



**Utility Committee
Meeting Agenda
March 4, 2025
11:30 AM
Bentonville City Hall**

Call to Order

Pledge of Allegiance

Attendance

Approval of Minutes: February 18, 2025

I. New Business

1. **Ordinance for a Waiver of Bid to Purchase a 69-KV Substation Breaker for A Sub Expansion** **Ordinance***
Ordinance to purchase a 69-KV breaker for the expansion of A Sub and waiving competitive bidding for \$76,097.03. A budget adjustment is required for this purchase. This purchase will be funded by a \$600,000 payment received from AEP for their usage of a City easement to construct a new transmission line. A budget adjustment is needed.
2. **Ordinance to Waive Competitive Bidding to Order 750 Underground Wire** **Ordinance***
Approval of an Ordinance to waive competitive bidding to purchase 750 UG Wire from Stuart Irby Unit Prices and estimated quantities attached, plus applicable taxes. Due to market volatility and lead times related to these products, it would be neither practical or feasible to solicit competitive bids. No budget adjustment is needed.
3. **Resolution Authorizing Sewer Flow Monitoring with TREKK Design Group** **Resolution**
A Resolution authorizing the Mayor and City Clerk to enter in to an agreement with TREKK Design Group in the amount of \$93,482.00. The agreement is required for the maintenance and software to monitor the sewer capacity in 9 flow monitors and 6 rain gauges throughout the city core. A budget adjustment is needed.



City of Bentonville, Arkansas Agenda Item Form

Item Details

Council Meeting Date:		Submitted By:	
Phone:		For Department(s):	
Email:			

Item Type (Check all that apply)

Informational	Bid Award	Enter into an Agreement	Change Order
Recognizing Funds	Budget Adjustment	Waiver of Bid	Emergency Clause
Ordinance	Resolution		Informational

Title, Recommendation & Justification

Title:	
Action Recommendation & Justification:	
Additional Comments for Consideration (Optional):	

Amount for Approval:	\$
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Budget Impact

Is this Item Budgeted? YES NO ITEM HAS NO COST OTHER: _____

Budget Adjustment (to be completed by Finance when applicable)

Account Number (ORG-OBJECT)	Account Description	\$	\$
		Expense	Revenue
Account Number (ORG-OBJECT)	Account Description	\$	\$
		Expense	Revenue
Account Number (ORG-OBJECT)	Account Description	\$	\$
		Expense	Revenue
Account Number (ORG-OBJECT)	Account Description	\$	\$
		Expense	Revenue

Fund(s) Impacted

(check all that apply)

General Fund

Utility Fund

Street Fund

Other(s): _____

Budget Impact Notes for Consideration (Optional):

City of Bentonville, Arkansas

City Hall

305 SW A Street Bentonville, AR 72712

www.bentonvillear.com

Please Recycle!



Administrative Services
Purchasing and Compliance Department
1000 SW 14th Street
Bentonville, AR 72712

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SERVICE CONTRACT: A Substation 69 kV Breaker

THIS CONTRACT is made in Benton County, Arkansas, by and between the City of Bentonville, Arkansas, hereinafter “City,” and GE Grid Solutions, LLC, hereinafter “Contractor” (collectively, the “Parties”), Witnesseth:

1. DESCRIPTION. This Contract has been awarded to Contractor as a result of Contractor’s Quote (attached hereto as **Exhibit B**) to the City’s Invitation for Quotes, for purchase and delivery of 69kV breaker for the A Substation expansion project, as specified in the Scope of Work (attached hereto as **Exhibit A**). The work shall consist of performing the services, including all equipment, materials, products and all other items necessary to perform the work, as set forth in this Contract and **Exhibit A**.

2. PRIMARY CONTACTS. The primary contact for the Contractor shall be _____ . The primary contact for the City shall be the City of Bentonville Electric Utilities Director, or designated assignee.

3. CONTRACT TERM. The term for this Contract shall be one (1) year, commencing on the effective date of this Contract.

a. Effective Date: The Effective Date of this Contract shall be defined as the executed date on the Signature Page of this Contract.

b. Services Timeline:

1. Order for the 69kV breaker per the unit prices attached herein, shall be placed by Contractor immediately following Purchase Order received from the City.
2. Contractor shall submit drawings for the City to approve within twelve (12) to fourteen (14) weeks from receipt of order.
3. Contractor shall deliver the 69k breaker within fifty (50) weeks from receipt of order.



c. Any changes to the Term of this Contract or to the Construction Timeline shall be agreed upon by the Parties in writing and shall be in accordance with this Contract and all applicable procurement laws and the City of Bentonville Purchasing Policy.

4. WORK PROCEDURES. All work procedures shall be in accordance with this Contract and with the Exhibits attached hereto.

a. Specifications. All work shall be performed in accordance with industry standards and best practices, and as specified in this Contract and in the Exhibits attached hereto.

b. Change Orders. Any changes to the Scope of Work shall be handled via Change Order to this Contract. No Change Order shall be approved unless approved in writing by the City. All Change Orders must be pre-approved prior to any work commencing, any materials being purchased, or any other fee being incurred related to the Change Order. The City shall not be responsible for Change Orders unless the Change Order is pre-approved in writing by the City.

1. Owner's (City's) Contingency: Not applicable

c. Unsatisfactory Results. Contractor agrees to remedy any unsatisfactory results, within the terms of this Contract.

d. General. The Contractor shall conduct their operations in such a manner that does not cause damage to property owned by the City or other individual. In the event damage occurs, Contractor shall replace or repair the damaged area(s) or item(s) at no cost to the City and as directed by the City. In the event that Contractor fails to make the necessary repairs, the City may use City staff or outside vendors to repair any damage. Any costs the City incurs for repairing damage or replacing items resulting from Contractor's operations may be deducted from monies due to Contractor.



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5. FEES, EXPENSES, AND SCHEDULE. The City agrees to pay Contractor based upon the total quote price including tax, as defined herein, for actual work performed or material stored on-site. Contractor agrees to only perform the type of services outlined in this Contract and the Exhibit attached hereto. Fees and contingencies shall be as follows:

a. Total Fee for Service: \$76,097.03 (seventy-six thousand ninety-seven dollars and three cents), plus applicable taxes to perform the work to 100% completion.

b. Owner's Contingency: Not applicable

6. ADDITIONAL SERVICES. Any service outside of the services stated herein and in the Exhibit attached hereto, must be pre-approved by the City, in writing, and in accordance with the City of Bentonville Purchasing Policy prior to any additional work proceeding.

7. INVOICING. Contractor shall submit an invoice (or Pay Application), for work performed or materials stored on-site, to the City's Contact for review. Invoices approved for payment will be processed by the City. Payment will only be made for actual work completed and approved by the City's Contact.

a. The Contractor may choose to submit progress invoices (for actual work performed or materials stored on site) or one invoice after 100% completion.

8. PAYMENT.

a. Inaccurate Invoicing. In the event that the City becomes credibly informed that any representations of Contractor provided in its invoicing are wholly or partially inaccurate, the City may withhold payment of sums then, or in the future, otherwise due to Contractor until the inaccuracy and the cause thereof is corrected to the City's reasonable satisfaction.

[This space has been intentionally left blank]



b. Service Failure. In the event of a service failure, where the service performed is not in accordance with the specifications set forth by the City, or otherwise not in accordance with this Contract, the City may withhold sums otherwise due to Contractor that are specifically for the area in which the service failure occurred, until correction of the service failure is confirmed. In the event that Contractor fails to correct the service failure within forty-eight (48) hours of being notified, or if the Contractor fails to correct the service failure in a manner which brings the work into specification as approved by the City's contact, the City reserves the right to cancel the Contract immediately.

9. TERMINATION FOR LACK OF FUNDS. If, for whatever reason, adequate funding is not made available by City to support or justify continuation of the level of services to be provided by Contractor under this Contract, City may terminate or reduce the amount of services to be provided by Contractor under this Contract. In such event, City will notify Contractor in writing at least thirty (30) days in advance of such termination or reduction of services for lack of funds.

10. DISPUTE RESOLUTION. City and Contractor agree that disputes relative to the Services will first be addressed by negotiations between the Parties. If direct negotiations fail to resolve the dispute, the Party initiating the claim that is the basis for the dispute may take such steps as it deems necessary to protect its interests; provided, however, that notwithstanding any such dispute, Contractor will proceed with the services as per this Contract as if no dispute existed, and City will continue to make payment for Contractor's completed services; and provided further that no dispute will be submitted to arbitration without both Parties' express written consent.

11. SUBCONTRACTING. Contractor may not subcontract or assign any of the services to be performed under this Contract without first obtaining the written approval of the City. Any Subcontractor approved by the City must be fully licensed and insured to perform the work.

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12. INSURANCE. Contractor shall purchase and maintain, at minimum, such insurance as defined herein and furnish Certificates of Insurance to the City naming the City of Bentonville as additionally insured. The insurance shall be appropriate for the performance of the work, as described herein, and shall provide protection from damage occurring to City owned property and from, and any other claims which may arise out of or result from the Contractor's performance of the work; whether it is to be performed by the Contractor, any subcontractor or supplier, or by anyone directly or indirectly employed by any of them to perform any of the work, or by anyone for whose acts any of them may be liable:

The policies of insurance required are as follows:

- 1) Workers' Compensation:
 - a. State: Statutory
 - b. Applicable Federal: Statutory
- 2) Comprehensive or Commercial General Liability: \$1,000,000.00 – Each Occurrence

In the event that any interruption or change in insurance coverage may occur, the Contractor shall provide the City with thirty (30) days written notice of any such interruptions or changes. Failure to maintain the required insurance will result in the direct breach of this Contract and subsequent termination.

13. INDEMNIFICATION AND HOLD HARMLESS. For purposes of this Contract, Contractor agrees to indemnify, defend and hold harmless the City, its officers, appointees, employees, and agents from any and all loss, damage, liability or expense, of any nature whatsoever caused or incurred as a result of the negligence or other actionable fault of Contractor, its affiliates, subsidiaries, employees, agents, assignees, and subcontractors and their respective employees and agents. Contractor is not required hereunder to defend the City, its officers, appointees, employees, or agents from assertions that they were negligent, nor to indemnify and hold them harmless from liability based on the City's negligence.

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14. SAFETY AND SUPERVISION. The Contractor shall be solely responsible for the safety, supervision and direction of Contractor's employees and personnel while performing the work pertaining to this Contract. The Contractor shall utilize their best skills and general industry best practices to ensure a safe work environment for the Contractor, Contractor's employees and personnel, and the civilians that may be located within work site(s) at the time when work is being performed. The Contractor shall, at all times, enforce strict discipline and good order among his employees and personnel, and shall not employ or contract any person to perform the services to be provided to the City that is not skilled or is unfit for providing such services.

15. TAXES, LICENSES AND PERMITS. The Contractor shall pay all Local, State and Federal taxes required by law and shall secure all permits and licenses necessary for the execution of the services described herein.

16. DAMAGES. All operations pertaining to the services described herein shall be confined to the areas awarded to Contractor as set forth herein and as are described in the Exhibit attached hereto, unless otherwise permitted by written communication from the City. The Contractor shall be solely liable for any damages caused by Contractor, or Contractor's employees or personnel, to such premises or otherwise in performance of this Contract.

17. ENTIRE CONTRACT. This Contract, including all documents and Exhibits included by reference herein, constitutes the entire Contract between the Parties and supersedes all prior agreements, whether oral or written, covering the same subject matter. This Contract may not be modified or amended except in writing mutually agreed upon and accepted by both Parties to this Contract.

18. NO THIRD PARTY BENEFICIARIES. Nothing contained herein will create a contractual relationship with, or any rights in favor of, any Third Party.

19. INDEPENDENT CONTRACTOR. Contractor is an independent contractor and is not an agent or employee of City.

20. COMPLIANCE WITH LAWS. Contractor will abide by all applicable federal, state and local laws, ordinances and regulations applicable at the time the services are rendered.



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21. APPLICABLE LAW, JURISDICTION, VENUE. Interpretation of this Contract and disputes arising out of or related to this Contract will be subject to and governed by the laws of the State of Arkansas. Jurisdiction and venue for any suit arising out of or related to this Contract will be in the District Court of Benton County, Arkansas.

22. SEVERABILITY. If any provision of this Contract is determined to be void, invalid, unenforceable or illegal for whatever reason, such provision(s) will be null and void; provided, however, that the remaining provisions of this Contract will be unaffected and will continue to be valid and enforceable.

23. AMBIGUITY. If any ambiguity, inconsistency or conflict arises in the interpretation of this Contract, the same will be resolved by reference to the terms and conditions of this Contract.

[Signature Page Follows]



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SIGNATURE PAGE

The Parties hereto have caused this Contract to be executed this
_____ (effective date).

CITY OF BENTONVILLE, ARKANSAS

By: _____
Stephanie Orman, Mayor

By: _____
(Signature)

**By signing this Contract, Signor attests that they are
authorized to bind this Company to this Contract.*

Name (printed): _____

Title: _____

GE Grid Solutions, LLC

Address: _____

Date: _____



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EXHIBIT A

SCOPE OF WORK



Administrative Services
Purchasing and Compliance Department
1000 SW 14th Street
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SCOPE OF WORK

The purchase and delivery of 69kV Breaker for A Substation expansion. Delivery shall be made in accordance with the specified location within the agreed-upon timeframe.

Lead Time: 46-50 Weeks



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EXHIBIT B

CONTRACTOR'S QUOTE



Grid Solutions



City of Bentonville

January 30, 2025

GE Proposal Number – AR-OP25011462548 – Revision 0

GE Grid Solutions, LLC

One Power Lane

Charleroi, PA 15022

USA

www.GEGridSolutions.com

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1 Executive Summary

City of Bentonville
Attn: Lauren Haislup

Thank you for your interest in GE Grid Solutions, LLC for the reference opportunity. We are pleased to submit the enclosed proposal for your consideration in accordance with the specification provided and the noted comments, clarifications, and exceptions.

Grid Solutions is an industry leading manufacturer of high voltage circuit breakers with R&D and manufacturing facilities located in Charleroi, Pennsylvania. Our facility is the Competence Center for research and development, testing, and manufacturing of dead tank circuit breakers for worldwide distribution and is certified to ISO 9001-2015 and ISO 14001-2015.

The factory has manufactured and delivered over 45,000 breakers since 1995 to locations all over the world. In addition to the product offered herein, we have a complete range of dead tank circuit breakers, live tank circuit breakers and circuit switchers to meet your needs now and into the future.

Our uniquely qualified team includes industry leaders with decades of experience in the transmission and distribution world as well as the high voltage circuit breaker industry. The members of the Grid Solutions team are available at any time and are dedicated together with our Charleroi staff of over 400 employees to providing you best in industry service and support.

We once again thank you for this opportunity to submit an offer and look forward to answering any questions which arise while reviewing our proposal.

Sincerely,

George Muchesko
Lead Sales & Proposal Manager
Phone: 724-483-7874
Email: George.Muchesko@ge.com

2 Proposal

Item #1

One (1) 72.5 kV Dead Tank Circuit Breakers according to ANSI/IEEE standards for outdoor installation with mechanical spring operating mechanisms including support structures:

▪ Type	DT1-72.5 FK F1
▪ Rated Nominal Voltage	69 kV
▪ Rated Maximum Voltage	72.5 kV
▪ Frequency	60 Hz
▪ Rated Continuous Current	1200 A (up to 2000 A)
▪ Rated Short-Circuit Current	40 kA
▪ BIL	350 kV
▪ Creep Distance / Material / Color	80" / Composite / Gray
▪ Insulating Medium	SF ₆ - Included for 1 st Fill
▪ Interrupting Time	3 cycles
▪ High-Speed Auto-Reclosure	3 phase, Gang Operated
▪ Current Transformers	(12) 1200:5 MR C800, TRF 2.0
▪ Cabinet Enclosure Rating / Material	NEMA 3R / Painted Steel
▪ Ambient Temperature	-30°C to +50°C without tank heaters
▪ Seismic Rating	Per IEEE 693-2005 Low
▪ Altitude	≤ 3,300' ASL
▪ Control Voltage	48 VDC
▪ Motor Voltage	48 VDC
▪ Alternate Current Circuit (Lighting / Heating):	120 VAC / 240 VAC

Unit Price: **\$67.950.00 - USD, FOB Jobsite, AR**

3 Spare Parts, Special Tools & Service

Item #	Parts Description	DT1-72.5 FK F1
		Price per unit in USD
a	(1) Trip Coil or (1) Close Coil	\$195.00
b	(1) Spring Charge Motor	\$1,350.00

Prices of spare parts are valid only when ordered and delivered with the circuit breaker.

It's recommended for emergency purposes to purchase and stock a spare charging motor, trip coil and close

Special Tools

No special tools are necessary for installation or maintenance of the breakers. We do recommend, however, having one (1) of each of the following SF₆ handling tools on site:

- Gas regulator and fill hose set One (1) per breaker type per order included
- Doble Transducer Bracket One (1) per breaker type per order included

Field Service

A field service representative is not included in the base price of the circuit breakers. If service is required, pricing information is listed below.

- Initial Trip (airfare & travel time) \$6,750.00 - USD
- Eight (8) hour day (time, lodging, meals & local transportation) \$5,250.00 - USD

4 Comments, Clarifications, and Exceptions

- This offer is made in accordance with the attached Terms and Conditions for Sale of Products and Services Form EM 104 (Grid Solutions). However, GE Grid Solutions, LLC is open to negotiation of the Terms and Conditions.
- The quoted circuit breaker low voltage controls will be similar to the previous 161kV order for the City of Bentonville, see the attached wiring schematic for details.

