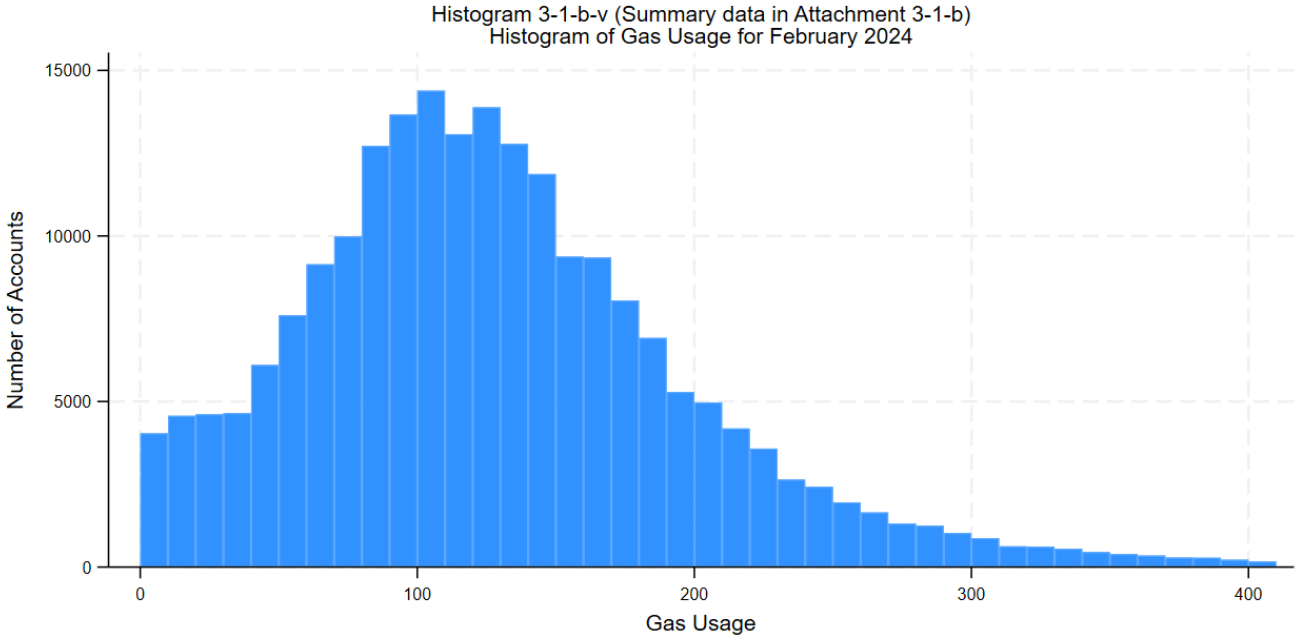
v. February 2024; and



(a) Data for February 2024. Rate = 1247. N = 216,800 accounts. Bin width = 10 therms.
(b) Min = 0 therms. Max = 7,256 therms.
(c) N = 2,692 accounts have 0 therms (accounts not shown).
(d) N = 2,172 accounts have usage greater than the 99th percentile (408.3 therms; accounts not shown).
(e) Mean (Standard Deviation) = 131.3 (89.5) therms.
(f) Percentiles: p(25) = 80.0 therms. p(50) = 120.0 therms. p(75) = 167.2 therms.

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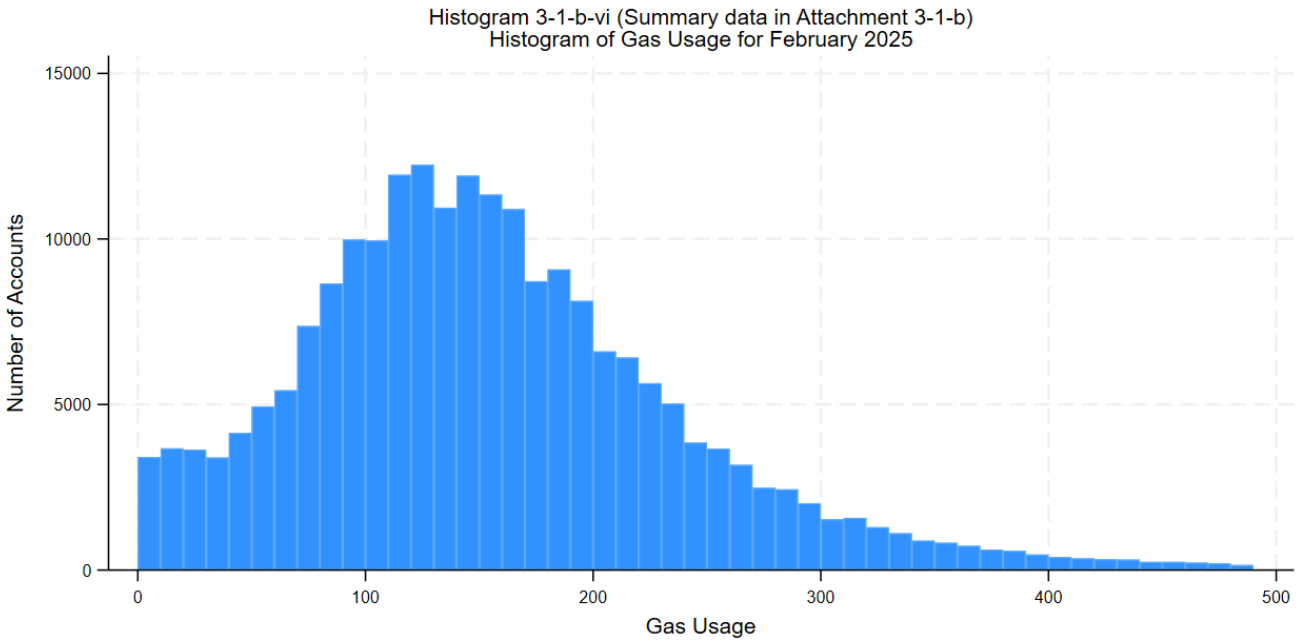
vi. February 2025.



(a) Data for February 2025. Rate = 1247. N = 218,268 accounts. Bin width = 10 therms.
(b) Min = 0 therms. Max = 6,791 therms.
(c) N = 2,846 accounts have 0 therms (accounts not shown).
(d) N = 2,183 accounts have usage greater than the 99th percentile (490.3 therms; accounts not shown).
(e) Mean (Standard Deviation) = 158.2 (103.8) therms.
(f) Percentiles: p(25) = 97.8 therms. p(50) = 145.2 therms. p(75) = 201.9 therms.

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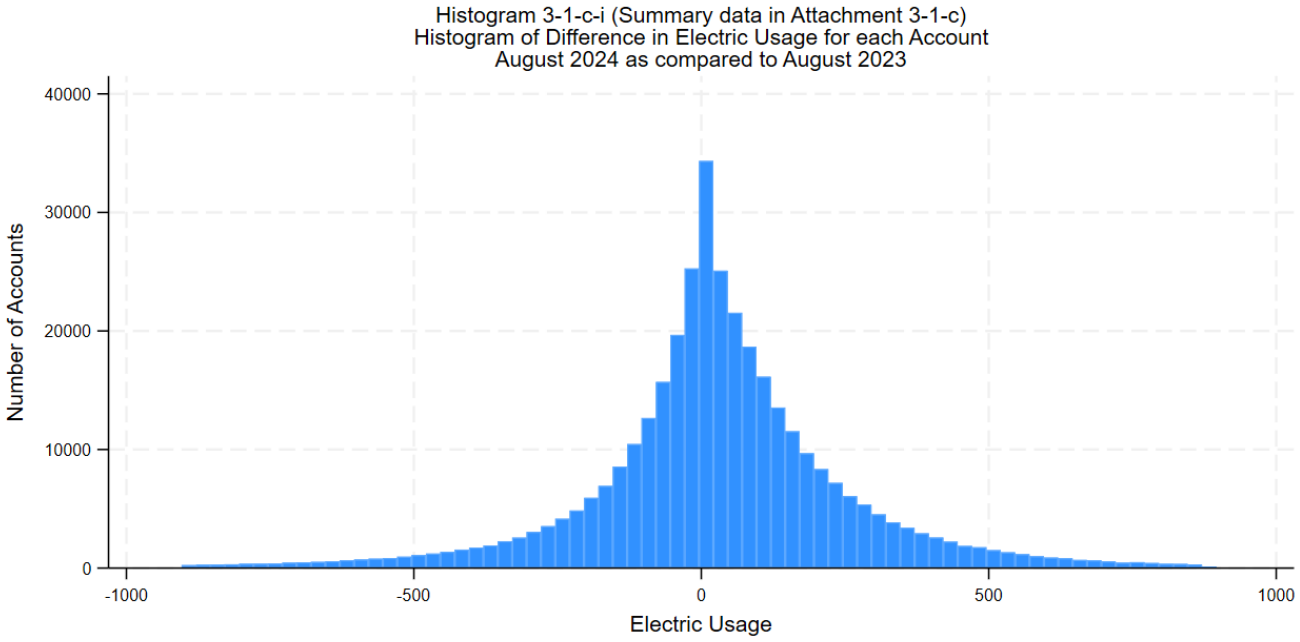
Notes for responses to (c) to (f): Data sets include only accounts with non-zero usage in both months in the subpart. Accounts that were only active in one, but not both, months of the subpart are excluded. Accounts that have zero usage in either of the months of the subpart are excluded.

c. Please see Attachment PUC-3-1-c for a live Excel workbook with each tab corresponding to subparts (i) through (vii) below.

