

Received
 State of Nebraska
 Power Review Board
 Filed at 10:01 This 18
 day of April 2022
 By: Rebecca Hullaver
 Title: Business Manager

NEBRASKA POWER REVIEW BOARD

IN THE MATTER OF THE APPLICATION) Application for authority to construct or
 OF,) acquire an electric transmission line(s)
) and/or related facilities.
 Southern Public Power District)
 P.O. Box 1687) Application No.: PRB- 3968
 Grand Island, NE 68802-1687)
) Applicant File No.: 2022-1
)

Southern Public Power District applies to the Nebraska Power Review Board for an order authorizing it to construct or acquire an electric transmission line(s) and /or related facilities in Hall County, Nebraska, as set forth below.

(1) Description of proposed electric transmission line (s):

Items for description	Miles	Voltage	Phase
<u>2022-1</u>	<u>3.6</u>	<u>69KV</u>	<u>3</u>
_____	_____	_____	_____
_____	_____	_____	_____

(2) **Engineering Specification:** Applicant MAY attach to this application, as an exhibit, the following information if known:

- A. Type of System (Delta, Wye connected)
- B. Poles (Type, number per mile)
- C. Conductors (Size and Type)
- D. Insulators (Size and Type)
- E. Type of Construction (H-Frame, etc.)

(3) Purpose of construction and description of related facilities: Rebuild 3.6 miles of existing 34.5 kV line as 69 kV line.

(4) Name, address, and type of customers to be served:
Proposed line will provide a 69 kV feed between our substations. No distribution services will be provided by this line.

(5) Attached and designated, such as "Exhibit "A"" (if more than one exhibit, number the first "A-1", the second "A-2", etc.), are maps and other related exhibits showing location of proposed transmission lines and related facilities, and any other information deemed necessary or useful in the considerations of this application.

(6) Construction or acquisition of the proposed electric transmission facilities, electric transmission line, and/or related facilities is currently estimated to start on or about June, 2022, and to be completed on or about December, 2022.

(7) The estimated cost of construction is 875,000.

Is there any financial contribution by the customer? Yes No

If there is a financial contribution by the customer, how much was the contribution

Is this contribution included in the estimated construction cost? Yes No

(8) The owners of electric generation facilities, electric transmission lines, and/or related facilities, and any other persons or organizations known to the applicant whom the applicant believes to be interested in the application are:

City of Grand Island

(9) Waivers and consents from the following are attached:

City of Grand Island

(10) Safety Standards. The design of the transmission line(s) as set out in the foregoing conforms to the standards set forth in the most recent edition of the National Electrical Safety Code.

(11) The proposed electric transmission line, and/or related facilities will serve the public convenience and necessity, and the applicant can most economically and feasibly supply the electric service resulting from the proposed construction or acquisition without unnecessary duplication of facilities or operations