5 Commercial Terms of Sale

Validity:	Thirty (30) days after bid date.
Delivery:	Standard lead time forty-six (46) to fifty (50) weeks after receipt of order. All lead times are subject to prior factory loading and material availability at the time of purchase order placement.
Delivery Note:	Drawings will be submitted for approval between twelve (12) to fourteen (14) weeks after receipt of order. Delivery is based upon customer return of approved drawings in two (2) weeks.
Shipping Point:	La Prairie, Quebec, Canada.
PO Remittance:	GE Grid Solutions, LLC., One Power Lane, Charleroi, PA 15022.
Terms of Delivery:	Pricing is firm in USD, FOB Jobsite (DDP per INCOTERMS 2020), pre-paid and allowed. Shipment to destination is limited to sites accessible by the vehicle in which the unit ships from the factory. Unloading is to be provided by others.
Payment Conditions:	30% Down payment 70% Net 30 days after delivery. All Payments by wire transfer.
Instruction Manuals:	One instruction book is shipped inside the control cabinet of the breaker. Remaining instruction books will ship within two weeks of breaker shipment.
Warranty:	Twelve (12) months after installation, not to exceed eighteen (18) months after delivery. Warranties exclude wear and tear associated with normal circuit breaker operation, circuit breakers used in special applications not covered by ANSI/IEEE C37.04, and circuit breakers that have exceeded the maximum allowable cumulated current. Warranties are based on strict accordance with the maintenance instructions found in the breaker manual.
Liquidated Damages:	Provisions for liquidated damages are not included in this offer.
Sales Tax:	This offer does not include any sales tax (federal, state or local).
Damages:	The manufacturer shall not be liable for consequential or indirect damages such as loss of use, profit, contract, production, or any financial loss. In addition, the total liability is limited to a maximum of the contract value. The right for technical modifications is reserved.

Cancellation: In the event of order cancellation, a payment will be due based on the table below.

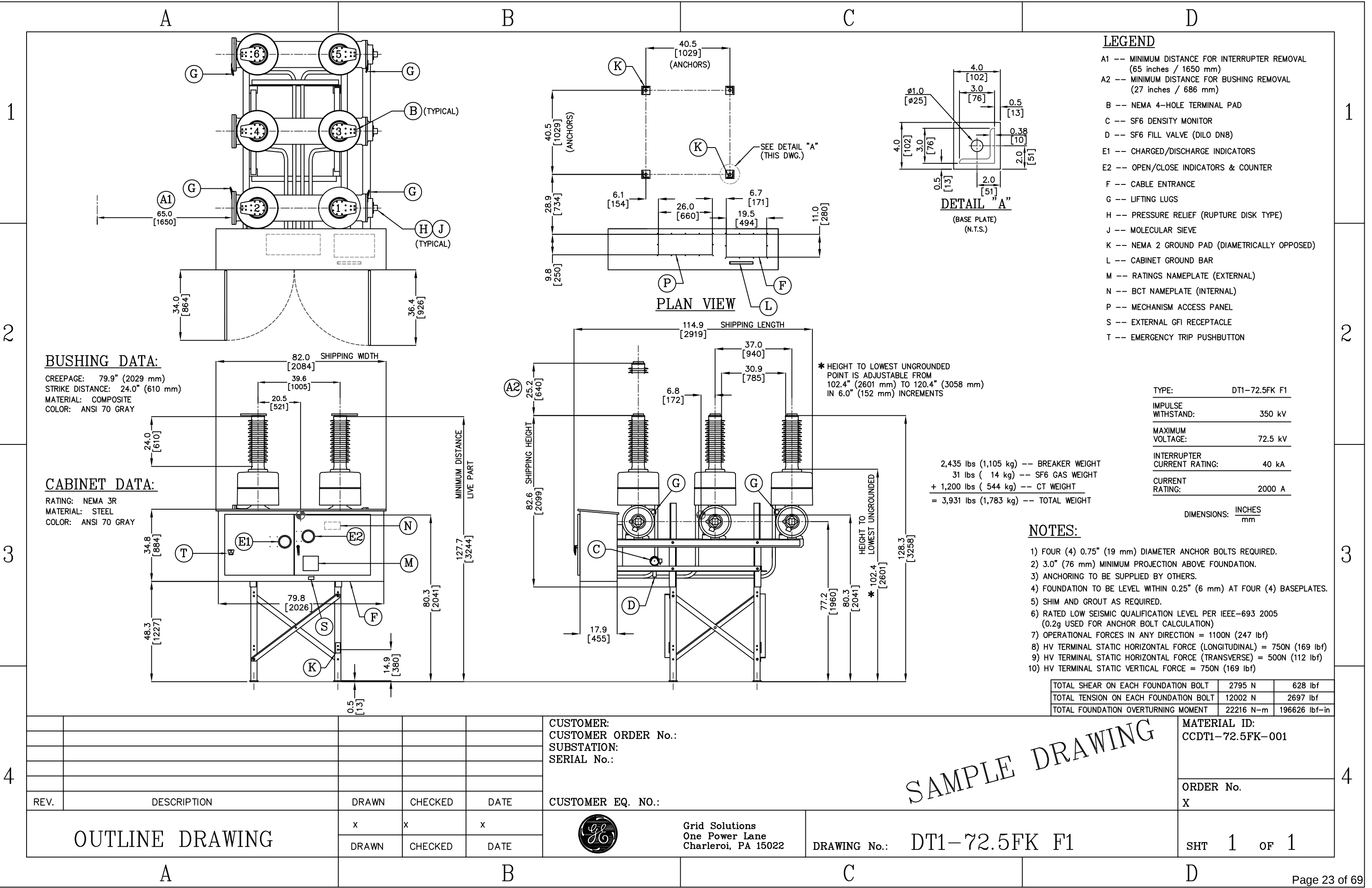
Schedule (based on EXW factory)	Cancellation Charge
	(% of contract value)
0 – 4 weeks after receipt of order	10.0%
60+ weeks before delivery	30.0%
40 – 60 weeks before shipment	40.0%
42 – 48 weeks before shipment	50.0%
36 – 42 weeks before shipment	60.0%
24 – 36 weeks before shipment	70.0%
12 – 24 weeks before shipment	80.0%
0 – 12 weeks before shipment	100%

Delays: Depending on the availability of the production slot, some delay requirement from customer might not be accommodated.

In case of delay is accepted by GE, GE is entitled to revisit contract price based on additional project cost due to delay. Projects that have ship date less than 24 weeks, delay on manufacturing is not possible. \$1,500 per breaker per week storage fee will be charge for 245kv and below breakers. For 362kv and above breakers and any storage more than 4 weeks, storage and service fee will be quoted at time of request.

6 Attachments

- DT1-72.5 FK F1 Sample Outline Drawing & Wiring Schematic
- DT1-72.5 FK Product Brochure
- Grid Solutions High Voltage Circuit Breaker Line Card
- Terms and Conditions for Sale of Products and Services Form EM 104 (Grid Solutions)



SAMPLE DRAWING

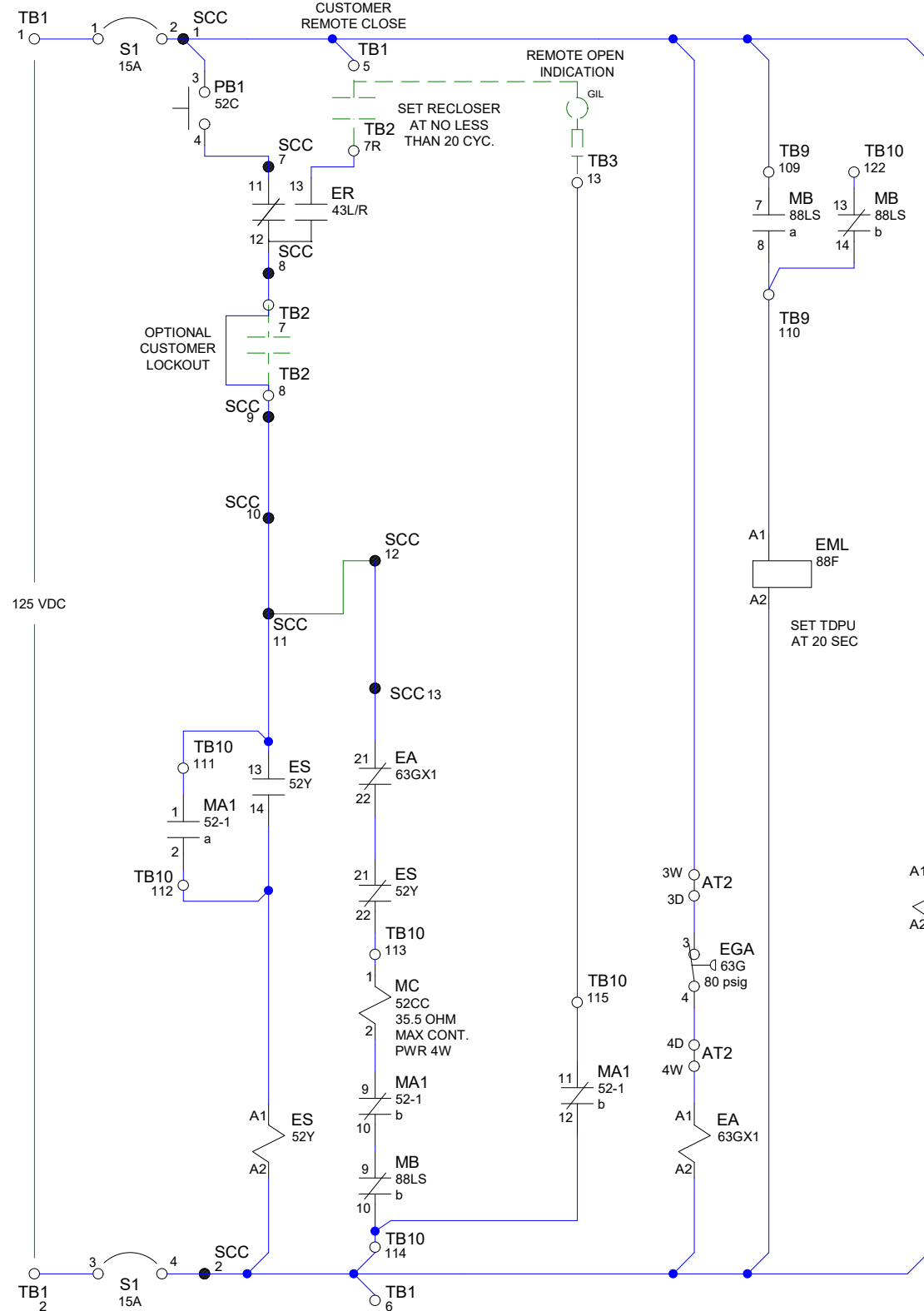
A

B

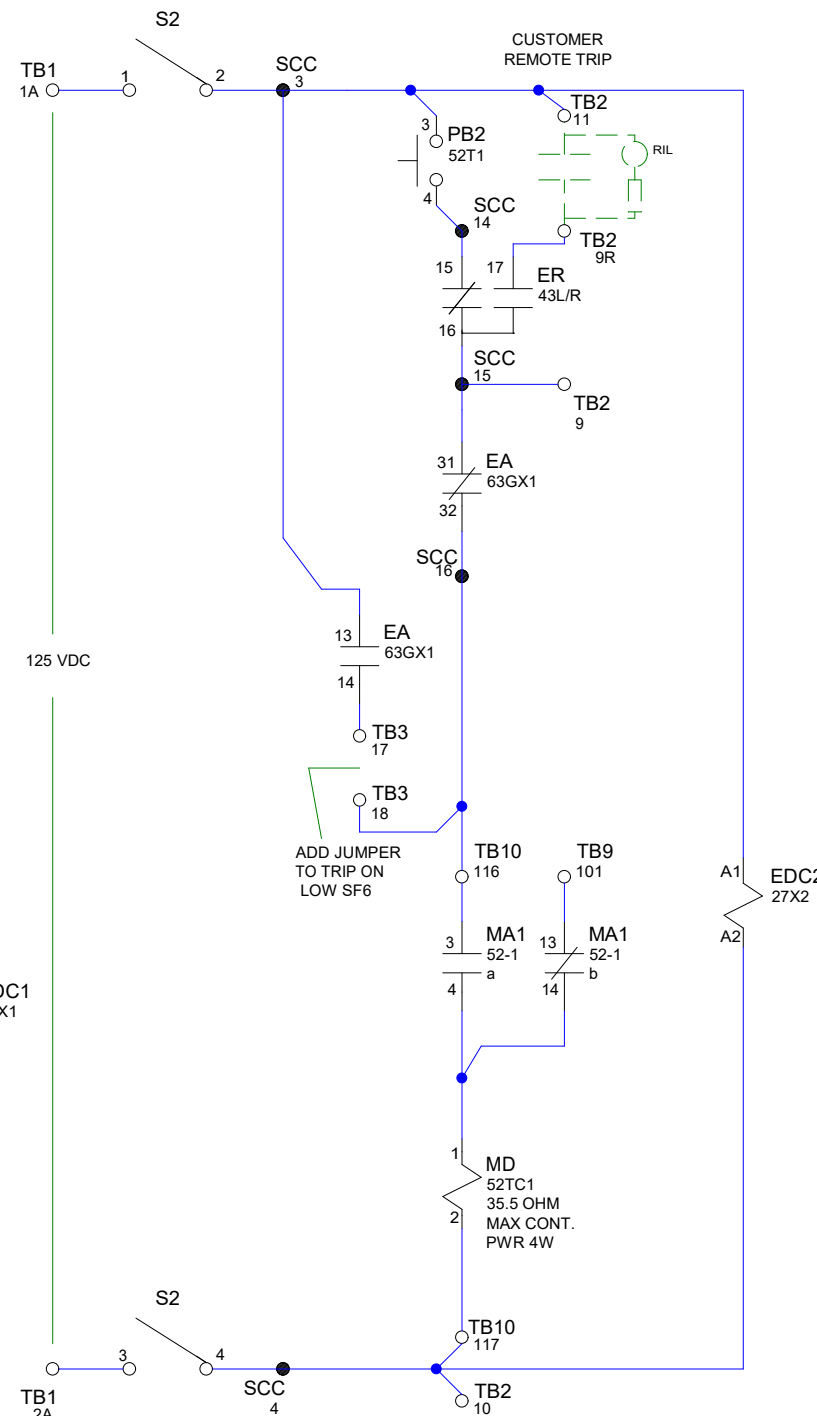
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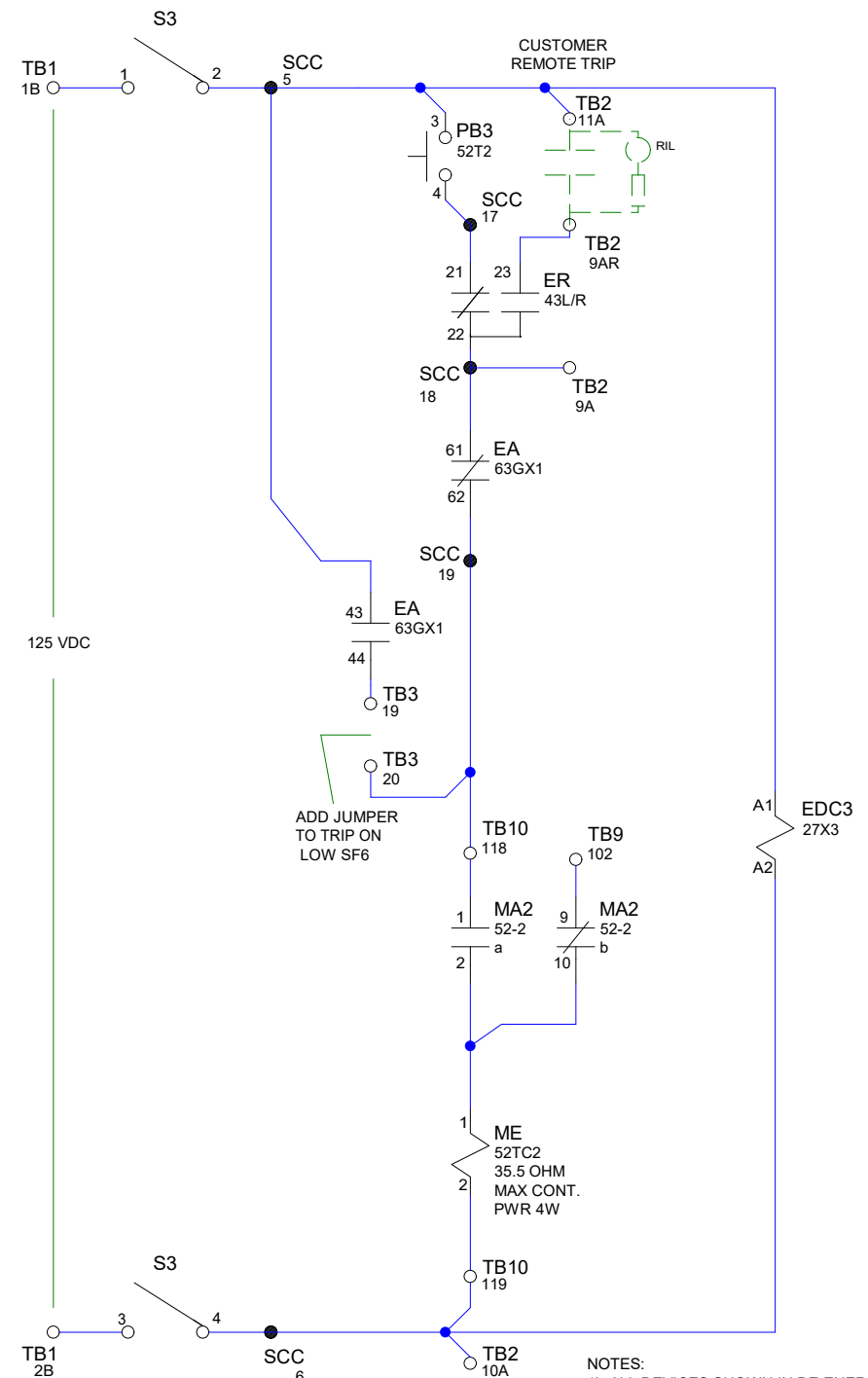
CLOSE CIRCUIT



TRIP 1 CIRCUIT



TRIP 2 CIRCUIT



- NOTES:
- 1) ALL DEVICES SHOWN IN DE-ENERGIZED POSITION
 - 2) BREAKER SHOWN IN OPEN POSITION
 - 3) SF6 SHOWN AT ZERO PRESSURE
 - 4) CLOSING SPRING SHOWN IN CHARGED POSITION
 - 5) SCC:11 & SCC:12 ARE CONNECTED BY A 2PT SHORTING BAR
 - 6) LOCAL/REMOTE SWITCH SHOWN IN LOCAL POSITION

						CUSTOMER: CITY OF BENTONVILLE CUSTOMER ORDER No.: 22206687 SUBSTATION: SUBSTATION E SERIAL No.: 3888030010001		MATERIAL ID: CCDT1-170FK-F1-001
								ORDER No. 388803
REV.	DESCRIPTION	ECN NO.	DRAWN BY	CHECKED	DATE	CUSTOMER EQ. No.:		
DC CONTROL SCHEMATIC			W. Holt	A. Lisitsa	01/25/2023		Grid Solutions One Power Lane Charleroi, PA 15022	DRAWING No.: E388803010
			DRAWN	CHECKED	DATE			