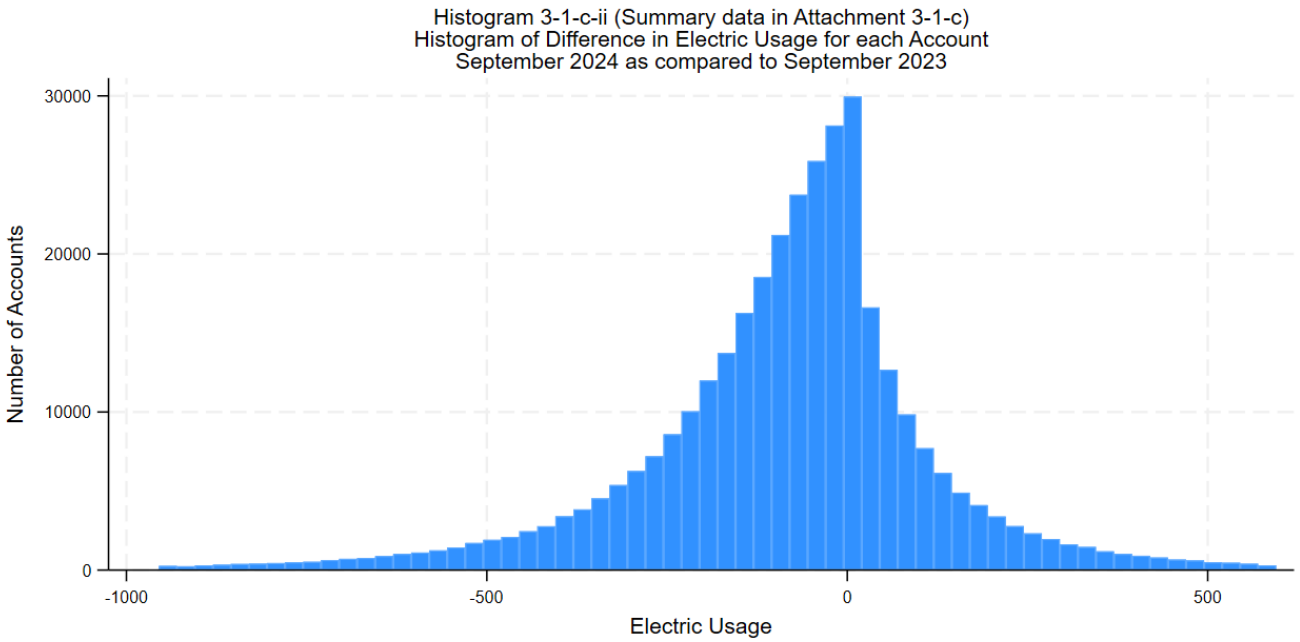
i. August 2024, as compared to August 2023;



(a) Data for August 2023 - August 2024. Rate = A16. N = 361,867 accounts. Bin width = 25 kWh.
(b) Min = -49600 kWh. Max = 96,261 kWh.
(c) N = 3,622 accounts have change in usage less than the 1st percentile (-905.0 kWh; accounts not shown).
(d) N = 3,629 accounts have change in usage greater than the 99th percentile (882.0 kWh; accounts not shown).
(e) Mean Change (Standard Deviation) = 27.9 (379.2) kWh.
(f) Percentiles: p(25) = -71.0 kWh. p(50) = 21.0 kWh. p(75) = 137.0 kWh.

PUC 3-1, page 25

ii. September 2024, as compared to September 2023;



(a) Data for September 2023 - September 2024. Rate = A16. N = 350,303 accounts. Bin width = 25 kWh.
(b) Min = -41280 kWh. Max = 16,741 kWh.
(c) N = 3,510 accounts have change in usage less than the 1st percentile (-956.0 kWh; accounts not shown).
(d) N = 3,507 accounts have change in usage greater than the 99th percentile (592.0 kWh; accounts not shown).
(e) Mean Change (Standard Deviation) = -88.7 (306.3) kWh.
(f) Percentiles: p(25) = -179.0 kWh. p(50) = -61.0 kWh. p(75) = 17.0 kWh.

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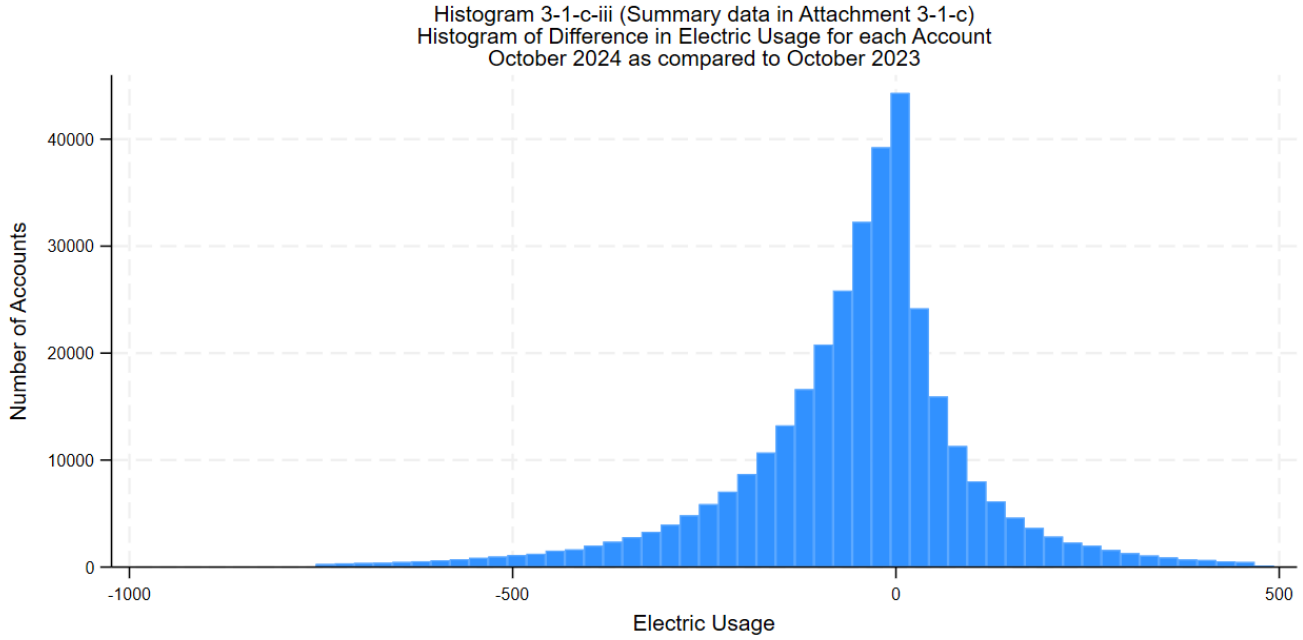
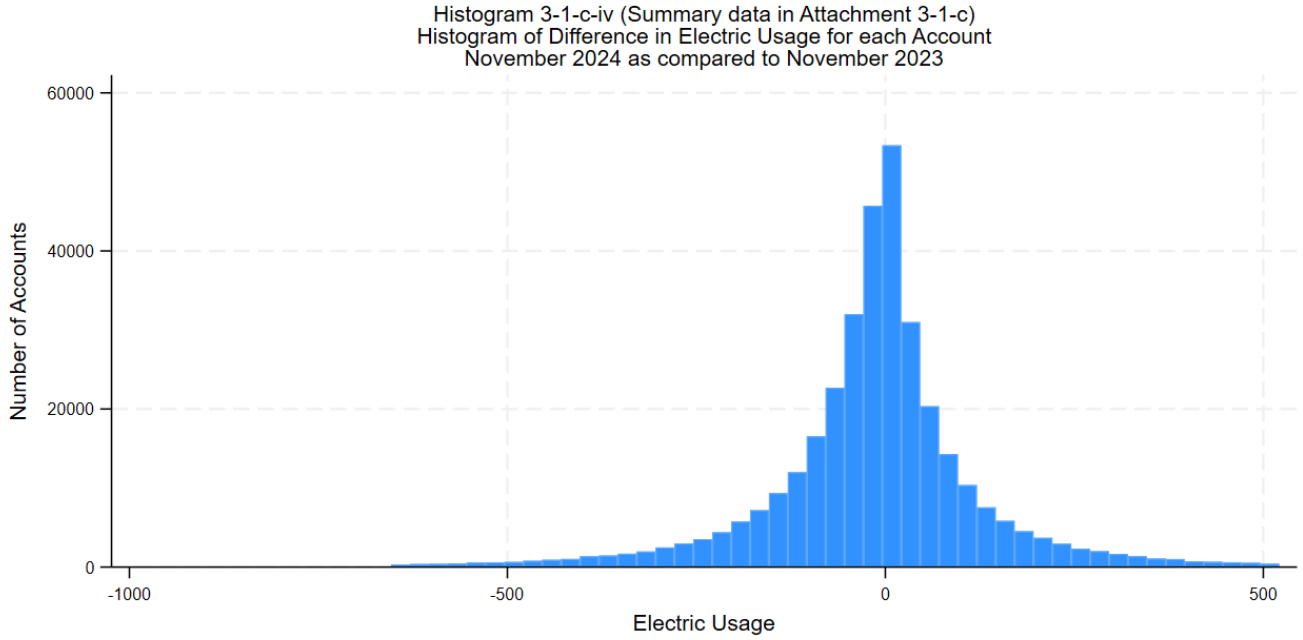
iii. October 2024, as compared to October 2023;



(a) Data for October 2023 - October 2024. Rate = A16. N = 350,622 accounts. Bin width = 25 kWh.
(b) Min = -33120 kWh. Max = 99,921 kWh.
(c) N = 3,512 accounts have change in usage less than the 1st percentile (-758.0 kWh; accounts not shown).
(d) N = 3,507 accounts have change in usage greater than the 99th percentile (476.0 kWh; accounts not shown).
(e) Mean Change (Standard Deviation) = -57.2 (354.7) kWh.
(f) Percentiles: p(25) = -120.0 kWh. p(50) = -32.0 kWh. p(75) = 21.0 kWh.

