

BEFORE THE STATE CORPORATION COMMISSION  
OF THE STATE OF KANSAS

In the Matter of The Empire District Electric            )  
Company's Net Metering Annual Compliance            )  
Filing as Required by K.A.R. 82-17-4.                    )                    Docket No. 12-EPDE-689-CPL

**ANNUAL NET METERING COMPLIANCE  
REPORT OF THE EMPIRE DISTRICT ELECTRIC COMPANY**

The Empire District Electric Company ("Empire") hereby submits its annual net metering compliance report pursuant to K.A.R. 82-17-4. In support of its filing Empire, states the following:

1.       On May 28, 2009, the Kansas Legislature passed into law the Net Metering and Easy Connection Act ("NMECA").<sup>1</sup> K.S.A. 66-1269 directed the State Corporation Commission of the State of Kansas ("Commission") to establish, within twelve (12) months of the effective date of the NMECA, rules and regulations for net metering applicable to jurisdictional utilities.

2.       On July 22, 2010, the Commission published in the Kansas Register the net metering regulations adopted by the Commission in a public hearing conducted on July 9, 2010.<sup>2</sup>

3.       K.A.R. 82-17-3 requires jurisdictional utilities to file with the Commission a tariff "setting forth the terms and conditions for net metering interconnection with a customer generator" with said tariff also including certain criteria specifically provided for in the regulation. On February 7, 2011, pursuant to and in compliance with K.A.R. 82-17-3, Empire filed for Commission approval of its net metering tariff. On April 1, 2011, the Commission issued its Order approving Empire's tariff, as recommended and modified by Commission Staff ("Staff").<sup>3</sup> The Commission also approved

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<sup>1</sup>K.S.A. 66-1263 through K.S.A.66-1271.

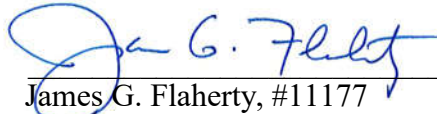
<sup>2</sup>K.A.R. 82-17-1 through K.A.R. 82-17-5.

<sup>3</sup>Docket No. 11-EPDE-551-TAR, Staff Report and Recommendation, filed March 11, 2011, pp. 3-4 (Staff recommended minor changes to language).

modifications to Empire's tariff in 2014 to bring the tariff into compliance with 2013-2014 legislative changes to the NMECA.<sup>4</sup>

4. K.A.R. 82-17-4 requires jurisdictional utilities file with the Commission by March 1 of each year an annual report containing specific information regarding the net metering facilities connected to its system. In the instant filing Empire seeks to satisfy the reporting requirements of K.A.R. 82-17-4 by submitting for review the attached Exhibit A, Empire's 2023 Net Metering Annual Report, outlining Empire customer net metering facilities connected to its system through December 31, 2023, as specified in K.A.R. 82-17-4(b).

WHEREFORE, Empire respectfully submits its 2023 Net Metering Annual Report for Commission review.



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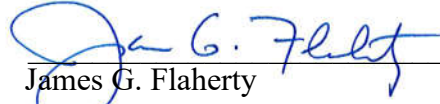
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Attorneys for The Empire District Electric Company

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<sup>4</sup>Docket No. 14-EPDE-558-TAR, Order on Application, filed July 24, 2014.

STATE OF KANSAS, COUNTY OF FRANKLIN, ss:

James G. Flaherty, of lawful age, being first duly sworn on oath, states: That he is attorney for The Empire District Electric Company; that he has read the above and foregoing Annual Net Metering Compliance Report, knows the contents thereof; and that the statements contained therein are true.

  
James G. Flaherty

SUBSCRIBED AND SWORN to before me this 1<sup>st</sup> day of March, 2024.



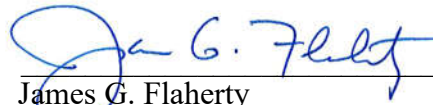


Notary Public

Appointment/Commission Expires:

### CERTIFICATE OF SERVICE

I hereby certify that a copy of the above and foregoing was sent via electronic mail, this 1<sup>st</sup> day of March, 2024, addressed to: Ahsan Latif, [a.latif@kcc.ks.gov](mailto:a.latif@kcc.ks.gov).

