

North Dakota Transmission Authority

North Dakota Industrial Commission

BIL 40101(d) Application

Project Title: Transmission Line

Applicant: City of Valley City

Date of Application: 11/16/23

**Amount of Grant Request:
\$1,053,000**

**Total Amount of Proposed Project:
\$1,620,000**

Duration of Project: 2 Years

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Applicant Description

The City of Valley City is a government entity. The structure of the City of Valley City is a City Commission. The commission consists of a President and 4 commissioners.

President – Dave Carlsrud
Commissioner – Duane Magnuson
Commissioner – Mike Bishop
Commissioner – Jeff Erickson
Commissioner – Dick Gulmon

City Hall includes an Assessor, Attorney, Auditor, Deputy Auditor, Police Department (14 officers), Volunteer Fire Department with chief and assistant chief, Building/Fire Inspector, City Administrator, City Commission and Forestry Department.

The City of Valley City has their own Public Works that provides electric, water, wastewater and sanitation services and maintains city streets for Valley City. The city operates an electrical distribution utility with long term purchase power contracts with Western Area Power Administration (WAPA) and Missouri River Energy Services (MRES). This provides over 8,000 MWh annually in electricity to our residents and businesses.

Project Description

Transmission and Insulator Replacement Project

Approximately 1.8 miles of 69KV transmission line poles and insulators will be replaced.

The transmission line was installed in 1969 and has reached its life expectancy for years of service. Woodpeckers have been digging holes in the poles and insulators are cracking and needing to be repaired. This will cause more frequent power outages in the future. The public

works department has fixed the pole line as needed for the past five years, but these fixes are band-aid repairs that will not ensure the proper running of the power line. This replacement will save much needed time for our employees, funding on repairs in the future and increased reliability.

The transmission line will be upgraded to 41 new poles replacing pole for pole. New hardware will be installed on the new poles to use up to date material including 123 epoxy insulators that will replace old porcelain insulators. Grounding rods will be replaced on each of the new poles with proper copper weld that includes arrestor protection.

Labor hours included in this project will be provided by a contractor outside of our utility company. There will be about 1200 labor hours.

Standards of Success

Objective 1: Reduce the magnitude and duration of grid outages caused by major disruptive storm and non-storm events.

Outages in Valley City are common due to natural causes such as animals, high winds, storm events and flooding. Replacement of this 1.8 miles of power lines will lower the frequency of outages due to the deterioration of the poles and insulators currently.

Currently we are able to restore power to those affected by outages within one hour on average.

We have 7 full-time employees in the field working with our electrical system.

Objective 2: Reduce the frequency and impacts of grid outages caused by major disruptive storm and non-storm events.

The City of Valley City wants to lower the frequency of interruptions to their users. In 2023, there have been a total of 29.75 hours without power in various parts of the city due to mostly natural causes.

Each month there are power outages, but during the months of June through October in 2023 there have been more frequent outages. This is due to the age of the transmission line and the need to replace this last 1.8 miles. The other areas of the transmission line have already been replaced. Repairs are made to the transmission line and insulators as needed, but these repairs are only band-aid fixes and the transmission line needs complete replacement to prevent these outages in the future.

Ice, frost and wind especially combined are a common winter weather hazard in Valley City. This combination can take down poles and insulators, especially considering the age of our

insulators and poles. The sagging lines from this slam together in large winds and cause power outages and power surges.

Objective 3: Implement grid modernization projects to develop energy solutions that provide lower-cost energy access to disadvantaged or underserved communities and promote energy sufficiency and energy justice in these communities while providing clean energy in alignment with the Biden Administration's Justice40 Initiative. Renewable energy (RE) and distributed energy resources (DERs) that are installed and managed locally give disadvantaged communities the opportunity to meet the energy needs of their community, take control of their energy resources, and enjoy the long-term environmental and economic advantages of these resources. These initiatives not only offer a source of clean, local, renewable energy but also reduce energy costs, generating savings that can be reinvested into the community.

Valley City participates in Fire Prevention week to educate the public about fire safety and how this impacts our electric system. Valley City participates in Fire Prevention week to educate the public about fire safety. Two months before prevention week we go into the school and discuss their escape plan and going over their fire drills.

- The week before and the week after fire prevention week are set aside to go into the nursing homes and assisted living facilities to discuss fire prevention.
- The week before fire prevention week we also do tours for daycare facilities and discuss fire prevention with the kids.
- We host the parents and students of home-schooling during fire prevention week, 61 people attended.
- Classroom visits with head start and elementary schools were also provided along with firefighters putting on their gear to show the students.
- We visited all the schools for their fire drills that week including the Valley City State University Campus.
- Interviewed with the local media.

We offer a school education program for 5th graders called Smart Energy Squad. This program is the perfect opportunity to provide local students with invaluable knowledge for the future, and they will be taught the importance of energy efficiency, sources of electricity and renewable energy in a fun and interactive way. It offers digital tools, content customization and student kits. There is also an online teacher, parent and student portals.

Valley City participates in the scholarship program offerings through Missouri River Energy Services (MRES). Scholarships are awarded to students pursuing courses of study for careers related to the electric industry, such as an electrical technician (field service technician, wind turbine maintenance, power plant maintenance, etc.), electrical engineer or other engineering disciplines, mathematics, science or energy management.

We participate in the Mayor for a Day essay and coloring contest in conjunction with Government Week and NDLC (North Dakota League of Cities).

We have hired interns in the past and have allowed students to job shadow our crew. Two of those interns became full-time staff on our team. We will have a new intern in the spring of 2024. This internship program is a great opportunity for students to create credibility for future positions. It teaches communication, ownership of projects, how to meet deadlines, on the job training and how to work well with a team. It also helps us showcase how rewarding a career in the electrical industry can be as there is such a great need and demand for workers in this career field.

Electrical outages are a risk to the household in many ways including the following:

1. Our electrical upgrades to this transmission line will assure that those who work from home will have access to electricity without as many power outages. If the power goes out to a house that is a work from home office, then the internet goes down and that office is unable to work remotely.
2. Valley City Schools have made a virtual plan for inclement weather. Inclement weather threatens the power grid. Outages during inclement weather would cause issues with the school being able to get in contact with the students.
3. Electronic and appliance damage by power outages causing power surges has been an issue in the past here. We could prevent more of this from happening with an upgraded transmission line.
4. Power outages in extreme heat and extreme cold are a danger to all households due to heating and cooling being electrical. The people in these households would need to have emergency shelter and possibly medical care.
5. Outages also impact all of our local businesses and their ability to provide necessary products and services for all of our residents.

Project Timeline

The project would start in the spring of 2024, and it would take all summer to complete for a total time of 7 to 8 months.