PUC 3-1, page 27

iv. November 2024, as compared to November 2023;



(a) Data for November 2023 - November 2024. Rate = A16. N = 350,725 accounts. Bin width = 25 kWh.
(b) Min = -28080 kWh. Max = 142,000 kWh.
(c) N = 3,512 accounts have change in usage less than the 1st percentile (-655.0 kWh; accounts not shown).
(d) N = 3,530 accounts have change in usage greater than the 99th percentile (520.0 kWh; accounts not shown).
(e) Mean Change (Standard Deviation) = -18.1 (336.7) kWh.
(f) Percentiles: p(25) = -70.0 kWh. p(50) = -7.0 kWh. p(75) = 43.0 kWh.

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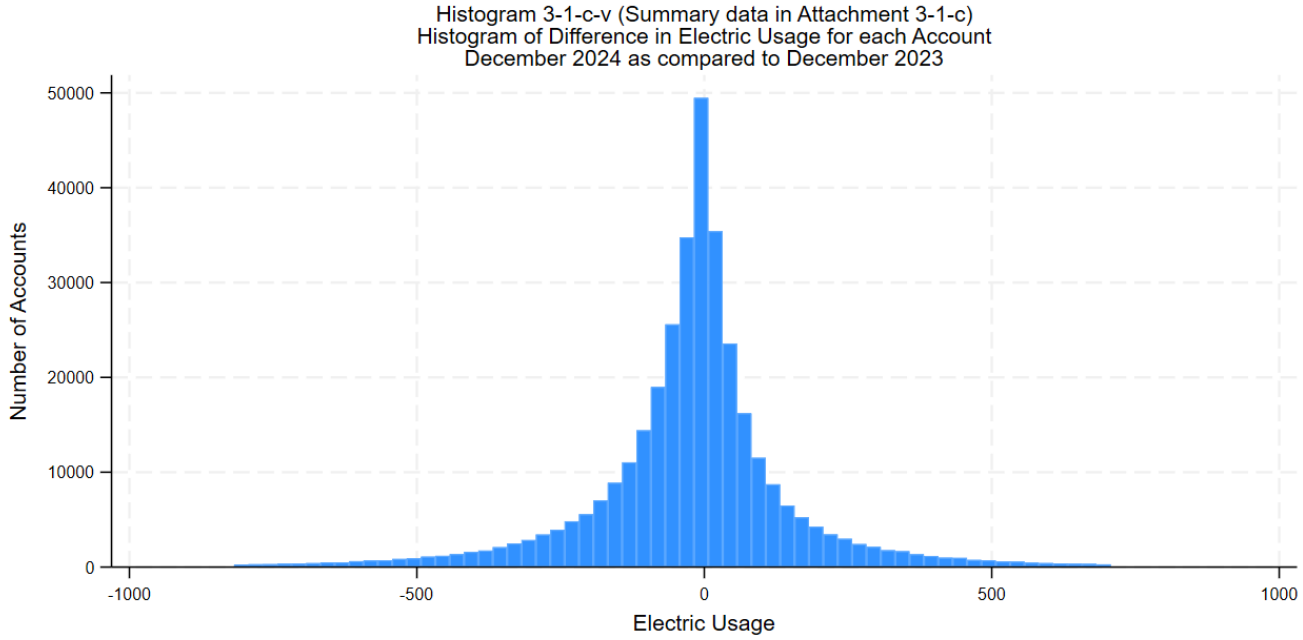
v. December 2024, as compared to December 2023;



(a) Data for December 2023 - December 2024. Rate = A16. N = 351,736 accounts. Bin width = 25 kWh.
(b) Min = -33040 kWh. Max = 14,349 kWh.
(c) N = 3,518 accounts have change in usage less than the 1st percentile (-819.0 kWh; accounts not shown).
(d) N = 3,523 accounts have change in usage greater than the 99th percentile (707.0 kWh; accounts not shown).
(e) Mean Change (Standard Deviation) = -24.2 (278.5) kWh.
(f) Percentiles: p(25) = -88.0 kWh. p(50) = -11.0 kWh. p(75) = 47.0 kWh.

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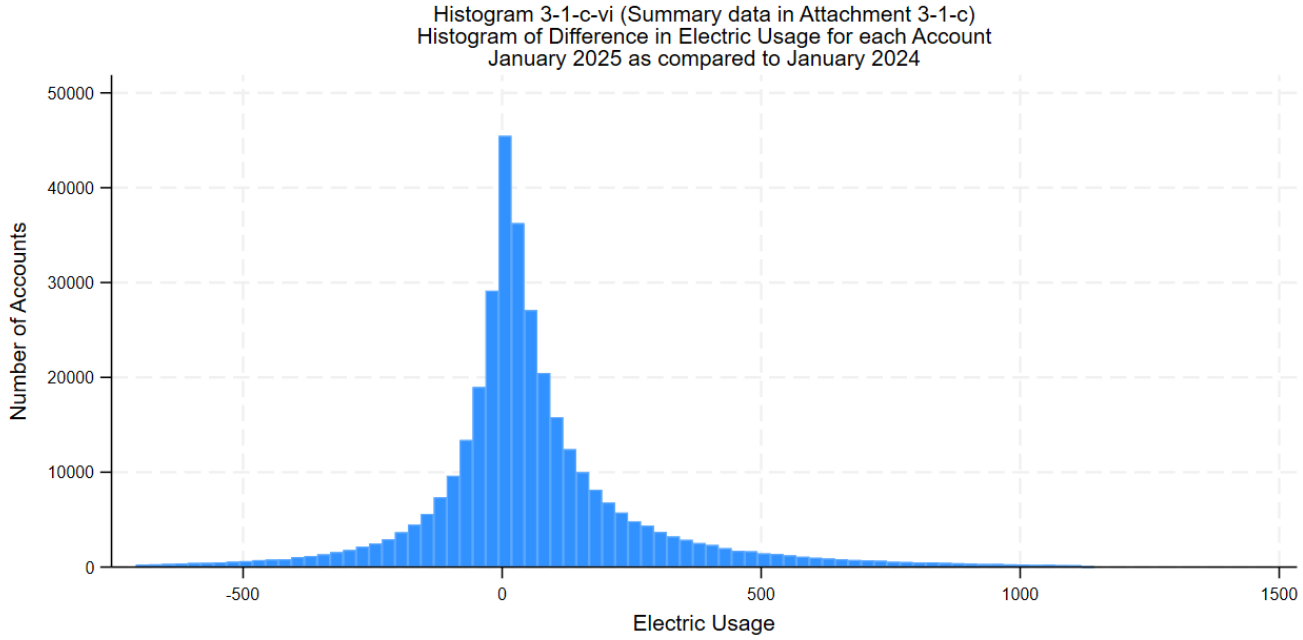
vi. January 2025, as compared to January 2024; and



(a) Data for January 2024 - January 2025. Rate = A16. N = 352,879 accounts. Bin width = 25 kWh.
(b) Min = -11535 kWh. Max = 25,095 kWh.
(c) N = 3,537 accounts have change in usage less than the 1st percentile (-708.0 kWh; accounts not shown).
(d) N = 3,532 accounts have change in usage greater than the 99th percentile (1,120.0 kWh; accounts not shown).
(e) Mean Change (Standard Deviation) = 63.1 (326.4) kWh.
(f) Percentiles: p(25) = -32.0 kWh. p(50) = 27.0 kWh. p(75) = 123.0 kWh.

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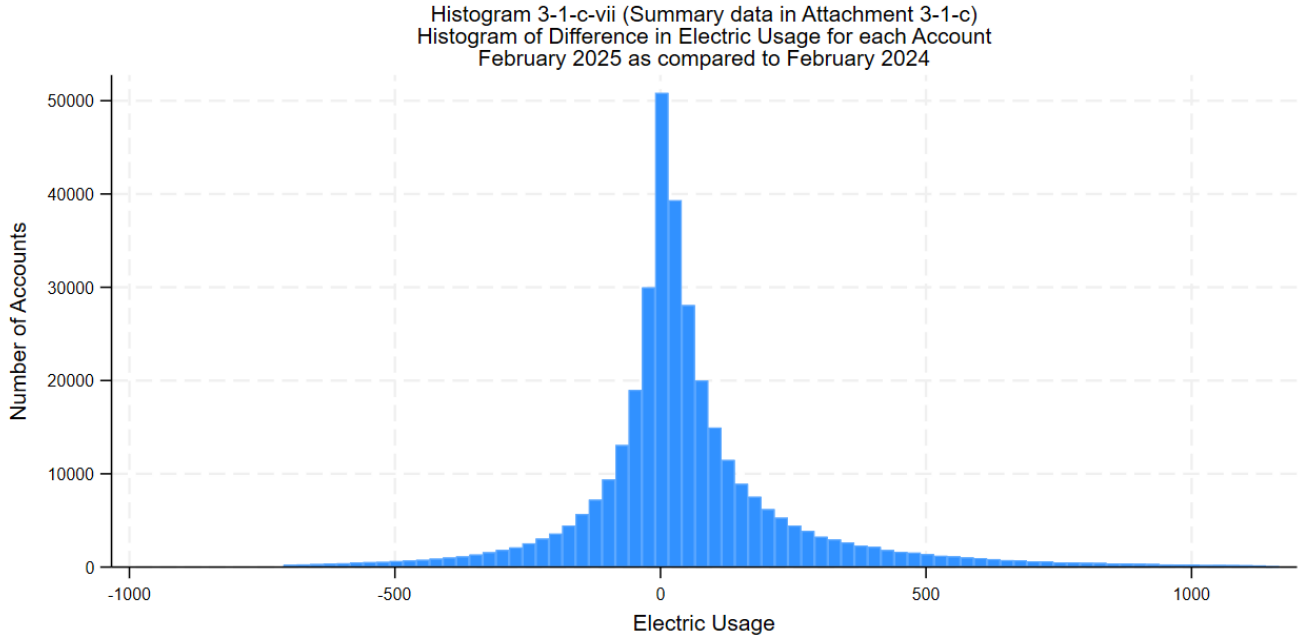
vii. February 2025, as compared to February 2024.