  
James G. Flaherty

THE EMPIRE DISTRICT ELECTRIC COMPANY  
2023 Net Metering Annual Report

Pursuant to Kansas Administrative Rules:  
Article 17 - Net Metering  
K.A.R. 82-17-4 Reporting Requirements

Customer Type	(A) Type of Generation	(B) Zip Code	(C) Date of Interconnection	(D) Expiring Excess kWh	(E) Generator Size (kW)	(F) Number & Meter Type	# Wires	Volts
Residential	Photovoltaic	66725	01/08/16	0	6	1/Itron	3 wire/1 phase	120/240
Commerical	Photovoltaic	66739	02/09/17	0	24.55	1/Landis & Gyr	4 wire/3 phase	120/241
Commerical	Photovoltaic	66739	02/09/17	0	30.2	1/Landis & Gyr	4 wire/3 phase	120/242
Commerical	Photovoltaic	66725	02/09/17	0	40.81	1/Itron	3 wire/1 phase	120/240
Commerical	Photovoltaic	66739	02/09/17	0	25.97	1/Landis & Gyr	4 wire/3 phase	120/241
Commerical	Photovoltaic	66739	02/09/17	0	25.97	1/Landis & Gyr	4 wire/3 phase	120/242
Residential	Photovoltaic	66739	03/23/17	0	7	1/Itron	3 wire/1 phase	120/240
Residential	Photovoltaic	66739	10/06/17	0	8.55	1/Itron	3 wire/1 phase	120/240
Residential	Photovoltaic	66725	11/16/17	0	7.5	1/Landis & Gyr	3 wire/1 phase	120/240
Residential	Photovoltaic	66725	01/29/18	0	11.04	1/Itron	3 wire/1 phase	120/240
Residential	Photovoltaic	66739	04/11/18	0	8.12	1/Itron	3 wire/1 phase	120/240
Residential	Photovoltaic	66739	05/10/18	0	10.88	1/Itron	3 wire/1 phase	120/240
Residential	Photovoltaic	66713	08/16/18	0	7.25	1/Itron	3 wire/1 phase	120/240
Residential	Photovoltaic	66725	09/17/18	0	15.00	1/Landis & Gyr	3 wire/1 phase	120/240
Residential	Photovoltaic	66725	09/21/18	0	10.15	1/Itron	3 wire/1 phase	120/240
Residential	Photovoltaic	66770	10/08/18	0	6.30	1/Itron	3 wire/1 phase	120/240
Residential	Photovoltaic	66739	10/16/18	0	16.20	1/Itron	3 wire/1 phase	120/240
Residential	Photovoltaic	66713	10/29/18	0	12.00	1/Itron	3 wire/1 phase	120/240
Residential	Photovoltaic	66739	11/02/18	0	6.00	1/Itron	3 wire/1 phase	120/240
Residential	Photovoltaic	66713	02/14/19	0	9.9	1/Landis & Gyr	3 wire/1 phase	120/240
Residential	Photovoltaic	66725	02/20/19	0	10.2	1/Itron	3 wire/1 phase	120/240
Residential	Photovoltaic	66713	04/01/19	0	14.7	1/Itron	3 wire/1 phase	120/240
Residential	Photovoltaic	66739	08/20/19	0	14.805	1/Itron	3 wire/1 phase	120/240
Residential	Photovoltaic	66725	12/11/19	0	9	1/Itron	3 wire/1 phase	120/240
Residential	Photovoltaic	66739	12/11/19	0	14.52	1/Itron	3 wire/1 phase	120/240
Residential	Photovoltaic	66739	12/19/19	0	5	1/Itron	3 wire/1 phase	120/240
Residential	Photovoltaic	66739	12/19/19	0	2.83	1/Itron	3 wire/1 phase	120/240
Residential	Photovoltaic	66739	01/24/20	0	6.82	1/Itron	3 wire/1 phase	120/240
Residential	Photovoltaic	66713	02/10/20	0	19.44	1/Landis & Gyr	3 wire/1 phase	120/240
Residential	Photovoltaic	66713	02/10/20	0	19.44	1/Landis & Gyr	3 wire/1 phase	120/240
Residential	Photovoltaic	66713	02/10/20	0	19.44	1/Landis & Gyr	3 wire/1 phase	120/240
Residential	Photovoltaic	66713	02/10/20	0	19.44	1/Landis & Gyr	3 wire/1 phase	120/240
Residential	Photovoltaic	66713	02/10/20	0	20	1/Itron	3 wire/1 phase	120/240
Residential	Photovoltaic	66725	10/13/20	0	10	1/Itron	3 wire/1 phase	120/240
Residential	Photovoltaic	66725	03/19/21	0	13.2	1/Itron	3 wire/1 phase	120/240
Residential	Photovoltaic	66739	12/01/21	0	25.2	1/Itron	3 wire/1 phase	120/240
Residential	Photovoltaic	66739	12/21/21	0	8.96	1/Itron	3 wire/1 phase	120/240
Residential	Photovoltaic	66739	01/31/22	0	10.08	1/Itron	3 wire/1 phase	120/240
Residential	Photovoltaic	66739	03/31/22	0	9.62	1/Itron	3 wire/1 phase	120/240
Residential	Photovoltaic	66725	04/11/22	0	6.66	1/Itron	3 wire/1 phase	120/240
Residential	Photovoltaic	66713	05/31/22	0	8.1	1/Itron	3 wire/1 phase	120/240
Residential	Photovoltaic	66713	06/06/22	0	11.745	1/Itron	3 wire/1 phase	120/240
Residential	Photovoltaic	66770	06/06/22	0	12.3	1/Itron	3 wire/1 phase	120/240
Residential	Photovoltaic	66713	07/07/22	0	7.4	1/Itron	3 wire/1 phase	120/240
Residential	Photovoltaic	66713	08/05/22	0	9.6	1/Itron	3 wire/1 phase	120/240
Residential	Photovoltaic	66713	09/12/22	0	10.36	1/Itron	3 wire/1 phase	120/240
Residential	Photovoltaic	66770	10/06/22	0	10.75	1/Itron	3 wire/1 phase	120/240
Residential	Photovoltaic	66739	10/11/22	0	5.18	1/Itron	3 wire/1 phase	120/240
Residential	Photovoltaic	66713	10/19/22	0	6.46	1/Itron	3 wire/1 phase	120/240
Residential	Photovoltaic	67356	10/26/22	0	5.32	1/Itron	3 wire/1 phase	120/240
Residential	Photovoltaic	66713	10/28/22	0	14.58	1/Itron	3 wire/1 phase	120/240

