

BEFORE THE PUBLIC UTILITIES COMMISSION OF OHIO

In the Matter of the Application of Ohio)
Edison Company, The Cleveland) Case No. 23-301-EL-SSO
Electric Illuminating Company and The)
Toledo Edison Company for Authority)
to Provide for a Standard Service Offer)
Pursuant to R.C. § 4928.143 in the Form)
of an Electric Security Plan)

**DIRECT TESTIMONY
OF**

JACOB J. NICODEMUS

**ON BEHALF OF THE STAFF OF THE
PUBLIC UTILITIES COMMISSION OF OHIO**

STAFF EX. ____

October 30, 2023

1 1. Q. Please state your name and business address.

2 A. My name is Jacob Nicodemus. My business address is 180 E. Broad Street,
3 Columbus, Ohio 43215.

4

5 2. Q. By whom are you employed?

6 A. I am employed by the Public Utilities Commission of Ohio (PUCO).

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8 3. Q. Please summarize your educational background and work experience.

9 A. I have a Bachelor of Applied Science in electro-mechanical engineering
10 from Miami University and have participated in a number of training
11 seminars related to various areas of the utility industry. I began my
12 employment at the PUCO in 2009 as a Utility Analyst in the Rates and
13 Tariffs Department where I worked primarily with gas cost recovery and
14 related matters. I was promoted in 2011 to a Researcher 3 position in the
15 gas pipeline safety section of the Service Monitoring and Enforcement
16 Department (SMED), and then promoted in January 2014 to my current
17 position.

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19 4. Q. What is your present position with the PUCO and what are your duties?

20 A. I am a Utility Specialist in the Reliability and Service Analysis Division of
21 SMED. I am responsible for monitoring and reporting on the electric
22 utilities' performance with respect to distribution reliability.

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5. Q. What is the purpose of your testimony in this case?

A. The purpose of my testimony is to discuss the reliability of Ohio Edison Company (OE), The Cleveland Electric Illuminating Company (CEI) and The Toledo Edison Company (TE), (collectively, the Companies) as related to R.C. 4928.143(B)(2)(h) and the Companies' reliability standards pursuant to Ohio Adm. Code 4901:1-10-10.

6. Q. Regarding the reliability of the distribution system, please provide your working knowledge of R.C. 4928.143(B)(2)(h).

A. This portion of the statute requires that the Commission examine the reliability of the Companies' distribution systems and ensure that the Companies' and customers' expectations are aligned and that the companies are placing sufficient emphasis on and dedicating sufficient resources to the reliability of the distribution systems.

7. Q. Regarding the reliability of the distribution system, please provide your working knowledge of Ohio Adm. Code 4901:1-10-10.

A. This rule discusses the process by which reliability standards are established for each company and the annual reporting requirements of performance against those standards.

8. Q. What standards are the Companies required to measure and report?
- A. The standards required per Ohio Adm. Code 4901:1-10-10 are Customer Average Interruption Duration Index (CAIDI), which is a measure of outage duration, and System Average Interruption Frequency Index (SAIFI), which is a measure of outage frequency.
9. Q. Have the Companies made the required annual reports of CAIDI and SAIFI?
- A. Yes.
10. Q. How have the Companies' reported performance compared to their approved standards?
- A. With only two exceptions, the Companies have met both their CAIDI and SAIFI standards for each of the last five years.

OE	CAIDI (measured in minutes)		SAIFI (measured in interruptions)	
	Standard	Performance	Standard	Performance
2018	114.37	105.40	1.11	0.94
2019	114.37	116.64*	1.11	0.90
2020	114.37	105.40	1.11	0.89
2021	114.37	102.12	1.11	0.97
2022	114.37	99.52	1.11	1.03

*missed performance

CEI	CAIDI (measured in minutes)		SAIFI (measured in interruptions)	
	Standard	Performance	Standard	Performance
2018	135.00	131.65	1.30	0.95
2019	135.00	125.74	1.30	0.90
2020	135.00	117.94	1.30	0.97
2021	135.00	126.86	1.30	1.07
2022	135.00	144.62*	1.30	1.06

*missed performance

TE	CAIDI (measured in minutes)		SAIFI (measured in interruptions)	
	Standard	Performance	Standard	Performance
2018	112.33	103.07	1.00	0.49
2019	112.33	106.81	1.00	0.62
2020	112.33	97.56	1.00	0.64
2021	112.33	94.75	1.00	0.68
2022	112.33	97.65	1.00	0.83

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2 11. Q. How does Staff evaluate customer perception of distribution reliability?

3 A. Per Ohio Adm. Code 4901:1-10-10(B)(4)(b), each company is required to
4 conduct a customer perception survey no less than every three years.

5

6 12. Q. When did the Companies last conduct a survey?

7 A. The Companies last conducted a survey in the 2nd, 3rd, and 4th quarters of
8 2021 and 1st quarter of 2022. The results were provided to Staff in May
9 2022.

10

11 13. Q. Did Staff review the results?

12 A. Yes. Staff reviewed the results and conducted an analysis to determine
13 averages across customers surveyed. In doing so, Staff was able to
14 approximate what customers perceive as acceptable values for CAIDI and
15 SAIFI.

	CAIDI	SAIFI
OE	605.81	1.97
CEI	588.55	1.93
TE	592.88	1.74

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1 Staff's analysis shows that the Companies' approved standards and
2 performance against those standards exceeds customer expectations with
3 respect to the customer perception surveys.
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5 14. Q. Does Staff believe that the Companies met the requirements of R.C.
6 4928.143(B)(2)(h) with respect to reliability of the distribution system?

7 A. Based on reported reliability performance and analysis of the customer
8 perception survey results, Staff believes that the Companies' and
9 customers' expectations are aligned and that the Companies are placing
10 sufficient emphasis on and dedicating sufficient resources to the reliability
11 of its distribution system.
12

13 15. Q. Does this conclude your testimony?

14 A. Yes, it does. However, I reserve the right to submit supplemental testimony
15 as described herein, as new information subsequently becomes available or
16 in response to positions taken by other parties.

PROOF OF SERVICE

I hereby certify that a true copy of the foregoing **Direct Testimony of Jacob J. Nicodemus** submitted on behalf of the Staff of the Public Utilities Commission of Ohio, was served via electronic mail, upon the following parties of record, this 30th day of October, 2023.

/s/ Thomas G. Lindgren

Thomas G. Lindgren

Assistant Attorney General

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Summary: Testimony Direct Testimony of Jacob J. Nicodemus on Behalf of the Staff
of the Public Utilities Commission of Ohio electronically filed by Mrs. Kimberly M.
Naeder on behalf of PUCO.