

STATE OF SOUTH DAKOTA
BEFORE THE
PUBLIC UTILITIES COMMISSION

<p>In the Matter of the Petition by Sweetman Const. Co. D/B/A Knife River, to have XCEL Energy Assigned as its Electric Provider in the Service Area of Sioux Valley Electric</p>	<p>DOCKET NO. EL25-032</p>
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KNIFE RIVER’S First Set of Responses to Joint Data Requests of Sioux Valley Electric, East River Electric and Basin Electric

1. Please provide a copy of all data requests Sweetman Constr. Co. d/b/a Knife River (“Knife River”) received from any party, including PUC Staff, and Knife River’s response to the data requests. This should be considered a continuing request.

Answer: The only data request received by Knife River other than this one was from the PUC Staff. Those responses and documents have been filed publicly in the docket.

2. Identify all facts that establish Knife River is a new customer as contemplated by SDCL §49-34A-56. Produce all documents supporting the same.

Answer: The new facility is being built on a new location with no existing facilities. It is to produce a new product separate from the products currently being produced by Knife River at its existing plant.

3. Identify all facts that establish the location for Knife River’s Rock Crushing Plant represent a new location as contemplated by SDCL §49-34A-56. Produce any documents supporting the same.

Answer: As shown by the map produced herewith as well as previously including in response to the data requests of PUC staff, the construction of the new rock crushing plant is clearly in a new location from the existing plant and infrastructure of Knife River. See, Exhibit 1.

4. Please identify Knife River’s contracted minimum demand that Xcel Energy will serve. Please provide a copy of any document that legally binds Knife River to meet that minimum demand and explain how the documents meet the minimum demand requirement in SDCL §49-34A-56.

Answer: 11 megawatts. See the attached spreadsheet with the electrical load list, marked as Exhibit 2. There is no document at this point known by Knife River that legally binds it to meet that minimum demand.

5. Identify Knife River’s demand and energy requirements in detail.

Answer: See answer to request No. 4.

6. Produce a copy of the electric service agreement between Knife River and Xcel Energy.

Answer: There is no such document.

7. Identify any permits Knife River is required to obtain from Minnehaha County or other governmental entity for its proposed Rock Crushing Plant near the City of Corson, South Dakota, as more specifically described in its Petition for Electric Service.

Answer: Objection, not relevant to the request of Knife River to the Commission. Without waiving said objection, the plant has obtained a conditional use permit and building permit.

8. If any permit identified in response to Request No. 5 has been approved, please produce a copy of any permit.

Answer: See objection to request No. 4. Without waiving said objection, see the attached marked as Exhibits 3 and 4.

9. Who will serve Knife River's electric needs upon termination of the electric service agreement with Xcel Energy?

Answer: See answer to request No. 6.

10. Identify in detail the substance and extent of any communications or negotiations between Sioux Valley Information and Knife River regarding the provision of electric service by Sioux Valley Energy to the proposed Rock Crushing Plant near the City of Corson, South Dakota, as more specifically described in Knife River's Petition for Electric Service.

Answer: There were numerous phone calls, emails and discussions held between individuals with Sioux Valley and Knife River. All know to Sioux Valley. The substance of the proposal to serve the electric needs of the new rock crushing facility is encapsulated on the email exchanges attached and marked collectively as Exhibit 5.

Dated this 2nd Day of December, 2025

William M Van Camp
Olinger Law Firm
PO Box 66
Pierre, SD 57501
605-224-8851
bvancamp@olingerlaw.net
Attorneys for Sweetman Construction Co.,
D/B/A Knife River

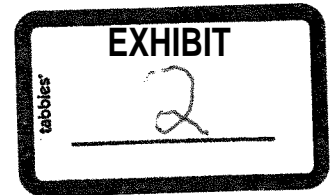
tabbies®
EXHIBIT
1



KNIFE RIVER
CORSON
PLAN & ORTHO 11-12-25

Drawn by: <u>CBU</u>	Date: <u>11/12/2025</u>
Approved: _____	Scale: <u>1"=325'</u>
Job No: _____	Revision: _____
Sheet: <u>1</u> of 1	Layout: _____