Dated this 13 day of April, 2022



Signature of Preparer

By Travis Dahlin

Title Engineering Technician

Address PO Box 1687

Grand Island, NE 68802

PRB-3968

EXHIBIT A-1

NO. 2022-1

DATE: 1/17/2022

BY: TWD

SOUTHERN PUBLIC POWER DISTRICT

P.O. BOX 1687, GRAND ISLAND, NE 68802
PH. 308-384-2350

PROPOSED

DESCRIPTION OF PROPOSED LINE

----- 69KV TRANSMISSION LINE

① Rebuild 3.6 miles of existing 34.5kV line as 69kV line

EXISTING

●●● SPPD TRANSMISSION LINE
●● NPPD 115KV TRANSMISSION LINE
- - - CITY OF GRAND ISLAND OVERHEAD ELECTRIC LINE

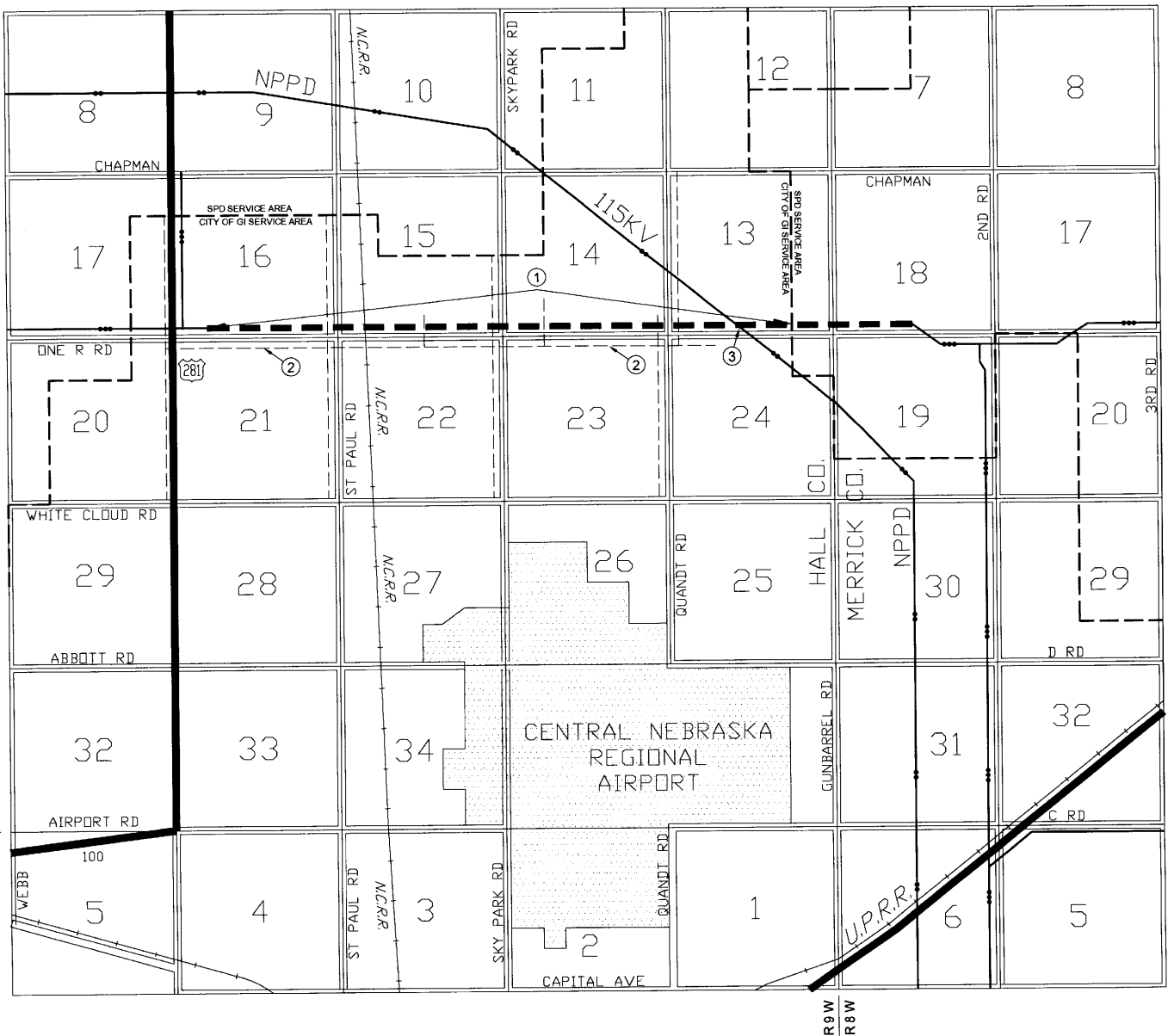
APPLICANT Southern Public Power District

COUNTY Hall

LEGAL South side of Sec. 13,14,15,16 - T12N - R9W

UTILITIES

- ② City of Grand Island - PO Box 1968 Grand Island NE 68802
- ③ Nebraska Public Power District - PO Box 499 Columbus NE 68602



SCALE: 1" = 1 MILE

**EXHIBIT "A-2"
SPECIFICATIONS**

PRB-3968

1. NAME AND ADDRESS OF APPLICANT: SOUTHERN PUBLIC POWER DISTRICT, PO BOX 1687, GRAND ISLAND NE 68802-1687
2. NAME AND ADDRESS OF ENGINEER: SOUTHERN PUBLIC POWER DISTRICT, PO BOX 1687, GRAND ISLAND, NE 68802-1687
3. GENERAL: PROPOSED 69KV OVERHEAD TRANSMISSION LINE