Residential	Photovoltaic	66713	11/07/22	0	10.27	1/Itron	3 wire/1 phase	120/240
Residential	Photovoltaic	66713	12/20/22	0	10.64	1/Itron	3 wire/1 phase	120/240
Residential	Photovoltaic	66781	12/29/22	0	15.39	1/Itron	3 wire/1 phase	120/240
Residential	Photovoltaic	66739	12/30/22	0	10.4	1/Itron	3 wire/1 phase	120/240
Residential	Photovoltaic	66739	1/11/23	0	6.84	1/Itron	4 wire/1 phase	120/241
Residential	Photovoltaic	66770	1/19/23	0	16.28	1/Itron	5 wire/1 phase	120/242
Residential	Photovoltaic	66739	1/19/23	0	5.55	1/Itron	6 wire/1 phase	120/243
Residential	Photovoltaic	66713	2/3/23	0	13.51	1/Itron	7 wire/1 phase	120/244
Residential	Photovoltaic	66713	2/10/23	0	10.585	1/Itron	8 wire/1 phase	120/245
Residential	Photovoltaic	66725	2/10/23	0	3.7	1/Itron	9 wire/1 phase	120/246
Residential	Photovoltaic	66713	2/15/23	0	5.84	1/Itron	10 wire/1 phase	120/247
Residential	Photovoltaic	66770	2/17/23	0	9.62	1/Itron	11 wire/1 phase	120/248
Residential	Photovoltaic	66739	2/21/23	0	9.6	1/Itron	12 wire/1 phase	120/249
Residential	Photovoltaic	66739	2/21/23	0	9.25	1/Itron	13 wire/1 phase	120/250
Residential	Photovoltaic	66770	3/3/23	0	12.16	1/Itron	14 wire/1 phase	120/251
Residential	Photovoltaic	66713	3/3/23	0	11.6	1/Itron	15 wire/1 phase	120/252
Residential	Photovoltaic	66739	3/14/23	0	12.21	1/Itron	16 wire/1 phase	120/253
Residential	Photovoltaic	66773	3/20/23	0	14.78	1/Itron	17 wire/1 phase	120/254
Residential	Photovoltaic	66739	3/23/23	0	11.1	1/Itron	18 wire/1 phase	120/255
Residential	Photovoltaic	66739	3/29/23	0	5.84	1/Itron	19 wire/1 phase	120/256
Residential	Photovoltaic	66739	3/31/23	0	12.8	1/Itron	20 wire/1 phase	120/257
Residential	Photovoltaic	66773	4/3/23	0	6.57	1/Itron	21 wire/1 phase	120/258
Residential	Photovoltaic	66770	4/12/23	0	14.99	1/Itron	22 wire/1 phase	120/259
Residential	Photovoltaic	66713	5/8/23	0	5.6	1/Itron	23 wire/1 phase	120/260
Residential	Photovoltaic	66770	5/11/23	0	6.8	1/Itron	24 wire/1 phase	120/261
Residential	Photovoltaic	66739	5/23/23	0	6.8	1/Itron	25 wire/1 phase	120/262
Residential	Photovoltaic	66713	6/2/23	0	14.8	1/Itron	26 wire/1 phase	120/263
Residential	Photovoltaic	66713	6/7/23	0	5.11	1/Itron	27 wire/1 phase	120/264
Residential	Photovoltaic	66739	6/7/23	0	12.95	1/Itron	28 wire/1 phase	120/265
Residential	Photovoltaic	66739	6/21/23	0	6.6	1/Itron	29 wire/1 phase	120/266
Residential	Photovoltaic	66713	6/22/23	0	13.6	1/Itron	30 wire/1 phase	120/267
Residential	Photovoltaic	66713	6/23/23	0	5.26	1/Itron	31 wire/1 phase	120/268
Residential	Photovoltaic	66713	7/18/23	0	9.62	1/Itron	32 wire/1 phase	120/269
Residential	Photovoltaic	66739	8/14/23	0	16.28	1/Itron	33 wire/1 phase	120/270
Residential	Photovoltaic	66773	8/18/23	0	6.4	1/Itron	34 wire/1 phase	120/271
Residential	Photovoltaic	66725	8/25/23	0	8.1	1/Itron	35 wire/1 phase	120/272
Residential	Photovoltaic	66739	8/29/23	0	8	1/Itron	36 wire/1 phase	120/273
Residential	Photovoltaic	66713	9/11/23	0	11.6	1/Itron	37 wire/1 phase	120/274
Residential	Photovoltaic	66725	9/12/23	0	5.6	1/Itron	38 wire/1 phase	120/275
Residential	Photovoltaic	66739	9/14/23	0	4.8	1/Itron	39 wire/1 phase	120/276
Residential	Photovoltaic	66713	10/3/23	0	11.84	1/Itron	40 wire/1 phase	120/277
Residential	Photovoltaic	66713	10/11/23	0	7.03	1/Itron	41 wire/1 phase	120/278
Residential	Photovoltaic	66725	10/11/23	0	4.4	1/Itron	42 wire/1 phase	120/279
Residential	Photovoltaic	66739	10/12/23	0	16.4	1/Itron	43 wire/1 phase	120/280
Residential	Photovoltaic	66739	10/12/23	0	15.54	1/Itron	44 wire/1 phase	120/281
Residential	Photovoltaic	66725	10/26/23	0	13.2	1/Itron	45 wire/1 phase	120/282
Residential	Photovoltaic	66725	10/26/23	0	3.24	1/Itron	46 wire/1 phase	120/283
Residential	Photovoltaic	66770	10/30/23	0	22.2	1/Itron	47 wire/1 phase	120/284
Residential	Photovoltaic	66713	10/31/23	0	4.44	1/Itron	48 wire/1 phase	120/285
Residential	Photovoltaic	66713	10/31/23	0	9.99	1/Itron	49 wire/1 phase	120/286
Residential	Photovoltaic	66725	12/5/23	0	8	1/Itron	50 wire/1 phase	120/287
Residential	Photovoltaic - ADD	66770	12/8/23	0	6.66	1/Itron	51 wire/1 phase	120/288
Residential	Photovoltaic	66739	12/14/23	0	4.96	1/Itron	52 wire/1 phase	120/289
Residential	Photovoltaic	66713	12/19/23	0	4.86	1/Itron	53 wire/1 phase	120/290
Residential	Photovoltaic	66739	12/20/23	0	8	1/Itron	54 wire/1 phase	120/291