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Corson Load Data R5

Nameplate	HP	FLA	Calc KVA	Load Factor	Adjusted KVA
EH101		325	1087	902.6448	0.7 631.8514
EH102 4160V		1000	272	1957.5296	0.7 1370.271
EH102 480V		746	1158	961.6032	0.7 673.1222
EH103		350	534	443.4336	0.7 310.4035
EH201		660	910	755.664	0.7 528.9648
EH202		1307	1807	1500.5328	0.7 1050.373
EH203 4160V		2010	272	1957.5296	0.7 1370.271
EH203 480V		899	1658	1376.8032	0.7 963.7622
EH204		2831	3682	2598.90288	0.7 1819.232
EH-Pond		400	600	498.24	0.7 348.768
Total Of All		10528	11980	12952.88368	9067.019
				TOTAL SITE, Amend	9067.019
				MVA	9.067019

Motors in Scope

Nameplate	HP	FLA	Type
EH101			
JC101		50	65 3FVNR
JC102		50	65 3FVNR
JC103		50	65 3FVNR
JC104		50	65 3FVNR
MG101			26 FB35A
CP	125		156 225A/225A
Portable Crusher			225 SPACE ONLY
Pump			300 SPACE ONLY
EH102			
C101		200	240 400A/400A
C102		150	180 300A/300A
VGf101		125	156 250A/250A
C106		200	240 SPACE ONLY
HST101		2	3.4 FB20A
TLY101		0.5	1.1 FB20A
CR101EC1 MAIN VOLT 7.5KW			15.6 FB20A
TLY102 MI		3	3.4 FB20A
TLY 102 M2		3	3.4 FB20A
AC1		10	14 FB20A
HST103		2	3.4 SPACE ONLY
TLY103		0.5	1.1 SPACE ONLY
CR101 EC2 MAIN VOL'43.5KW			90.6 FB125A
HST102		50	60 FB80A
MG106			26 SPACE ONLY
EH103			
C103		350	414 SOFT START

EH201

Nameplate	HP	FLA	Type
C104		350	414 SOFT START
STK105 MI		200	240 SOFT START
STK105 M2		300	361 SPACE ONLY
STK105 TRAVEL MI		5	7.6 OFVR
STK105 TRAVEL M2		5	7.6 OFVR

EH202

Nameplate	HP	FLA	Type
C201 MI		250	302 400A/400A
C202		100	124 225A/225A
C203		100	124 225A/225A
C243		100	124 Space Only
C244		100	124 Space Only
F201		5	7.6 FB20A
F202		5	7.6 FB20A
F203		5	7.6 FB20A
F204		5	7.6 FB20A
F205		5	7.6 FB20A
F206		5	7.6 FB20A
F207		5	7.6 FB20A
F206		5	7.6 Space Only
MG201			13 FB20A
HST201		2	3.4 FB20A
TLY201		0.5	1.1 FB20A
HST204		2	3.4 FB20A
TLY204		0.5	1.1 FB20A
HST206		2	3.4 Space Only
TLY206		0.5	1.1 Space Only
SCR201 MI		40	52 3FVNR
SCR 201 M2		40	52 3FVNR
SCR202 MI		40	52 3FVNR
SCR202 M2		40	52 3FVNR
C204		20	27 2FVNR
C205		15	21 2FVNR
C213		40	52 3FVNR
C225		15	21 2FVNR
C226		20	27 2FVNR
C227		50	65 3FVNR
SCR206		30	40 3FVNR
C228		25	34 2FVNR
STK229		40	52 3FVNR
STK229 TRAVEL		2	3.4 OFVR
C230		30	40 3FVNR
SUP202		75	96 4FVNR
WP205		7.5	11 Space Only
SCR208 MI		40	52 Space Only