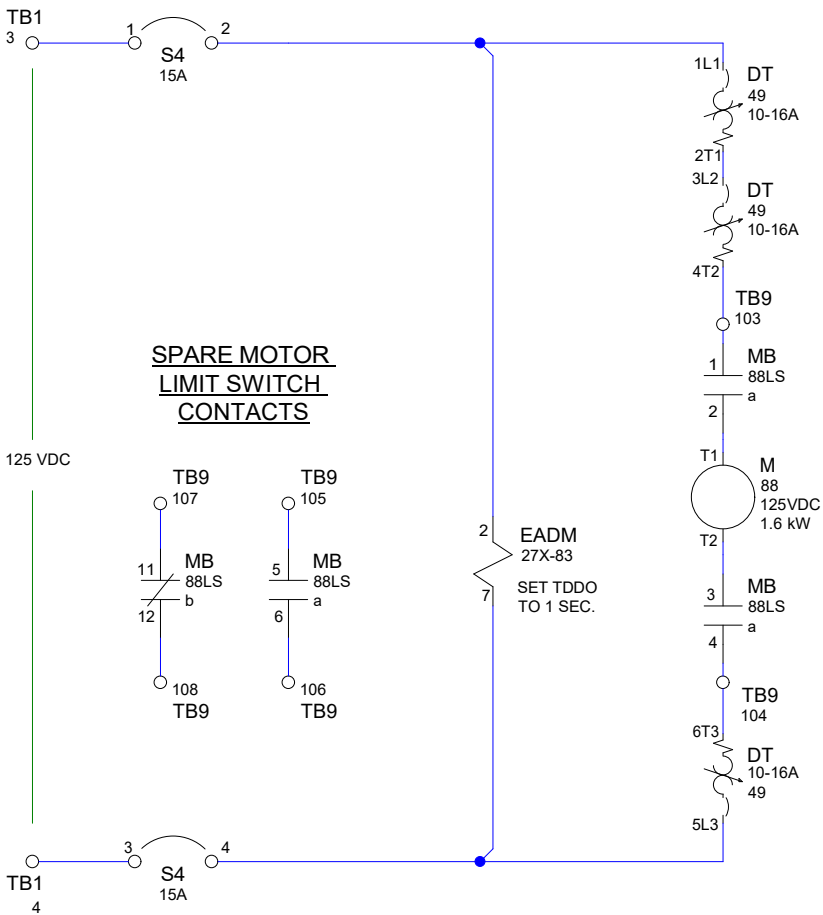
A

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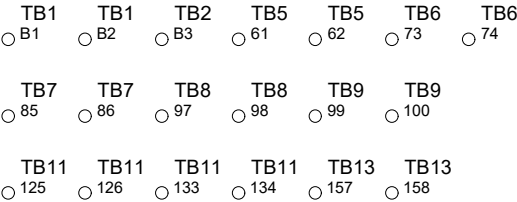
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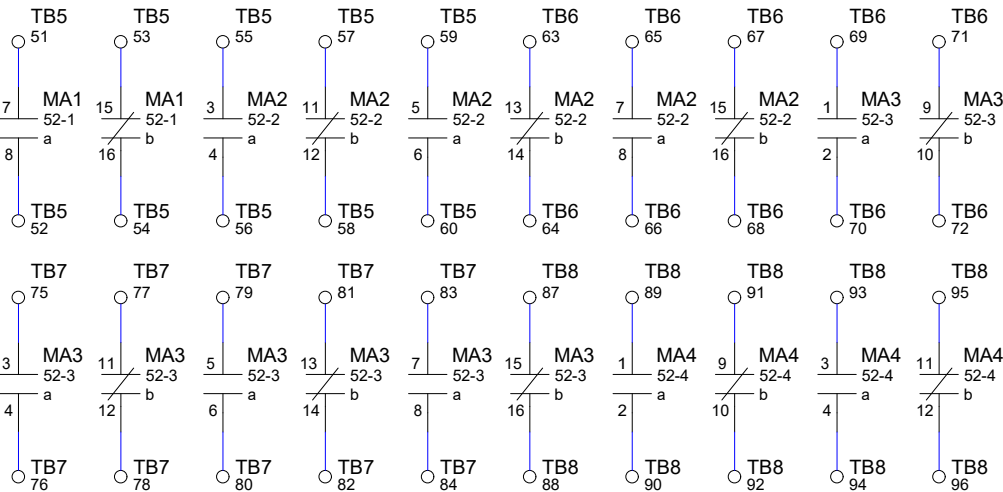
MOTOR CIRCUIT



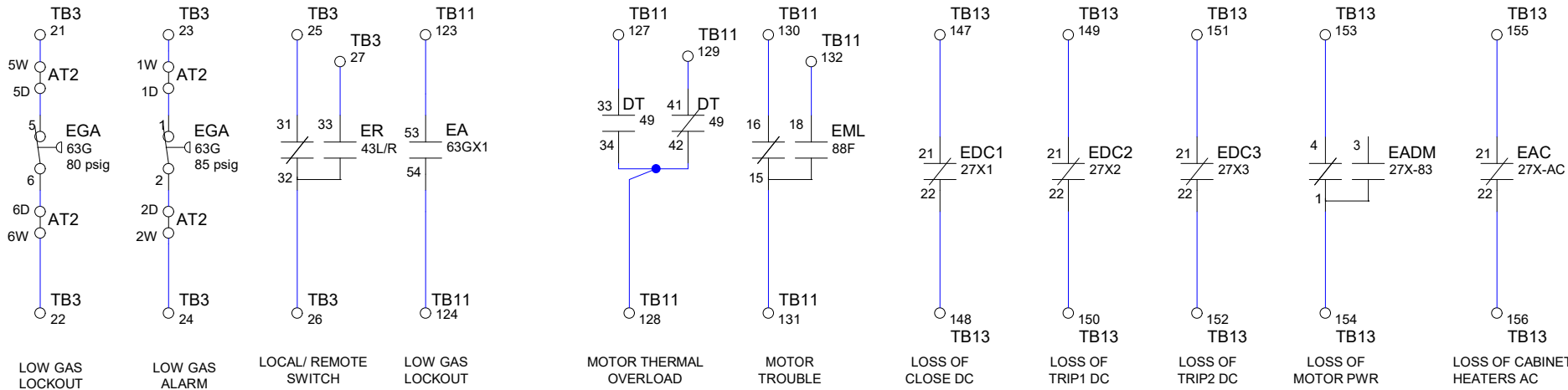
SPARE TERMINAL BLOCKS FOR CUSTOMER USE



SPARE AUXILIARY SWITCHES FOR CUSTOMER USE



CUSTOMER ALARMS



- NOTES:
- 1) ALL DEVICES SHOWN IN DE-ENERGIZED POSITION
 - 2) BREAKER SHOWN IN OPEN POSITION
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 - 5) SCC:11 & SCC:12 ARE CONNECTED BY A 2PT SHORTING BAR
 - 6) LOCAL/REMOTE SWITCH SHOWN IN LOCAL POSITION

CUSTOMER: CITY OF BENTONVILLE CUSTOMER ORDER No.: 22206687 SUBSTATION: SUBSTATION E SERIAL No.: 3888030010001			MATERIAL ID: CCDT1-170FK-F1-001	
CUSTOMER EQ. No.:			ORDER No. 388803	
 Grid Solutions One Power Lane Charleroi, PA 15022			DRAWING No.: E388803010	
			SHT 3 OF 13	

A

B

C

D

MOTOR CIRCUIT AND ALARMS

A

B

C

D

1

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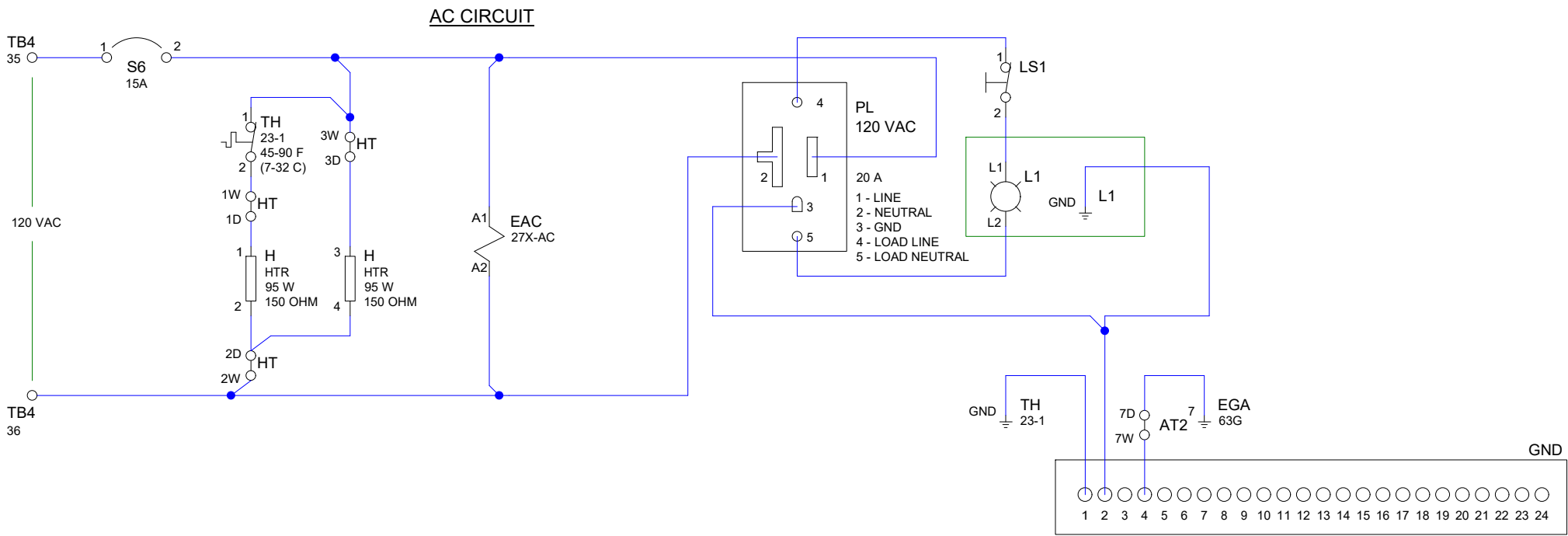
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4



- NOTES:
- 1) ALL DEVICES SHOWN IN DE-ENERGIZED POSITION
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REV.	DESCRIPTION	ECN NO.	DRAWN BY	CHECKED	DATE
			W. Holt	A. Lisitsa	01/25/2023
			DRAWN	CHECKED	DATE
AC SCHEMATIC					

CUSTOMER: CITY OF BENTONVILLE CUSTOMER ORDER No.: 22206687 SUBSTATION: SUBSTATION E SERIAL No.: 3888030010001		MATERIAL ID: CCDT1-170FK-F1-001	
CUSTOMER EQ. No.:		ORDER No. 388803	
 Grid Solutions One Power Lane Charleroi, PA 15022		DRAWING No.: E388803010	

SHT 4 OF 13

A

B

C

D



Grid Solutions
a GE and Alstom joint venture

DT1-72.5

Dead tank circuit breaker for 72.5 kV

One of the keys to safety in your substation is the circuit breaker. Safety can be ensured by using the DT1 circuit breaker, a product based on state-of-the-art technology and manufactured in modern production facilities.



CUSTOMER BENEFITS

- Proven reliability
- High performance
- ISO quality systems
- Near zero maintenance
- Over 20 years of service experience and over 9,000 in service worldwide

With Grid Solutions, you are choosing a company that you can trust.

Grid Solutions' advanced self-blast interrupters, leak resistant cast aluminum enclosures and durable low energy spring-spring operated mechanisms characterize the DT series. More than 100,000 circuit breakers with self-blast interrupters and FK spring-operated mechanisms have been in service since 1989.

A RUGGED PERFORMER

Thanks to its robust design, the DT1-72.5 is a highly reliable circuit breaker even under the most severe operating conditions and is tested to meet or exceed ANSI and IEC standards, including the definite purpose applications.

UNIQUE PERFORMANCE

The DT1-72.5 is suitable for applications up to nameplate ratings, including definite purpose ratings and is uniquely qualified under the latest ANSI IEC standards as C2 class for capacitance switching including back-to-back (very low restrike probability) and reactor switching applications. Extensive mechanical operation design testing ensures trouble-free operation for the lifetime of the circuit breaker. Intensive production leak testing ensures superior in-service SF₆ performance.

FLEXIBILITY FOR NEW AND RETROFIT APPLICATIONS

The compact DT1-72.5 design can be used in new or retrofit applications. The 3-pole circuit breaker forms a complete, fully assembled, factory-tested, transportable unit. The on-site installation requires only a few simple steps. For installations where truck shipment is impossible, the DT1-72.5 can be readied for standard container shipment as a fully assembled unit.

CERTIFIED QUALITY

Grid Solutions designs, manufactures, tests and delivers its circuit breakers in accordance with IEEE/ANSI and IEC standards, maintaining a quality assurance system according to ISO-9001 and ISO-14001. The competence center for dead tank circuit breakers is located in Charleroi, PA (USA).

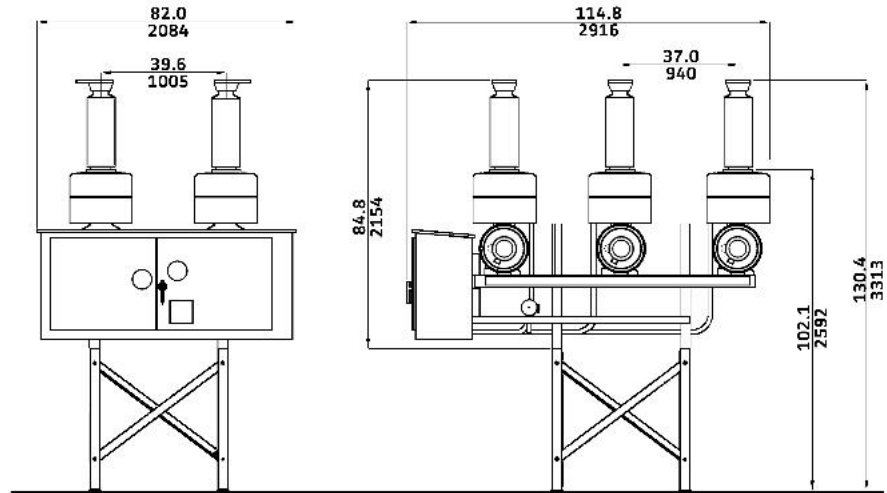


TECHNICAL DATA

	Value	Units
SF ₆ pressure	67/0.46	psig/Mpa
Motor	1600	watts
Close coil/Trip coil	440/440	watts
Ambient temperature range*	-40 to +50	degree C
Seismic capability*	High Seismic per IEEE 693	
Weight (without current transformers)	2,700/1,227	lb/kg
Weight of SF ₆	29/13	lb/kg

* Optional values available on request.

DIMENSIONS



RATINGS

IEEE/ANSI	IEC	Value	Units
Rated maximum voltage	Rated voltage	72.5	kV
Rated power frequency	Rated frequency	50/60	Hz
Rated dielectric withstand capability:	Rated insulation level		
- dry withstand	- at power frequency, dry	160	kV
- wet withstand	- at power frequency, wet	140	kV
Rated lightning impulse withstand voltage	- at lightning impulse	350	kV
Rated chopped wave impulse voltage 2us/3us		452/402	kV
Rated continuous current	Rated normal current	1,200/2,000/3,000	A
Rated short-circuit current	Rated short-circuit breaking current	40	kA
Rated closing, latching and short time carrying current		108	kA
	Rated short-circuit making current	100	kA
Rated capacitance switching		630	A
	Rated single capacitor bank breaking current	1,200	A
Rated interrupting time		3	cycles
	Rated break time	50	ms
Rated standard operating duty	Rated operating sequence	O-CO-15s-CO O-0.3s-CO-180s-CO	

* Standard values; further data is available on request. ** Please contact Grid Solutions for special purpose, high TRV, high X/R or other ratings requirements.

INSTALLATION AND MAINTENANCE

The DT1-72.5 is factory tested and adjusted. It does not need any "special tools" for installation. With a self-contained adjustable support structure, it is recognized worldwide as an easy to install circuit breaker. Thanks to the low-energy mechanism and lifetime lubricants, the DT series is virtually maintenance-free.

For more information please contact
GE Grid Solutions

Worldwide Contact Center

Web: www.GEGridSolutions.com/contact
Phone: +44 (0) 1785 250 070

www.GEGridSolutions.com



Product		Ratings	Features
DT1-38FK-40-F1		• Up to 38kV • 1200A to 3000A • 40kA, 3 cycles	• FK3-1 SPRING/SPRING mechanism • Gang Operated
DT1-72.5FK-40-F1		• 72.5kV • 1200A to 3000A • 40kA, 3 cycles	• FK3-1 SPRING/SPRING mechanism • Gang Operated
DT1-72.5FK-40-F3		• 72.5kV • 1200A to 3000A • 40kA, 3 cycles	• FK3-1 SPRING/SPRING mechanisms • Independent Pole Operation (IPO) • Optional Synchronous Control for Point-on-Wave Switching
DT1-145FK-40-F1 DT1-170FK-40-F1		• 123kV, 145kV, 170kV • 1200A to 3000A • 40kA, 3 cycles	• FK3-1 SPRING/SPRING mechanism • Gang Operated
DT1-72.5R-40-F1 DT1-145R-40-F1		• 72.5kV, 123kV, 145kV • 1200A to 3000A • 40kA, 3 cycles	• FK3-1 SPRING/SPRING mechanism • Gang Operated • Pre-Insertion Resistors (PIR)
DT1-145FK-40-F3 DT1-170FK-40-F3		• 123kV, 145kV, 170kV • 1200A to 3000A • 40kA, 3 cycles	• FK3-1 SPRING/SPRING mechanisms • Independent Pole Operation (IPO) • Optional Synchronous Control for Point-on-Wave Switching
DT1-72.5-63-F1 DT1-145-63-F1		• 72.5kV, 123kV, 145kV • 1200A to 4000A • 63kA, 3 cycles	• FK3-4 SPRING/SPRING mechanism • Gang Operated • NO CAPACITORS
DT1-145g-63		• 72.5kV, 123kV, 145kV • 1200A to 4000A • 63kA, 3 cycles	• SF6-FREE FK3-4 SPRING/SPRING mechanism • Gang Operated
DT1-245P-40-F1		• 245kV • 1200A to 4000A • 40kA, 3 cycles	• FK3-4 SPRING/SPRING mechanism • Gang Operated • Optional 2 cycle performance
DT1-245P-40-F3		• 245kV • 1200A to 4000A • 40kA, 3 cycles	• FK3-1 SPRING/SPRING mechanisms • Independent Pole Operation (IPO) • Optional Synchronous Control for Point-on-Wave Switching

* Special ratings and applications available on request. Contact your GE representative for more information.



