

State of Minnesota
Court of Administrative Hearings

For the Minnesota Public Utilities Commission

In the Matter of the Application for a Certificate of Need for the PowerOn Midwest 765 kV and
345 kV High Voltage Transmission Line Project

MPUC Docket No. E002, ET2, ET6675/CN-25-117

CAH Docket No.: 28-2500-41617

Direct Testimony of Fairman Campbell

August 13, 2026

1 **I. INTRODUCTION AND QUALIFICATIONS**

2

3 **Q. Please state your name and business address.**

4 A. My name is Fairman Campbell. My business address is 3165 Edgewood Parkway SW,
5 Cedar Rapids, Iowa 55404.

6

7 **Q. By whom are you employed and in what capacity?**

8 A. I am employed as a Principal Engineer for ITC Holdings Corp. (ITC). ITC Midwest LLC
9 (ITC Midwest), one of the Applicants in this proceeding, is a subsidiary of ITC.

10

11 **Q. Please briefly describe your educational background and professional experience.**

12 A. I earned a B.S. in Electrical Engineering from Iowa State University in Ames, Iowa, in
13 2009. I have been employed in the Transmission Planning department at ITC since 2010
14 and have served in my current position since 2022. Over the course of my career at ITC, I
15 have held positions of increasing responsibility within the Transmission Planning
16 department, including but not limited to transmission studies and analysis, load
17 interconnection studies, developing project scoping documents, coordinating plans and
18 projects with both internal departments and external stakeholders, development of capital
19 projects and long-range transmission plans, asset acquisitions, and support of regional
20 planning functions through the Midcontinent Independent System Operator, Inc (MISO)
21 and compliance with North American Electric Reliability Corporation (NERC) reliability
22 standards. I obtained my Professional Engineer license in the State of Iowa in 2015 and in
23 the State of Minnesota in 2025. My qualifications are summarized in **Schedule 1** to my
24 testimony.

25

26 **Q. What are your responsibilities as a Principal Engineer?**

27 A. My current responsibilities include but are not limited to performing and overseeing the
28 yearly TPL 001-5 compliance analysis and reporting, performing powerflow analysis to
29 support Economic Development, and scoping development for capital projects. I am also

1 serving as the planning lead for ITC Midwest in support of the Long-Range Transmission
2 Planning (LRTP) Tranche 2.1 projects in Minnesota.

3
4 **Q. For whom are you testifying?**

5 A. I am testifying on behalf of Great River Energy, Northern States Power Company, doing
6 business as Xcel Energy, and ITC Midwest (collectively, Applicants), in support of their
7 Joint Certificate of Need Application (Application) to the Minnesota Public Utilities
8 Commission (Commission) for the PowerOn Midwest Project (Project).

9
10 **Q. What is your role with respect to the Project?**

11 A. I am the planning engineer representing ITC Midwest in all planning analyses provided in
12 this docket. ITC Midwest, Great River Energy, and Xcel Energy collaborated on the
13 analyses in support of the Application.

14
15 **II. TESTIMONY OVERVIEW**

16
17 **Q. How is your Direct Testimony organized?**

18 A. My Direct Testimony is organized as follows:

- 19 • Section III: ITC Midwest and Project Ownership; and
20 • Section IV: Conclusion.

21
22 **Q. What schedules are attached to your Direct Testimony?**

23 A. The following schedule is attached to my Direct Testimony:

- 24 • **Schedule 1**: Statement of Qualifications

25
26 **Q. Are you sponsoring any sections and appendices of the Application?**

27 A. Yes, I am sponsoring the following sections of the Application:

- 28 • Section 1.3 – Project Ownership, as it concerns ITC Midwest;

- Section 1.12 – Applicants’ Request and Contact Information, as it concerns ITC Midwest;
- Section 2.3.1 – Lakefield Junction; and
- Section 2.5.3 – Rate Impact – ITC Midwest.

III. ITC MIDWEST AND PROJECT OWNERSHIP

Q. Please provide a brief overview of ITC Midwest.

A. ITC Midwest is a subsidiary of ITC Holdings Corp., the largest independent electricity transmission company in the U.S. with operations in eight states. ITC Midwest connects a variety of customers at transmission-level voltages. These include large generation and distribution utilities, municipal utility systems, rural electric cooperatives, and large commercial and industrial customers that require high-voltage electricity. ITC Midwest is headquartered in Cedar Rapids, Iowa, and maintains warehouses in Dubuque, Iowa City, and Perry, Iowa, and Albert Lea and Lakefield, Minnesota. ITC Midwest operates more than 6,600 circuit miles of transmission lines in Iowa, Minnesota, Illinois, Missouri, and Wisconsin.

Q. Is ITC Midwest developing any 765 kilovolt (kV) facilities outside of the State of Minnesota?

A. Yes, ITC Midwest is responsible for the upgrade and expansion of the Twinkle Substation in Marshalltown, Iowa, which will include new 765 kV equipment as part of LRTP 38.

Q. What is ITC Midwest’s role with respect to the Project?

A. ITC Midwest is developing and will own part of LRTP 22 in Minnesota, LRTP 23, and LRTP 24, each of which is part of the PowerOn Midwest Project.