We have asked for a 2-year project due to the possibility of products being unavailable or backordered with the anticipated supply chain constraints in our industry.

Project Budget

Please see attached estimate. This estimate does not state Valley City or have a current date. This estimate was given to us in November 2023, they used a project they are currently doing as our estimate as it is a similar project. We have requested one with our name and a closer date but did not receive it before this application was due. We have also rounded this estimate up slightly due to ever-increasing costs we are seeing for all of our construction projects.

The budget estimates are:

Materials	\$ 900,000
Labor and equipment	\$ 450,000
Engineering and testing	\$ 270,000
Total	\$1,620,000

We are requesting a 65% grant for this project through NDTA. The total project cost is \$1,620,000 and we are asking for a grant award of \$1,053,000 with a 35% match of \$567,000 from the applicant.

Grid Solutions



Proposal

Proposal No:

BSEQ29622

Project Name:

City of Volga 69kV Transmission Tie Line

Proposal Date:

02/23/23

Quote Valid to:

03/02/23

Freight Terms:

FREIGHT ADDED TO INVOICE

Customer Name:

Key Contracting Inc

Quote Prepared By:

Tim Kelley

West Fargo

ND

58078-1002

tkelley@borderstates.com

Border States is pleased to submit this proposal in accordance with your request. The attached proposal is our estimate for materials on the above referenced project based on the specifications provided. We have done our best to provide you with the most complete estimate possible. However, we do not guarantee our interpretation of the plans and specifications. We ask that any discrepancies be brought to our attention for immediate resolution. Please see notes at end of proposal for additional terms and any notes or exceptions.

Here is the quote you requested.

Item#	Qty	Description	Manufacturer	Part No	Unit Price	UOM	Ext. Price
		DF DCOI FAL CL1 55 FT Factory Lead Time: 18 Weeks		55(1)	\$2,540.43	ea	\$2,540.43
		DF DCOI FAL CL1 65 FT Factory Lead Time: 18 Weeks		65(1)	\$3,635.11	ea	\$25,445.77
		DF DCOI FAL CL1 70 FT Factory Lead Time: 18 Weeks		70(1)	\$3,938.30	ea	\$15,753.20
		DF DCOI FAL CLH1 75 FT Factory Lead Time: 18 Weeks		75(H1)	\$5,318.09	ea	\$21,272.36
		DF DCOI FAL CLH1 80 FT Factory Lead Time: 18 Weeks		80(H1)	\$5,870.21	ea	\$11,740.42
		DF DCOI FAL CLH2 80 FT Factory Lead Time: 18 Weeks		80(H2)	\$6,769.15	ea	\$6,769.15
		DGR, 65.0' AGH, SSSP-11 Factory Lead Time: 46 Weeks		SSSP-11	\$33,489.36	ea	\$33,489.36
	1	DGR, 65.0' AGH, SSSP-11 - ANCHOR BOLTS Factory Lead Time: 20 Weeks		SSSP-11 BOLTS	\$10,028.72	ea	\$10,028.72
	1	DGR, 65.0' AGH, SSSP-12 Factory Lead Time: 46 Weeks		SSSP-12	\$33,489.36	ea	\$33,489.36
	1	DGR, 65.0' AGH, SSSP-12 - ANCHOR BOLTS Factory Lead Time: 20 Weeks		SSSP-12 BOLTS	\$10,028.72	ea	\$10,028.72
	1	DGR, 70.0' AGH, SSSP-23 Factory Lead Time: 46 Weeks		SSSP-23	\$35,162.77	ea	\$35,162.77
	1	DGR, 70.0' AGH, SSSP-23 - ANCHOR BOLTS Factory Lead Time: 20 Weeks		SSSP-23 BOLTS	\$9,855.32	ea	\$9,855.32
	1	PELR-H9-82C150 Factory Lead Time: 22 Weeks		LWP-1	\$22,136.17	ea	\$22,136.17
	1	PELR-H7-73NC130 Factory Lead Time: 22 Weeks		LWP-2	\$16,330.85	ea	\$16,330.85
	1	PELR-H12-79C190 Factory Lead Time: 22 Weeks		LWP-3	\$24,118.09	ea	\$24,118.09
	1	PELR-H3-82.5 Factory Lead Time: 22 Weeks		LWP-6	\$15,401.06	ea	\$15,401.06
	1	PELR-H10-88C180 Factory Lead Time: 22 Weeks		LWP-7	\$25,224.47	ea	\$25,224.47
	1	PELR-H10-88C180 Factory Lead Time: 22 Weeks		LWP-8	\$25,224.47	ea	\$25,224.47
	1	PELR-H17-86.5C210 Factory Lead Time: 22 Weeks		LWP-26	\$31,629.79	ea	\$31,629.79
	1	PELR-H20-88C225 Factory Lead Time: 22 Weeks		LWP-28	\$35,642.55	ea	\$35,642.55
	1	PELR-H10-83C175 Factory Lead Time: 22 Weeks		LWP-30	\$23,954.26	ea	\$23,954.26
	1	PELR-H19-84C210 Factory Lead Time: 22 Weeks		LWP-31	\$32,530.85	ea	\$32,530.85