Product		Ratings	Features
DT1-245P-63-F1		• 245kV • 1200A to 5000A • 63kA, 2 cycles	• FK3-6 SPRING/SPRING mechanism • Gang Operated • NO CAPACITORS
DT1-245P-63-F3		• 245kV • 1200A to 5000A • 63kA, 2 cycles	• FK3-1 SPRING/SPRING mechanisms • Independent Pole Operation (IPO) • Optional Synchronous Control for Point-on-Wave Switching • NO CAPACITORS
MOV for Shunt Reactor Switching		• 38kV to 800kV • Dead Tank, Live Tank, Circuit Switcher • Varistors sized based on user specifications.	• Varistors across HV Terminals extend circuit breaker life • External mounting for increased reliability and ease of maintenance
DT1-362-63-F3 DT1-362R-63-F3		• 362kV • 1200A to 5000A • 63kA, 2 cycles	• FK3-6 SPRING/SPRING mechanisms • Independent Pole Operation (IPO) • Optional Synchronous Control for Point-on-Wave Switching • Optional Pre-Insertion Resistors (PIR)
DT2-550-63-H3 DT2-550-63-F3 DT2-550R-63-H3 DT2-550R-63-F3		• 550kV • 1200A to 5000A • 63kA, 2 cycles	• Hydraulic Mechanisms • Independent Pole Operation (IPO) • Optional Point-on-Wave Switching • Optional Pre-Insertion Resistors (PIR) • Optional SPRING/SPRING Mechanisms
GL3 Series Live Tank		• 72.5kV to 800kV • 1200A to 4000A • Up to 63kA, 3 cycles	• FK3-x SPRING/SPRING mechanisms • Independent Pole Operation (IPO) • Or Gang Operated (voltage dependent)
Live Tank GL309 GL312 GL313 GL314		• 72.5kV to 245kV • 1200A to 3000A • Up to 40kA, 3 cycles	• Circuit Switcher applications • FK SPRING/SPRING operated mechanism • Circuit Breaker performance in a Circuit Switcher footprint
GL314BPS High Speed Bypass Switch		• Up to 800kV system • Up to 170kV across gap • Making Current 120kAp • Insertion Current 5000A • Insertion Voltage 300kVp	• Series Capacitor Bypass Protection • FK3-2 SPRING/SPRING mechanisms • Independent Pole Operation
HYpact		• 72.5 kV to 170kV • 2500A • 40kA, 3 cycles • Hybrid compact switchgear assembly	• FK3-1 SPRING/SPRING mechanism • Gang Operated • Endless configurations –breakers, disconnect switches, CTs, VTs, cable connections.
CBWatch3		• Circuit Breaker Monitoring • IEC 61850 8.1 (DNP3 option)	• Permanent real-time monitoring of CB operational parameters • SF6 emissions trending
Synchronous Control (Point on Wave Switching)		• Cabinet mounted or Rack Mounted	• Point-on-wave (POW) trip/close • Capacitors, reactors, transformers • Residual Flux compensation available

Terms and Conditions for Sale of Products and Services

Form EM 104 (Grid Solutions)

NOTICE: Sale of any Products or Services is expressly conditioned on Buyer's assent to these Terms and Conditions. Any acceptance of Seller's offer is expressly limited to acceptance of these Terms and Conditions and Seller expressly objects to any additional or different terms proposed by Buyer. No facility entry form shall modify these Terms and Conditions even if signed by Seller's representative. Any order to perform work and Seller's performance of work shall constitute Buyer's assent to these Terms and Conditions. Unless otherwise specified in the quotation, Seller's quotation shall expire 30 days from its date and may be modified or withdrawn by Seller before receipt of Buyer's conforming acceptance.

1. Definitions

"Buyer" means the entity to which Seller is providing Products or Services under the Contract.

"Contract" means either the contract agreement signed by both parties, or the purchase order signed by Buyer and accepted by Seller in writing, for the sale of Products or Services, together with these Terms and Conditions, Seller's final quotation, the agreed scope(s) of work, and Seller's order acknowledgement. In the event of any conflict, the Terms and Conditions shall take precedence over other documents included in the Contract.

"Contract Price" means the agreed price stated in the Contract for the sale of Products and Services, including adjustments (if any) in accordance with the Contract.

"Firmware" means software provided with or embedded in a Product and necessary for the proper functioning of the Product, but excluding software supplied by a third party and software applications licensed separately

"Hazardous Materials" means any toxic or hazardous substance, hazardous material, dangerous or hazardous waste, dangerous good, radioactive material, petroleum or petroleum-derived products or by-products, or any other chemical, substance, material or emission, that is regulated, listed or controlled pursuant to any national, state, provincial, or local law, statute, ordinance, directive, regulation or other legal requirement of the United States ("U.S.") or the country of the Site.

"Insolvent/Bankrupt" means that a party is insolvent, makes an assignment for the benefit of its creditors, has a receiver or trustee appointed for it or any of its assets, or files or has filed against it a proceeding under any bankruptcy, insolvency dissolution or liquidation laws.

"Products" means the equipment, parts, materials, supplies, software, and other goods Seller has agreed to supply to Buyer under the Contract.

"Seller" means the entity providing Products or performing Services under the Contract.

"Services" means the services Seller has agreed to perform for Buyer under the Contract.

"Site" means the premises where Products are used or Services are performed, not including Seller's premises from which it performs Services.

"Terms and Conditions" means these "Terms and Conditions for Sale of Products and Services", including any relevant addenda pursuant to Article 18, together with any modifications or additional provisions specifically stated in Seller's final quotation or specifically agreed upon by Seller in writing.

2. Payment

2.1 Buyer shall pay Seller for the Products and Services by paying all invoiced amounts by direct bank transfer in the currency specified by Seller in the Contract, without set-off for any payment from Seller not due under this Contract, within thirty (30) days from the invoice date. Remittance advice notifying of payment is to be sent to Remit.Renewable.Energy@ge.com. Invoicing and payment shall be in accordance with the Contract. If not otherwise agreed in the Contract, Seller shall issue invoices upon shipment of Products and as Services are performed, or if the Contract Price is U.S. Two Hundred Fifty Thousand Dollars (\$250,000) or more, progress payments shall be invoiced starting with twenty-five percent (25%) of the Contract Price for Products and Services upon the earlier of Contract signature or issuance of Seller's order acknowledgement and continuing such that ninety percent (90%) of the Contract Price for Products is re-

ceived before the earliest scheduled Product shipment and Services are invoiced as performed ("the Progress Payments"). For each calendar month, or fraction thereof, that payment is late, Buyer shall pay a late payment charge computed at the rate of 1.5% per month on the overdue balance, or the maximum rate permitted by law, whichever is less. If the price is set by the Contract in a currency other than U.S. dollars, references to U.S. dollars in this Section 2.1 shall mean the equivalent amount in the applicable currency. In case of any increase in material or labor costs over the Contract execution period the Seller shall be entitled to get compensated as per the Contract price escalation mechanism specified in the Seller's offer. In case the Contract does not comprise a price escalation mechanism and if a Party can demonstrate that the continued performance of its contractual obligations has become excessively onerous due to an event as per Clause 10 (which will include evolution of any event preexisting at the time of signature of the Contract), the Parties are bound, within a reasonable time of written notice by one Party to the other, to negotiate alternative contractual terms or a mitigation plan which reasonably permit the consequences of the event to be mitigated or the restoration of the balance that was pre-existing at the signature of the Contract between the Parties. The Party serving notice under this Clause shall provide the other Party with as much commercially available details of the event or events affecting that Party's contractual obligations, the affected obligations themselves and how and to which extent these events are (and will be) affecting the performance of the Contract. The Parties shall act in the spirit of openness and transparency in this communication within the limits set by applicable antitrust laws and regulations. Where an agreement is reached, the Parties shall start implementing the agreed measures immediately, pending the signature of the relevant amendment to the Contract. In the event the Parties are unable to agree on alternative contractual terms or on a mitigation plan as provided above within fifteen (15) days of the written notice, and in the absence of any other agreement, the Party serving notice under this Clause will be entitled to either suspend its performance of the affected portion of the Contract, or to terminate the Contract, without any liability to the other party. If the Contract is suspended for a period greater than 60 consecutive days by that Party, either Party may terminate the Contract by sending written notice of termination to the other Party. In case of termination of the Contract hereunder, the Parties shall settle their accounts accordingly as if the Contract had been terminated through no fault of the Parties, without prejudice to any Party's right to apply the provisions of Clause 16.2 hereof. To support the prevention of fraud, in the event the Buyer is required to make a payment to a bank account that is not the one expressly agreed in the Contract, the Buyer shall before proceeding with payment request confirmation to the Seller that the bank account identified in the invoice or request for payment is valid. Verification must be anticipated not to lead to any delay in making payment.

2.2 As and if requested by Seller, Buyer shall at its expense establish and keep in force payment security in the form of an irrevocable, unconditional, sight letter of credit or bank guarantee allowing for pro-rata payments as Products are shipped and Services are performed, plus payment of cancellation and termination charges, and all other amounts due from Buyer under the Contract ("Payment Security"). The Payment Security shall be (a) in a form, and issued or confirmed by a bank acceptable to Seller, (b) payable at the counters of such acceptable bank or negotiating bank, (c) opened prior to commencement of work by Seller with respect to development, manufacturing and shipment of Products and at least sixty (60) days prior to commencement of Services, and (d) remain in effect until the latest of ninety (90) days after the last scheduled Product shipment, completion of all Services and Seller's receipt of the final payment required under the Contract. Buyer shall, at its expense, increase the amount(s), extend the validity period(s) and make other appropriate modifications to any Payment Security within ten (10) days of Seller's notification that such adjustment is necessary in connection with Buyer's obligations under the Contract.

2.3 Seller is not required to commence or continue its performance unless and until any required Payment Security is received, operative and in effect and all applicable Progress Payments have been received. For each day of delay in receiving Progress Payments or acceptable Payment Security, Seller shall be entitled to an equitable extension of the schedule. If at any time Seller reasonably determines that Buyer's financial condition or payment history does not justify continuation of Seller's performance, Seller shall be entitled to require full or partial payment in advance or otherwise restructure payments, request additional forms of Payment Security, suspend its performance or terminate the Contract.

3. Taxes and Duties

Seller shall be responsible for all corporate taxes measured by net income due to performance of or payment for work under this Contract ("Seller Taxes"). Buyer shall be responsible for all taxes, duties, fees, or other charges of any nature (including, but not limited to, consumption, gross receipts, import, property, sales, stamp, turnover, use, or value-added taxes, and all items of withholding, deficiency, penalty, addition to tax, interest, or assessment related thereto, imposed by any governmental authority on Buyer or Seller or its subcontractors) in relation to the Contract or the performance of or payment for work under the Contract other than Seller Taxes ("Buyer Taxes"). The Contract Price does not include the amount of any Buyer Taxes. If Buyer deducts or withholds Buyer Taxes, Buyer shall pay additional amounts so that Seller receives the full Contract Price without reduction for Buyer Taxes. Buyer shall provide to Seller, within one month of payment, official receipts from the applicable governmental authority for deducted or withheld taxes.

4. Deliveries; Title Transfer; Risk of Loss; Storage

4.1 For shipments that do not involve export, including shipments from one European Union ("EU") country to another EU country, Seller shall deliver Products to Buyer FCA Seller's facility or warehouse (Incoterms 2020). For export shipments, Seller shall deliver Products to Buyer FCA Port of Export (Incoterms 2020). Notwithstanding anything to the contrary, for any importation, Buyer shall be identified as the importer in all applicable documents. Buyer shall pay all delivery costs and charges or pay Seller's standard shipping charges plus

up to twenty-five (25%) percent. Partial deliveries are permitted. Seller may deliver Products in advance of the delivery schedule. In case Buyer and Seller agree on different transportation arrangement with cost of freight and delivery to destination included in the Contract Price, Seller will not be responsible for any increase in transportation costs occurring after the Contract signature unless if caused by Seller's sole negligence, and Seller will be entitled to invoice the Buyer the additional transportation costs it has actually incurred, subject to reasonable justification of such additional costs. Delivery times are approximate and are dependent upon prompt receipt by Seller of all information necessary to proceed with the work without interruption. If Products delivered do not correspond in quantity, type or price to those itemized in the shipping invoice or documentation, Buyer shall so notify Seller within ten (10) days after receipt.

4.2 For shipments that do not involve export, title to Products shall pass to Buyer upon delivery in accordance with Section 4.1. For export shipments from a Seller facility or warehouse outside the U.S., title shall pass to Buyer upon delivery in accordance with Section 4.1. For shipments from the U.S. to another country, title shall pass to Buyer immediately after each item departs from the territorial land, seas and overlying airspace of the U.S. The 1982 United Nations Convention of the law of the Sea shall apply to determine the U.S. territorial seas. For all other shipments, title to Products shall pass to Buyer the earlier of (i) the port of export immediately after Products have been cleared for export or (ii) immediately after each item departs from the territorial land, seas and overlying airspace of the sending country. When Buyer arranges the export or intercommunity shipment, Buyer will provide Seller evidence of exportation or intercommunity shipment acceptable to the relevant tax and custom authorities.

4.3 Risk of loss shall pass to Buyer upon delivery pursuant to Section 4.1, except that for export shipments from the U.S., risk of loss shall transfer to Buyer upon title passage.

4.4 If any Products to be delivered under this Contract or if any Buyer equipment repaired at Seller's facilities cannot be shipped to or received by Buyer or end user when ready due to any cause attributable to Buyer, its other contractors or the end user, Seller may ship the Products and equipment to a storage facility, including storage at the place of manufacture or repair, or to an agreed freight forwarder. If Seller places Products or equipment into storage, the following apply: (i) title and risk of loss immediately pass to Buyer, if they have not already passed, and delivery shall be deemed to have occurred; (ii) any amounts otherwise payable to Seller upon delivery or shipment shall be due; (iii) Seller will be entitled to invoice the Buyer the costs of transportation to the storage facilities plus a lumpsum amount of 0.5% of the Contract Price per full week (or prorata thereof) of storage with a minimum of USD 1000 (one thousand United States Dollars). Invoices shall be on a weekly basis starting the beginning of third week of storage until the shipment of the Products can be made ; and (iv) when conditions permit and upon payment of all amounts due, Seller shall make Products and repaired equipment available to Buyer for delivery. If the Contract requires Seller to submit drawings or other documents for approval by Buyer, Buyer shall review and issue its response (either approval or disapproval with reasons for disapproval detailed) within 10 days of Seller's submittal. If Buyer fails to provide a response within 10 days, the submittal shall be deemed approved.

4.5 If repair Services are to be performed on Buyer's equipment at Seller's facility, Buyer shall be responsible for, and shall retain risk of loss of, such equipment at all times, except that Seller shall be responsible for damage to the equipment while at Seller's facility to the extent such damage is caused by Seller's negligence.

5. Warranty

5.1 Seller warrants that Products shall be delivered free from defects in material, workmanship and title and that Services shall be performed in a competent, diligent manner in accordance with any mutually agreed specifications.

5.2 The warranty for Products shall expire one (1) year from first use or eighteen (18) months from delivery, whichever occurs first, except that software is warranted for ninety (90) days from delivery. The warranty for Services shall expire one (1) year after performance of the Service, except that software-related Services are warranted for ninety (90) days.

5.3 If Products or Services do not meet the above warranties, Buyer shall promptly notify Seller in writing prior to expiration of the warranty period. Seller shall (i) at its option, repair or replace defective Products and (ii) re-perform defective Services. If despite Seller's reasonable efforts, a non-conforming Product cannot be repaired or replaced, or non-conforming Services cannot be re-performed, Seller shall refund or credit monies paid by Buyer for such non-conforming Products and Services. Warranty repair, replacement or re-performance by Seller shall not extend or renew the applicable warranty period. Buyer shall obtain Seller's agreement on the specifications of any tests it plans to conduct to determine whether a non-conformance exists.

5.4 Buyer shall bear the costs of access for Seller's remedial warranty efforts (including removal and replacement of systems, structures or other parts of Buyer's facility), de-installation, decontamination, re-installation and transportation of defective Products to Seller and back to Buyer.

5.5 The warranties and remedies are conditioned upon (a) proper storage, installation (by properly certified installers or under the supervision of properly certified supervisors, if required), use, operation, and maintenance of Products, (b) Buyer keeping accurate and complete records of operation and maintenance during the warranty period and providing Seller access to those records, and (c) modifi-

cation or repair of Products or Services only as authorized by Seller in writing. Failure to meet any such conditions renders the warranty null and void. Seller is not responsible for normal wear and tear.

5.6 This Article 5 provides the exclusive remedies for all claims based on failure of or defect in Products or Services, regardless of when the failure or defect arises, and whether a claim, however described, is based on contract, warranty, indemnity, tort/extra-contractual liability (including negligence), strict liability or otherwise. The warranties provided in this Article 5 are exclusive and are in lieu of all other warranties, conditions and guarantees whether written, oral, implied or statutory. NO IMPLIED OR STATUTORY WARRANTY, OR WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE APPLIES.

6. Confidentiality

6.1 Seller and Buyer (as to information disclosed, the "Disclosing Party") may each provide the other party (as to information received, the "Receiving Party") with Confidential Information in connection with this Contract. "Confidential Information" means (a) information that is designated in writing as "confidential" or "proprietary" by Disclosing Party at the time of written disclosure, and (b) information that is orally designated as "confidential" or "proprietary" by Disclosing Party at the time of oral or visual disclosure and is confirmed to be "confidential" or "proprietary" in writing within twenty (20) days after the oral or visual disclosure. In addition, prices for Products and Services shall be considered Seller's Confidential Information.