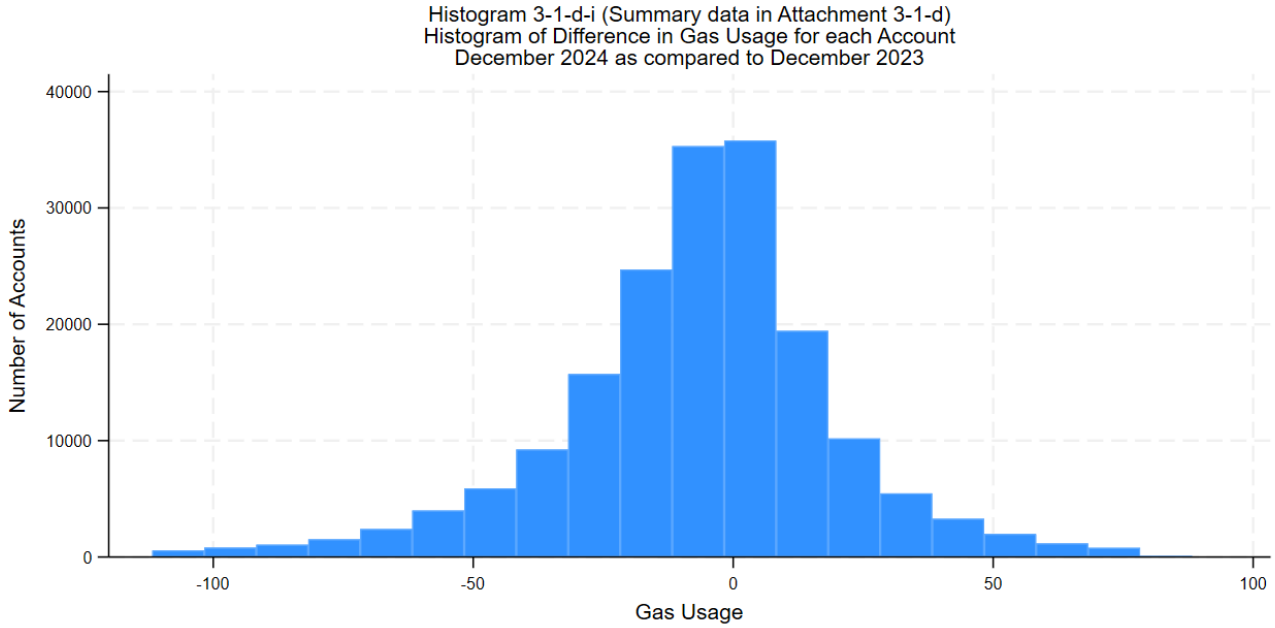


(a) Data for February 2024 - February 2025. Rate = A16. N = 354,496 accounts. Bin width = 25 kWh.
(b) Min = -70200 kWh. Max = 108,080 kWh.
(c) N = 3,552 accounts have change in usage less than the 1st percentile (-711.0 kWh; accounts not shown).
(d) N = 3,546 accounts have change in usage greater than the 99th percentile (1,150.0 kWh; accounts not shown).
(e) Mean Change (Standard Deviation) = 55.9 (436.2) kWh.
(f) Percentiles: p(25) = -34.0 kWh. p(50) = 20.0 kWh. p(75) = 107.0 kWh.

PUC 3-1, page 31

d. Please see Attachment PUC-3-1-d for a live Excel workbook with each tab corresponding to subparts (i) through (iii) below.

i. December 2024, as compared to December 2023;



(a) Data for December 2023 - December 2024. Rate = 1247. N = 183,068 accounts. Bin width = 10 therms.
(b) Min = -1224 therms. Max = 975 therms.
(c) N = 1,830 accounts have change in usage less than the 1st percentile (-111.7 therms; accounts not shown).
(d) N = 1,831 accounts have change in usage greater than the 99th percentile (79.4 therms; accounts not shown).
(e) Mean Change (Standard Deviation) = -7.3 (35.3) therms.
(f) Percentiles: p(25) = -20.3 therms. p(50) = -4.7 therms. p(75) = 7.5 therms.

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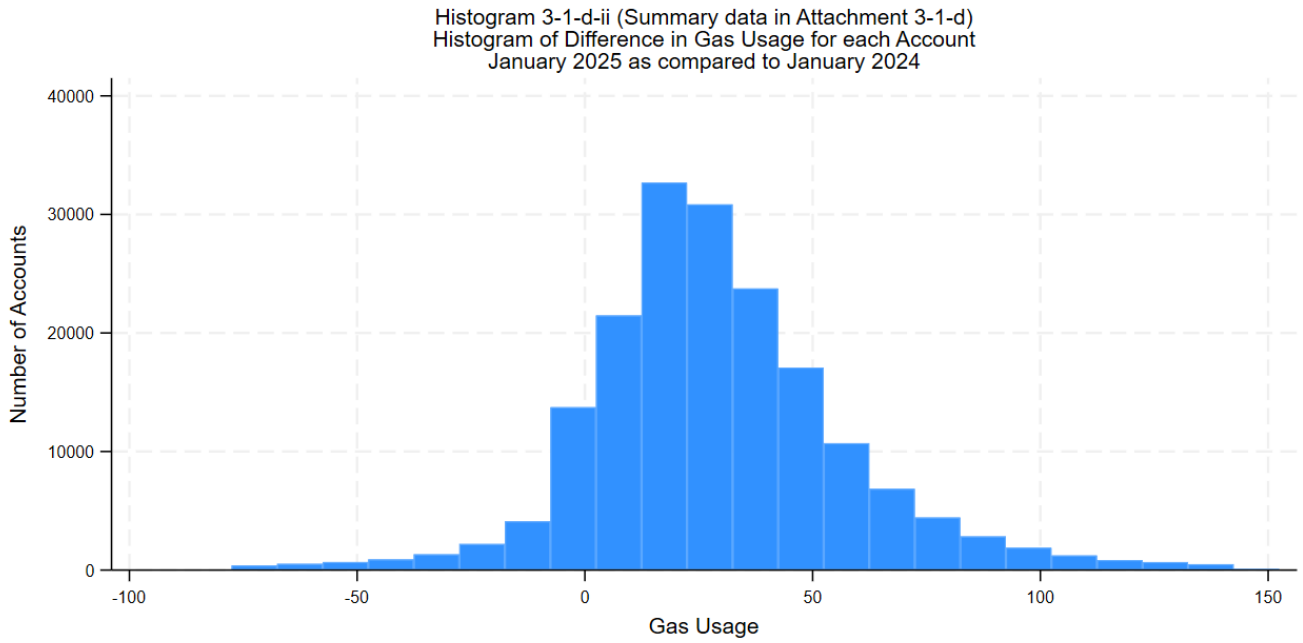
ii. January 2025, as compared to January 2024; and



(a) Data for January 2024 - January 2025. Rate = 1247. N = 183,436 accounts. Bin width = 10 therms.
(b) Min = -4181 therms. Max = 10,125 therms.
(c) N = 1,835 accounts have change in usage less than the 1st percentile (-77.6 therms; accounts not shown).
(d) N = 1,834 accounts have change in usage greater than the 99th percentile (144.1 therms; accounts not shown).
(e) Mean Change (Standard Deviation) = 29.1 (50.5) therms.
(f) Percentiles: p(25) = 11.7 therms. p(50) = 26.2 therms. p(75) = 43.8 therms.

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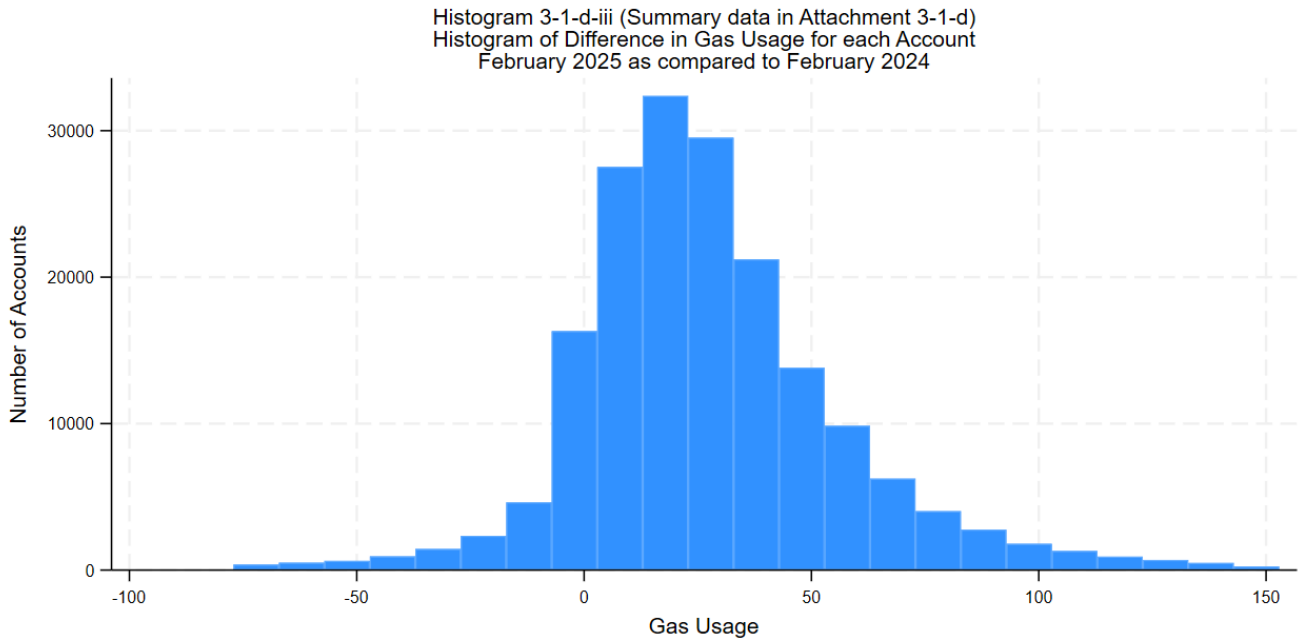
iii. February 2025, as compared to February 2024.