SCR208 M2		40	52 Space Only
EH203			
Nameplate	HP	FLA	Type
CR201 4160V		670	90.5 125A/125A
CR202 4160V		670	90.5 125A/125A
CR203 4160V		670	90.5 Space Only
C207		120	156 225A/225A
C206		75	96 225A/225A
CR201 EC2 MAIN VOL"43.5KW			90.6 125A/125A
CR202 EC2 MAIN VOL"43.5KW			90.6 125A/125A
CR203 EC2 MAIN VOL"43.5KW			90.6 Space Only
F208		10	14 FB30A
F209		10	14 FB30A
F214		5	7.6 Space Only
MG207	XX		13 FB20A
CR201 ECI MAIN VOL" 7.5KW			15.6 FB20A
CR202 ECI MAIN VOL"7.5KW			15.6 FB20A
TLY202		5	7.6 FB20A
HST205		2	3.4 FB20A
TLY204		0.5	1.1 FB20A
AC2		10	14 FB20A
MG214	XX		13 Space Only
CR203 ECI MAIN VOL" 7.5KW			15.6 Space Only
HST207		2	3.4 Space Only
TLY207		0.5	1.1 Space Only
HST202		30	40 FB50A
FD201		7.5	11 2FVNR
C231		60	77 4FVNR
SCR207M1		40	52 3FVNR
SCR207 M2		40	52 3FVNR
C232		15	21 2FVNR
C233		20	27 2FVNR
SP233		5	7.6 OFVNR
STK234		40	52 3FVNR
STK234 TRAVEL		2	3.4 OFVR
C235		20	7! 2FVNR
SP235		5	7.6 OFVNR
STK236		40	52 3FVNR
STK236 TRAVEL		2	3.4 OFVR
C237		25	34 2FVNR
C238		20	27 2FVNR
C239		40	52 3FVNR
SP239		5	7.6 OFVNR
STK240		40	52 3FVNR
STK240 TRAVEL		2	3.4 OFVR
DS201 M1		15	21 2FVNR
DS201 M2		15	21 2FVNR

WP206		7.5	11 1FVNR
DS202		7.5	11 1FVNR
C245		60	77 Space Only
SCR209 MI		40	52 Space Only
SCR209 M2		40	52 Space Only
C246		15	21 Space Only
EH204			
Nameplate	HP	FLA	Type
C208 MI		200	240 400A/400A
C217		75	96 225A/225A
STK218		100	124 225A/225A
SUP201		300	361 600A/600A
WP201		300	361 600A/600A
WP202		300	361 600A/600A
WP203		200	240 400A/400A
SUP204		300	391 600A/600A
F210		5	7.6 FB20A
F211		5	7.6 FB20A
F212		5	7.6 FB20A
HST203		2	3.4 FB20A
TLY203		0.5	1.1 FB20A
C209		75	96 4FVNR
C210		75	96 4FVNR
C211		75	96 4FVNR
SCR203 MI		50	65 4FVNR
SCR203 M2		50	65 4FVNR
SCR204 MI		50	65 4FVNR
SCR204 M2		50	65 4FRNR
SCR205 MI		50	65 4FVNR
SCR205 M2		50	65 4FVNR
C214		15	21 2FVNR
SP214		5	7.6 OFVNR
STK215		40	52 3FVNR
STK215 TRAVEL		2	3.4 OOFVR
C216		20	27 2FVNR
SP217		10	14 1FVNR
STK218 TRAVEL		10	14 1FVR
C219		15	21 2FVNR
C220		30	40 3FVNR
STK221		40	52 3FVNR
STK221 TRAVEL		2	3.4 OFVR
C222		15	21 2FVNR
C223		25	34 2FVNR
SP223		5	7.6 OFVNR
STK224		40	52 3FVNR
STK224 TRAVEL		2	3.4 OFVR
C241		25	34 2FVNR