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Item#	Qty	Description	Manufacturer	Part No	Unit Price	UOM	Ext. Price
2		SW-3I 69KV VET 3W SW W/INTERRUPTERS LWP			\$47,650.12	ea	\$95,300.24
		(9) S025030-S2010 QSL SUSP SL 25K Y/B 52-5 Factory Lead Time: 50 weeks	HUBBELL POWER SYSTEMS	S025030S2010	\$169.01	1	\$1,521.09
		(9) SA07 SOCKET EYE Factory Lead Time: 3 weeks	HUBBELL POWER SYSTEMS	SA07	\$28.34	1	\$255.06
		(9) SD86N AL DE STRAIN CLAMP Factory Lead Time: 32 weeks	HUBBELL POWER SYSTEMS	SD86N	\$104.75	1	\$942.75
		(9) ACF40B COMP TERM ALUM 4/0 ACSR TO 2HP Factory Lead Time: 24 weeks	HUBBELL POWER SYSTEMS	ACF40B	\$43.80	1	\$394.20
		(4) SDT286N CLAMP DEADEND 1/0-T2 KCMIL ACSR Factory Lead Time: 32 weeks	HUBBELL POWER SYSTEMS	SDT286N	\$102.43	1	\$409.72
		(3) YCS0590 Y-CLEVIS EYE Factory Lead Time: 42 weeks	HUBBELL POWER SYSTEMS	YCS0590	\$53.54	1	\$160.62
		(2) J929 4-IN GUY CLAMP Factory Lead Time: 4 weeks	MACLEAN POWER SYSTEMS	J929	\$13.14	ea	\$26.28
		(9) 60000 LBS Dead End Tee Factory Lead Time: 8 weeks	HUGHES BROTHERS	281713	\$37.79	1	\$340.11
		(2) 681912 3/4 SQUARE WASHER Factory Lead Time: 4 weeks	HUBBELL POWER SYSTEMS	681912	\$12.72	ea	\$25.44
		(10) C2050187 DBL COIL SPRING WASHER 3/4 Factory Lead Time: 6 weeks	HUBBELL POWER SYSTEMS	C2050187	\$1.03	1	\$10.30
		(7) 3/4 in. Ground Wire Bonding Clip Factory Lead Time: 8 weeks	HUGHES BROTHERS	27277	\$1.56	1	\$10.92
		(10) 3/4 in. MF Curved Lock Nut Factory Lead Time: 3 weeks	HUBBELL POWER SYSTEMS	3513	\$1.15	1	\$11.50
		(10) 3/4 X 18 in. Square Head Machine Bolt Factory Lead Time: 3 weeks	HUBBELL POWER SYSTEMS	8918	\$9.49	1	\$94.90
		(7) 55085P NUT SQ REG 3/4-10IN Factory Lead Time: 3 weeks	HUBBELL POWER SYSTEMS	55085P	\$1.15	1	\$8.05
		1200A 3GL0691235N 69 kV 3-Way Switch Assembly Factory Lead Time: 8-12 Weeks	SEECO	SW-3I	\$43,398.51	ea	\$43,398.51
		MS60N IRON SUSPENSION CLMP Factory Lead Time: 42 weeks	HUBBELL POWER SYSTEMS	MS60N	\$32.06	1	\$32.06
		3/8 in. 7W Galvanized Steel Armor Rod Factory Lead Time: 26 weeks	PREFORMED LINE PRODUCTS- UTILI	AR1130	\$8.61	1	\$8.61
6		TM-1 Single Phase, Deadend Assembly			\$302.10	ea	\$1,812.60
		S025030-S2010 QSL SUSP SL 25K Y/B 52-5 Factory Lead Time: 50 weeks	HUBBELL POWER SYSTEMS	S025030S2010	\$169.01	1	\$169.01
		SA07 SOCKET EYE Factory Lead Time: 3 weeks	HUBBELL POWER SYSTEMS	SA07	\$28.34	1	\$28.34
		SD86N AL DE STRAIN CLAMP Factory Lead Time: 32 weeks	HUBBELL POWER SYSTEMS	SD86N	\$104.75	1	\$104.75
9		TM-2 Single Static, Deadend Assembly			\$135.54	ea	\$1,219.86
		YCS0590 Y-CLEVIS EYE Factory Lead Time: 42 weeks	HUBBELL POWER SYSTEMS	YCS0590	\$53.55	1	\$53.55
		SWDE55N DE STRAIN CLAMP Factory Lead Time: 32 weeks	HUBBELL POWER SYSTEMS	SWDE55N	\$81.99	1	\$81.99
15		TP-69 69 kV Tangent, Horizontal Line Post, 3Ø			\$2,503.20	ea	\$37,548.00
		(3) P25003150020 QSL 69KV HORIZ LP INSUL. GAIN BASE. TWO HOLE BLADE END FITTING Factory Lead Time: 50 weeks	HUBBELL POWER SYSTEMS	P25003150020	\$452.16	1	\$1,356.48
		(3) YCS0590 Y-CLEVIS EYE Factory Lead Time: 42 weeks	HUBBELL POWER SYSTEMS	YCS0590	\$53.55	1	\$160.65
		(3) 4/0 AWG 6/1 Str. Armor Grip Suspension Factory Lead Time: 26 weeks	PREFORMED LINE PRODUCTS- UTILI	AGS5104	\$228.88	1	\$586.64
		2859.1-14 SHIELD WIRE SUPPORT 5/8INX14 Factory Lead Time: 8 weeks	HUGHES BROTHERS	2859114	\$50.52	1	\$50.52
		MS60N IRON SUSPENSION CLMP Factory Lead Time: 42 weeks	HUBBELL POWER SYSTEMS	MS60N	\$32.06	1	\$32.06
		3/8 in. 7W Galvanized Steel Armor Rod Factory Lead Time: 26 weeks	PREFORMED LINE PRODUCTS- UTILI	AR1130	\$8.61	1	\$8.61
		WT24000182 Factory Lead Time: 20 weeks	GEOTEK	B-11-216-2	\$72.40	ea	\$72.40
		(6) 681912 3/4 SQUARE WASHER Factory Lead Time: 4 weeks	HUBBELL POWER SYSTEMS	681912	\$12.72	ea	\$76.32
		(6) C2050187 DBL COIL SPRING WASHER 3/4 Factory Lead Time: 6 weeks	HUBBELL POWER SYSTEMS	C2050187	\$1.03	1	\$6.18
		(2) 5/8 in. Double Coil Spring Lock Washer Factory Lead Time: 6 weeks	HUBBELL POWER SYSTEMS	C2050186	\$0.80	1	\$1.60
		5/8 in. Galvanized Steel Square Nut Factory Lead Time: 3 weeks	HUBBELL POWER SYSTEMS	55084P	\$0.59	1	\$0.59
		(2) 8916 3/4X16 MACH BOLT Factory Lead Time: 3 weeks	HUBBELL POWER SYSTEMS	8916	\$5.45	1	\$10.90

