

NEBRASKA PUBLIC SERVICE COMMISSION
ELECTRIC TRANSMISSION LINE CONSTRUCTION - EXHIBIT B

APPLICATION TO CONSTRUCT, OPERATE, AND MAINTAIN ELECTRIC TRANSMISSION LINE(S)						DOCKET NO. E-_____ (assigned by PSC)	
EXHIBIT B - SPECIFICATIONS							
The specifications contained in Exhibit B will govern the proposed electric line construction and must be sufficient detail as to the type and manner of construction. The specifications must meet or exceed the minimum requirements of Nebraska law and rules and regulations.							
NOTICE OF PROPOSED CONSTRUCTION							
Provide brief description of the project below:							
GENERAL DESCRIPTION							
NOTE: Circuit numbers on Exhibit B must match with circuit numbers used on Exhibit A							
Indicate if overhead (OH) or underground (UG)	Circuit No.	County (if circuit crosses multiple counties, separately list each county specific segment)	Circuit length (Miles)	Total No. of phase wires	Voltage between phase wire (KV)	Total number of phase/ground/shield wires	Voltage to neutral or ground (KV)
SYSTEM CONNECTION AND GROUNDING							
Circuit no.	Delta or star (wye) connection	Neutral grounded at source only or multi-grounded (if wye connected)	Is neutral conductor continuous throughout length of line? (Check if Yes)	Is concentric neutral used? (Check if Yes)	If concentric neutral is used, list type		
Describe Any Double or Underbuilt Circuits							
CONDUCTORS (OVERHEAD)							
(Note – Show neutral conductor with associated phase conductor)							
Circuit no.	Size (AWG)	Material	Breaking strength	Arrangement	Spacing (Feet)	Span Length avg. (Feet)	Span Length max. (Feet)

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CONDUCTORS (UNDERGROUND)

(Note – Show neutral conductor with associated phase conductor)

Circuit No.	Size (AWG)	Material	Solid or stranded	Number of Strands	Copper Equivalent

INSULATION (OVERHEAD)

Circuit no.	Type	Nominal voltage (KV)	Minimum dry flashover (KV)	Material	No. of Units/strings	Manufacturer	Manufacturer's number

INSULATION (UNDERGROUND)

Circuit no.	Thickness	Type	Material	KV rating

CABLE TERMINATIONS (UNDERGROUND)

Circuit no.	Size	Type	KV rating	Manufacturer	Manufacturer number

POLES (OVERHEAD)

(Note-If steel towers or other fabricated structures are used, attached specifications for each type of tower and/or structure)

Circuit no.	Pole material or kind of lumber	Minimum line pole length (Feet)	Maximum pole elevation above sea level (Feet)	Pole Treatment	Strength (PSI)	Structures per mile

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ANCHORS AND GUYS (OVERHEAD)						
Circuit no.	Size of anchor	Type of anchor	Size of rods	Down guys	Head guys	Strength

CROSS ARMS (OVERHEAD)							
Circuit no.	Cross arm material	Cross arm section (Inches)	Length (Feet)	Number of Pins	Number of braces	Manufacturer	Manufacturer's number

PINS AND BRACKETS (OVERHEAD)								
Circuit no.	Pin Type	Pin size (Inches)	Pin manufacturer	Pin manufacturer's number	Bracket type	Bracket size (Inches)	Bracket manufacturer	Manufacturer's number

SPECIAL CONSTRUCTION (OVERHEAD)
Describe special type of construction, if used, and give location(s)

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MISCELLANEOUS (UNDERGROUND)			
Circuit no.	Cable depth (Inches)	Riser pole cable protection type	Riser pole cable protection size
Describe fault protection used			
Describe special type of construction, if used, and give location(s):			

Remarks – Equivalent Materials May be Substituted for Those Specified Above

LINES TO BE REMOVED				
Length (Miles)	Number of phases	Number of wires	Phase voltage (KV)	County

NOTE: If there is an inadequate number of fields provided with this form to list all circuits and/or line removals for a given project, complete and submit multiple forms with the same company assigned case or file number.