(a) Data for February 2024 - February 2025. Rate = 1247. N = 183,570 accounts. Bin width = 10 therms.
(b) Min = -6578 therms. Max = 1,877 therms.
(c) N = 1,837 accounts have change in usage less than the 1st percentile (-77.3 therms; accounts not shown).
(d) N = 1,835 accounts have change in usage greater than the 99th percentile (149.4 therms; accounts not shown).
(e) Mean Change (Standard Deviation) = 27.5 (45.5) therms.
(f) Percentiles: p(25) = 9.6 therms. p(50) = 23.4 therms. p(75) = 41.8 therms.

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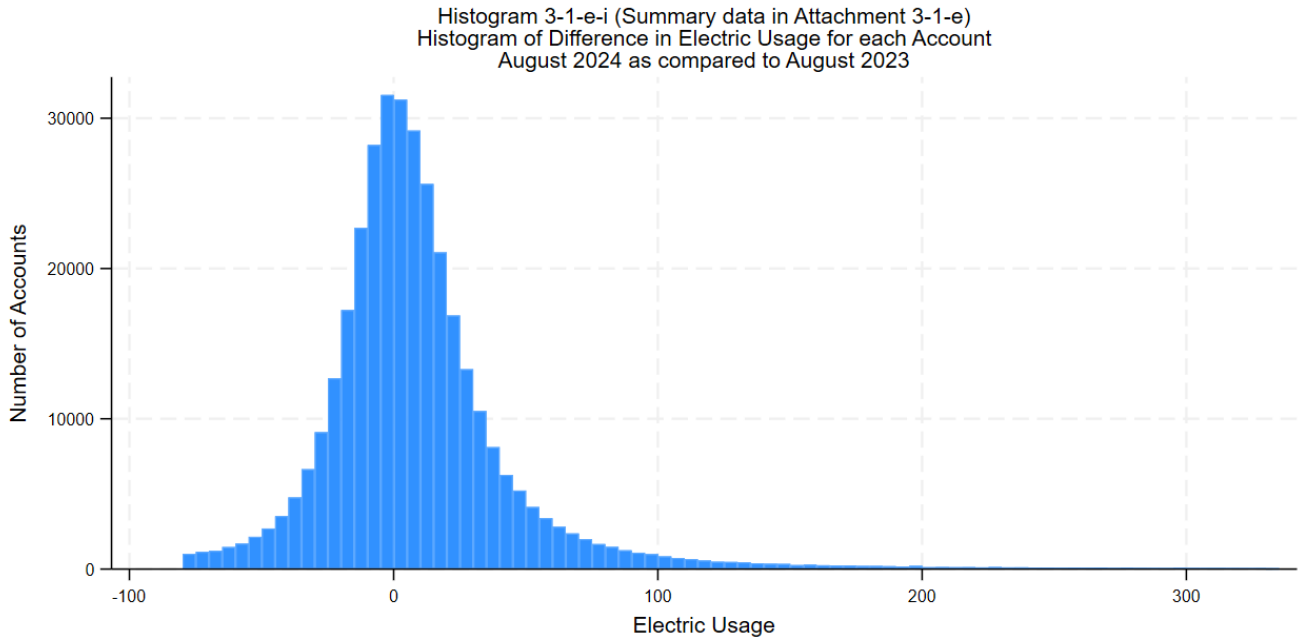
e. Please see Attachment PUC-3-1-e for a live Excel workbook with each tab corresponding to subparts (i) through (vii) below.

i. August 2024, as compared to August 2023;



(a) Data for August 2023 - August 2024. Rate = A16. N = 353,624 accounts. Bin width = 5 %.
(b) Min = -100 %. Max = 408,500 %.
(c) N = 3,537 accounts have change in usage less than the 1st percentile (-79.9 %; accounts not shown).
(d) N = 3,537 accounts have change in usage greater than the 99th percentile (332.6 %; accounts not shown).
(e) Mean Change (Standard Deviation) = 34.0 (1168.9) %.
(f) Percentiles: p(25) = -10.5 %. p(50) = 4.2 %. p(75) = 21.9 %.

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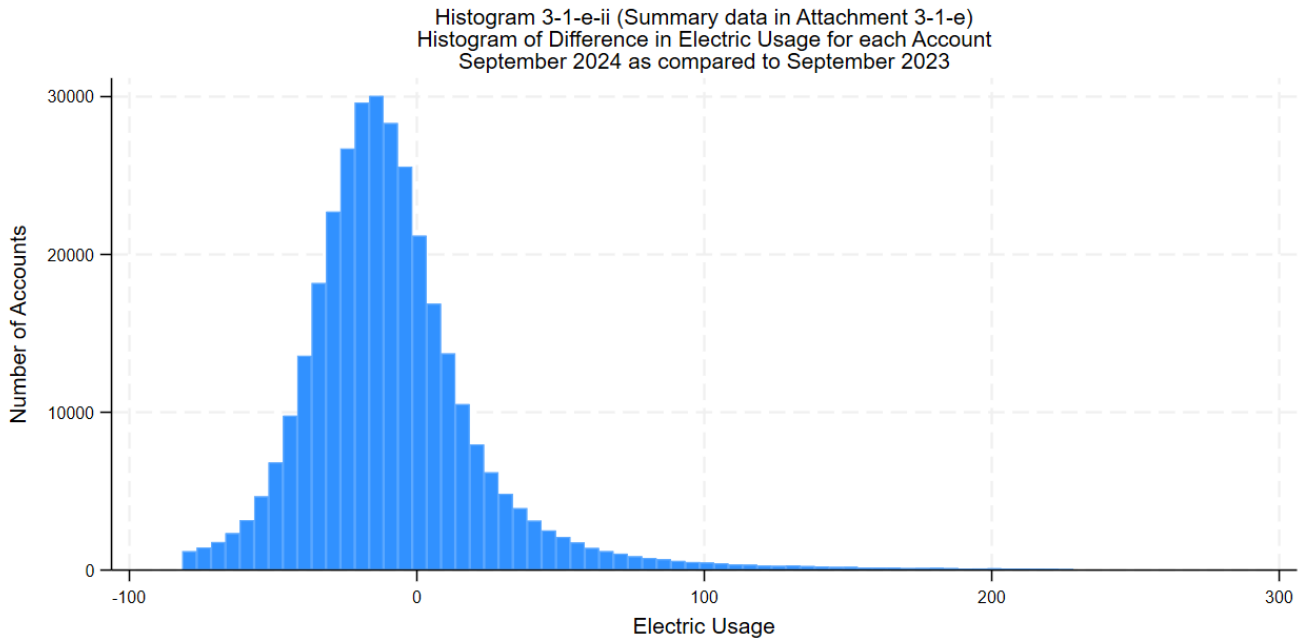
ii. September 2024, as compared to September 2023;



(a) Data for September 2023 - September 2024. Rate = A16. N = 339,541 accounts. Bin width = 5 %.
(b) Min = -100 %. Max = 304,500 %.
(c) N = 3,396 accounts have change in usage less than the 1st percentile (-81.6 %; accounts not shown).
(d) N = 3,395 accounts have change in usage greater than the 99th percentile (226.4 %; accounts not shown).
(e) Mean Change (Standard Deviation) = 11.9 (952.7) %.
(f) Percentiles: p(25) = -27.4 %. p(50) = -12.6 %. p(75) = 4.5 %.

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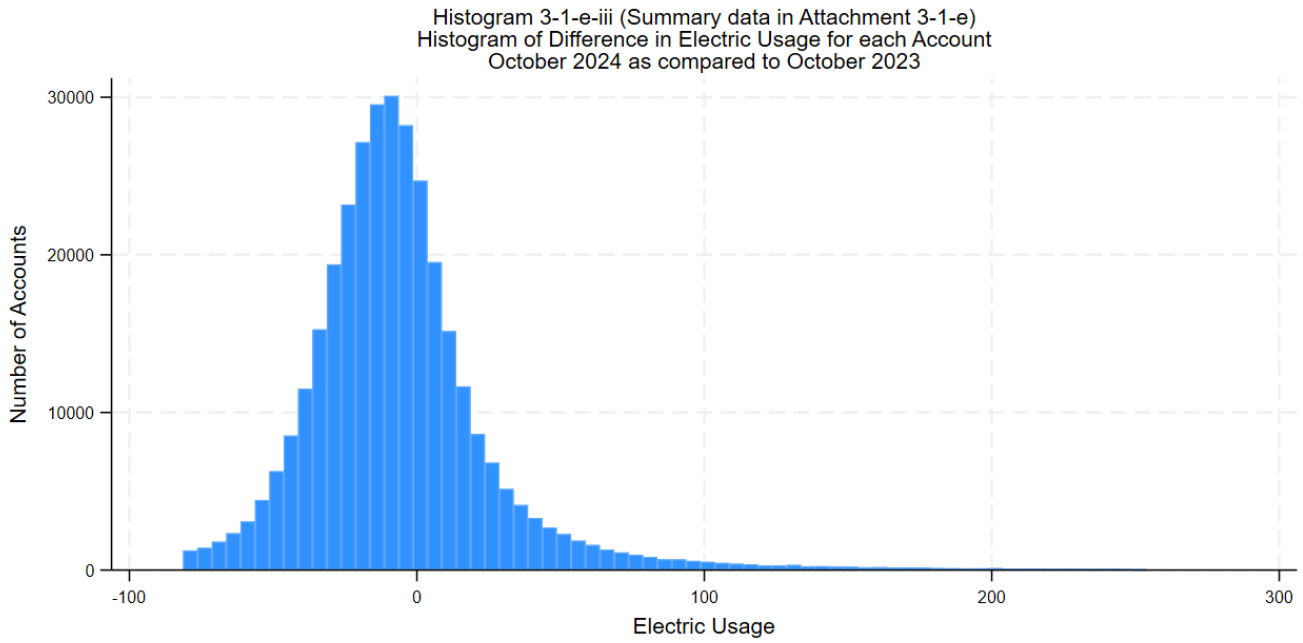
iii. October 2024, as compared to October 2023;