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Item#	Qty	Description	Manufacturer	Part No	Unit Price	UOM	Ext. Price
		(2) 3/4 X 18 in. Square Head Machine Bolt Factory Lead Time: 3 weeks	HUBBELL POWER SYSTEMS	8918	\$7.03	1	\$14.06
		(2) 3/4 X 20 in. Square Head Machine Bolt Factory Lead Time: 3 weeks	HUBBELL POWER SYSTEMS	8920	\$8.51	1	\$17.02
		(6) 3/4 in. MF Curved Lock Nut Factory Lead Time: 3 weeks	HUBBELL POWER SYSTEMS	3513	\$1.15	1	\$6.90
		5/8 in. Ground Wire Bonding Clip Factory Lead Time: 8 weeks	HUGHES BROTHERS	27276	\$1.27	1	\$1.27
		C2050220 3-IN ROLL PT STPL Factory Lead Time: 5 weeks	HUBBELL POWER SYSTEMS	C2050220	\$1.00	1	\$1.00
4		TP-69B 69 kV Tangent, Stacked, Horizontal Line Post,			\$2,503.20	ea	\$10,012.80
		(3) P250031S0020 QSL 69KV HORZ LP INSUL. GAIN BASE, TWO HOLE BLADE END FITTING Factory Lead Time: 50 weeks	HUBBELL POWER SYSTEMS	P250031S0020	\$452.16	1	\$1,356.48
		(3) YCS0590 Y-CLEVIS EYE Factory Lead Time: 42 weeks	HUBBELL POWER SYSTEMS	YCS0590	\$53.55	1	\$160.65
		(3) 4/0 AWG 6/1 Str. Armor Grip Suspension Factory Lead Time: 26 weeks	PREFORMED LINE PRODUCTS- UTILI	AGS5104	\$228.88	1	\$686.64
		2659, 1-14 SHIELD WIRE SUPPORT 5/8INX14 Factory Lead Time: 8 weeks	HUGHES BROTHERS	2659114	\$50.52	1	\$50.52
		MS60N IRON SUSPENSION CLMP Factory Lead Time: 42 weeks	HUBBELL POWER SYSTEMS	MS60N	\$32.06	1	\$32.06
		3/8 in. 7W Galvanized Steel Armor Rod Factory Lead Time: 26 weeks	PREFORMED LINE PRODUCTS- UTILI	AR1130	\$8.61	1	\$8.61
		WT240001B2 Factory Lead Time: 20 weeks	GEOTEK	B-11-220-2	\$72.40	ea	\$72.40
		(6) 681912 3/4 SQUARE WASHER Factory Lead Time: 4 weeks	HUBBELL POWER SYSTEMS	681912	\$12.72	ea	\$76.32
		(6) C2050187 DBL COIL SPRING WASHER 3/4 Factory Lead Time: 6 weeks	HUBBELL POWER SYSTEMS	C2050187	\$1.03	1	\$6.18
		(2) C2050186 5/8 DOUBLE COIL SPRING WASHER Factory Lead Time: 6 weeks	HUBBELL POWER SYSTEMS	C2050186	\$0.80	1	\$1.60
		55084P NUT SQ REG 5/8-11IN Factory Lead Time: 3 weeks	HUBBELL POWER SYSTEMS	55084P	\$0.59	1	\$0.59
		(2) 8916 3/4X16 MACH BOLT Factory Lead Time: 3 weeks	HUBBELL POWER SYSTEMS	8916	\$5.45	1	\$10.90
		(2) 3/4 X 18 in. Square Head Machine Bolt Factory Lead Time: 3 weeks	HUBBELL POWER SYSTEMS	8918	\$7.03	1	\$14.06
		(2) 3/4 X 20 in. Square Head Machine Bolt Factory Lead Time: 3 weeks	HUBBELL POWER SYSTEMS	8920	\$8.51	1	\$17.02
		(6) 3513 3/4-10IN CURVE LOCK NUT Factory Lead Time: 3 weeks	HUBBELL POWER SYSTEMS	3513	\$1.15	1	\$6.90
		5/8 in. Ground Wire Bonding Clip Factory Lead Time: 8 weeks	HUGHES BROTHERS	27276	\$1.27	1	\$1.27
		C2050220 3-IN ROLL PT STPL Factory Lead Time: 5 weeks	HUBBELL POWER SYSTEMS	C2050220	\$1.00	1	\$1.00
2		TS-4L 69 kV Vertical, Medium Angle, Lam Pole			\$1,652.23	ea	\$3,304.46
		(3) S025030-S2010 QSL SUSP SL 25K Y/B 52-5 Factory Lead Time: 50 weeks	HUBBELL POWER SYSTEMS	S025030S2010	\$169.01	1	\$507.03
		(3) SA07 SOCKET EYE Factory Lead Time: 3 weeks	HUBBELL POWER SYSTEMS	SA07	\$28.34	1	\$85.02
		YCS0590 Y-CLEVIS EYE Factory Lead Time: 42 weeks	HUBBELL POWER SYSTEMS	YCS0590	\$53.55	1	\$53.55
		MS60N IRON SUSPENSION CLMP Factory Lead Time: 42 weeks	HUBBELL POWER SYSTEMS	MS60N	\$32.06	1	\$32.06
		(3) 4/0 AWG 6/1 Str. Armor Grip Suspension Factory Lead Time: 26 weeks	PREFORMED LINE PRODUCTS- UTILI	AGS5104	\$228.88	1	\$686.64
		(4) 2817-13 FORGED DEAD END TEE 13/16IN MH Factory Lead Time: 8 weeks	HUGHES BROTHERS	281713	\$37.79	1	\$151.16
		(8) 3/4 in. Square Flat Washer Factory Lead Time: 4 weeks	HUBBELL POWER SYSTEMS	681812	\$5.66	1	\$45.28
		(8) C2050187 DBL COIL SPRING WASHER 3/4 Factory Lead Time: 6 weeks	HUBBELL POWER SYSTEMS	C2050187	\$1.03	1	\$8.24
		(4) 3/4 in. Ground Wire Bonding Clip Factory Lead Time: 8 weeks	HUGHES BROTHERS	27277	\$1.56	1	\$6.24
		(8) 3513 3/4-10IN CURVE LOCK NUT Factory Lead Time: 3 weeks	HUBBELL POWER SYSTEMS	3513	\$1.15	1	\$9.20
		(2) 8916 3/4X16 MACH BOLT Factory Lead Time: 3 weeks	HUBBELL POWER SYSTEMS	8916	\$5.45	1	\$10.90
		(2) 3/4 X 18 in. Square Head Machine Bolt Factory Lead Time: 3 weeks	HUBBELL POWER SYSTEMS	8918	\$7.03	1	\$14.06
		(2) 8920 3/4X20 MACH BOLT Factory Lead Time: 3 weeks	HUBBELL POWER SYSTEMS	8920	\$8.51	1	\$17.02
		(2) 5/8 X 22 in. Square Head Machine Bolt Factory Lead Time: 3 weeks	HUBBELL POWER SYSTEMS	8822	\$6.31	1	\$12.62