STK242		40	52 3FVNR
STK242 TRAVEL		2	3.4 OFVR
SUP203		75	96 4FVNR
SUP205		75	96 Space Only
DWS201 MI		10	14 Space Only
DWS201 M2		10	14 Space Only
EH-Pond			
Nameplate	HP	FLA	Type
WP301A		200	240 400A
WP301B		200	240 400A

Minnehaha County Planning & Zoning

August 5, 2025

Knife River LLC.
1500 N Sweetman Place
Sioux Falls, SD 57107

Dear Petitioner:

At a meeting held on July 28, 2025, the Minnehaha County Planning Commission conducted a public hearing on Conditional Use Permit #25-43 to amend CUP #20-38 to Expand Rock Extraction Quarry on the properties legally described as: SW¼ (Ex. RY & H-1, H-2 & H-3) Section 14; PT NW¼ A NW¼ Lying N of Township Road Section 23; Lot 1 Kuehl's Addition NW¼ Section 23; Tract 2 Hunters Addition NW¼ Section 23; Tract 3 Hunters Addition NW¼ Section 23; and All That PT NWW Lying E of RR ROW & E of Highway (Ex. Hunters Addition & Ex. Kuehl's Addition) Section 23 all within T102N-R48W Brandon Township.

After due consideration, Conditional Use Permit #25-43 was approved by the Planning Commission with the following conditions:

- 1) An annual fee shall be paid to the County in accordance with Section 15.14 of the zoning regulations. (Note: An annual fee of \$10 per acre of unreclaimed land is assessed to the operator.)
- 2) There shall be no fuel storage allowed in areas designated as a ground water protection area or flood plain.
- 3) Hours of operation shall be from 7:00 am to 6:00 pm on weekdays and 8:00 am to noon on Saturdays.
- 4) That on-site dewatering shall only be for use in dust control, road projects and rock washing. Any off-site dewatering shall follow the non-point discharge elimination system (NPDES) permit for the site.
- 5) The ambient air quality standards for total suspended particulate matter shall be 150 micrograms per cubic meter of air as a 24-hour average not to be exceeded more than once a year, and 60 micrograms per cubic meter of air as an annual arithmetic mean. The standards for PM (10 micrometers or less in size) shall be consistent with the regulations of the State of South Dakota.
- 6) The County Planning Department shall direct the operator to install air quality sampling stations if the standards appear to be exceeded. Such monitoring shall be at the operator's expense.
- 7) The sound level from on-site operations shall not exceed an average of 55 decibels recorded over a 10-minute period measured at the nearest residence.
- 8) That one (1) off-street parking place for each employee and two (2) customer off-street parking spaces shall be provided.
- 9) The boundaries of the extraction area shall conform to the site plan submitted with the application.



Administration Building, 3rd Floor
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- 10) Topsoil shall remain on the site and be used in final reclamation.
- 11) Only clean fill shall be used as backfill.
- 12) There shall be no storage or accumulation of inoperable or discarded equipment or parts.
- 13) That earth berms and vegetation shall be constructed in the areas where the mining operation is directly adjacent to a public road or residence as required by the 1990 Revised Zoning Ordinance for Minnehaha County in Section 12.08 (G).
- 14) That all mining activity is concluded by January 1, 2060, and that reclamation shall be in accordance with the plan filed with the State and outlined in the application and all reclamation of the site shall be completed by December 31, 2061, in accordance to all requirements outlined in Article 12(G) of the Minnehaha County Zoning Ordinance.
- 15) That if one (1) or more acres of area is disturbed the applicant is required to obtain a General Permit from the Department of Environment and Natural Resources.
- 16) That the applicant provides the Minnehaha County Auditor with a surety bond or cash in the amount of \$5,000.00.
- 17) The applicant shall abide by all regulations outlined in Minnehaha County Floodplain Management Ordinance, MC32-03, when working in the 100-year floodplain and/or floodway.
- 18) The rock extraction operations shall be secured during non-working hours by means of gates and fencing. The property shall be continuously secured until all required reclamation activities have been completed.
- 19) All existing shelter belts around the rock extraction areas shall be maintained.
- 20) A non-point discharge elimination system (NPPDES) permit shall be obtained for all applicable areas of rock extraction.
- 21) All other required federal and state permits shall be obtained for the facility.
- 22) The facility shall comply with all plans submitted to the planning staff.