(a) Data for October 2023 - October 2024. Rate = A16. N = 339,739 accounts. Bin width = 5 %.
(b) Min = -100 %. Max = 128,104 %.
(c) N = 3,398 accounts have change in usage less than the 1st percentile (-81.3 %; accounts not shown).
(d) N = 3,398 accounts have change in usage greater than the 99th percentile (250.8 %; accounts not shown).
(e) Mean Change (Standard Deviation) = 10.2 (543.1) %.
(f) Percentiles: p(25) = -24.9 %. p(50) = -9.4 %. p(75) = 6.9 %.

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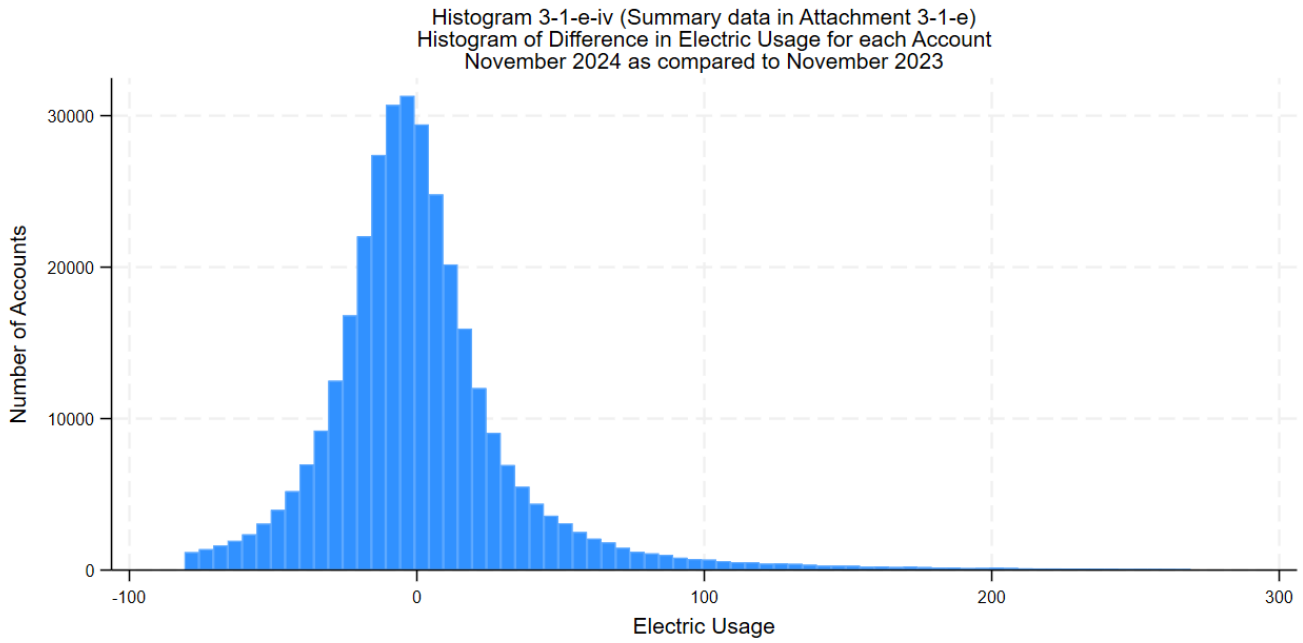
iv. November 2024, as compared to November 2023;



(a) Data for November 2023 - November 2024. Rate = A16. N = 339,935 accounts. Bin width = 5 %.
(b) Min = -100 %. Max = 162,600 %.
(c) N = 3,401 accounts have change in usage less than the 1st percentile (-80.8 %; accounts not shown).
(d) N = 3,399 accounts have change in usage greater than the 99th percentile (267.8 %; accounts not shown).
(e) Mean Change (Standard Deviation) = 17.4 (606.2) %.
(f) Percentiles: p(25) = -17.2 %. p(50) = -2.6 %. p(75) = 14.0 %.

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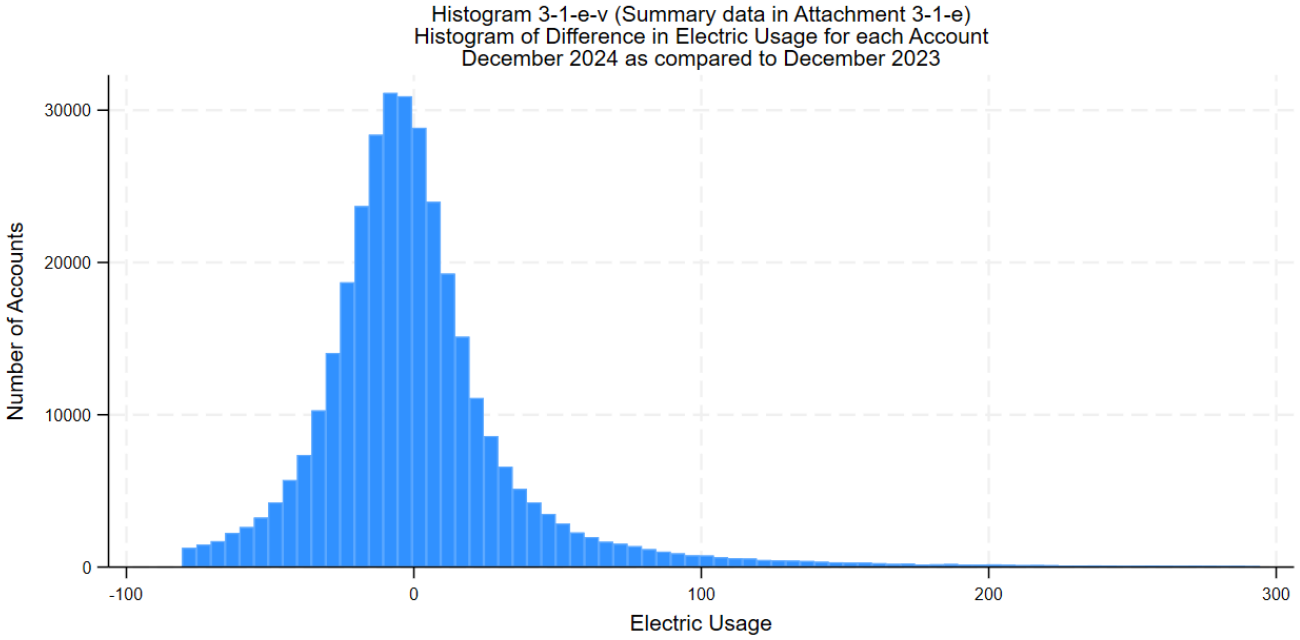
v. December 2024, as compared to December 2023;



(a) Data for December 2023 - December 2024. Rate = A16. N = 344,885 accounts. Bin width = 5 %.
(b) Min = -100 %. Max = 374,000 %.
(c) N = 3,449 accounts have change in usage less than the 1st percentile (-80.7 %; accounts not shown).
(d) N = 3,448 accounts have change in usage greater than the 99th percentile (293.2 %; accounts not shown).
(e) Mean Change (Standard Deviation) = 20.8 (1042.3) %.
(f) Percentiles: p(25) = -18.4 %. p(50) = -3.6 %. p(75) = 13.2 %.

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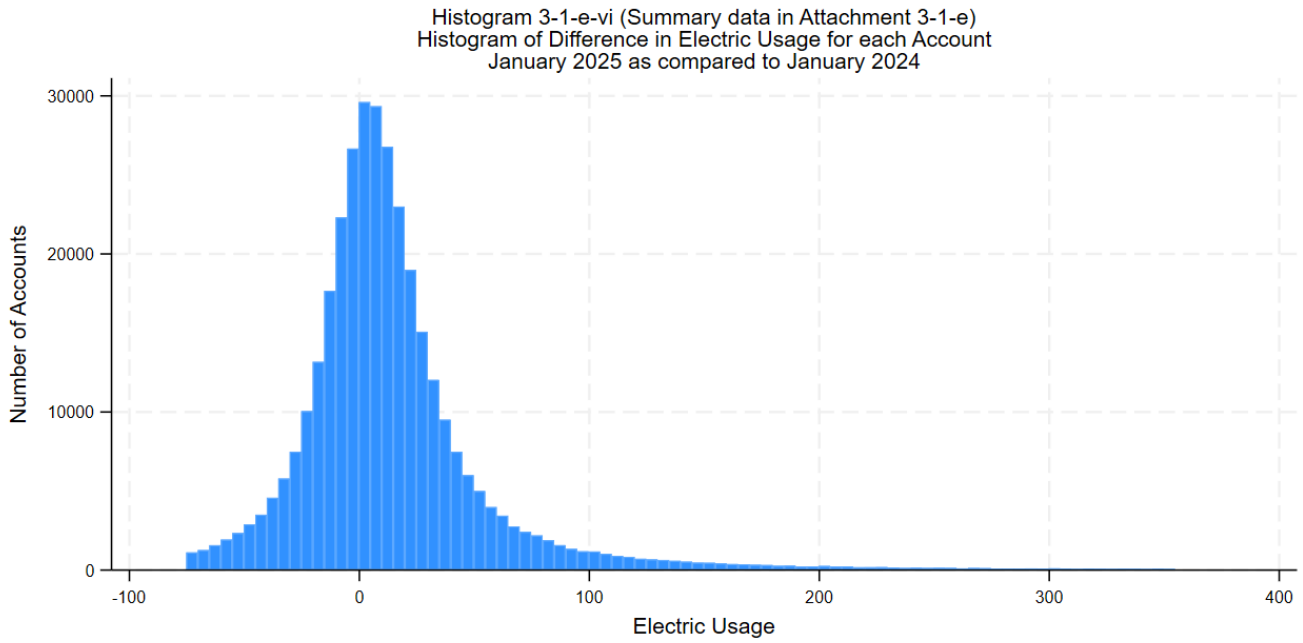
vi. January 2025, as compared to January 2024; and