Q. Describe ITC Midwest’s ownership of the PowerOn 765 kV transmission facilities.

A. ITC Midwest will own approximately 55 percent of the 765 kV transmission line running from the South Dakota/Minnesota border and the Lakefield Junction Substation in Jackson

County, Minnesota (LRTP 22). The final ownership percentages for the 765 kV transmission line will depend on actual costs of LRTP 22. ITC Midwest will own and operate 100 percent of the 765 kV transmission line from the Lakefield Junction Substation to the Iowa/Minnesota border (LRTP 23). ITC Midwest will own 50 percent of the 765 kV transmission line from the Lakefield Junction Substation to the Pleasant Valley Substation (LRTP 24).¹ The final ownership percentages for the 765 kV transmission line will depend on actual costs of LRTP 24. ITC Midwest will also own and operate the Lakefield Junction Substation, including its expansion and the associated 345 kV lines as part of the Project.

Q. Will ITC Midwest complete upgrades to its substation facilities as part of the Project?

A. Yes. ITC Midwest owns the Lakefield Junction Substation in Jackson County and will upgrade and expand this existing substation as part of the Project. The Lakefield Junction Substation will be expanded by approximately 52 acres to accommodate the new 765 kV facilities. The 765 kV portion of the Lakefield Junction Substation will be laid out in a double-breaker-double-bus configuration for all interconnecting terminals. Three 765 kV transmission lines will connect to the expanded Lakefield Junction Substation. All three of these 765 kV transmission lines will require reactors. Two 765/345 kV transformer banks will be in the 765 kV portion of the substation. The transformer banks will consist of three in-service single-phase 765/345 kV transformers and one single-phase 765/345 kV transformer shared as a spare between both transformer banks.

The 765 kV portion of the Lakefield Junction Substation will be connected to the existing 345 kV portion of the Lakefield Junction Substation by two 345 kV lines. The existing Lakefield Junction Substation will be expanded by approximately four acres to accommodate the new 345 kV facilities. ITC Midwest will install equipment in the 345 kV portion of the Lakefield Junction Substation to connect two 765/345 kV transformer banks between the 765 kV substation and the 345 kV substation. The transformer interconnection

¹ LRTP 24 also includes a 765 kV transmission line from the Pleasant Valley Substation to the North Rochester Substation. This segment of LRTP 24 will be owned by Great River Energy and Xcel Energy.

1 at the 345 kV substation will be a double-breaker-double-bus configuration. Equipment in
2 the expanded Lakefield Junction Substation will be enclosed with high-security fencing.
3

4 **IV. CONCLUSION**
5

6 **Q. Does this conclude your Direct Testimony?**

7 **A. Yes.**

Fairman S. Campbell

PROFESSIONAL EXPERIENCE

ITC Midwest, Cedar Rapids, IA | 2022–Current

Principal Engineer Transmission Planning

- ITC Midwest Planning lead for the PowerOn MISO LRTP Tranche 2.1 765 kV projects in Minnesota
- Lead and perform the ITC Midwest yearly TPL 001-5 assessment
- Lead Planner on the Cedar Rapids to Marshalltown 34.5 kV to 69 kV conversion
- Perform select power flow analysis supporting Economic Development in the ITC Midwest footprint
- Participated in the MISO LRTP Tranche 2.1 development process

ITC Midwest, Cedar Rapids, IA | 2015–2022

Senior Engineer Transmission Planning

- Lead on acquisition of the Jo-Carroll 34.5 kV assets
- Performed load interconnections in the ITC Midwest footprint
- Authored RSAWs for FAC-002, FAC-008, FAC-014 for the 2017 NERC Order 890 Reliability Standards audit of ITC Midwest
- Participated in the MISO LRTP Tranche 1 development process
- Developed and submitted EI Sketches (scoping documents) for internal review in the ITCM, METC, and ITCT footprints and later submitted and approved in the MISO MTEP process
- Managed the ITC Midwest Ratings and Impedance database

ITC Midwest, Cedar Rapids, IA | 2013–2015

Engineer Transmission Planning

- Performed load interconnections in the ITC Midwest footprint
- Completed the Marshalltown to Cedar Rapids 34.5 kV to 69 kV Conversion study. EI Sketches were submitted and the plan was submitted and approved in the MISO MTEP process

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APP- ____ (Campbell)

Direct Schedule 1

- Managed and coordinated internal Engineering groups to complete the ITC Midwest BES overhead line NERC Alert
- Authored RSAWs for FAC-002, FAC-008, FAC-014 for the 2014 NERC Order 890 Reliability Standards audit of ITC Midwest
- Developed and submitted EI Sketches (scoping documents) for internal review in the ITCM footprint leading to submittal and approval in the MISO MTEP process
- Managed the ITC Midwest Ratings and Impedance database

ITC Midwest, Cedar Rapids, IA | 2010–2013

Associate Engineer Transmission Planning

- Performed load interconnections in the ITC Midwest footprint
- Led the ITC Midwest Planning summer intern program
- Developed and submitted EI Sketches (scoping documents) for internal review in the ITCM footprint
- Managed the ITCM Ratings and Impedance database

EDUCATION

B.S. in Electrical Engineering, Iowa State College of Science and Technology, Ames, IA | 2009

Professional Engineer, Iowa PE | 2015

Professional Engineer, Minnesota PE | 2025

COMPUTER EXPERIENCE

PSSE, MUST, CAPE, Microsoft Office

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APP- ____ (Campbell)

Direct Schedule 1