Please note that a building permit is still required prior to construction of any building, and all conditional use permits expire by limitation and become null and void if the building, work or use authorized by such conditional use permit is not commenced within two years from the date of approval.

Sincerely,



Scott Anderson
Planning Director



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Section 23 Township - Range 102-48
Map ID 011723400001000
Zoning Class Conditional Use Variance
A1

TYPE OF IMPROVEMENT

Sewer Septic Permit Type of Const. Req'd Flood Plain Building Eligibility ID
NO
Use Improvement Type Occupancy Class
Commercial New Building
Land Use Code
940 - Mining and quarrying (active)

APPLICANT

Name Knife River
Phone 605-660-8452
Address 1500 N SWEETMAN PL
City SIOUX FALLS
Zip 57107

CONTRACTORS

General Knife River
Phone 605-660-8452
Sewer
Phone
Plumber
Phone

BUILDING PERMIT

Description of work and use
Aggregate Plant Structure

Conditions/Limitations

Calculations

x 95.55 =
x 60.90 =
x 35.70 =
x 0.00 =
x 35.70 =
x 30.45 =

Permit Number 25-528

Permit Value \$ 10,891,700.00
Permit Fee \$ 108,917.00

I, THE UNDERSIGNED, DO HEREBY AFFIRM THE ABOVE STATEMENTS ARE TRUE AND CORRECT AND AGREE TO COMPLY WITH THE PROVISIONS OF THE REGULATIONS OF MINNEHAHA COUNTY AND THE APPROVED PLANS AND SPECIFICATIONS ACCOMPANV INriTMie ADDI ir'ATir'M TUC DDnoncerMMnni/ ic

Date Issued
11/5/2025

Department Official
STEFFEN, MASON

- 2* **CHANGE TO APPROVED PLANS** – Any change to the approved plans must be submitted to the Planning Department for approval before proceeding with any changes.
- 3. **ADDITIONAL PERMITS**– Plumbing and Electrical permits must be obtained from the State of South Dakota prior to construction.
- 4. **REWIRED INSPECTIONS** – The holder of this permit is required to notify the Planning Department of the inspections listed below. No work may be done on any part of the building or structure beyond the point indicated in each successive inspection without first obtaining the approval of the Building Inspector. Requests for inspection shall be given at least two days in advance.

- A. **FOOTINGS:** To be made after trenches are excavated and forms erected.
- B. **FRAMING:** To be made after the roof, all framing, fireblocking, and bracing are in place and all pipes, chimneys and vents are complete.
- C. **ELECTRICAL PERMIT:** Contact State Inspector
Jason Wingert at 605*201-0520
Doug Brende at 605-251-5454
- D. **PLUMBING PERROT:** Contact State Inspector
Ron Healy at 773-3429
- E. **FINAL:** To be made after the building is complete but before the building is occupied.

Item Details

Item	Item Number	Notes	Amount
Building Permit	25-528		\$108,917.00
Total			\$108,917.00

Bill Van Camp



From: Chris Graff <chris.graff@siouxvalleyenergy.com>
Sent: Thursday, January 16, 2025 10:11 AM
To: Haas, Andy
Cc: Jonathan T. Aus
Subject: RE: Sioux Valley/Corson Follow Up Meeting

Follow Up Flag: Follow up
Flag Status: Flagged

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Good morning Andy,

Thanks for the call yesterday and as you requested below are what I have from notes on the call from Monday. If you are looking for additional information please let me know and I would be happy to send it over or track it down.

