

# CITY OF HIGH POINT

## AGENDA ITEM

<b>TITLE:</b> Sole Source – Radian Three-Phase Meter Site Analyzers	
<b>FROM:</b> Tyler Berrier, PE – Electric Utilities Director	<b>MEETING DATE:</b> June 3, 2024
<b>PUBLIC HEARING:</b> n/a	<b>ADVERTISED DATE/BY:</b> n/a
<b>ATTACHMENTS:</b> Sole Source Form Radian Research Quote Recommendation Form	

**PURPOSE:** The City is procuring testing equipment in anticipation of the Electric 'post AMI' processes.

**BACKGROUND:** The Electric Department is seeking the ability to procure two Three-Phase Meter Site Analyzers. The metering division currently has two service vans, so one will accompany each service team. After AMI deployment, Electric will be performing QA/QC testing on installations and existing metering sites. These units are sole source because they interface with our existing test boards in our metering lab. These RW-30X units will meet our needs. The RW can perform a complete meter site analysis encompassing Power Quality, Meter Testing, and Transformer Testing without removing the meter. Capabilities including Waveform Capture, Harmonic Analysis, CT Testing, Vector Diagrams and Trend Recording, provide validation and peace of mind that the entire metering installation is correct.

**BUDGET IMPACT:** Funds are included in the Electric operating budget to cover this project.

**RECOMMENDATION/ACTION REQUESTED:** Staff are recommending that City Council approve, and the department be given the ability to procure these units via Sole Source. The department is recommending that the bid for this meter testing equipment be awarded to Radian Research, Inc. for \$102,653.20.



**FINANCIAL SERVICES**  
**Purchasing Division**



**SOLE SOURCE JUSTIFICATION FORM**

(For Items Costing **\$10,000.00 or More**)  
Statutory Reference N.C.G.S. 143-129(e)6

Requisition # **38086**

Vendor: **RADIAN RESEARCH**

Item(s): **METER SITE ANALYZERS**

Justification:

Radian WECO is a database system that we are using for our four Electric Test Boards. All Electric Metering test results are stored in this database. Customer service and support for this equipment is at a minimum. Sharing the same database will make data conversion simpler with little or no training.

Estimated expenditure for the above item(s): **\$102,898.20**

Accounting Unit and Account(s): **631788 / 526202**

**CHECK ALL ENTRIES BELOW THAT APPLY TO THE PROPOSED PURCHASE.  
ATTACH A MEMO CONTAINING JUSTIFICATION AND SUPPORT  
DOCUMENTATION.**

1. ☐ Performance or price competition for a product are not available.
2. ☒ A needed product is available from only one source of supply.
3. ☒ Standardization or compatibility is the overriding consideration.
4. ☒ The parts/equipment are required from this source to permit standardization.
5. ☐ None of the above applies. A detailed explanation and justification for this sole source request is contained in attached memo and support documentation.

The undersigned requests that competitive procurement be waived and that the vendor identified as the supplier of the material or service described in this sole source justification be authorized as a sole source for the material or service.

Department Head/Authorized Personnel **Tyler Berrier** Digitally signed by Tyler Berrier  
Date: 2024.05.15 13:52:37 -04'00'

Department/Division **ELECTRIC** Date **05/15/2024**

**APPROVAL PROCESS**

Purchasing Manager **Candy E. Harmon** Digitally signed by Candy E. Harmon  
Date: 2024.05.15 15:42:40 -04'00'

Financial Services Director **Bobby Fitzjohn** Digitally signed by Bobby Fitzjohn  
Date: 2024.05.23 07:49:33 -04'00'

City Council (\$30,000 – Up)

**City of High Point | P.O. BOX 230, High Point, NC 27261 | 336.883.3219**





## QUOTE

Date	Quote #
05/09/2024	RVPNQ1191-04

Radian Research Inc.  
3852 Fortune Drive, Lafayette, IN 47905  
Phone: 765-449-5500 Fax: 765-448-4614

**Sold To:** High Point Electric Utilities Departme  
David Johnson  
Electrical Dept.  
High Point, NC 27261  
USA  
**Phone:** (336)883-3464  
**Fax:**

**Ship To:** High Point Electric Utilities Departme  
David Johnson  
Electrical Dept.  
High Point, NC 27261  
USA  
**Phone:** (336)883-3464  
**Fax:**

Thank you for your interest in Radian Research products. If you have any questions, please do not hesitate to contact me.