(2) Total rated net metered generating capacity 1178.75 kW  
for all net metered facilities connected with  
Empire's system in Kansas as of December 31, 2023:

**RULE EXCERPT:**

82-17-4. Reporting Requirements.

- (a) Each utility shall submit to the Commission, by March 1, a report in a format approved by the Commission listing all net metered facilities connected with the utility during the prior calendar year, pursuant to the act.
- (b) Each report shall specify the following information:
  - (1) Information by customer type, including the following for each net metered facility:
    - (A) The type of generation resource in operation;
    - (B) Zip code of the net metered facility;
    - (C) First Year of interconnection;
    - (D) Any excess kilowatt-hour that expired at the end of the prior calendar year;
    - (E) Generator size;
    - (F) Number and type of meters; and
  - (2) The utility's system retail peak in Kansas and total rated net metered generating capacity for all net metered facilities connected with the utility's system in Kansas.

THE EMPIRE DISTRICT ELECTRIC COMPANY  
2023 Net Metering Annual Report  
Kansas Retail Peak Demand  
For Calendar Year 2023

Pursuant to Kansas Administrative Rules:  
Article 17 - Net Metering  
K.A.R. 82-17-4 Reporting Requirements

<u>Month</u>	<u>Date</u>	<u>Time</u>	<u>Megawatts</u>
January	1/30/2023	1000	45.2
February	2/01/2023	0800	40.4
March	3/14/2023	0800	42.0
April	4/06/2023	0800	29.0
May	5/08/2023	1800	30.7
June	6/29/2023	1700	44.7
July	7/12/2023	1800	42.5
August	8/21/2023	1700	49.5
September	9/05/2023	1800	38.1
October	10/02/2023	1700	43.7
November	11/01/2023	0800	45.8
December	12/19/2023	0800	41.1