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Item#	Qty	Description	Manufacturer	Part No	Unit Price	UOM	Ext. Price
		(4) 55085P NUT SQ REG 3/4-10IN Factory Lead Time: 3 weeks	HUBBELL POWER SYSTEMS	55085P	\$1.15	1	\$4.60
		3/8 in. 7W Galvanized Steel Armor Rod Factory Lead Time: 26 weeks	PREFORMED LINE PRODUCTS- UTILI	AR1130	\$8.61	1	\$8.61
5		TS-5GL 69 kV Vertical, Deadend, Lam Pole			\$2,693.65	ea	\$13,468.25
		(6) S025030-S2010 OSIL SUSP SL 25K Y/B 52-5 Factory Lead Time: 50 weeks	HUBBELL POWER SYSTEMS	S025030S2010	\$169.01	1	\$1,014.06
		(6) SA07 SOCKET EYE Factory Lead Time: 3 weeks	HUBBELL POWER SYSTEMS	SA07	\$28.34	1	\$170.04
		(6) SD86N AL DE STRAIN CLAMP Factory Lead Time: 32 weeks	HUBBELL POWER SYSTEMS	SD86N	\$104.75	1	\$628.50
		(3) YCS28R 4/0ACSR AL SPLICE Factory Lead Time: 3 weeks	BURNDY	YCS28R	\$4.13	ea	\$12.39
		(2) YCS0590 Y-CLEVIS EYE Factory Lead Time: 42 weeks	HUBBELL POWER SYSTEMS	YCS0590	\$53.55	1	\$107.10
		(2) SWDE55N DE STRAIN CLAMP Factory Lead Time: 32 weeks	HUBBELL POWER SYSTEMS	SWDE55N	\$81.99	1	\$163.98
		J929 4-IN GUY CLAMP Factory Lead Time: 4 weeks	MACLEAN POWER SYSTEMS	J929	\$13.14	ea	\$13.14
		(8) 60000 LBS Dead End Tee Factory Lead Time: 8 weeks	HUGHES BROTHERS	281713	\$37.79	1	\$302.32
		(16) 6819 7/8 SQUARE WASHER Factory Lead Time: 3 weeks	HUBBELL POWER SYSTEMS	6819	\$4.74	1	\$75.84
		(16) C2050187 DBL COIL SPRING WASHER 3/4 Factory Lead Time: 3 weeks	HUBBELL POWER SYSTEMS	C2050187	\$1.03	1	\$16.48
		(8) 3/4 in. Ground Wire Bonding Clip Factory Lead Time: 6 weeks	HUGHES BROTHERS	27277	\$1.56	1	\$12.48
		(16) 3513 3/4-10IN CURVE LOCK NUT Factory Lead Time: 3 weeks	HUBBELL POWER SYSTEMS	3513	\$1.15	1	\$18.40
		(4) 8918 3/4X18 MACH BOLT Factory Lead Time: 3 weeks	HUBBELL POWER SYSTEMS	8918	\$9.49	1	\$37.96
		(4) 3/4 X 20 in. Square Head Machine Bolt Factory Lead Time: 3 weeks	HUBBELL POWER SYSTEMS	8920	\$8.51	1	\$34.04
		(4) 3/4 X 22 in. Square Head Machine Bolt Factory Lead Time: 3 weeks	HUBBELL POWER SYSTEMS	8922	\$8.69	1	\$34.76
		(4) 3/4 X 24 in. Square Head Machine Bolt Factory Lead Time: 3 weeks	HUBBELL POWER SYSTEMS	8924	\$10.74	1	\$42.96
		(8) 55085P NUT SQ REG 3/4-10IN Factory Lead Time: 3 weeks	HUBBELL POWER SYSTEMS	55085P	\$1.15	1	\$9.20
3		TS-5GS 69 kV Vertical, Deadend, Steel Pole			\$2,127.84	ea	\$6,383.52
		(6) S025030-S2010 OSIL SUSP SL 25K Y/B 52-5 Factory Lead Time: 50 weeks	HUBBELL POWER SYSTEMS	S025030S2010	\$169.01	1	\$1,014.06
		(6) SA07 SOCKET EYE Factory Lead Time: 3 weeks	HUBBELL POWER SYSTEMS	SA07	\$28.34	1	\$170.04
		(6) SD86N AL DE STRAIN CLAMP Factory Lead Time: 32 weeks	HUBBELL POWER SYSTEMS	SD86N	\$104.75	1	\$628.50
		(6) YCS28R 4/0ACSR AL SPLICE Factory Lead Time: 3 weeks	BURNDY	YCS28R	\$4.13	ea	\$24.78
		(2) YCS0590 Y-CLEVIS EYE Factory Lead Time: 42 weeks	HUBBELL POWER SYSTEMS	YCS0590	\$53.55	1	\$107.10
		(2) SWDE55N DE STRAIN CLAMP Factory Lead Time: 32 weeks	HUBBELL POWER SYSTEMS	SWDE55N	\$81.99	1	\$163.98
		J929 4-IN GUY CLAMP Factory Lead Time: 4 weeks	MACLEAN POWER SYSTEMS	J929	\$13.14	ea	\$13.14
		BVC-207FT BRONZE VISE CONN Factory Lead Time: 32 weeks	MACLEAN POWER SYSTEMS	BVC207FT	\$6.24	1	\$6.24
24,320		Phase Conductor, 4/0 ACSR, Penguin (Mft.) Factory Lead Time: 12 weeks	SOUTHWIRE	4/0 ACSR, Penguin	\$1,431.34	ea	\$34,810.19
7,962		OHGW Conductor, 3/8", 7 Str, Extra High-strength Steel (Mft.) Factory Lead Time: 3 weeks	NATIONAL STRAND	3/8" Class "A" EHS	\$944.44	ea	\$7,519.63
20		D5 Screw Anchor, Double Helix			\$415.41	ea	\$8,308.20
		D6604-US GUY ATTACH DOUBLE Factory Lead Time: 10 weeks	MACLEAN POWER SYSTEMS	D6604US	\$60.47	1	\$60.47
		D6634 ANCHOR SCREW GALVANIZED Factory Lead Time: 31 weeks	MACLEAN POWER SYSTEMS	D6634	\$354.94	1	\$354.94
24		E3-3 Insulated Down Guy, 3/8" EHS, Single			\$153.01	ea	\$3,672.24
		(4) 3/8 in. Deadend Cable Grip Factory Lead Time: 26 weeks	PREFORMED LINE PRODUCTS- UTILI	GDE1107	\$3.97	1	\$15.88
		CT-88-H THIMBLE CLEVIS Factory Lead Time: 12 weeks	MACLEAN POWER SYSTEMS	CT88H	\$18.08	1	\$18.08
		GS21036CC2 GUY STRAIN INSULATOR 2 CLEVIS Factory Lead Time: 24 weeks	HUBBELL POWER SYSTEMS	GS21036CC2	\$45.92	ea	\$45.92