Attendance:

Knife River – Andy Haas, Pete Richardson, Clark Meyer
Sioux Valley Energy – Chris Graff, Jason Sage
East River Electric Cooperative – Jon Aus, John Knofczynski

Discussion:

- East River discussed preliminary results from transmission level study. Best option moving forward would be to construct a new transmission line and distribution substation on site to serve the load.
 - Distribution Substation site would require 5-7 acres of land
- Feeding out of the existing Corson substation at full projected phase 2 load would be difficult without significant improvements and the space available at the Corson substation for those improvements would be constricting and possibly not feasible.
- East River is evaluating options for line routes and possible site locations based on their existing transmission network and will provide those recommendations with the cost estimates.
- Timeline for a distribution substation and transmission line would likely push beyond the 2026 startup date for Knife River so we discussed potential options.
 - Sioux Valley feels that the Phase I load estimate can be served with utilizing some existing facilities at the Sand Plant as well as one new feeder from the Corson substation. This is not a permanent solution as it will push facilities at the Corson substation beyond normal base ratings and will affect capacity and reliability of the Sioux Valley distribution system, but to meet the project timelines this would be a potential solution for a period of time until the new substation can be put into service.
 - This would also provide a backup feed to the Knife River facilities long term that would have the capacity available to back up a large portion of the load in the event the new substation is out of service.
- East River will work to provide recommendations on transmission line route and potential substation site.
 - This will include preliminary CIAC numbers (Contribution In Aid to Construction)

- o Sioux Valley will also include all necessary distribution costs once East River can provide a location for the substation facility, so we are able to determine distribution feeder distances.
- o We will provide those numbers sometime the Week of January 20th to Knife River.

Bill Van Camp

From: Chris Graff <chris.graff@siouxvalleyenergy.com>
Sent: Thursday, January 30, 2025 8:28 AM
To: Haas, Andy
Cc: Jonathan T. Aus; Ted Smith
Subject: RE: Sioux Valley/Corson Follow Up Meeting
Attachments: Knife River Load Addition Slides.pptx

**** WARNING: EXTERNAL SENDER. NEVER click links or open attachments without positive sender verification of purpose. DO NOT provide your user ID or password on sites or forms linked from this email. ****

Good morning Andy,

Attached is some information on the proposed solution to serve the expansion for Knife River up at the Corson facility. The first non-title slide is a proposed sub location and transmission route. I believe that is the site location we discuss in the last meeting or relatively close. The last slide is a table breakdown of the costs and what would be Knife River's responsibility under the last column marked as "load". For the Sioux Valley costs it is broken down between the initial load addition and the future expansion. We would look to receive payment on the costs under the initial load addition when we proceed forward with this project, but the future load addition costs could be incurred closer to when you request those facilities for the expansion in the next couple of years. Please review and don't hesitate to give me a call with any questions and we can discuss it.

Thanks,
Chris Graff, P.E.
Director of Operations



Office: 800-234-1960
Mobile: 605-940-3079
Direct: 605-582-3171
Email: chris.graff@siouxvalleyenergy.com

PO Box 216
Colman, SD 57017

www.siouxvalleyenergy.com

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Sioux Valley Energy is an equal opportunity provider and employer.

From: Haas, Andy <andy.haas@kniferiver.com>
Sent: Tuesday, January 28, 2025 8:07 AM
To: Chris Graff <chris.graff@siouxvalleyenergy.com>
Subject: RE: Sioux Valley/Corson Follow Up Meeting

*****External email use caution clicking links or opening attachments*****

Chris,

Do you have an update on the power supply for Corson?

