

Intervenor Testimony
Bradley L. Sylliaasen

Before the South Dakota Public Utilities Commission
State of South Dakota

In the Matter of the Petition of Sweetman Const. Co. dba Knife River, to have Xcel
Energy Assigned as its Electric Provider in the Service Area of Sioux Valley Electric

Docket No. EL25-032
Exhibit__(BLS-1)

February 17, 2026

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Schedules

Map	Schedule 1
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1 **I. INTRODUCTION AND QUALIFICATIONS**

2
3 Q. PLEASE STATE YOUR NAME AND TITLE.

4 A. My name is Bradley L. Sylliaasen, Senior Engineer.

5
6 Q. PLEASE DESCRIBE YOUR QUALIFICATIONS AND EXPERIENCE.

7 A. I have a Bachelor of Science degree in Electrical Engineering from South
8 Dakota State University. I have 30+ years of experience in engineering and
9 operations in the utility sector, all with Northern States Power Company, a
10 Minnesota corporation (NSP, Xcel Energy, or the Company).

11
12 Q. FOR WHOM ARE YOU TESTIFYING?

13 A. I am testifying on behalf of Northern States Power Company, a Minnesota
14 corporation (NSP, Xcel Energy, or the Company).

15
16 Q. WHAT IS THE PURPOSE OF YOUR TESTIMONY IN THIS PROCEEDING?

17 A. The purpose of my testimony is to discuss the technical aspects of how the
18 Company will serve Knife River’s new rock crushing plant if Knife River’s
19 Petition is granted.

20
21 **II. TECHNICAL ASPECTS OF SERVICE**

22
23 Q. CAN YOU DESCRIBE HOW THE COMPANY WOULD SERVE KNIFE RIVER’S ROCK
24 CRUSHING PLANT IF KNIFE RIVER’S PETITION IS GRANTED?

25 A. If the Commission grants Knife River’s Petition, the Company could serve the
26 load by constructing additional distribution level infrastructure. The Company
27 would construct approximately 10 miles of 34.5 kV of distribution level

1 infrastructure along the mapped route provided in in Exhibit___(BLS-1),
2 Schedule 1. The customer has stated they will want primary service. The primary
3 meter location is marked as “New Service Location” in Schedule 1. This 34.5
4 kV line would be served from Xcel Energy’s Lawrence Substation highlighted
5 on the map in Schedule 1. Xcel Energy would serve this 34.5 kV line with an
6 existing substation transformer and would need to upgrade the Lawrence
7 Substation with an additional feeder bay to support the feeder infrastructure.
8 The load would be served from the NSP System.

9
10 Q. WOULD THE COMPANY NEED TO CONSTRUCT ON-SITE ELECTRICAL
11 DISTRIBUTION SYSTEM TO ENABLE KNIFE RIVER TO RECEIVE SERVICE?

12 A. No, the Company would serve them with a primary voltage service at 34.5 kV.
13 Any distribution facilities beyond that point would be owned and operated by
14 the customer.

15
16 Q. WOULD THE COMPANY NEED TO CONSTRUCT NEW SUBSTATION
17 TRANSFORMERS TO SERVE KNIFE RIVER’S LOAD?

18 A. No.

19
20 Q. WOULD THE COMPANY NEED TO PROCURE OR CONSTRUCT ANY ADDITIONAL
21 CAPACITY TO SERVE THE PLANT’S DEMAND?

22 A. No.

1 Q. WOULD THERE BE ANY DUPLICATION OF SERVICES IF KNIFE RIVER'S PETITION
2 IS GRANTED?

3 A. Based on the information available to the Company, we do not believe there
4 would be any duplication because the assigned utility does not currently have
5 capacity to serve Knife River's load while the Company does.

6

7

III. CONCLUSION

8

9 Q. DOES THIS CONCLUDE YOUR INTERVENOR TESTIMONY?

10 A. Yes.