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Item#	Qty	Description	Manufacturer	Part No	Unit Price	UOM	Ext. Price
		60000 LBS Dead End Tee Factory Lead Time: 8 weeks	HUGHES BROTHERS	281713	\$37.79	1	\$37.79
		8ft, Yellow Guy Guard W/O Attachment Factory Lead Time: 3 weeks	ELECTRICAL MATERIALS	707YWOC	\$4.44	1	\$4.44
		(2) 8918 3/4X18 MACH BOLT Factory Lead Time: 3 weeks	HUBBELL POWER SYSTEMS	8918	\$9.49	1	\$18.98
		(2) DF4W15 4X3/16 CURVED WASH 3/4 BOLT DIA Factory Lead Time: 3 weeks	HUBBELL POWER SYSTEMS	DF4W15	\$3.78	1	\$7.56
		(2) C2050187 DBL COIL SPRING WASHER 3/4 Factory Lead Time: 5 weeks	HUBBELL POWER SYSTEMS	C2050187	\$1.03	1	\$2.06
		(2) 3513 3/4-10IN CURVE LOCK NUT Factory Lead Time: 3 weeks	HUBBELL POWER SYSTEMS	3513	\$1.15	1	\$2.30
60	E5	5' Anchor Extension			\$91.05	ea	\$5,463.00
		D-6620-U EXTENSION SHAFT ANCHOR Factory Lead Time: 23 weeks	MACLEAN POWER SYSTEMS	D6620U	\$91.05	1	\$91.05
4	TG-4	Overhead Guy, 3/8" EHS, Single			\$263.25	ea	\$1,053.00
		(100) Wire, 3/8" Extra High Strength Steel, Class B Factory Lead Time: 3 weeks	GUYSTRAND	3/8 EHS SHLD CLS	\$1,111.11	ea	\$111.11
		(2) 3/8 in. Deadend Cable Grip Factory Lead Time: 26 weeks	PREFORMED LINE PRODUCTS- UTILI	GDE1107	\$3.97	1	\$7.94
		(2) CT-88-H THIMBLE CLEVIS Factory Lead Time: 12 weeks	MACLEAN POWER SYSTEMS	CT88H	\$18.08	1	\$36.16
		(2) 60000 LBS Dead End Tee Factory Lead Time: 8 weeks	HUGHES BROTHERS	281713	\$37.79	1	\$75.58
		(2) 8918 3/4X18 MACH BOLT Factory Lead Time: 3 weeks	HUBBELL POWER SYSTEMS	8918	\$9.49	1	\$18.98
		(2) DF4W15 4X3/16 CURVED WASH 3/4 BOLT DIA Factory Lead Time: 3 weeks	HUBBELL POWER SYSTEMS	DF4W15	\$3.78	1	\$7.56
		(2) C2050187 DBL COIL SPRING WASHER 3/4 Factory Lead Time: 5 weeks	HUBBELL POWER SYSTEMS	C2050187	\$1.03	1	\$2.06
		3/4 in. Ground Wire Bonding Clip Factory Lead Time: 8 weeks	HUGHES BROTHERS	27277	\$1.56	1	\$1.56
		(2) 3513 3/4-10IN CURVE LOCK NUT Factory Lead Time: 3 weeks	HUBBELL POWER SYSTEMS	3513	\$1.15	1	\$2.30
6	GP-1	Personnel Ground Platform, T-Line Switch			\$1,412.34	ea	\$8,474.04
		GROUND PLATFORM Factory Lead Time: 6 weeks	PETERSON COMPANY	GROUND	\$1,192.00	ea	\$1,192.00
		(2) 5/8X10FT CU-13 mil REA GROUND ROD Factory Lead Time: 3 weeks	GROUND RODS- GENERIC	615803	\$30.68	1	\$61.36
		(2) CP58 5/8 GROUND ROD CLAMP Factory Lead Time: 3 weeks	ERICO	CP58	\$3.00	1	\$6.00
		(15) BARE-SD-2-7STR-CU-1000R Factory Lead Time: 3 weeks	BARE COPPER - GENERIC	BARES027STRCU1000R	\$2,277.08	1000	\$34.16
		OPGW BRAID 24' Factory Lead Time: 6 weeks	HUBBELL POWER SYSTEMS	EM241630-24.5	\$29.32	1	\$29.32
		GC10906 BRZ GRD CLAMP 2IN TO BRAID E Factory Lead Time: 15 weeks	HUBBELL POWER SYSTEMS	GC10906	\$42.94	1	\$42.94
		(2) 2Sol-2 AWG C-Tap Compression Connector Factory Lead Time: 3 weeks	BURNDY	YC2C2	\$2.01	1	\$4.02
		(3) GC14001 BRZE GD CLAMP 4-2/0 Factory Lead Time: 24 weeks	HUBBELL POWER SYSTEMS	GC14001	\$14.18	1	\$42.54
3	SPG	Steel Pole Ground			\$61.60	ea	\$184.80
		5/8X10FT CU-13 mil REA GROUND ROD Factory Lead Time: 3 weeks	GROUND RODS- GENERIC	615803	\$30.68	1	\$30.68
		CP58 5/8 GROUND ROD CLAMP Factory Lead Time: 3 weeks	ERICO	CP58	\$3.00	1	\$3.00
		(15) BARE-SD-4-7STR-CU-1000R Factory Lead Time: 3 weeks	BARE COPPER - GENERIC	BARES047STRCU1000R	\$1,445.36	1000	\$21.68
		BVC-207FT BRONZE VISE CONN Factory Lead Time: 32 weeks	MACLEAN POWER SYSTEMS	BVC207FT	\$6.24	1	\$6.24
28	WPG	Wood Pole Ground			\$178.90	ea	\$5,009.20
		5/8X10FT CU-13 mil REA GROUND ROD Factory Lead Time: 3 weeks	GROUND RODS- GENERIC	615803	\$30.68	1	\$30.68
		CP58 5/8 GROUND ROD CLAMP Factory Lead Time: 3 weeks	ERICO	CP58	\$3.00	1	\$3.00
		(100) BARE-SD-4-7STR-CU-1000R Factory Lead Time: 3 weeks	BARE COPPER - GENERIC	BARES047STRCU1000R	\$1,445.36	1000	\$144.54
		9154 2-IN ROLLED PT STAPLE Factory Lead Time: 12 weeks	HUBBELL POWER SYSTEMS	9154	\$0.68	1	\$0.68

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Item#	Qty	Description	Manufacturer	Part No	Unit Price	UOM	Ext. Price
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Alternates Cast Iron Poles Addendum 2