6.2 Receiving Party agrees: (i) to use the Confidential Information only in connection with the Contract and use of Products and Services, (ii) to take reasonable measures to prevent disclosure of the Confidential Information to third parties, and (iii) not to disclose the Confidential Information to a competitor of Disclosing Party. Notwithstanding these restrictions, (a) Seller may disclose Confidential Information to its affiliates and subcontractors in connection with performance of the Contract, (b) a Receiving Party may disclose Confidential Information to its auditors, (c) Buyer may disclose Confidential Information to lenders as necessary for Buyer to secure or retain financing needed to perform its obligations under the Contract, and (d) a Receiving Party may disclose Confidential Information to any other third party with the prior written permission of Disclosing Party, and in each case, only so long as the Receiving Party obtains a non-disclosure commitment from any such subcontractors, auditors, lenders or other permitted third party that prohibits disclosure of the Confidential Information and provided further that the Receiving Party remains responsible for any unauthorized use or disclosure of the Confidential Information. Receiving Party shall upon request return to Disclosing Party or destroy all copies of Confidential Information except to the extent that a specific provision of the Contract entitles Receiving Party to retain an item of Confidential Information. Seller may also retain one archive copy of Buyer's Confidential Information.

6.3 The obligations under this Article 6 shall not apply to any portion of the Confidential Information that: (i) is or becomes generally available to the public other than as a result of disclosure by Receiving Party, its representatives or its affiliates; (ii) is or becomes available to Receiving Party on a non-confidential basis from a source other than Disclosing Party when the source is not, to the best of Receiving Party's knowledge, subject to a confidentiality obligation to Disclosing Party; (iii) is independently developed by Receiving Party, its representatives or affiliates, without reference to the Confidential Information; (iv) is required to be disclosed by law or valid legal process provided that the Receiving Party intending to make disclosure in response to such requirements or process shall promptly notify the Disclosing Party in advance of such disclosure and reasonably cooperate in attempts to maintain the confidentiality of the Confidential Information.

6.4 Each Disclosing Party warrants that it has the right to disclose the information that it discloses. Neither Buyer nor Seller shall make any public announcement about the Contract without prior written approval of the other party. As to any individual item of Confidential Information, the restrictions under this Article 6 shall expire five (5) years after the date of disclosure. Article 6 does not supersede any separate confidentiality or nondisclosure agreement signed by the parties.

7. Intellectual Property

7.1 Notwithstanding the provisions of section 4.2, Seller grants only a non-exclusive license, and does not pass title, to any Firmware and other software provided by Seller under this Contract, drawings and other documentation delivered for use of Buyer shall remain subject to ownership and/or intellectual property rights of Seller, as applicable and title to any leased equipment remains with Seller.

7.2 Seller shall defend and indemnify Buyer against any claim by a non-affiliated third party (a "Claim") alleging that Products or Services furnished under this Contract infringe a patent in effect in the U.S., an EU member state or the country of the Site (provided there is a corresponding patent issued by the U.S. or an EU member state), or any copyright or trademark registered in the country of the Site, provided that Buyer (a) promptly notifies Seller in writing of the Claim, (b) makes no admission of liability and does not take any position adverse to Seller, (c) gives Seller sole authority to control defense and settlement of the Claim, and (d) provides Seller with full disclosure and reasonable assistance as required to defend the Claim.

7.3 Section 7.2 shall not apply and Seller shall have no obligation or liability with respect to any Claim based upon (a) Products or Services that have been modified, or revised, (b) the combination of any Products or Services with other products or services when such

combination is a basis of the alleged infringement, (c) failure of Buyer to implement any update provided by Seller that would have prevented the Claim, (d) unauthorized use of Products or Services, or (e) Products or Services made or performed to Buyer's specifications.

7.4 Should any Product or Service, or any portion thereof, become the subject of a Claim, Seller may at its option (a) procure for Buyer the right to continue using the Product or Service, or applicable portion thereof, (b) modify or replace it in whole or in part to make it non-infringing, or (c) failing (a) or (b), take back infringing Products or Services and refund the price received by Seller attributable to the infringing Products or Services.

7.5 Article 7 states Seller's exclusive liability for intellectual property infringement by Products and Services.

7.6 Each party shall retain ownership of all Confidential Information and intellectual property it had prior to the Contract. All rights in and to Firmware and software not expressly granted to Buyer are reserved by Seller. All new intellectual property conceived or created by Seller in the performance of this Contract, whether alone or with any contribution from Buyer, shall be owned exclusively by Seller. Buyer agrees to deliver assignment documentation as necessary to achieve that result.

8. Indemnity

Each of Buyer and Seller (as an "Indemnifying Party") shall indemnify the other party (as an "Indemnified Party") from and against claims brought by a third party, on account of personal injury or damage to the third party's tangible property, to the extent caused by the negligence of the Indemnifying Party in connection with this Contract. In the event the injury or damage is caused by joint or concurrent negligence of Buyer and Seller, the loss or expense shall be borne by each party in proportion to its degree of negligence. For purposes of Seller's indemnity obligation, no part of the Products or Site is considered third party property.

9. Insurance

During the term of the Contract, Seller shall maintain for its protection the following insurance coverage: (i) Worker's Compensation, Employer's Liability and other statutory insurance required by law with respect to work related injuries or disease of employees of Seller in such form(s) and amount(s) as required by applicable laws; (ii) Automobile Liability insurance with a combined single limit of \$2,500,000.00; and (iii) Commercial General Liability or Public Liability insurance for bodily injury and property damage with a combined single limit of \$2,500,000.00. If required in the Contract, Seller shall provide a certificate of insurance reflecting such coverage.

10. Excusable Events

Seller shall not be liable or considered in breach of its obligations under this Contract to the extent that Seller's performance is delayed or prevented, directly or indirectly, by any cause beyond its reasonable control, or by armed conflict, acts or threats of terrorism, epidemics, pandemics, strikes or other labor disturbances, or acts or omissions of any governmental authority or of the Buyer or Buyer's contractors or suppliers. If an excusable event occurs, the schedule for Seller's performance shall be extended by the amount of time lost by reason of the event plus such additional time as may be needed to overcome the effect of the event. If acts or omissions of the Buyer or its contractors or suppliers cause the delay, Seller shall also be entitled to an equitable price adjustment.

Buyer recognizes that in case of epidemics or pandemics (or evolution of existing epidemics or pandemics), the precautionary, mitigation or corrective measures implemented by the Seller in the frame of the Contract are implemented in the best interest of the Buyer and the Contract performance, and the Buyer and Seller both agree that the additional costs reasonably incurred by Seller in implementing such measures shall be compensated by the Buyer to the Seller.

11. Termination and Suspension

11.1 Buyer may terminate the Contract (or the portion affected) for cause if Seller (i) becomes Insolvent/Bankrupt, or (ii) commits a material breach of the Contract which does not otherwise have a specified contractual remedy, provided that: (a) Buyer shall first provide Seller with detailed written notice of the breach and of Buyer's intention to terminate the Contract, and (b) Seller shall have failed, within 30 days after receipt of the notice, to commence and diligently pursue cure of the breach.

11.2 If Buyer terminates the Contract pursuant to Section 11.1, (i) Seller shall reimburse Buyer the difference between that portion of the Contract Price allocable to the terminated scope and the actual amounts reasonably incurred by Buyer to complete that scope, and (ii) Buyer shall pay to Seller (a) the portion of the Contract Price allocable to Products completed, (b) lease fees incurred, and (c) amounts for Services performed before the effective date of termination. The amount due for Services shall be determined in accordance with the milestone schedule (for completed milestones) and rates set forth in the Contract (for work toward milestones not yet achieved and where there is no milestone schedule), as applicable or, where there are no milestones and/or rates in the Contract, at Seller's then-current standard time and material rates.

11.3 Seller may suspend or terminate the Contract (or any affected portion thereof) immediately for cause if Buyer (i) becomes Insolvent/Bankrupt, or (ii) materially breaches the Contract, including, but not limited to, failure or delay in Buyer providing Payment Security, making any payment when due, or fulfilling any payment conditions.

11.4 If the Contract (or any portion thereof) is terminated for any reason other than Seller's default under Section 11.1, Buyer shall pay Seller for all Products completed, lease fees incurred and Services performed before the effective date of termination, plus expenses reasonably incurred by Seller in connection with the termination. The amount due for Services shall be determined in accordance with the milestone schedule (for completed milestones) and rates set forth in the Contract (for work toward milestones not yet achieved and where there is no milestone schedule), as applicable or, where there are no milestones and/or rates in the Contract, at Seller's then-current standard time and material rates. In addition, Buyer shall pay Seller a cancellation charge equal to 80% of the Contract Price applicable to uncompleted made-to-order Products and 15% of the Contract Price applicable to all other uncompleted Products or Services.

11.5 Either Buyer or Seller may terminate the Contract (or the portion affected) upon twenty (20) days advance notice if there is an excusable event (as described in Article 10) lasting longer than ninety (90) days or such other period agreed upon in writing. In such case, Buyer shall pay to Seller amounts payable under Section 11.4, provided that Buyer's payments shall include the cancellation charge for uncompleted Products if the excusable event(s) leading to the termination included an act or omission of the Buyer or Buyer's contractors or suppliers but Buyer shall not be required to pay the cancellation charge if the excusable event(s) leading to termination did not include any act or omission of the Buyer or Buyer's contractors or suppliers.

11.6 Buyer shall pay all reasonable expenses incurred by Seller in connection with a suspension, including, but not limited to, expenses for repossession, fee collection, demobilization/remobilization, and costs of storage during suspension. The schedule for Seller's obligations shall be extended for a period of time reasonably necessary to overcome the effects of any suspension.

12. Compliance with Laws and Regulations

12.1 Seller shall comply with laws applicable to the manufacture of Products and its performance of Services. Buyer shall comply with laws applicable to the purchase, application, operation, use and disposal of the Products and Services, including without limitation those regarding anticorruption/antibribery, fair competition (antitrust), and environment, health and safety (EHS). Buyer acknowledges it had access, reviewed, and fully understands GE's Integrity Policies. Seller shall at all times comply with the GE Integrity Policies. The GE Integrity Policies can be accessed electronically at https://www.ge.com/sites/default/files/S&L_Booklet_English_0.pdf

12.2 Seller's obligations are conditioned upon Buyer's compliance with all US, EU, UK and other applicable trade control laws and regulations. Buyer shall not trans-ship, re-export, divert or direct or otherwise make or allow any disposition of equipment, materials, services, technology, technical data, software, or other information or assistance or Product furnished by the Seller under the Contract other than in and to the ultimate country of destination declared by Buyer and specified as the country of ultimate destination on Seller's invoice. The Buyer hereby certifies that the equipment, materials, services, technology, technical data, software, or other information or assistance or product furnished by the Seller under the Contract will not be used in the design, development, production, stockpiling or use of chemical, biological, or nuclear weapons. The Buyer shall also ensure that the bank or financial institution or other entity executing any payments or financial transactions under the Contract on behalf of the Buyer (including without limitation the issuance of any payment securities such as a letter of credit) is not subject to any export regulation prohibiting to do business with such bank, financial institution or entity. Should the Buyer fail to comply with any of the obligations as specified above, the Seller may, without prejudice to the exercise of any other rights or remedies which may be available to it, terminate the Contract by giving the Buyer notice in writing to that effect. In the event of a change in applicable trade control laws and regulations, including but not limited to the laws of the US, EU and UK and changes in the interpretation thereof, or in the event an authorization pursuant to said laws is either denied, revoked, withdrawn or cancelled at any time, preventing the Seller from executing its obligations without breaching such applicable trade control laws and regulations or makes Seller's execution of its obligations unreasonably burdensome or unbalanced, Seller shall have the right without incurring liability to the Buyer to (i) withdraw its proposal, or either (ii) suspend its performance of the Contract or terminate the Contract. If the suspension lasts more than four (4) months, any of the Parties shall have the right to terminate the Contract by giving the other Party notice in writing to that effect.

12.3 Notwithstanding any other provision, Buyer shall timely obtain, effectuate and maintain in force any required permit, license, exemption, filing, registration and other authorization, including, but not limited to, building and environmental permits, import licenses, environmental impact assessments, and foreign exchange authorizations, required for the lawful performance of Services at the Site or fulfillment of Buyer's obligations, except that Seller shall obtain any license or registration necessary for Seller to generally conduct business and visas or work permits, if any, necessary for Seller's personnel. Buyer shall provide reasonable assistance to Seller in obtaining such visas and work permits.

13. Environmental, Health and Safety Matters

13.1 Buyer shall maintain safe working conditions at the Site, including, without limitation, implementing appropriate procedures regarding Hazardous Materials, confined space entry, and energization and de-energization of power systems (electrical, mechanical and hydraulic) using safe and effective lock-out/tag-out ("LOTO") procedures including physical LOTO or a mutually agreed upon alternative method.

13.2 Buyer shall timely advise Seller in writing of all applicable Site-specific health, safety, security and environmental requirements and procedures. Without limiting Buyer's responsibilities under Article 13, Seller has the right but not the obligation to, from time to time, review and inspect applicable health, safety, security and environmental documentation, procedures and conditions at the Site.

13.3 If, in Seller's reasonable opinion, the health, safety, or security of personnel or the Site is, or is apt to be, imperiled by security risks, terrorist acts or threats, the presence of or threat of exposure to Hazardous Materials, or unsafe working conditions, Seller may, in addition to other rights or remedies available to it, evacuate some or all of its personnel from Site, suspend performance of all or any part of the Contract, and/or remotely perform or supervise work. Any such occurrence shall be considered an excusable event. Buyer shall reasonably assist in any such evacuation.

13.4 Operation of Buyer's equipment is the responsibility of Buyer. Buyer shall not require or permit Seller's personnel to operate Buyer's equipment at Site.

13.5 Buyer will make its Site medical facilities and resources available to Seller personnel who need medical attention.

13.6. Seller has no responsibility or liability for the pre-existing condition of Buyer's equipment or the Site. Prior to Seller starting any work at Site, Buyer will provide documentation that identifies the presence and condition of any Hazardous Materials existing in or about Buyer's equipment or the Site that Seller may encounter while performing under this Contract. Buyer shall disclose to Seller industrial hygiene and environmental monitoring data regarding conditions that may affect Seller's work or personnel at the Site. Buyer shall keep Seller informed of changes in any such conditions.

13.7 Seller shall notify Buyer if Seller becomes aware of: (i) conditions at the Site differing materially from those disclosed by Buyer, or (ii) previously unknown physical conditions at Site differing materially from those ordinarily encountered and generally recognized as inherent in work of the character provided for in the Contract. If any such conditions cause an increase in Seller's cost of, or the time required for, performance of any part of the work under the Contract, an equitable adjustment in price and schedule shall be made.

13.8 If Seller encounters Hazardous Materials in Buyer's equipment or at the Site that require special handling or disposal, Seller is not obligated to continue work affected by the hazardous conditions. In such an event, Buyer shall eliminate the hazardous conditions in accordance with applicable laws and regulations so that Seller's work under the Contract may safely proceed, and Seller shall be entitled to an equitable adjustment of the price and schedule to compensate for any increase in Seller's cost of, or time required for, performance of any part of the work. Buyer shall properly store, transport and dispose of all Hazardous Materials introduced, produced or generated in the course of Seller's work at the Site.

~~13.9 Buyer shall indemnify Seller for any and all claims, damages, losses, and expenses arising out of or relating to any Hazardous Materials which are or were (i) present in or about Buyer's equipment or the Site prior to the commencement of Seller's work, (ii) improperly handled or disposed of by Buyer or Buyer's employees, agents, contractors or subcontractors, or (iii) brought, generated, produced or released on Site by parties other than Seller.~~

14. Changes

14.1 Each party may at any time propose changes in the schedule or scope of Products or Services. Seller is not obligated to proceed with any change until both parties agree upon such change in writing. The written change documentation will describe the changes in scope and schedule, and the resulting changes in price and other provisions, as agreed.

14.2 The scope, Contract Price, schedule, and other provisions will be equitably adjusted to reflect additional costs or obligations incurred by Seller resulting from a change, after Seller's proposal date, in Buyer's Site-specific requirements or procedures, or in industry specifications, codes, standards, applicable laws or regulations. However, no adjustment will be made on account of a general change in Seller's manufacturing or repair facilities resulting from a change in laws or regulations applicable to such facilities. Unless otherwise agreed by the parties, pricing for additional work arising from such changes shall be at Seller's time and material rates.

14.3 It shall be acceptable and not considered a change if Seller delivers a Product that bears a different, superseding or new part or version number compared to the part or version number listed in the Contract.

15. Limitations of Liability

15.1 The total liability of Seller for all claims of any kind arising from or related to the formation, performance or breach of this Contract, or any Products or Services, shall not exceed the (i) Contract Price, or (ii) if Buyer places multiple order(s) under the Contract, the price of each particular order for all claims arising from or related to that order and ten thousand US dollars (US \$10,000) for all claims not part of any particular order.

15.2 Seller shall not be liable for loss of profit or revenues, loss of use of equipment or systems, interruption of business, cost of replacement power, cost of capital, downtime costs, increased operating costs, any special, consequential, incidental, indirect, or punitive damages, or claims of Buyer's customers for any of the foregoing types of damages.

15.3 All Seller liability shall end upon expiration of the applicable warranty period, provided that Buyer may continue to enforce a claim for which it has given notice prior to that date by commencing an action or arbitration, as applicable under this Contract, before expiration of any statute of limitations or other legal time limitation but in no event later than one year after expiration of such warranty period.

15.4 Seller shall not be liable for advice or assistance that is not required for the work scope under this Contract.

15.5 If Buyer is supplying Products or Services to a third party, or using Products or Services at a facility owned by a third party, Buyer shall either (i) indemnify and defend Seller from and against any and all claims by, and liability to, any such third party in excess of the limitations set forth in this Article 15, or (ii) require that the third party agree, for the benefit of and enforceable by Seller, to be bound by all the limitations included in this Article 15.

15.6 For purposes of this Article 15, the term "Seller" means Seller, its affiliates, subcontractors and suppliers of any tier, and their respective employees. The limitations in this Article 15 shall apply regardless of whether a claim is based in contract, warranty, indemnity, tort/extra-contractual liability (including negligence), strict liability or otherwise, and shall prevail over any conflicting terms, except to the extent that such terms further restrict Seller's liability.

16. Governing Law and Dispute Resolution

16.1 This Contract shall be governed by and construed in accordance with the laws of (i) the State of New York if Buyer's place of business is in the U.S. or (ii) England and Wales if the Buyer's place of business is outside the U.S., in either case without giving effect to any choice of law rules that would cause the application of laws of any other jurisdiction (the "Governing Law"). If the Contract includes the sale of Products and the Buyer is outside the Seller's country, the United Nations Convention on Contracts for the International Sale of Goods shall apply.