(a) Data for January 2024 - January 2025. Rate = A16. N = 347,622 accounts. Bin width = 5 %.
(b) Min = -100 %. Max = 394,400 %.
(c) N = 3,478 accounts have change in usage less than the 1st percentile (-75.3 %; accounts not shown).
(d) N = 3,477 accounts have change in usage greater than the 99th percentile (354.5 %; accounts not shown).
(e) Mean Change (Standard Deviation) = 37.2 (1165.0) %.
(f) Percentiles: p(25) = -7.9 %. p(50) = 7.8 %. p(75) = 27.0 %.

Prepared by or under the supervision of: Carrie Gill

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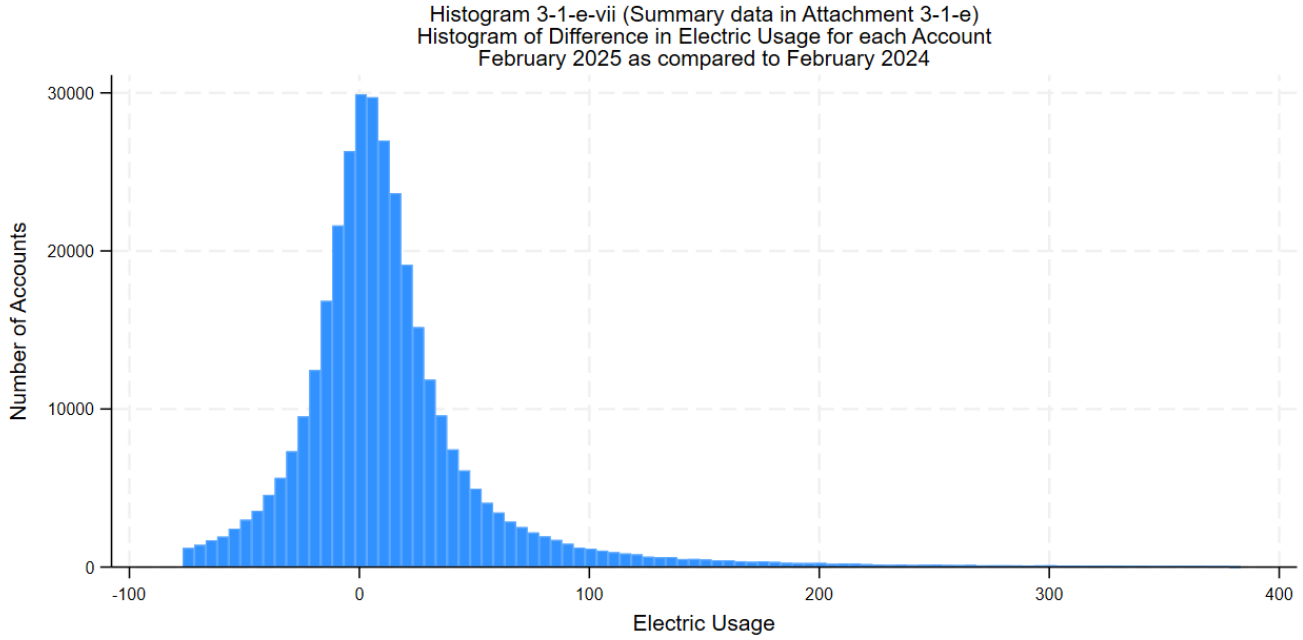
vii. February 2025, as compared to February 2024.



(a) Data for February 2024 - February 2025. Rate = A16. N = 348,087 accounts. Bin width = 5 %.
(b) Min = -100 %. Max = 227,500 %.
(c) N = 3,481 accounts have change in usage less than the 1st percentile (-76.8 %; accounts not shown).
(d) N = 3,482 accounts have change in usage greater than the 99th percentile (378.6 %; accounts not shown).
(e) Mean Change (Standard Deviation) = 37.4 (1109.3) %.
(f) Percentiles: p(25) = -8.9 %. p(50) = 6.7 %. p(75) = 25.9 %.

Prepared by or under the supervision of: Carrie Gill

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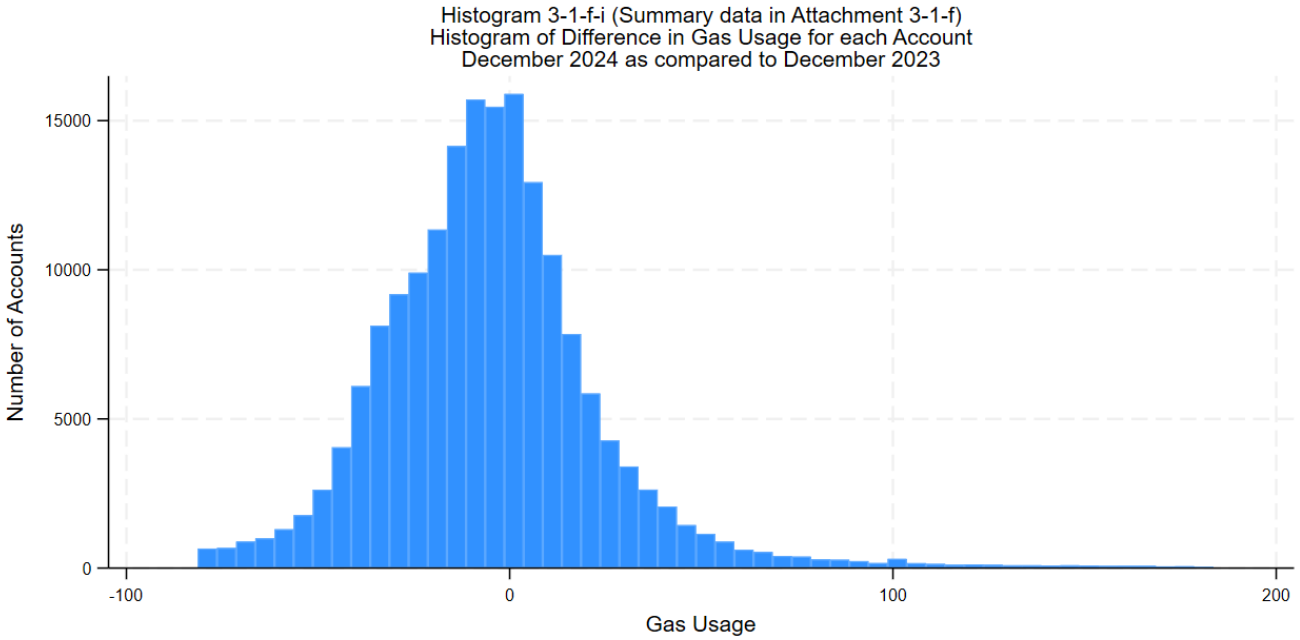
f. Please see Attachment PUC-3-1-f for a live Excel workbook with each tab corresponding to subparts (i) through (iii) below.

i. December 2024, as compared to December 2023;



(a) Data for December 2023 - December 2024. Rate = 1247. N = 180,181 accounts. Bin width = 5 %.
(b) Min = -100 %. Max = 23,793 %.
(c) N = 1,803 accounts have change in usage less than the 1st percentile (-81.4 %; accounts not shown).
(d) N = 1,798 accounts have change in usage greater than the 99th percentile (181.1 %; accounts not shown).
(e) Mean Change (Standard Deviation) = 2.1 (176.5) %.
(f) Percentiles: p(25) = -22.8 %. p(50) = -6.1 %. p(75) = 9.3 %.