\$155,002.57

1		Ductile Iron Pole, Length 55', Class 1 (ea.)		55(1)	\$3,408.26	ea	\$3,408.26
7		Ductile Iron Pole, Length 65', Class 1 (ea.)		65(1)	\$3,908.26	ea	\$27,357.82
4		Ductile Iron Pole, Length 70', Class 1 (ea.)		70(1)	\$4,430.60	ea	\$17,722.40
4		Ductile Iron Pole, Length 75', Class H1 (ea.)		75(H1)	\$5,238.04	ea	\$20,952.16
2		Ductile Iron Pole, Length 80', Class H1 (ea.)		80(H1)	\$5,636.98	ea	\$11,273.96
1		Ductile Iron Pole, Length 80', Class H2 (ea.)		80(H2)	\$6,344.43	ea	\$6,344.43
1		Freight for Ductile Iron Poles			\$21,241.11	ea	\$21,241.11
28		DIPG			\$62.60	ea	\$1,752.80
		5/8X10FT CU-13 ml REA GROUND ROD Factory Lead Time: 3 weeks	GROUND RODS- GENERIC	615803	\$30.68	1	\$30.68
		CP34 3/4 GROUND ROD CLAMP Factory Lead Time: 3 weeks	ERICO	CP34	\$4.00	1	\$4.00
		(15) BARE-SD-4-75TR-CU-1000R Factory Lead Time: 3 weeks	BARE COPPER - GENERIC	BARES0475TRCU1000R	\$1,445.36	1000	\$21.68
		BVC-207FT BRONZE VISE CONN Factory Lead Time: 3 weeks	MACLEAN POWER SYSTEMS	BVC207FT	\$6.24	1	\$6.24
4		TP-69B-DI 69 kV Tangent, Stacked, Horizontal Line Post,			\$2,365.77	ea	\$9,463.08
		(3) P250031S0020 QSL 69KV HORIZ LP INSUL. GAIN BASE, TWO HOLE BLADE END FITTING Factory Lead Time: 50 weeks	HUBBELL POWER SYSTEMS	P250031S0020	\$452.16	1	\$1,356.48
		(3) YCS0590 Y-CLEVIS EYE Factory Lead Time: 42 weeks	HUBBELL POWER SYSTEMS	YCS0590	\$53.55	1	\$160.65
		(3) 4/0 AWG 6/1 Str. Armor Grip Suspension Factory Lead Time: 26 weeks	PREFORMED LINE PRODUCTS- UTILI	AGS5104	\$228.88	1	\$686.64
		2859.1-14 SHIELD WIRE SUPPORT 5/8INX14 Factory Lead Time: 8 weeks	HUGHES BROTHERS	2859114	\$54.03	1	\$54.03
		MS60N IRON SUSPENSION CLMP Factory Lead Time: 42 weeks	HUBBELL POWER SYSTEMS	MS60N	\$32.06	1	\$32.06
		3/8 in. 7W Galvanized Steel Armor Rod Factory Lead Time: 26 weeks	PREFORMED LINE PRODUCTS- UTILI	AR1130	\$8.61	1	\$8.61
		(6) 3/4 in. Square Curved Washer Factory Lead Time: 3 weeks	HUBBELL POWER SYSTEMS	DF4W15	\$3.07	1	\$18.42
		(2) 8916 3/4X16 MACH BOLT Factory Lead Time: 3 weeks	HUBBELL POWER SYSTEMS	8916	\$5.45	1	\$10.90
		(2) 3/4 X 18 in. Square Head Machine Bolt Factory Lead Time: 3 weeks	HUBBELL POWER SYSTEMS	8918	\$7.03	1	\$14.06
		(2) 3/4 X 20 in. Square Head Machine Bolt Factory Lead Time: 3 weeks	HUBBELL POWER SYSTEMS	8920	\$8.51	1	\$17.02
		(6) 3513 3/4-10IN CURVE LOCK NUT Factory Lead Time: 3 weeks	HUBBELL POWER SYSTEMS	3513	\$1.15	1	\$6.90
15		TP-69-DI 69 kV Tangent, Horizontal Line Post, 3Ø			\$2,365.77	ea	\$35,486.55
		(3) P250031S0020 QSL 69KV HORIZ LP INSUL. GAIN BASE, TWO HOLE BLADE END FITTING Factory Lead Time: 50 weeks	HUBBELL POWER SYSTEMS	P250031S0020	\$452.16	1	\$1,356.48
		(3) YCS0590 Y-CLEVIS EYE Factory Lead Time: 42 weeks	HUBBELL POWER SYSTEMS	YCS0590	\$53.55	1	\$160.65
		(3) 4/0 AWG 6/1 Str. Armor Grip Suspension Factory Lead Time: 26 weeks	PREFORMED LINE PRODUCTS- UTILI	AGS5104	\$228.88	1	\$686.64
		2859.1-14 SHIELD WIRE SUPPORT 5/8INX14 Factory Lead Time: 8 weeks	HUGHES BROTHERS	2859114	\$54.03	1	\$54.03
		MS60N IRON SUSPENSION CLMP Factory Lead Time: 42 weeks	HUBBELL POWER SYSTEMS	MS60N	\$32.06	1	\$32.06
		3/8 in. 7W Galvanized Steel Armor Rod Factory Lead Time: 26 weeks	PREFORMED LINE PRODUCTS- UTILI	AR1130	\$8.61	1	\$8.61
		(6) 3/4 in. Square Curved Washer Factory Lead Time: 3 weeks	HUBBELL POWER SYSTEMS	DF4W15	\$3.07	1	\$18.42
		(2) 8916 3/4X16 MACH BOLT Factory Lead Time: 3 weeks	HUBBELL POWER SYSTEMS	8916	\$5.45	1	\$10.90
		(2) 3/4 X 18 in. Square Head Machine Bolt Factory Lead Time: 3 weeks	HUBBELL POWER SYSTEMS	8918	\$7.03	1	\$14.06
		(2) 3/4 X 20 in. Square Head Machine Bolt Factory Lead Time: 3 weeks	HUBBELL POWER SYSTEMS	8920	\$8.51	1	\$17.02
		(6) 3/4 in. MF Curved Lock Nut Factory Lead Time: 3 weeks	HUBBELL POWER SYSTEMS	3513	\$1.15	1	\$6.90

Total: \$866,314.74

Please contact me if I can be of further assistance.