Payment Terms	Quoted By	Ship Via*	Freight Terms*	Incoterms*	Quote Validity	Lead Time	Radian Representative
NET30	Raeann	UPS		Origin	30	4-6 Weeks	PowerTech LLC

If submitting a purchase order for these products, please issue PO to Radian Research.

Ln #	Qty	Part#	Description	Unit Price	Ext. Price
1	2	AW0061	RW-30X Portable Three-Phase Meter Site Analyzer (Accuracy 0.04%) three-phase portable standard. Includes WATT-Net Basic™ equipment control and secure data management software.** Cable set must be purchased separately.	\$37,510.00	\$75,020.00
2	2	AW0040	RW-30 Magnetic Mount Optics, Visible, IR and Meter Disk Sensor	\$2,425.00	\$4,850.00
3	2	BW0151	RW-3x Field Power Cable with Mueller Clips	\$95.00	\$190.00
4	2	850019	TX-20 3-Prong Power Cord (10 FT) w/Ground 18 AWG X 3 COND.	\$10.00	\$20.00
5	2	CM000180	Partitioned Cable Carryall, Wash Clean Surface Dims: 22"W x 9"D x 10"H; Adjustable Shoulder Strap	\$275.00	\$550.00
6	12	3001016	Fuse, .5 Amp VeryFast 1000V, 6.3 x 32MM 650mV Drop 50kA (Replacement for Fused Flexible Lead)	\$15.00	\$180.00
7	2	BW0096	WE-20 / RW-3x Bypass Current Cable Set for Use with Saf-T-Plugs	\$185.00	\$370.00
8	2	BW0149	RW-3x Braided 'A', 'B', 'C' Phase Current Cables with Saf-T-Plugs	\$1,830.00	\$3,660.00
9	2	BE0118	RW-3x to 3230 Shop Stand Potential Cable Assembly Set	\$415.00	\$830.00
10	2	BE0119	RW-3x to 3230 Shop Stand Braided 'A', 'B', 'C' Phase Current Cables	\$855.00	\$1,710.00
11	12	CH001003	Test Switch Current Isolator	\$0.10	\$1.20
12	4	5210216	Safety Dolphin Clip 4mm Red	\$25.00	\$100.00
13	6	5210223	Safety Dolphin Clip 4mm Black	\$25.00	\$150.00
14	4	5210219	Safety Dolphin Clip 4mm Blue	\$25.00	\$100.00
15	4	5210218	Safety Dolphin Clip 4mm Yellow	\$25.00	\$100.00



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Ln #	Qty	Part#	Description	Unit Price	Ext. Price
16	2	5210217	Safety Dolphin Clip 4mm Green	\$25.00	\$50.00
17	4	5210226	Test Clip, Plunger, 4mm Red 16 Amp Cat III, 1000V	\$35.00	\$140.00
18	6	5210225	Test Clip, Plunger, 4mm Blk 16, Amp Cat III, 1000V	\$35.00	\$210.00
19	4	5210229	Test Clip, Plunger, 4mm BLU 16 Amp Cat III, 1000V	\$35.00	\$140.00
20	4	5210228	Test Clip, Plunger, 4mm YEL 16 Amp Cat III, 1000V	\$35.00	\$140.00
21	2	5210227	Test Clip, Plunger, 4mm GRN 16 Amp Cat III, 1000V	\$35.00	\$70.00
22	2	CE000040	CAT5e RJ45M to RJ-45M Cross-Over Cable, 10ft, ORANGE	\$11.00	\$22.00
23	6	AW0026	RW-30 AmpFlex Current Probe Kit, 36" 3000 Amps, 1000 Volts	\$2,080.00	\$12,480.00
24	2	AW0019	Adapter for Customer Supplied Sensor Link Probe	\$785.00	\$1,570.00

Total	\$102,653.20
Sales Tax	\$0.00
Shipping	Pre-paid & Added
<b>Grand Total</b>	<b>\$102,653.20+S/H*</b>

\*Prices quoted do not include shipping. Shipping fees will be added to the invoice unless the purchase order provides alternate shipping instructions.



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Department Head/Authorized Personnel

Department/Division **ELECTRIC**

Date **05/15/2024**

**APPROVAL PROCESS**

Purchasing Manager

Financial Services Director

City Council (\$30,000 – Up)