Andy Haas
Aggregate & Asphalt General Manager

Knife River
1500 North Sweetman Place
Sioux Falls, SD 57118
office 605-336-5784
mobile 605-660-8452



From: Chris Graff <chris.graff@siouxvalleyenergvy.com>
Sent: Thursday, January 16, 2025 10:11 AM
To: Haas, Andy <andv.haas@kniferiver.com>
Cc: Jonathan T. Aus <jaus@eastriver.coop>
Subject: RE: Sioux Valley/Corson Follow Up Meeting

**** WARNING: EXTERNAL SENDER. NEVER click links or open attachments without positive sender verification of purpose. DO NOT provide your user ID or password on sites or forms linked from this email. ****

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but to meet the project timelines this would be a potential solution for a period of time until the new substation can be put into service.

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 - o We will provide those numbers sometime the Week of January 20th to Knife River.

New Corson Area Substation - Knife River Gravel and Quartz Quarry Load Addition

East River COST/CIAC ESTIMATES

Project	Description	Estimate	SPP	System	Load
Knife River New Substation Option					
115 kV Transmission Line	1.25 miles of 115 kV Transmission Line	\$500,000	\$0	\$0	\$500,000
115/12.47 kV Substation	New Distribution Sub, 115 kV Ring Bus, 10 MVA Base Transformer	\$6,500,000	\$3,250,000	\$0	\$3,250,000
	Total	\$7,000,000	\$3,250,000	\$0	\$3,250,000

SVE COSTS NOT INCLUDED IN THIS TABLE

Sioux Valley COST/CIAC ESTIMATES

Project	Description	Estimate	SPP	System	Load
Knife River New Substation Option					
Initial Load Addition	2 Distribution circuits, cable, equipment, transformers, and switches to feed 8,105.5 HP	\$1,230,000	\$0	\$0	\$1,230,000
Future Load Addition	1 Distribution circuit, cable, equipment, transformers, and switches to feed 2,861.5 HP	\$500,000	\$0	\$0	\$500,000
	Total	\$1,730,000	\$0	\$0	\$1,730,000

Bill Van Camp

From: Chris Graff <chris.graff@siouxvalleyenergy.com>
Sent: Thursday, May 29, 2025 8:18 AM
To: Haas, Andy
Subject: RE: Corson Plant Expansion Billing Estimate

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Andy,

The other thing I forgot to mention is the demand charge in your estimate is the demand coincident with East River's peak, so if your demand is lower at that time your demand charge would be less. The standard large power rate the sand plant is on, the demand charge is based on your plant peak. So for example if your highest demand at the new plant is 11MW but during the coincident peak time with East River you are only running at 8MW, you would only pay the \$24/kW demand charge on the 8MW. Where as if this were on our large power rate you would pay the \$17.50 on the full 11 MW. Does that make sense?

Thanks,
Chris

From: Haas, Andy <andy.haas@kniferiver.com>
Sent: Thursday, May 29, 2025 8:00 AM
To: Chris Graff <chris.graff@siouxvalleyenergy.com>
Subject: RE: Corson Plant Expansion Billing Estimate

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Chris,

Thanks for the information, that helps clarify a few questions on our end.

Andy

From: Chris Graff <chris.graff@siouxvalleyenergy.com>
Sent: Thursday, May 29, 2025 7:45 AM

To: Haas, Andy <andy.haas@kniferiver.com>

Subject: RE: Corson Plant Expansion Billing Estimate

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Andy,

The \$24/kW at this point is an estimate as we would need to know what your intention is with the aid amount before we could finalize that rate with East River. If you wanted to put some of that aid into the rate versus paying it all up front we would need to account for that in the rate.

A couple things to note though vs the current rate you are on with the sand plant. The sand plant is currently on our standard Large Power Rate which is for loads smaller than 2 MW. These loads receive not only some of our power supply from Basin Electric but also some of our WAPA allocation. Loads larger than 2 MW go on an individual rate which do not qualify for the WAPA allocation which is a slightly cheaper power supply. So that is some of the increase in the demand charge. The other component of the large power rate is the energy charge which for the large power is \$0.0411. The estimate below uses a slightly lower \$0.04 energy charge so there is a reduction in the energy charge from this estimate. Also, these are just estimated values for energy and demand and if you want to get into further discussion about pinpointing a definite rate value let me know and we can discuss what this could look like differently.