Please Note:

- 1) Unless otherwise stated in this proposal material pricing is based upon receipt of a single order, for single release, for all items as quoted.
- 2) Freight terms noted in header of proposal are FOB Origin unless noted. Requests for separate or early shipment items may require the addition of freight charges.
- 3) Any requests for delayed shipments may be subject to storage and special handling fees.
- 4) Any applicable taxes are not included in this estimate and must be accounted for by the customer.
- 5) Terms: Net 25 days prox.
- 6) All items subject to engineer's approval. Item changes in material catalog numbers or material quantity after ordering may be subject to price and lead time revision and/or cancellation charges.
- 7) All returns are subject to written authorization by BSE and only for normally stocked items. Any returned material must be in new, saleable condition and packaged in the original carton, and in a reasonable quantity. Restock charges may apply. Non-stock items will be returned to the factory, if allowed, and will be assessed any restocking fees and freight charges. Special order/custom material is not returnable or cancellable.
- 8) Contractor is responsible to verify quantities required. Quantities are shown for bidding purposes only and are not guaranteed.
- 9) Wire, cable, PVC and metallic conduit and fittings prices are subject to adjustment based upon fluctuations in the price of raw material and will be invoiced according. Copper, steel and aluminum cable price escalations are based on metals base at time of shipment unless otherwise stated in the proposal. Wire and cable quantities subject to +/- 10% shipping tolerances unless otherwise stated. Steel reel deposits may be charged when applicable.
- 10) Materials such as ACSR, URD wire, conduit and staples will be shipped in standard package quantities only. Prices bid are per bid request and may not account for standard packages. If custom lengths of cable are required, specify at the time of order. Otherwise lengths may be assumed.
- 11) Catalog numbers provided for any bus insulators, bus connectors, or ground connectors are for reference only and actual vendor supplied may vary based on lead time or price available at time of order.
- 12) Leadtimes proposed are estimates and based on current manufacturing production. Quoted lead times may be subject to change without notice.
- 13) All orders subject to BSE Standard Terms and Conditions. A copy is available for review at www.borderstates.com.

All clerical errors contained herein are subject to correction. In the event of any cost or price increases from manufacturers or other suppliers, caused by, but not limited to, currency fluctuations, raw material or labor prices, fuel or transportation cost increase, and any import tariffs, taxes, fees or surcharges, BSE reserves the exclusive right to change its pricing at the time of shipping and will provide notice of any such change to its customer prior to costs being incurred.

Thank you for the opportunity to bid on your project requirements!

JANUARY 2023

- 01/22/23 There was an outage @ 19:00, duration of the outage was 5 hours and the number of accounts was 7 out of power, the cause of outage was a burned up house service from tree related issue @ Central Ave and Court A

FEBRUARY 2023

- 02/06/23 There was an outage @ 00:30, duration of the outage was .5 hours and the number of accounts was 1270 out of power, the cause of outage was a contractor dumping snow @ The old Dakota Cat building.

MARCH 2023

- 03/01/23 There was an outage @ 08:15, duration of the outage was 1/2 hour and the number of accounts was 4 out of power, the cause of outage was a blown fuse @ 3257 115th Ave. SE

APRIL 2023

- 04/02/23 There was an outage @ 16:30, duration of the outage was 3 hours and the number of accounts was 80 out of power, the cause of outage was a flooded switch cabinet @ Wintershow Road

MAY 2023

- 05/02/23 There was an outage @ 05:05, duration of the outage was 1 hour and the number of accounts was 2 out of power, the cause of outage was a squirrel @ 11437 33 St. SE

- 05/26/23 There was an outage @ 18:00, duration of the outage was .75 hour and the number of accounts was 8 out of power, the cause of outage was high winds @ Swanke Add. East side
- 05/29/23 There was an outage @ 09:30, duration of the outage was 4 hour and the number of accounts was 15 out of power, the cause of outage was a faulted primary cable @ 1100 Blk 3rd St. SE

JUNE 2023

- 06/07/23 There was an outage @ 09:00, duration of the outage was .5 hours and the number of accounts was 1 out of power, the cause of outage was unknown @ camp Tonweya (Fish Hatchery)
- 06/08/23 There was an outage @ 19:30, duration of the outage was 3 hours and the number of accounts was 1 out of power, the cause of outage was a house service @ 120 Secarse
- 06/010/23 There was an outage @ 07:40, duration of the outage was 1 hour and the number of accounts was 30 out of power, the cause of outage was a squirrel @ 400 Blk of 8th Ave. SW
- 06/11/23 There was an outage @ 09:30, duration of the outage was 2 hours and the number of accounts was 7 out of power, the cause of outage was a bad connector due to road salts from interstate @ Crestwood Subdivision
- 06/16/23 There was an outage @ 08:00, duration of the outage was 1/2 hour and the number of accounts was 11 out of power, the cause of outage was weather @ CKT 16
- 06/19/23 There was an outage @ 08:30, duration of the outage was 1/2 hour and the number of accounts was 43 out of power, the cause of outage was a squirrel @ 8th Ave SE

JULY 2023

- 07/01/23 There was an outage @ 11:30, duration of the outage was 1 hour and the number of accounts was 1 out of power, the cause of outage was a squirrel @ 11532 33rd st. SE
- 07/08/23 There was an outage @ 09:30, duration of the outage was 1/2 hours and the number of accounts was 17 out of power, the cause of outage was a squirrel @ 4th St and the 300 Blk NW
- 07/17/23 There was an outage @ 09:15, duration of the outage was 1/2 hour and the number of accounts was 52 out of power, the cause of outage was a squirrel @ 600-1100 Blk 6th Ave NE
- 07/24/23 There was an outage @ 08:15, duration of the outage was 1/2 hour and the number of accounts was 1 out of power, the cause of outage was a squirrel @ DOT lighting transformer (rental lights no actual meter was out of power)

AUGUST 2023

- 08/08/23 There was an outage @ 17:30, duration of the outage was 1/2 hour and the number of accounts was 1 out of power, the cause of outage was a lightning strike @ 11625 River Rd.

SEPTEMBER 2023

- 09/25/23 There was an outage @ 16:10, duration of the outage was 1 hours and the number of accounts was 3 out of power, the cause of outage was an unknown @ 237 Viking Dr.
- 09/27/23 There was an outage @ 17:30, duration of the outage was 1.5 hours and the number of accounts was 40 out of power, the cause of outage was a squirrel @ 810 11th St. NW

- 09/28/23 There was an outage @ 13:30, duration of the outage was 1/2 hours and the number of accounts was 10 out of power, the cause of outage was a fallen tree @ Berea Line

OCTOBER 2023

- 10/07/23 There was an outage @ 12:00, duration of the outage was .5 hours and the number of accounts was 43 out of power, the cause of outage was a squirrel @ 600-800 blk between 4th St and Viking Dr. SW
- 10/08/23 There was an outage @ 12:00, duration of the outage was .5 hours and the number of accounts was 43 out of power, the cause of outage was a squirrel @ 600-800 blk between 4th St and Viking Dr. SW
- 10/10/23 There was an outage @ 05:10, duration of the outage was 1 hour and the number of accounts was 6 out of power, the cause of outage was a URD primary fault @ Woodland Park
- 10/12/23 There was an outage @ 15:30, duration of the outage was 1/2 hours and the number of accounts was 24 out of power, the cause of outage was a squirrel on a transformer @ 8th Ave 1100 Blk SE
- 10/22/23 There was an outage @ 15:30 , duration of the outage was 2 hours and the number of accounts was 18 out of power, the cause of outage was a squirrel @ 4th and 6th ST. SE