EXHIBIT "A"	LENGTH (Miles)	PHASE	VOLTAGE (kW)	COUNTY
2022-1	3.6	3	69 kV	HALL

4. TRANSFORMER CONNECTION: DELTA OR STAR: STAR. If Star connected, state if neutral is grounded at source only or multigrounded: SOURCE ONLY. Is Neutral wire strung through length of line? SHIELD WIRE
5. POLES:
Material or kind of timber: SOUTHERN YELLOW PINE. Minimum length of line poles: 55'
A.S.C. Class of Top Diameter: 2 (MIN). Treatment: PENTA. Poles per mile: 19-22. Strength: REA SPECIFICATION
6. ANCHORS AND GUYS:
Anchor Rod: 1-1/2" SQUARE SHAFT. Anchor: 8"-10"-12" TRIPLE HELIX. Strength: REA SPECIFICATION
Down Guy: 3/8" EHSS. Overhead Guy: 3/8" EHSS. Strength: REA SPECIFICATION
7. CROSSARMS, PINS AND BRACKETS:
Crossarms: Cross-Section N/A Length N/A Material N/A Strength N/A
Number Pins N/A Number Braces N/A
Pins Specify: Crossarm Metal Pin N/A Ridge Pin NA/ Brackets N/A
8. CONDUCTORS: If more than one circuit, show as Circuit No. 1, Circuit No. 2
Size AWG T2 4/0, 3-8"EHSS Material ACSR Insulation BARE Solid or Stranded: STRANDED
No. of Strands 6 ALUMINUM, 1 STEEL Soft, Medium or Hard Drawn Copper NONE
Conductor arrangement, Flat or Triangular: TRIANGULAR (TP-69) Spacing between conductors 8'6"
Span Length – Average 250' Maximum 350'
9. INSULATORS:
Type HORIZONTAL POST Material POLYMER Voltage Nominal 69KV Rating Min. Dry Flashover 217KV Mfg. N/A
Cat # N/A Suspension Units per String N/A
10. SPECIAL TYPE OF CONSTRUCTION: If any special type of construction is required, state briefly type used and location.
STANDARD REA SPECIFICATIONS.
11. CONFORMITY WITH STATUTES: Does the design of the transmission line/lines so set out in the foregoing conform with the laws of Nebraska and the rules and regulations of the Nebraska Public Service Commission? YES

PREPARED AND SUBMITTED BY:

SOUTHERN PUBLIC POWER DISTRICT

BY: Tavis Dalby

STATE OF NEBRASKA
NEBRASKA POWER REVIEW BOARD

IN THE MATTER OF THE
APPLICATION OF, Southern Public
Power District, headquartered in Grand
Island, Nebraska

) CONSENT AND WAIVER

) Application No.: PRB- 39168

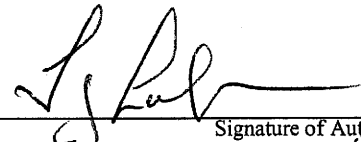
) Applicant's File No.: 2022-1

City of Grand Island enters its appearance before the Nebraska Power Review Board for the purpose of consenting to the approval, without hearing, of an application by the Southern Public Power District of Grand Island, Nebraska, to construct or acquire 69kV Overhead Transmission Line.

City of Grand Island stipulates that the proposed construction or acquisition by the applicant will serve the public convenience and necessity and the applicant can most economically and feasibly supply the electric service resulting from the proposed construction or acquisition without unnecessary duplication of facilities or operations.

City of Grand Island, Nebraska waives any and all notice of this matter.

Dated this 6 of February 2022.


Signature of Authorized Agent

By: Timothy G. Luchsinger
Print name of Authorized Agent

Title: Utilities Director

Company Name: City of Grand Island

Address: 100 E 1st Po Box 1968
GI, NE 68801

STATE OF NEBRASKA
NEBRASKA POWER REVIEW BOARD

IN THE MATTER OF THE)
APPLICATION OF, Southern Public)
Power District, headquartered in Grand)
Island, Nebraska)

CONSENT AND WAIVER
Application No.: PRB- 39168
Applicant's File No.: 2022-1

Nebraska Public Power District enters its appearance before the Nebraska Power Review Board for the purpose of consenting to the approval, without hearing, of an application by the Southern Public Power District of Grand Island, Nebraska, to construct or acquire 69kV Overhead Transmission Line.

Nebraska Public Power District stipulates that the proposed construction or acquisition by the applicant will serve the public convenience and necessity and the applicant can most economically and feasibly supply the electric service resulting from the proposed construction or acquisition without unnecessary duplication of facilities or operations.

Nebraska Public Power District waives any and all notice of this matter.

Dated this 6 of April, 2022.

Alan Beiermann
Signature of Authorized Agent

By: Alan Beiermann
Print name of Authorized Agent

Title: Land Management Manager

Company Name: Nebraska Public Power District

Address: PO Box 499
Columbus, NE 68602-0499