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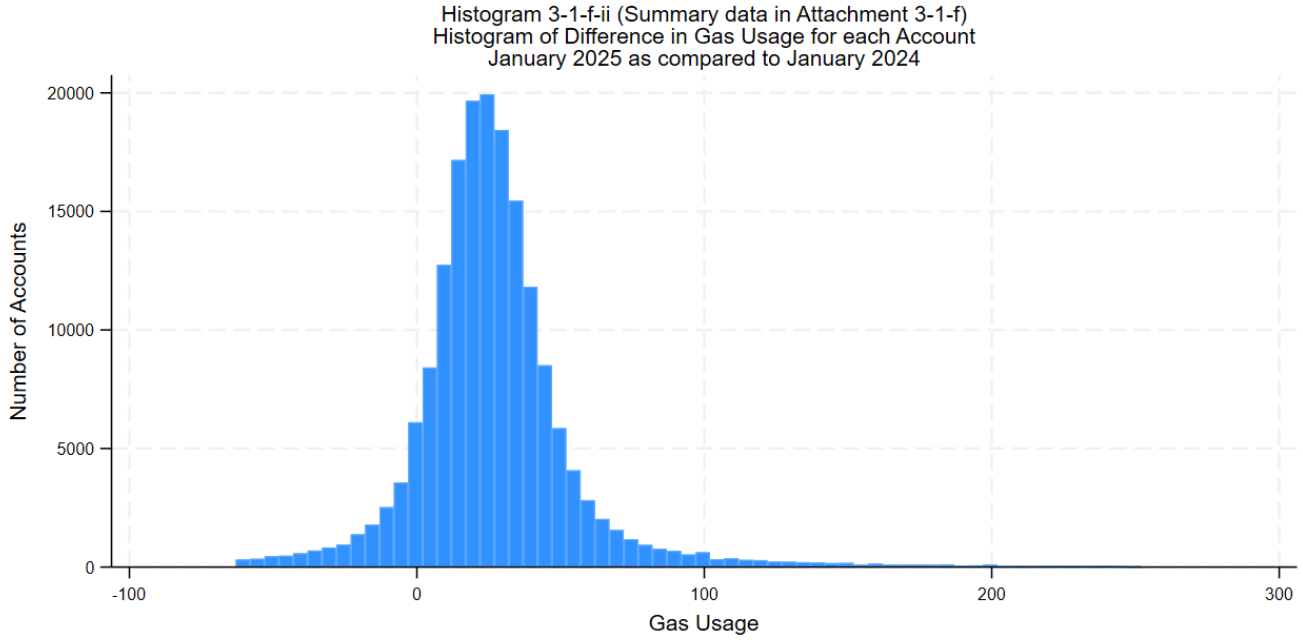
ii. January 2025, as compared to January 2024; and



(a) Data for January 2024 - January 2025. Rate = 1247. N = 180,891 accounts. Bin width = 5 %.
(b) Min = -100 %. Max = 36,592 %.
(c) N = 1,809 accounts have change in usage less than the 1st percentile (-63.1 %; accounts not shown).
(d) N = 1,809 accounts have change in usage greater than the 99th percentile (249.4 %; accounts not shown).
(e) Mean Change (Standard Deviation) = 35.4 (242.3) %.
(f) Percentiles: p(25) = 12.7 %. p(50) = 24.6 %. p(75) = 37.7 %.

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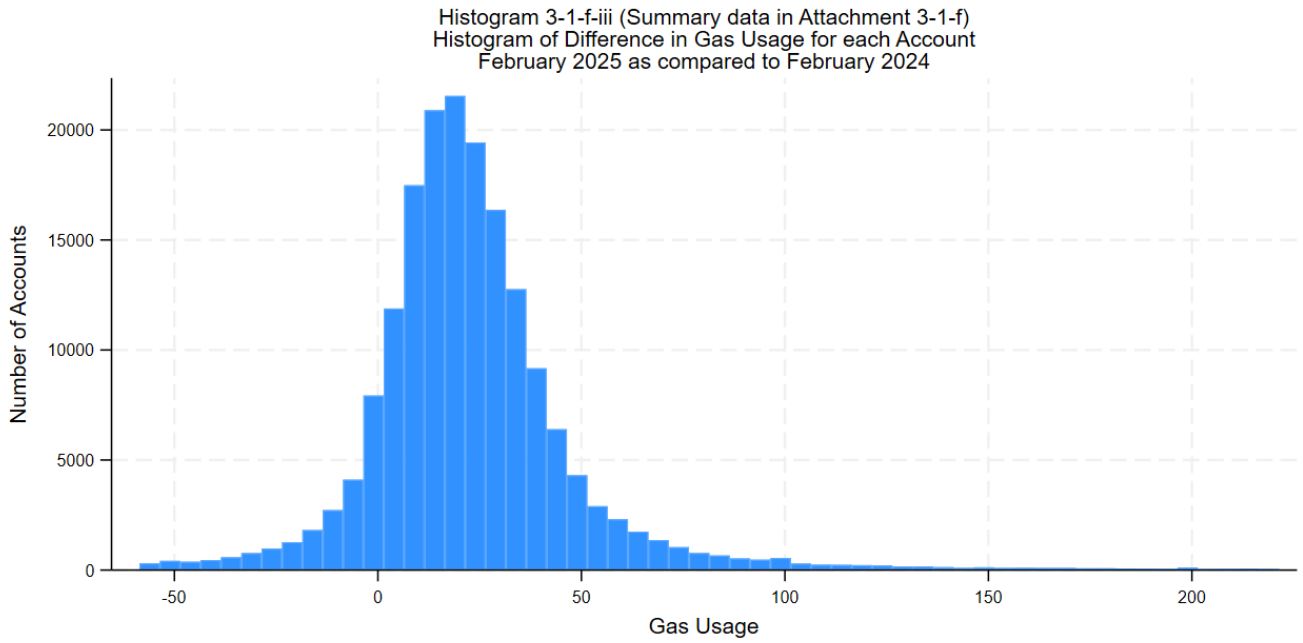
iii. February 2025, as compared to February 2024.



(a) Data for February 2024 - February 2025. Rate = 1247. N = 180,914 accounts. Bin width = 5 %.
(b) Min = -100 %. Max = 59,833 %.
(c) N = 1,810 accounts have change in usage less than the 1st percentile (-58.6 %; accounts not shown).
(d) N = 1,809 accounts have change in usage greater than the 99th percentile (221.0 %; accounts not shown).
(e) Mean Change (Standard Deviation) = 32.5 (313.5) %.
(f) Percentiles: p(25) = 9.4 %. p(50) = 20.2 %. p(75) = 33.1 %.

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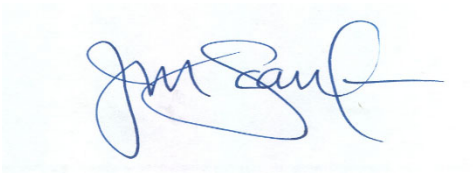
g. The Company infers that the intent of this part is to show that change in usage (i.e., subparts c through f) is equally distributed about a mean of zero when controlling for all factors that influence usage. If the histograms are not equally distributed about a mean of zero, then it is possible that there is another factor contributing to the change in usage for that month year-over-year. The Company cautions that the data available is not appropriate for this methodological approach.

Factors that the Company considers when deriving its gas and electric forecasts include weather-normalized historical usage data at the system level, economic factors that influence long-term aggregate usage patterns, and overall trends in technology adoption and efficiency. The dataset used to produce the histograms in parts a through f is based on usage per bill month at the account level; normalizing this data for state-wide weather, state-wide economic factors, and/or other trends generally applicable to the customer base would not fully explain changes in usage at the customer level. Thus, the Company is not able to implement the requested controls or adjustments to account for these variables in the dataset used in parts a through f.

Certificate of Service

I hereby certify that a copy of the cover letter and any materials accompanying this certificate was electronically transmitted to the individuals listed below.

The paper copies of this filing are being hand delivered to the Rhode Island Public Utilities Commission and to the Rhode Island Division of Public Utilities and Carriers.



Joanne M. Scanlon

April 23, 2025
Date

Docket No. 25-08-GE – PUC's Inquiry Into Rhode Island Energy's Billing Systems Practices and Performance
Service list updated on 4/22/2025

Name/Address	E-mail Distribution List	Phone
The Narragansett Electric Company d/b/a Rhode Island Energy Jennifer Brooks Hutchinson, Esq. Andrew Marcaccio, Esq. Celia B. O'Brien, Esq. 280 Melrose St. Providence, RI 02907	JHutchinson@pplweb.com; AMarcaccio@pplweb.com; CObrien@pplweb.com; JScanlon@pplweb.com; LHAria@RIEnergy.com; KLDeSousa@RIEnergy.com; CAGill@RIEnergy.com; NKocon@RIEnergy.com; PLaFond@RIEnergy.com; MVLeone@RIEnergy.com; DMMoreira@RIEnergy.com; JMOBrien@RIEnergy.com; CARossi@RIEnergy.com; MSSullivan@pplweb.com; BESchuster@RIEnergy.com;	401-316-7429 401-784-4263 401-578-2700
Leo Wold, Esq. Division of Public Utilities and Carriers	Leo.wold@dpuc.ri.gov; Linda.george@dpuc.ri.gov; Margaret.L.Hogan@dpuc.ri.gov; John.bell@dpuc.ri.gov; Al.mancini@dpuc.ri.gov;	401-780-2177

	Robert.bailey@dpuc.ri.gov;	
	Donald.Ledversis.CTR@dpuc.ri.gov;	
	mark.a.simpkins@dpuc.ri.gov;	
	kyle.j.lynch@dpuc.ri.gov;	
	gregory.schultz@dpuc.ri.gov;	
	john.r.harrington@dpuc.ri.gov;	
	Ellen.golde@dpuc.ri.gov;	
	diana.moniz@dpuc.ri.gov;	
	terry.mercer@dpuc.ri.gov;	
	joseph.shilling@dpuc.ri.gov;	
File an original & 5 copies w/ PUC: Stephanie De La Rosa, Commission Clerk Public Utilities Commission 89 Jefferson Blvd. Warwick, RI 02888	stephanie.delarosa@puc.ri.gov;	401-780-2107
	Patricia.lucarelli@puc.ri.gov;	
	Cynthia.WilsonFrias@puc.ri.gov;	
	Alan.nault@puc.ri.gov;	
	jordan.sasa@puc.ri.gov;	
	Todd.bianco@puc.ri.gov;	
	Kristen.L.Masse@puc.ri.gov;	
Office of Energy Resources Adam Fague, Esq. Department of Administration One Capitol Hill Providence, RI 02908	adam.fague@doa.ri.gov;	
	william.owen@energy.ri.gov;	
	Christopher.Kearns@energy.ri.gov;	
	terri.brooks@energy.ri.gov;	
	Shauna.Beland@energy.ri.gov;	
	Abigail.Hasenfus@energy.ri.gov;	
RI Attorney General Office Nicholas Vaz, Esq. 150 South Main St. Providence, RI 02903	nvaz@riag.ri.gov;	
	mbedell@riag.ri.gov;	