



KC International Academy

414 Wallace Avenue, Kansas City, MO 64125
816-242-4206

DATE: January 17, 2023
TO: David Leone
FROM: Bruce Rehmer, Technology Director
SUBJECT: UPS - Backup Power Surge Devices

On December 15th, a "UPS - Backup Power Surge Devices" RFP was released on KCIA's website and filed with the federal ERATE program.

This RFP was looking for a company to provide UPS "Uninterruptable Power Supply" equipment to protect the network devices located in 3 closets along with keeping them running for up to 3 hours during a power outage. KCIA received five responses and I am recommending RTI for their solution using N1C devices. Here is the rationale used for this choice:

- The Provision Data Solutions, Network Computer Solutions and Dell did not provide a solution that would keep our equipment running more than 15 to 20 minutes in a power outage
- RTI's N1C UPS's come with a 10-Year Electronics & Battery Warranty vs Eaton's 3 year
- RTI's N1c solution utilizes lithium ION-based batteries, which last longer and do not take as much space. This solution also gave us the longest runtimes in the closets during a power outage.
- RTI's N1C solution requires less rack space 8 inches high vs 17 inches high compared to the EATON solution. N1C solution also weighs much less coming in at 177 pounds vs 421 pounds Eaton solution in the main closet
- RTI is also a reputable company that KCIA has used successfully in the past years.
- RTI will install and provide 1-day response support should issues arise.

<u>Vendor</u>	<u>Manufacturer</u>	<u>Price</u>	<u>Total KCIA cost with ERATE discount</u>
RTI	N1C LR Series	\$ 18,952	\$ 2,842.83
CWIT	Eaton	\$ 14,380	\$ 2,157.00
Provision Data Solutions	Liebert	\$ 2,573	\$ 385.95
Network Computer Solutions	Eaton	\$ 2,502	\$ 375.26
Dell	Triplite and APC	\$ 2,230	\$ 334.50

After Board approval and contract signage I will apply for federal ERATE funds to offset this cost. KCIA can recover 85% of the total cost of the project, so the \$18,952 project will end up costing KCIA a net of **\$2,842.83**.

Sincerely,

Bruce Rehmer