16.2 In the event of any dispute arising out of or in connection with this Contract, including any question regarding its existence or validity, the parties agree to submit the matter to mediation under the ICC mediation Rules, without prejudice to either party's right to seek emergency, interim or conservatory measures of protection at any time.

If the dispute has not been settled pursuant to the ICC Mediation Rules within thirty (30) days following the filing of a request for Mediation or within such other period as the parties may agree in writing, such dispute shall be finally settled under the Rules of Arbitration of the International Chamber of Commerce by one or more arbitrators appointed in accordance with the said Rules of Arbitration. In case the arbitral tribunal is constituted of more than one arbitrator, the party-appointed arbitrators shall, for a period of two (2) weeks following the date on which their appointments have both been confirmed, attempt to reach agreement on the president of the arbitral tribunal. For this purpose, the arbitrators may communicate with the parties on an *ex-parte* basis.

If the two arbitrators are unable to agree upon the third, upon request of either Buyer or Seller, the President of the ICC shall appoint the third.

The seat, or legal place, of the mediation and arbitration shall be Geneva, Switzerland.

The language to be used in the mediation and in the arbitration shall be the English language.

The parties' written submissions shall, to the extent possible, contain all arguments and supporting materials on fact, law and damages, including all exhibits on which each party intends to rely, supporting witness statements, expert reports and legal authorities.

17. Inspection and Factory Tests

Seller will apply its normal quality control procedures in manufacturing Products and perform any factory tests in accordance with Seller's standard procedures. Seller shall attempt to accommodate requests by Buyer to witness Seller's factory tests of Products, subject to appropriate access restrictions, if such witnessing can be arranged without delaying the work. Travel and living expenses of Buyer personnel to witness such tests shall be borne by Buyer. Unless otherwise agreed, failure by the Buyer or its representative to attend the factory tests on the scheduled date shall entitle the Seller to proceed with such factory tests alone and the Seller shall promptly share the results of such tests with the Buyer. In the event the factory tests or any other tests to be performed under the Contract cannot be either witnessed or performed (as the case may be) by the Buyer for any reason (including as a consequence of any pandemic) and the Buyer cannot delegate any third party to represent it, or to perform the tests in its name and on its behalf, the Seller may propose to the Buyer alternate measures in order to avoid delaying the testing, including but not limited to the use of electronic messaging services such as Skype, Teams or equivalent, recording devices such as cameras, and a distribution of results via electronic storage media such as DVD or streamed videos. The Buyer and the Seller shall make their best efforts to agree on such measures with a view not to delay the testing of the Products. If despite reasonable alternate measures proposed by the Seller, the Buyer instructs the Seller to suspend or postpone the performance of the tests, the Seller shall, notwithstanding anything to the contrary in the Contract, be entitled to a reasonable exten-

sion of the time for completion and compensation by the Buyer for the additional costs incurred as a result of the suspension or postponement of the affected tests.

18. Firmware, Software, Leased Equipment, Remote Diagnostic Services, PCB Services

Seller grants Buyer a non-exclusive license to use Firmware solely in connection with use of the Product for which the Firmware is provided by Seller. Buyer shall not sublicense, assign, or otherwise transfer the license to use the Firmware to any third party, except with that specific Product and to the extent such transfer is not otherwise restricted by the Contract. If Seller provides any software to Buyer other than Firmware, the Software License Addendum shall apply. If Seller leases any of Seller's equipment or provides related Services to Buyer, including placing Seller's equipment at Buyer's site to provide remote Services, the Lease Addendum shall apply. If Seller provides remote diagnostic services to Buyer, the Remote Diagnostic Services Addendum shall apply. If Seller provides PCB Services to Buyer, the PCB Services Addendum shall apply. If there is any conflict between these "Terms and Conditions for the Sale of Products and Services, Form EM 104" and the terms of any addendum incorporated pursuant to this Article 18, the terms of the addendum shall take precedence with respect to the applicable scope.

19. General Clauses

19.1 Products and Services sold by Seller are not intended for use in connection with any nuclear facility or activity, and Buyer warrants that it shall not use or permit others to use Products or Services for such purposes, without the advance written consent of Seller. If, in breach of this, any such use occurs, Seller (and its parent, affiliates, suppliers and subcontractors) disclaims all liability for any nuclear or other damage, injury or contamination, and, in addition to any other rights of Seller, Buyer shall indemnify and hold Seller (and its parent, affiliates, suppliers and subcontractors) harmless against all such liability. Consent of Seller to any such use, if any, will be conditioned upon additional terms and conditions that Seller determines to be acceptable for protection against nuclear liability.

19.2 Seller may assign or novate its rights and obligations under the Contract, in whole or in part, to any of its affiliates or may assign any of its accounts receivable under this Contract to any party without Buyer's consent. Buyer agrees to execute any documents that may be necessary to complete Seller's assignment or novation. Seller may subcontract portions of the work, so long as Seller remains responsible for it. The delegation or assignment by Buyer of any or all of its rights or obligations under the Contract without Seller's prior written consent (which consent shall not be unreasonably withheld) shall be void.

19.3 Buyer shall notify Seller immediately upon any change in ownership of more than fifty percent (50%) of Buyer's voting rights or of any controlling interest in Buyer. If Buyer fails to do so or Seller objects to the change, Seller may (a) terminate the Contract, (b) require Buyer to provide adequate assurance of performance (including but not limited to payment), and/or (c) put in place special controls regarding Seller's Confidential Information.

19.4 If any Contract provision is found to be void or unenforceable, the remainder of the Contract shall not be affected. The parties will endeavor to replace any such void or unenforceable provision with a new provision that achieves substantially the same practical and economic effect and is valid and enforceable.

19.5 The following Articles shall survive termination or cancellation of the Contract: 2, 3, 4, 5, 6, 7, 8, 10, 11, 12, 13, 15, 16, 18, 19 and 20.

19.6 The Contract represents the entire agreement between the parties. No oral or written representation or warranty not contained in this Contract shall be binding on either party. Buyer's and Seller's rights, remedies and obligations arising from or related to Products and Services sold under this Contract are limited to the rights, remedies and obligations stated in this Contract. No modification, amendment, rescission or waiver shall be binding on either party unless agreed in writing.

19.7 Except as provided in Article 15 (Limitations of Liability) and in Section 19.1 (no nuclear use), this Contract is only for the benefit of the parties, and no third party shall have a right to enforce any provision of this Contract, whether under the English Contracts (Rights of Third Parties) Act of 1999 or otherwise.

19.8 This Contract may be signed in multiple counterparts that together shall constitute one agreement. If permitted by applicable laws, the Contract may be signed by the parties using certified digital signature tools such as DocuSign, or any other agreed upon certified means.

20. US Government Contracts

20.1 This Article 20 applies only if the Contract is for the direct or indirect sale to any agency of the U.S. government and/or is funded in whole or in part by any agency of the U.S. government.

20.2 Buyer agrees that all Products and Services provided by Seller meet the definition of "commercial-off-the-shelf" ("COTS") or "commercial item" as those terms are defined in Federal Acquisition Regulation ("FAR") 2.101. Unless otherwise specifically stated by Seller

in this Contract, Seller makes no representation or warranty as to the country of origin of Products. Buyer agrees any Services offered by Seller are exempt from the Service Contract Act of 1965 (FAR 52.222-41). The version of any applicable FAR clause listed in this Article 20 shall be the one in effect on the effective date of this Contract.

20.3 If Buyer is an agency of the U.S. Government, then as permitted by FAR 12.302, Buyer agrees that all paragraphs of FAR 52.212-4 (except those listed in 12.302(b)) are replaced with these Terms and Conditions. Buyer further agrees the subparagraphs of FAR 52.212-5 apply only to the extent applicable for sale of COTS and/or commercial items and as appropriate for the Contract Price.

20.4 If Buyer is procuring the Products or Services as a contractor, or subcontractor at any tier, on behalf of any agency of the U.S. Government, then Buyer agrees that FAR 52.212-5(e) or 52.244-6 (whichever is applicable) applies only to the extent applicable for sale of COTS and/or commercial items and as appropriate for the Contract Price.



City of Bentonville, Arkansas Agenda Item Form

Item Details

Council Meeting Date:		Submitted By:	
Phone:		For Department(s):	
Email:			

Item Type (Check all that apply)

Informational	Bid Award	Enter into an Agreement	Change Order
Recognizing Funds	Budget Adjustment	Waiver of Bid	Emergency Clause
Ordinance	Resolution		Informational

Title, Recommendation & Justification

Title:	
Action Recommendation & Justification:	
Additional Comments for Consideration (Optional):	

Amount for Approval:	\$
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Budget Impact

Is this Item Budgeted? YES NO ITEM HAS NO COST OTHER: _____

Budget Adjustment (to be completed by Finance when applicable)

Account Number (ORG-OBJECT)	Account Description	Expense	Revenue
		\$	\$
Account Number (ORG-OBJECT)	Account Description	Expense	Revenue
		\$	\$
Account Number (ORG-OBJECT)	Account Description	Expense	Revenue
		\$	\$
Account Number (ORG-OBJECT)	Account Description	Expense	Revenue
		\$	\$

Fund(s) Impacted

(check all that apply)

General Fund

Utility Fund

Street Fund

Other(s): _____

Budget Impact Notes for Consideration (Optional):

City of Bentonville, Arkansas

City Hall

305 SW A Street Bentonville, AR 72712



Administrative Services
Purchasing and Compliance Department
1000 SW 14th Street
Bentonville, AR 72712

CITY OF BENTONVILLE, ARKANSAS

City Hall
305 SW A Street
Bentonville, AR 72712

SERVICE CONTRACT: 15KV Underground Primary Cable

THIS CONTRACT is made in Benton County, Arkansas, by and between the City of Bentonville, Arkansas, hereinafter “City,” and Stuart Irby, hereinafter “Contractor” (collectively, the “Parties”), Witnesseth:

1. DESCRIPTION. This Contract has been awarded to Contractor as a result of Contractor’s Quote (attached hereto as **Exhibit B**) to the City’s Invitation for Quotes, for the purchase and delivery of 750 underground wire, as specified in the Scope of Work (attached hereto as **Exhibit A**). The work shall consist of performing the services, including all equipment, materials, products and all other items necessary to perform the work, as set forth in this Contract and **Exhibit A**.

2. PRIMARY CONTACTS. The primary contact for the Contractor shall be _____ . The primary contact for the City shall be the City of Bentonville Electric Utilities Director, or designated assignee.

3. CONTRACT TERM. The term for this Contract shall be one (1) year, commencing on the effective date of this Contract.

a. Effective Date: The Effective Date of this Contract shall be defined as the executed date on the Signature Page of this Contract.

b. Service Timeline:

1. Order for 750 Underground Wire per the unit prices attached herein, shall be placed by Contractor immediately following Purchase Order received from the City.
2. Contractor shall deliver the order to the City within forty-six (46) weeks from the date of the order being placed.

c. Any changes to the Term of this Contract or to the Service Timeline shall be agreed upon by the Parties in writing and shall be in accordance with this Contract and all applicable procurement laws and the City of Bentonville Purchasing Policy.



4. WORK PROCEDURES. All work procedures shall be in accordance with this Contract and with the Exhibits attached hereto.

a. Specifications. All work shall be performed in accordance with industry standards and best practices, and as specified in this Contract and in the Exhibits attached hereto.

b. Change Orders. Any changes to the Scope of Work shall be handled via Change Order to this Contract. No Change Order shall be approved unless approved in writing by the City. All Change Orders must be pre-approved prior to any work commencing, any materials being purchased, or any other fee being incurred related to the Change Order. The City shall not be responsible for Change Orders unless the Change Order is pre-approved in writing by the City.

1. Owner's (City's) Contingency: Not applicable

c. Unsatisfactory Results. Contractor agrees to remedy any unsatisfactory results, within the terms of this Contract.

d. General. The Contractor shall conduct their operations in such a manner that does not cause damage to property owned by the City or other individual. In the event damage occurs, Contractor shall replace or repair the damaged area(s) or item(s) at no cost to the City and as directed by the City. In the event that Contractor fails to make the necessary repairs, the City may use City staff or outside vendors to repair any damage. Any costs the City incurs for repairing damage or replacing items resulting from Contractor's operations may be deducted from monies due to Contractor.



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Purchasing and Compliance Department
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Bentonville, AR 72712

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5. FEES, EXPENSES, AND SCHEDULE. The City agrees to pay Contractor based upon the unit price as defined herein, for actual work performed or material stored on-site. Contractor agrees to only perform the type of services outlined in this Contract and the Exhibit attached hereto. Fees and contingencies shall be as follows:

a. Total Fee for Services: \$144,531.12 (one hundred forty-four thousand five hundred thirty-one dollars and twelve cents), plus applicable taxes to perform the work to 100% completion.

b. Owner's Contingency: Not applicable

6. ADDITIONAL SERVICES. Any service outside of the services stated herein and in the Exhibit attached hereto, must be pre-approved by the City, in writing, and in accordance with the City of Bentonville Purchasing Policy prior to any additional work proceeding.

7. INVOICING. Contractor shall submit an invoice (or Pay Application), for work performed or materials stored on-site, to the City's Contact for review. Invoices approved for payment will be processed by the City. Payment will only be made for actual work completed and approved by the City's Contact.

a. The Contractor may choose to submit progress invoices (for actual work performed or materials stored on site) or one invoice after 100% completion.

8. PAYMENT.

a. Inaccurate Invoicing. In the event that the City becomes credibly informed that any representations of Contractor provided in its invoicing are wholly or partially inaccurate, the City may withhold payment of sums then, or in the future, otherwise due to Contractor until the inaccuracy and the cause thereof is corrected to the City's reasonable satisfaction.

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Administrative Services
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b. Service Failure. In the event of a service failure, where the service performed is not in accordance with the specifications set forth by the City, or otherwise not in accordance with this Contract, the City may withhold sums otherwise due to Contractor that are specifically for the area in which the service failure occurred, until correction of the service failure is confirmed. In the event that Contractor fails to correct the service failure within forty-eight (48) hours of being notified, or if the Contractor fails to correct the service failure in a manner which brings the work into specification as approved by the City's contact, the City reserves the right to cancel the Contract immediately.

9. TERMINATION FOR LACK OF FUNDS. If, for whatever reason, adequate funding is not made available by City to support or justify continuation of the level of services to be provided by Contractor under this Contract, City may terminate or reduce the amount of services to be provided by Contractor under this Contract. In such event, City will notify Contractor in writing at least thirty (30) days in advance of such termination or reduction of services for lack of funds.

10. DISPUTE RESOLUTION. City and Contractor agree that disputes relative to the Services will first be addressed by negotiations between the Parties. If direct negotiations fail to resolve the dispute, the Party initiating the claim that is the basis for the dispute may take such steps as it deems necessary to protect its interests; provided, however, that notwithstanding any such dispute, Contractor will proceed with the services as per this Contract as if no dispute existed, and City will continue to make payment for Contractor's completed services; and provided further that no dispute will be submitted to arbitration without both Parties' express written consent.

11. SUBCONTRACTING. Contractor may not subcontract or assign any of the services to be performed under this Contract without first obtaining the written approval of the City. Any Subcontractor approved by the City must be fully licensed and insured to perform the work.

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12. INSURANCE. Contractor shall purchase and maintain, at minimum, such insurance as defined herein and furnish Certificates of Insurance to the City naming the City of Bentonville as additionally insured. The insurance shall be appropriate for the performance of the work, as described herein, and shall provide protection from damage occurring to City owned property and from, and any other claims which may arise out of or result from the Contractor's performance of the work; whether it is to be performed by the Contractor, any subcontractor or supplier, or by anyone directly or indirectly employed by any of them to perform any of the work, or by anyone for whose acts any of them may be liable:

The policies of insurance required are as follows:

- 1) Workers' Compensation:
 - a. State: Statutory
 - b. Applicable Federal: Statutory
- 2) Comprehensive or Commercial General Liability: \$1,000,000.00 – Each Occurrence

In the event that any interruption or change in insurance coverage may occur, the Contractor shall provide the City with thirty (30) days written notice of any such interruptions or changes. Failure to maintain the required insurance will result in the direct breach of this Contract and subsequent termination.

13. INDEMNIFICATION AND HOLD HARMLESS. For purposes of this Contract, Contractor agrees to indemnify, defend and hold harmless the City, its officers, appointees, employees, and agents from any and all loss, damage, liability or expense, of any nature whatsoever caused or incurred as a result of the negligence or other actionable fault of Contractor, its affiliates, subsidiaries, employees, agents, assignees, and subcontractors and their respective employees and agents. Contractor is not required hereunder to defend the City, its officers, appointees, employees, or agents from assertions that they were negligent, nor to indemnify and hold them harmless from liability based on the City's negligence.

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Administrative Services
Purchasing and Compliance Department
1000 SW 14th Street
Bentonville, AR 72712

CITY OF BENTONVILLE, ARKANSAS

City Hall
305 SW A Street
Bentonville, AR 72712

14. SAFETY AND SUPERVISION. The Contractor shall be solely responsible for the safety, supervision and direction of Contractor's employees and personnel while performing the work pertaining to this Contract. The Contractor shall utilize their best skills and general industry best practices to ensure a safe work environment for the Contractor, Contractor's employees and personnel, and the civilians that may be located within work site(s) at the time when work is being performed. The Contractor shall, at all times, enforce strict discipline and good order among his employees and personnel, and shall not employ or contract any person to perform the services to be provided to the City that is not skilled or is unfit for providing such services.

15. TAXES, LICENSES AND PERMITS. The Contractor shall pay all Local, State and Federal taxes required by law and shall secure all permits and licenses necessary for the execution of the services described herein.

16. DAMAGES. All operations pertaining to the services described herein shall be confined to the areas awarded to Contractor as set forth herein and as are described in the Exhibit attached hereto, unless otherwise permitted by written communication from the City. The Contractor shall be solely liable for any damages caused by Contractor, or Contractor's employees or personnel, to such premises or otherwise in performance of this Contract.

17. ENTIRE CONTRACT. This Contract, including all documents and Exhibits included by reference herein, constitutes the entire Contract between the Parties and supersedes all prior agreements, whether oral or written, covering the same subject matter. This Contract may not be modified or amended except in writing mutually agreed upon and accepted by both Parties to this Contract.

18. NO THIRD PARTY BENEFICIARIES. Nothing contained herein will create a contractual relationship with, or any rights in favor of, any Third Party.