Thanks,
Chris Graff, P.E.
Director of Operations



Office: 800-234-1960
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Direct: 605-582-3171
Email: chris.graff@siouxvalleyenergy.com

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Colman, SD 57017

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From: Haas, Andy <andy.haas@kniferiver.com>
Sent: Thursday, May 29, 2025 7:25 AM
To: Chris Graff <chris.graff@siouxvalleyenergy.com>
Subject: RE: Corson Plant Expansion Billing Estimate

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Good morning, Chris

Still working on a cost analysis for the electric service for the new quarry and wanted to get clarification on the demand charge.

On the estimate below it shows the demand charge to be \$24.00 per kW and our current sand plant is only being billed at \$17.50 per kW, is there a reason for the increase in cost per kW?

Thanks

Andy

From: Chris Graff <chris.graff@siouxvalleyenergy.com>
Sent: Tuesday, March 18, 2025 9:22 AM
To: Haas, Andy <andy.haas@kniferiver.com>
Subject: Corson Plant Expansion Billing Estimate

** WARNING: EXTERNAL SENDER. NEVER click links or open attachments without positive sender verification of purpose. DO NOT provide your user ID or password on sites or forms linked from this email. **

Good morning Andy,

I have compiled an estimate for your monthly electric service as you have requested based on information from you. A couple of things to note:

- This is assuming Knife River would be paying 100% of the CIAO up front that was previously identified and sent over to you. (Approx. \$5,480,000)
- This is a rough estimate of what the rates would be. If you want more firm numbers on the rates, we would need to get a confirmation from you on what Knife Rivers plans for the CIAC and then work through those rates with East River to confirm.
- These numbers are based on your estimated 70% load factor and the plant running at 97% power factor during production months (10 months out of the year)
- The load in the 2 off months is estimated at 10% of the peak load. We discussed 5-10% will be expected so I assumed 10% to be on the upper end.

During Production Months (10 Months/Year)

Peak Load (kVA) - Estimate from Knife River	11,906.83
Peak Load (kW) - Assuming 97% Power Factor	11,549.63
Average kVA/Month based on 70% LF (70% LF estimated by Knife River)	8,334.78
Average kW/Month based on 70% LF (70% LF estimated by Knife River)	8,084.74
Estimated Energy Use (kWh) (30.5 days/month)	5,918,028
Basic Service Charge	\$ 12,000.00
Demand Charge (\$24/kW)	\$ 277,191.00
Energy Charge (\$0.04/kWh)	\$236,721.12
Estimated Average Bill in Production Months	\$ 525,912.12
Average All in Rate \$/kWh (Total \$/Total kWh)	\$ 0.089

During Maintenance Months (2 Months/Year)

Peak Load (kVA) - Estimate from Knife River	1,190.68
Peak Load (kW) - Assuming 97% Power Factor	1,154.96
Average kVA/Month based on 70% LF (70% LF estimated by Knife River)	833.48
Average kW/Month based on 70% LF (70% LF estimated by Knife River)	808.47
Estimated Energy Use (kWh) (30.5 days/month)	591,803
Basic Service Charge	\$ 12,000.00
Demand Charge (\$24/kW)	\$ 27,719.10
Energy Charge (\$0.04/kWh)	\$ 23,672.11
Estimated Average Bill in Maintenance Months	\$ 63,391.21
Average All in Rate \$/kWh (Total \$/Total kWh)	\$ 0.107

If you have any questions at all or want to discuss these numbers, please let me know.

Thanks,

Chris Graff, P.E.
Director of Operations



Office: 800-234-1960
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Direct: 605-582-3171
Email: chris.graff@siouxvalleenergy.com

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