19. INDEPENDENT CONTRACTOR. Contractor is an independent contractor and is not an agent or employee of City.

20. COMPLIANCE WITH LAWS. Contractor will abide by all applicable federal, state and local laws, ordinances and regulations applicable at the time the services are rendered.



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21. APPLICABLE LAW, JURISDICTION, VENUE. Interpretation of this Contract and disputes arising out of or related to this Contract will be subject to and governed by the laws of the State of Arkansas. Jurisdiction and venue for any suit arising out of or related to this Contract will be in the District Court of Benton County, Arkansas.

22. SEVERABILITY. If any provision of this Contract is determined to be void, invalid, unenforceable or illegal for whatever reason, such provision(s) will be null and void; provided, however, that the remaining provisions of this Contract will be unaffected and will continue to be valid and enforceable.

23. AMBIGUITY. If any ambiguity, inconsistency or conflict arises in the interpretation of this Contract, the same will be resolved by reference to the terms and conditions of this Contract.

[Signature Page Follows]



Administrative Services
Purchasing and Compliance Department
1000 SW 14th Street
Bentonville, AR 72712

CITY OF BENTONVILLE, ARKANSAS

City Hall
305 SW A Street
Bentonville, AR 72712

SIGNATURE PAGE

The Parties hereto have caused this Contract to be executed this
_____ (effective date).

CITY OF BENTONVILLE, ARKANSAS

By: _____
Stephanie Orman, Mayor

By: _____
(Signature)

**By signing this Contract, Signor attests that they are
authorized to bind this Company to this Contract.*

Name (printed): _____

Title: _____

Stuart Irby

Address: _____

Date: _____



Administrative Services
Purchasing and Compliance Department
1000 SW 14th Street
Bentonville, AR 72712

CITY OF BENTONVILLE, ARKANSAS

City Hall
305 SW A Street
Bentonville, AR 72712

EXHIBIT A

SCOPE OF WORK



Administrative Services
Purchasing and Compliance Department
1000 SW 14th Street
Bentonville, AR 72712

CITY OF BENTONVILLE, ARKANSAS

City Hall
305 SW A Street
Bentonville, AR 72712

SCOPE OF WORK

The purchase and delivery of 750 1/3 Neutral AL underground wire. The Contractor will be responsible for supplying high-quality, durable wire suitable for underground installation. Delivery must be made to the specified location within the agreed-upon timeframe.

Location: Inventory Department - 501 SW 28th Street Bentonville, AR 72712

Lead time: 46 Weeks

Estimated quantity to be ordered: 10,443'



Administrative Services
Purchasing and Compliance Department
1000 SW 14th Street
Bentonville, AR 72712

CITY OF BENTONVILLE, ARKANSAS

City Hall
305 SW A Street
Bentonville, AR 72712

EXHIBIT B

QUOTE FORM



**City of Bentonville Electric Utilities Department
15KV Underground Primary Cable
Quote Form**

<u>BEUD Inventory Part Number</u>	<u>Wire Size</u>	<u>Feet Required</u>	<u>Price Per Foot - lrby</u>	<u>Extended Price</u>	<u>Lead Time</u>
2192	750 1/3 Neutral AL	2094	\$13.84	\$28,980.96	46 weeks
		2115	\$13.84	\$29,271.60	46 weeks
		1776	\$13.84	\$24,579.84	46 weeks
		2316	\$13.84	\$32,053.44	46 weeks
		2142	\$13.84	\$29,645.28	46 weeks
		total: 10,443'		\$144,531.12	
Total Price for All Line Items					

<u>AECI</u>	<u>Techline</u>
\$14.75	\$19.65
\$14.75	\$19.65
\$14.75	\$19.65
\$14.75	\$19.65
\$14.75	\$19.65
lead time 46 weeks	wire does not meet spec



City of Bentonville, Arkansas Agenda Item Form

Item Details

Council Meeting Date:		Submitted By:	
Phone:		For Department(s):	
Email:			

Item Type (Check all that apply)

Informational	Bid Award	Enter into an Agreement	Change Order
Recognizing Funds	Budget Adjustment	Waiver of Bid	Emergency Clause
Ordinance	Resolution		Informational

Title, Recommendation & Justification

Title:	
Action Recommendation & Justification:	
Additional Comments for Consideration (Optional):	

Amount for Approval:	\$
-----------------------------	----

Budget Impact

Is this Item Budgeted?	YES	NO	ITEM HAS NO COST	OTHER:
-------------------------------	------------	-----------	-------------------------	---------------

Budget Adjustment (to be completed by Finance when applicable)

Account Number (ORG-OBJECT)	Account Description	\$	Expense	\$	Revenue
Account Number (ORG-OBJECT)	Account Description	\$	Expense	\$	Revenue
Account Number (ORG-OBJECT)	Account Description	\$	Expense	\$	Revenue
Account Number (ORG-OBJECT)	Account Description	\$	Expense	\$	Revenue

Fund(s) Impacted

(check all that apply)

General Fund

Utility Fund

Street Fund

Other(s):

Budget Impact Notes for Consideration (Optional):



PROFESSIONAL SERVICES AGREEMENT

PROJECT NAME: 2025 Trekk Flow Monitoring ("PROJECT")

THIS AGREEMENT ("AGREEMENT") is made in Benton County, Arkansas, by and between the City of Bentonville, Arkansas, hereinafter referred to as "CITY", and Trekk Design Group, LLC, hereinafter referred to as "PROFESSIONAL CONSULTANT" (collectively, the "PARTIES").

The PARTIES have caused this AGREEMENT to be effective this _____ ("EFFECTIVE DATE").

RECITALS:

- A. WHEREAS, the CITY has a need to perform capital improvement projects for the City of Bentonville, Arkansas; and
- B. WHEREAS, The CITY has selected the PROFESSIONAL CONSULTANT and negotiated this AGREEMENT using the procedures as set forth in Ark. Code Ann. § 19-11-800; and
- C. WHEREAS, the CITY wishes to contract for Professional Services; and
- D. WHEREAS, The PROFESSIONAL CONSULTANT has the skill, experience, ability, background, certifications and knowledge to provide these services; and
- E. WHEREAS, The PROFESSIONAL CONSULTANT wishes to perform such professional services under this AGREEMENT with the CITY.

NOW, THEREFORE, in consideration of the terms in this AGREEMENT, the CITY and PROFESSIONAL CONSULTANT agree to the following:

ARTICLE I - PROJECT DESCRIPTION

The PROJECT shall be as described in APPENDIX A. "Project Description", attached hereto and incorporated herein by reference.

ARTICLE II - SCOPE OF SERVICE

Upon issuance of a written Notice to Proceed by the CITY, PROFESSIONAL CONSULTANT agrees to provide the CITY the necessary professional services related to the PROJECT, as set forth in APPENDIX B, "Scope of Services" ("SCOPE"), attached hereto and incorporated herein by reference.

ARTICLE III - STANDARD OF CARE

PROFESSIONAL CONSULTANT shall at all times material hereto adhere to the generally accepted standard of care typically exhibited by similarly situated professionals performing similar scope(s) of service on projects of like size, scope, nature, cost, schedule, and complexity, at the same time and in the same general regional locale ("Standard of Care").

ARTICLE IV - ADDITIONAL SERVICES

- A. Any service outside of the work described herein or included by reference hereto must be pre-approved by the CITY and executed as an AMENDMENT to this AGREEMENT by the Parties prior to any such work being completed; any such AMENDMENT shall be in accordance with the CITY'S purchasing laws and guidelines and may require approval from the Bentonville City Council.
- B. PROFESSIONAL CONSULTANT shall make no claims for additional services or changes in the services until an AMENDMENT has been fully executed by the Parties.

ARTICLE V - SCHEDULE OF FEES, SERVICES AND PAYMENT

- A. The term of this AGREEMENT shall commence on the EFFECTIVE DATE and shall proceed in accordance with APPENDIX C, "Schedule of Fees and Services, Key Milestones, and Durations for Major Tasks", attached hereto and incorporated herein by reference.
- B. The cost of this AGREEMENT shall be in accordance with APPENDIX C.
- C. CITY agrees to pay PROFESSIONAL CONSULTANT for all services authorized by inclusion in this AGREEMENT which have been properly performed by PROFESSIONAL CONSULTANT in accordance with this AGREEMENT.
- D. All fees paid to PROFESSIONAL CONSULTANT shall be based on invoices submitted by PROFESSIONAL CONSULTANT for work performed under this AGREEMENT, less any previous payments. PROFESSIONAL CONSULTANT shall submit invoices for services related to this AGREEMENT on a monthly basis.
- E. CITY reserves the right to delay, without penalty, any partial payment when, in the opinion of the CITY, PROFESSIONAL CONSULTANT has not made satisfactory progress on the Project based on the SCOPE. If CITY objects to any portion of an invoice, the CITY shall notify PROFESSIONAL CONSULTANT and shall pay all other portions of the invoice which are not in dispute. In the event of dispute, CITY and PROFESSIONAL CONSULTANT shall immediately make every effort to settle the disputed portion of the invoice.

- F. In the event that the CITY becomes credibly informed that any representations of PROFESSIONAL CONSULTANT provided in its invoicing are wholly or partially inaccurate, CITY may withhold payment of sums then, or in the future, otherwise due to PROFESSIONAL CONSULTANT until the inaccuracy and the cause thereof is corrected to the CITY's reasonable satisfaction.
- G. If the CITY fails to make any payment, not in dispute, due to PROFESSIONAL CONSULTANT within thirty (30) days after receipt of an invoice, then the amount due to the PROFESSIONAL CONSULTANT will increase at the lesser of one percent (1 %) per month or the maximum amount allowed by law after the 30th day. In addition, PROFESSIONAL CONSULTANT may, after giving seven (7) days' written notice to CITY, suspend its services and any deliverables until PROFESSIONAL CONSULTANT has been paid in full for all amounts outstanding more than thirty (30) days.

ARTICLE VI - INSURANCE

- A. PROFESSIONAL CONSULTANT shall during the term hereof maintain in full force and effect the following insurance:
 - 1. A comprehensive general liability policy of insurance for bodily injury, death and property damage insuring against all claims, demands or actions relating to the PROFESSIONAL CONSULTANT's performance of services pursuant to this AGREEMENT with a combined single limit of not less than \$1,000,000.00 per occurrence and \$2,000,000 in the aggregate for injury to persons (including death), and for property damage;
 - 2. A policy of automobile liability insurance covering any vehicles owned and/or operated by PROFESSIONAL CONSULTANT, its officers, agents, and employees, and used in the performance of this AGREEMENT with policy limits of not less than \$1,000,000.00 combined single limit and aggregate for bodily injury and property damage;
 - 3. Statutory Worker's Compensation Insurance at the statutory limits and Employers Liability covering all of PROFESSIONAL CONSULTANT's employees involved in the provision of services under this AGREEMENT with policy limit of not less than \$1,000,000.00; and
 - 4. Professional Liability/Errors and Omissions coverage covering negligent acts, errors and omissions in the performance of professional services with policy limit of not less than \$1,000,000.00.
- B. All insurance and certificate(s) of insurance shall contain the following provisions:
 - 1. Include CITY as additional insured as to all applicable coverage with the exception of Workers Compensation Insurance and Professional Liability/Errors and Omissions coverage; and
 - 2. provide for at least thirty (30) days prior written notice to CITY for cancellation or non-renewal of the insurance;
 - 3. provide for a waiver of subrogation against CITY for injuries, including death, property damage, or any other loss to the extent the same is covered by the proceeds of insurance, except for Professional Liability/Errors and Omissions coverage.
- C. PROFESSIONAL CONSULTANT shall provide 30 day written notice to CITY of any material change of or to the insurance required herein.
- D. All insurance companies providing the required insurance shall be authorized to transact business in Arkansas and rated at least "A" by AM Best or other equivalent rating service. A certificate of insurance evidencing

the required insurance and all endorsements required by this Agreement shall be submitted prior to commencement of services.

- E. In the event that additional or greater insurance requirements are warranted, these requirements shall be included as an Appendix, which will be attached hereto and incorporated by reference.

ARTICLE VII - RIGHT OF ACCESS

- A. CITY will obtain and/or furnish right-of-access for PROFESSIONAL CONSULTANT to perform any required studies, surveys, tests or other necessary investigations in relation to the PROJECT.
- B. PROFESSIONAL CONSULTANT will take reasonable precautions to minimize damage to the personal or real property in the performance of such surveys, tests, studies and investigations.
- C. CITY recognizes that PROFESSIONAL CONSULTANT's operations and use of equipment may unavoidably alter existing conditions or affect the environment at the PROJECT site. The cost of repairing such damage shall be the responsibility of PROFESSIONAL CONSULTANT, at no additional cost to the CITY. In the event that PROFESSIONAL CONSULTANT fails to correct such damages, CITY is entitled to utilize CITY forces or other labor to repair the damage; any costs incurred by CITY for such work shall be deducted from the monies due to PROFESSIONAL CONSULTANT.

ARTICLE VIII - RECORDS AND RETENTION

- A. All surveys, studies, proposals, applications, drawings, plans, specifications and other documents, including those in electronic form, prepared by PROFESSIONAL CONSULTANT and its PROFESSIONAL CONSULTANTS, subcontractors, agents, representatives, and/or employees in connection with this AGREEMENT ("PROJECT DOCUMENTS") are intended for the use and benefit of CITY. PROFESSIONAL CONSULTANT and its PROFESSIONAL CONSULTANTS, subcontractors, agents, representatives, and/or employees shall be deemed the authors of their respective part of the PROJECT DOCUMENTS. Notwithstanding anything to the contrary, CITY shall own, have, and retain all rights, title and interest in and to all PROJECT DOCUMENTS, whether in draft form or final form, which are produced at CITY's request or otherwise produced from PROFESSIONAL CONSULTANT's performance of the work described herein for CITY. The CITY's ownership of PROJECT DOCUMENTS shall not apply to PROFESSIONAL CONSULTANT's proprietary standard details that were developed by the PROFESSIONAL CONSULTANT prior to the commencement of this PROJECT.
- B. CITY shall have full authority to reuse, reproduce, publish, disclose and distribute PROJECT DOCUMENTS, as needed, according to Arkansas State Law.
- C. PROFESSIONAL CONSULTANT shall, upon completion of the services and full payment for the PROFESSIONAL CONSULTANT'S services by the CITY, or earlier termination and appropriate compensation as provided by this AGREEMENT, provide the CITY with all PROJECT DOCUMENTS prepared by PROFESSIONAL CONSULTANT pursuant to this AGREEMENT in formats requested by the CITY.
- D. All instruments of service (including plans, specifications, drawings, reports, designs, computations, computer programs, estimates, surveys, other data or work items, etc.) prepared under this AGREEMENT shall be submitted for approval to the CITY. All instruments of service shall be professionally sealed in accordance to applicable laws or at CITY's request.
- E. Acceptance and approval of the PROJECT DOCUMENTS by the CITY shall not constitute nor be deemed a release of the responsibility and liability of PROFESSIONAL CONSULTANT, its employees, associates,

agents and PROFESSIONAL CONSULTANTS for the accuracy or competency of their designs, working drawings and specifications, or other documents and work; nor shall such approval be deemed to be an assumption of such responsibility by the CITY for any defect in the designs, working drawings and specifications, or other documents prepared by PROFESSIONAL CONSULTANT, its employees, contractor, agents and PROFESSIONAL CONSULTANTS.

- F. PROFESSIONAL CONSULTANT will retain the PROJECT DOCUMENTS for a period of three years following project completion. During this three year period, any requests for document recovery and reproduction will be assessed a fee in accordance with PROFESSIONAL CONSULTANT's FEES.

ARTICLE IX - SAFETY

- A. CITY agrees to inform PROFESSIONAL CONSULTANT of any applicable site safety procedures and regulations known to CITY as well as any special safety concerns or dangerous conditions at the site of which the CITY is aware, which PROFESSIONAL CONSULTANT shall communicate to its employees. PROFESSIONAL CONSULTANT and its employees shall adhere to such procedures and regulations once notice has been given by the CITY.
- B. Unless specifically provided in the SCOPE, PROFESSIONAL CONSULTANT shall not have any responsibility for overall job safety at the site. If in the PROFESSIONAL CONSULTANT's opinion, its field personnel are unable to access required locations or perform required services in conformance with applicable safety standards, PROFESSIONAL CONSULTANT may immediately suspend performance until such safety standards can be attained.
- C. PROFESSIONAL CONSULTANT agrees to indemnify and hold harmless the CITY for any safety conditions that may arise out of PROFESSIONAL CONSULTANT's performance of this AGREEMENT.

ARTICLE X - TERMINATION

- A. CITY may suspend or terminate this AGREEMENT for cause or without cause at any time by giving written notice to PROFESSIONAL CONSULTANT. In the event suspension or termination is without cause, payment to PROFESSIONAL CONSULTANT, in accordance with the terms of this AGREEMENT, will be made on the basis of services reasonably determined by the CITY to be satisfactorily performed to the date of suspension or termination. Such payment will be due upon delivery of all instruments of service to CITY.
- B. Should the CITY require a modification of this AGREEMENT with the PROFESSIONAL CONSULTANT, and in the event the CITY and PROFESSIONAL CONSULTANT fail to agree upon a modification to this AGREEMENT, the CITY shall have the option of terminating this AGREEMENT and the PROFESSIONAL CONSULTANT's services hereunder at no additional cost other than the payment to PROFESSIONAL CONSULTANT, in accordance with the terms of this AGREEMENT, for the services reasonably determined by the CITY to be properly performed by PROFESSIONAL CONSULTANT prior to such termination date.
- C. If, for whatever adequate funding is not made available by CITY to support or justify continuation of the level of services to be provided by PROFESSIONAL CONSULTANT under this AGREEMENT, CITY may terminate or reduce the amount of services to be provided by PROFESSIONAL CONSULTANT under this AGREEMENT. In such event, CITY will notify PROFESSIONAL CONSULTANT in writing at least thirty (30) days in advance of such termination or reduction of services for lack of funds.
- D. In no event shall the CITY pay to PROFESSIONAL CONSULTANT fees for termination outside of payment for services reasonably determined by the City to be properly performed prior to termination.

ARTICLE XI - INDEMNIFICATION

- A. For purposes of this AGREEMENT, PROFESSIONAL CONSULTANT agrees to indemnify, hold harmless the CITY, its officers and employees from any loss, damage, liability or expense, of any nature whatsoever to the extent caused by the negligence, willful misconduct, or other actionable fault of PROFESSIONAL CONSULTANT, its affiliates, subsidiaries, employees, agents, assignees, and subcontractors and their respective employees and agents. PROFESSIONAL CONSULTANT is not required hereunder to defend the CITY, its officers, appointees, employees, or agents from assertions that they were negligent, nor to indemnify and hold them harmless from liability based on the CITY's negligence
- B. Nothing contained herein shall waive any governmental immunity CITY may be entitled to by law.
- C. This provision shall survive the termination of this AGREEMENT.

ARTICLE XII - CONTINGENCY CLAUSE

- A. The CITY may add a contingency amount to the contract to cover additional services as described in APPENDIX B. Any use of such contingency funds for additional services shall be executed as an AMENDMENT to this AGREEMENT.
- B. The Contingency shall in no manner substitute for an official AMENDMENT.

ARTICLE XIII - RELATIONSHIP OF THE PARTIES

It is understood and agreed by and between the parties that the PROFESSIONAL CONSULTANT, in satisfying the conditions of this AGREEMENT, is acting independently, and that the CITY assumes no responsibility or liabilities to any third party in connection with PROFESSIONAL CONSULTANT's actions. All services to be performed by the PROFESSIONAL CONSULTANT pursuant to this AGREEMENT shall be in the capacity of an Independent Contractor, and not as an agent or employee of CITY. The PROFESSIONAL CONSULTANT shall supervise the performance of its services and shall be entitled to control the manner and means by which its services are to be performed, subject to the terms of this AGREEMENT. There is no intended third party beneficiary to the AGREEMENT and nothing contained herein shall create a contractual relationship with, or any rights in favor of, any third party.

ARTICLE XIV - DISPUTE RESOLUTION

- A. CITY and PROFESSIONAL CONSULTANT agree that disputes relative to the services will first be addressed by negotiations between the Parties. If direct negotiations fail to resolve the dispute, the Party initiating the claim that is the basis for dispute may take such steps as it deems necessary to protect its interests; provided, however, that notwithstanding any such dispute, PROFESSIONAL CONSULTANT will proceed with the services as per this AGREEMENT as if no dispute existed, and CITY will continue to make payment for PROFESSIONAL CONSULTANT's completed services; and provided further that no dispute will be submitted to arbitration without both Parties' express written consent.

ARTICLE XV - OPINIONS OF PROBABLE COST

- A. Since the PROFESSIONAL CONSULTANT has no control over the cost of labor, materials, equipment or services furnished by others, or over methods of determining prices, or over competitive bidding or market conditions, the PROFESSIONAL CONSULTANT's estimates of PROJECT costs and construction costs provided for herein are to be made on the basis of the PROFESSIONAL CONSULTANT's experience and

qualifications and represent the PROFESSIONAL CONSULTANT's judgement in accordance with the "Standard of Care". The PROFESSIONAL CONSULTANT cannot and does not guarantee that proposals, bids or actual PROJECT or construction costs will not vary from estimates prepared by the PROFESSIONAL CONSULTANT.

- B. The CITY understands that the construction cost estimates developed by the PROFESSIONAL CONSULTANT do not establish a limit for construction contract amount. If the actual amount of the low construction bid exceeds the construction budget established by the CITY, the PROFESSIONAL CONSULTANT will not be required to re-design the PROJECT or any part thereof without additional compensation.

ARTICLE XVI - APPLICABLE LAWS

PROFESSIONAL CONSULTANT shall comply with all Federal, State, Local laws, ordinances, resolutions, specifications, regulations and all other laws or regulations relating or applicable to service to be performed under this AGREEMENT. Interpretation of this AGREEMENT and disputes arising out of or related to this AGREEMENT will be subject to and governed by the laws of the State of Arkansas. Jurisdiction and venue for any suit arising out of or related to this AGREEMENT will be in the District Court of Benton County, Arkansas,

ARTICLE XVII - PRECEDENCE

This AGREEMENT shall take precedence over any inconsistent or contradictory provisions contained in any proposal, contract, purchase order, requisition, notice to proceed, or any other like document regarding the PROJECT or PROFESSIONAL CONSULTANT's services.

ARTICLE XVIII - SEVERABILITY

- A. In the event that one or more provisions contained herein shall, for any reason, be deemed invalid, illegal, void or unenforceable, in whole or in part, the remaining provisions hereof shall remain in full force and effect.
- B. In the event that any provision hereof is in conflict with any statutory provision of the State of Arkansas, said provision, which may be in conflict therewith, shall be deemed inoperative, null and void insofar as it may be in conflict therewith, and shall be deemed modified to conform to such statutory provisions; provided, however, that the remaining provisions of this AGREEMENT will be unaffected and will continue to be valid and enforceable.

ARTICLE XIX - SURVIVAL OF OBLIGATIONS

The obligations of the Parties contained in this AGREEMENT, which by their nature survive after the term of the AGREEMENT, shall survive the termination or expiration of this AGREEMENT and continue indefinitely or as otherwise provided by this AGREEMENT.

ARTICLE XIX – ENTIRE AGREEMENT

This AGREEMENT, including all documents and Appendices included by reference herein, constitutes the entire agreement between the PARTIES and supersedes all prior agreements, whether oral or written, covering the same subject matter. This AGREEMENT may not be modified or amended except in writing, mutually agreed upon and accepted by both PARTIES to this AGREEMENT.

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The cost of this AGREEMENT including all reimbursable expenses as described in the FEES AND SCHEDULE, **shall not exceed** ninety-three thousand four hundred eighty-two dollars and zero cents (\$93,482.00), unless otherwise approved by the CITY through an official AMENDMENT agreed and executed by CITY and PROFESSIONAL CONSULTANT.

IN WITNESS THEREOF, the CITY and PROFESSIONAL CONSULTANT have executed this AGREEMENT, the EFFECTIVE DATE of which is indicated on page 1 of this AGREEMENT.

<u>CITY OF BENTONVILLE</u>	<u>PROFESSIONAL CONSULTANT</u>
CITY	
<u>BY</u>	<u>BY</u>
<u>MAYOR</u>	<u>TITLE</u>
TITLE	
<u>DATE SIGNED</u>	<u>DATE SIGNED</u>

APPENDIX A PROJECT DESCRIPTION

BASIC PROJECT INFORMATION:

Maintenance and oversight of a year-long flow monitoring study including up to 8 flow meters with a total of 9 AV sensors and 6 rain gauges.

APPENDIX B

SCOPE OF SERVICES

SERVICES BY THE CITY

- Furnish required information and approvals and perform responsibilities and activities in a timely manner to facilitate orderly progress of the work.
- Provide criteria and information as to the requirements for the PROJECT, including design objectives and constraints, right-of-way, capacity and performance requirements, and any budgetary limitations.
- Furnish copies of design and construction standards that the CITY will require to be included in the drawings and specifications.
- Assist the PROFESSIONAL CONSULTANT by placing at their disposal all available information pertinent to the PROJECT, including previous reports and other data relative to design or construction of the PROJECT.
- Arrange for access to public and private property as required for the PROJECT.
- Obtain the necessary lands, easements and rights-of-way for the PROJECT.
- Reimburse all plan review, advertising costs, permits and approvals in connection with the PROJECT.
- Pay the PROFESSIONAL CONSULTANT in accordance with the terms of the AGREEMENT.

If the CITY observes or otherwise becomes aware of any fault or defect in the PROJECT, the CITY shall give prompt written notice thereof to the PROFESSIONAL CONSULTANT.

SERVICES BY THE PROFESSIONAL CONSULTANT

- Meet all requirements of the AGREEMENT including any AMENDMENTS.
- Produce all documents and services needed for the PROJECT, including but not limited to:
Topographical surveys, Right-of-Way Surveys, Utility Surveys and Coordination, Traffic Study, Geotechnical Investigations, Environmental Surveys, Permitting, Major Drainage Study, Conceptual Design Phase (30%), Preliminary Design Phase (60%), Final Design Phase (90%), Public Meetings, Bidding Services, Construction Support Services, Project Management Services, Project Closeout.
- Project Management services for the entire life of the project that align with the Project Management Institute Project Management Book of Knowledge Latest Edition.
- All Design and Construction shall conform to Federal, State and Local regulations.
- Coordinate PROJECT with Franchise Utility Companies to assure adequate space for all facilities and timely relocations.
- Coordinate and Furnish approvals and permits from all Regulatory Agencies having jurisdiction over the PROJECT.
- Provide all services relevant to City of Bentonville Plan Review procedures.
- Create and provide all documents for property acquisitions and assist with any layout or staking required.
- Coordinate and facilitate meetings with CITY and Agencies for plan review, project coordination and right-of-way.
- Subcontracting of services by the PROFESSIONAL CONSULTANT shall have prior approval of the CITY.

ATTACHMENT A
SCOPE OF SERVICES FOR
2025 Long Term Flow Monitoring
BENTONVILLE, ARKANSAS

The general scope of this work includes maintenance and oversight of a year-long flow monitoring study including up to 8 flow meters with a total of 9 AV sensors and 6 rain gauges. Flow meter and rain gauge locations have been selected by City of Bentonville Water Utility engineers and staff.

TASK 1 – PROJECT MANAGEMENT AND ADMINISTRATION:

1. **Project Management and Administration** - The Consultants in-house project management, administration, budget tracking, and monthly billing (based on 12 months).
2. **Project Kick-Off Meeting** - The Consultant will meet with the Engineer and City staff during an initial project kick-off meeting. The purpose of the initial kick-off meeting will be to discuss the project goals and objectives, review expectations, coordinate field services, review schedule, and confirm deliverables.
3. **Project Progress Meetings** - The Consultant will attend up to two (2) progress meetings during the Project to discuss work complete and necessary coordination efforts. The project manager and appropriate field team leader involved with current work activities shall attend on behalf of the Consultant. The Consultant shall prepare an agenda for each meeting and a summary following the meeting.

TASK 2 – FLOW METER AND RAIN GAUGE MAINTENANCE:

Consultant shall provide field maintenance for 8 flow meters including 9 AV sensors and 6 rain gauges for a period of 12 months for up to 15 site visits. Vision sensors shall be maintained at all 14 sites. All monitoring equipment will include remote telemetry units which use cellular technology. However, if data connections are lost, meters or rain gauges will be downloaded during the next maintenance visit and data uploaded to Waterspout.

1. **Flow Meter Maintenance** - Flow meter maintenance shall include the upload and interrogation of all flow data, monthly velocity profiling, replacement of batteries, sensor cleaning, and other diagnostic checks.

Consultant shall use Fulcrum to monitor, manage, and record the field maintenance efforts. Fulcrum will house the collection of field interrogation records, manual verification measurements, and other detailed field note information. A detailed site summary including photos and maintenance visit information will be documented in a Fulcrum report form.

Following a severe weather event, Consultant will perform a site visit to clean and verify the flow metering equipment and rain gauges are functioning properly. The standard field maintenance frequency is estimated to occur every third week and as needed for maintenance.

FlowWorks Platform - The FlowWorks platform will be configured and made available to allow the City and Engineer to remotely log in and view data at the flow and rainfall monitoring locations. Usernames and passwords will be established as requested, for up to six users. Consultant will configure the platform for the 8 flow meter with 9 AV sensors and the 6 rain gauge sites.

The following will be made available to the Engineering and City staff through the FlowWorks platform:

- Processed data following each maintenance visit.
- Tabular and graphical data of depth, velocity, flow, rainfall, digital camera pictures.
- Scatterplots.
- Map of installed sites with status of function.
- Ability to export raw and engineered flow data.

The price of a FlowWorks license includes access to historical data for up to 365 days from the date of the data logger installation. One year of data access is included in this project.

2. **Remote Diagnostic Inspections (RDI)** - RDI will be routinely completed throughout the monitoring period to verify meters are working properly and to complete engineered data reliability reviews. Consultant will utilize FlowWorks for RDI review and data viewing. The remote data server will allow reviewers to see the network in real-time and schedule maintenance site visits in order to maximize data uptime and minimize data gaps.

After 60 days of flow monitoring and again at the end of the monitoring period, flow data will be evaluated, and any necessary data adjustments will be made based on field interrogation data, field notes, and the potential impact of silt and debris at each site. Consultant will prepare an operations report summarizing the reporting period field activities, calibration checks, and any adjustments made to the sites.

3. **Rainfall Meter Maintenance** - Consultant shall install, service, and maintain 6 continuous recording electronic rain gauges and 6 cameras during the same monitoring period. The rain gauges will record rainfall to one hundredths on an inch increments. The instruments will be checked monthly by Consultant or when maintenance is required.

TASK 3 – NEW METER SITE INVESTIGATIONS, REMOVALS, AND RELOCATIONS:

As requested by the Engineer and City staff, the Consultant may relocate up to two (2) of the 8 flow meters after new meter site investigations have been complete. If the new meter site are determined to be adequate during investigations, the selected flow meters for relocation will be installed.

1. **Site Investigations** – The Consultant shall perform flow monitoring site investigations for up to 2 flow meters at locations provided by the Engineer and City staff. The purpose of the site investigations is to confirm each site is conducive for safe and effective flow monitoring that will produce quality data. The following should be taken into consideration when performing the meter site investigations.

Suitability for Accurate Metering – The accuracy of open channel flow meters depend on numerous variables and it is imperative that they be considered as much as possible. For this reason, reconnaissance inspections will be performed to minimize such error-causing factors such as changes in pipe alignment and size, low flow, debris, interruption of channel flow by side inlets and turbulence caused by uneven channels. In addition, the Consultant will check for signal strength at the metering locations to ensure flow meter and rain gauge models are able to consistently transmit data.

Safety – It is important that the proposed sites confirm to the Consultant's requirements for safe operating conditions. If the site falls outside of these requirements, alternative sites that are suitable based on safety requirements will be selected upon further consultation with the Engineer and City staff. If upon inspections, one or more of the proposed locations are not suitable for flow monitoring, the Consultant will recommend alternative locations near the original location.

2. **Site Relocation Installation and Calibration** – Once flow meter locations are confirmed through site investigations, the Consultant shall provide and prepare flow monitoring mounting equipment and sensor bands specific to each site. Consultant will install flow meters at up to two (2) confirmed locations and will maintain relocated monitoring equipment as described in Task 2 for the remaining duration of the project from contract execution date.

Flow meters will be appropriately mounted for each site, with antennae installed and all sensors mounted within the flow using appropriately sized bands. Initial interrogations (manual measurements of velocity and depth) will be recorded to verify initial readings. Consultant shall complete site assessment forms for each relocated flow meter location. The assessment form shall include installation photos, pipe size, pipe material, manhole depth, evidence of surcharge, flow quality, and silt level.

Consultant shall perform post installation visits at the relocated flow meter locations to verify calibrations. Field calibrations will be conducted by completing manual flow depth measurements and using a portable velocity meter (PVM) to obtain a real-time velocity profile. These measurements will be used to verify calibration and any necessary adjustments will be made for quality data collection.

End of Scope

Estimated NTP February 2025 Contract Time - 12 Months (365 Days)	Labor							Direct Expenses				Labor Sub-total	Direct Exp Sub-Total	TOTAL
	Project Manager QA/QC	Industry Specialist	Project Engineer	Field Manager	Field Technician I	Field Technician II	Administration	Mileage (Mile)	FlowWorks Fee (Per Meter)	Batteries (EA)	Additional Metering Equipment (LS)			
Fee Billing Rate	\$160.00	\$190.00	\$125.00	\$145.00	\$120.00	\$92.00	\$110.00	\$ 0.70	\$ 500.00	\$ 1.30	\$ 1,000.00			
WORK TASK DESCRIPTION														
Task 1 - Project Management and Adminstration												\$ 9,190.00	\$ 29.40	\$ 9,219.40
1.1 Project Management and Administation (Based on 12 months)	32	1		4			16					\$ 7,650.00	\$ -	\$ 7,650.00
1.2 Project Kick-Off Meeting (Up to 1 @ 1 hr)	2			2				14				\$ 610.00	\$ 9.80	\$ 619.80
1.3 Project Progress Meetings (Up to 2 @ 1 hr)	4			2				28				\$ 930.00	\$ 19.60	\$ 949.60
Task 2 - Flow Meter and Rain Gauge Maintenance												\$ 70,550.00	\$ 9,558.60	\$ 80,108.60
2.1 Flow Meter Maintenance (Up to 15 Trips)	12		8	50	158	212		300	8	962	1	\$ 48,634.00	\$ 6,460.60	\$ 55,094.60
2.2 Remote Diagnostic Inspections (RDI)	16		86		8							\$ 14,270.00	\$ -	\$ 14,270.00
2.3 Rainfall Meter Maintenance (Up to 7 Trips)	4		2	4	30	28		140	6			\$ 7,646.00	\$ 3,098.00	\$ 10,744.00
SUB TOTAL HOURS / QUANTITY	70	1	96	62	196	240	16	482	14	962	1			
TOTAL FEE	\$ 11,200.00	\$ 190.00	\$ 12,000.00	\$ 8,990.00	\$ 23,520.00	\$ 22,080.00	\$ 1,760.00	\$ 337.40	\$ 7,000.00	\$ 1,250.60	\$ 1,000.00	\$ 79,740.00	\$ 9,588.00	\$ 89,328.00
ADDITIONAL TASKS TO CONSIDER														
Task 3 - New Meter Site Investigations, Removals, and Relocations												\$ 4,112.00	\$ 42.00	\$ 4,154.00
3.1 Site Investigations	2			6		6		30				\$ 1,742.00	\$ 21.00	\$ 1,763.00
3.2 Site Relocation Installation and Calibration				10		10		30				\$ 2,370.00	\$ 21.00	\$ 2,391.00
SUB TOTAL HOURS / QUANTITY	2	0	0	16	0	16	0	60	0	0	0			
UNIT RATE	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ -	\$ -	\$ -	\$ -			
TOTAL FEE	\$ 320.00	\$ -	\$ -	\$ 2,320.00	\$ -	\$ 1,472.00	\$ -	\$ 42.00	\$ -	\$ -	\$ -	\$ 4,112.00	\$ 42.00	\$ 4,154.00
TOTAL FEE WITH ADDITIONAL TASKS	\$ 11,520.00	\$ 190.00	\$ 12,000.00	\$ 11,310.00	\$ 23,520.00	\$ 23,552.00	\$ 1,760.00	\$ 379.40	\$ 7,000.00	\$ 1,250.60	\$ 1,000.00	\$ 83,852.00	\$ 9,630.00	\$ 93,482.00