

HAWAII STATE DEPARTMENT OF EDUCATION

PROCUREMENT AND CONTRACTS BRANCH

July 8, 2026

ADDENDUM B

TO

INVITATION FOR BIDS

IFB D26-128

TO

FURNISH, DELIVER, AND INSTALL

EATON 9PX SERIES UNINTERRUPTIBLE POWER SUPPLY SYSTEMS

FOR

THE HAWAII STATE DEPARTMENT OF EDUCATION

The following changes are hereby provided and incorporated into IFB D26-128:

PART I: CHANGES TO THE IFB

A. Revisions to the Minimum Specifications

TECHNICAL SPECIFICATIONS

2. Model Summary on page S-2, has been deleted in its entirety and replaced with the following:

2. Model Summary

This specification shall outline the performance characteristics of the following Eaton 9PX UPS Systems and components: 9PX 5kVAG2 UPS System, 9PX 2kVA UPS System, 9PX2000RTN, 9PXEBM72RT, 9PX5KTF5G2, 9PXTFMR5G2, 9PXEBM180RTG2, and 9PX-RMA.

4. System Description, 4.2 Design Requirements on page S-2 and S-3, has been deleted in its entirety and replaced with the following:

4.2 Design Requirements

1. Inverter Output
 - A. Maximum power rating: (Volt-Amps/Watts)
 - 9PX 2kVA UPS System, 9PX2000RTN
 - 120/125 Volts: 2000 Volt-Amps/1800 Watts
 - 110 Volts: 1800 Volt-Amps/1620 Watts
 - 100 Volts: 1600 Volt-Amps/1440 Watts
 - 9PX 5kVAG2 UPS System, 9PX5K
 - 208/220/230/240 Volts 5000 Volt-Amps/4500 Watts
 - B. Nominal output voltage (user selectable):
 - 9PX 2kVA UPS System, 9PX22000RTN
 - 120 Volts default (100/110/120/125 Volts)
 - 9PX 5kVAG2 UPS System, 9PX5K
 - 208 Volts default (200/208/220/230/240 Volts)
 - C. Efficiency (full load, resistive load):
 - a. 9PX 2kVA UPS System, 9PX2000RTN: 91 percent (91%)
 - b. 9PX 5kVAG2 UPS System, 9PX5K: 93 percent (93%)
 - D. Current overload capability:
 - a. The UPS shall attempt to clear overloads while remaining on inverter in normal operation (IT Mode) before transferring to bypass
 - b. Bypass transfer thresholds in normal mode (percent is per nominal Watt/Volt-Amperes)
 - 102 percent~130 percent (102%~130%): 12 seconds
 - 130 percent~150 percent (130%~150%): 2 seconds
 - Greater than 150 percent (150%): shutdown after 300 milliseconds
 - c. Overload on battery
 - 102 percent~130 percent (102%~130%): 12 seconds
 - 130 percent~150 percent (103%~150%): 2 seconds
 - E. Waveform: Pure sinewave
 - F. Voltage regulation:
 - Normal mode: plus minus 1 percent ($\pm 1\%$) steady state
 - Battery mode: plus minus 2 percent ($\pm 2\%$) steady state
 - Frequency conversion mode: plus minus 4 percent ($\pm 4\%$) steady state
 - G. Total Harmonic Distortion Voltage (THDV) percent (%) in normal mode:
 - a. Linear load: less than 2 percent (2%) linear load
 - b. Non-linear load: less than 5 percent (5%)
 - H. Dynamic voltage regulation:
 - a. 20 percent (20%) $\Rightarrow$ 100 percent (100%) $\Rightarrow$ 20 percent (20%) R load step: plus minus 6 percent ($\pm 6\%$)
 - I. Recovery time (up to 90 percent (90%) voltage recovery):
 - a. 0 percent (0%) $\Rightarrow$ 100 percent (100%) $\Rightarrow$ 0 percent (0%) non-linear load step: 100ms at full Resistive + Capacitive + Dynamic (RCD) load
 - J. Transient response:
 - a. IEC 62040-3 Classification 1 (test method defined by IEC 62040-3) Edition2 2011 load and non-linear load)

B. Revisions to the Offer Page

Offer Page, OF-2 has been deleted in its entirety and replaced with the attached.

PART II: RESPONSES TO QUESTIONS SUBMITTED

Question 1: Confirm if item 1 could also be item 3.

Answer 1: Line item 1 is a complete end to end solution (furnish product: ship, deliver, install and dispose of old unit where applicable). Line item 3 is only to furnish, ship and deliver the specific part number as a replacement item.

Question 2: Confirm if item 2 could also be item 6.

Answer 2: Line item 2 is a complete end to end solution (furnish product: ship, deliver, install and dispose of old unit where applicable). Line item 6 is only to furnish, ship and deliver the specific part number as a replacement item.

Question 3: Provide shipping address

Answer 3: Refer to Special Conditions, page SC-11, 36. Delivery

Question 4: Does the delivery site have a loading dock?

Answer 4: Typically, the delivery sites do not.

Question 5: Will the site unload the truck and is inside delivery required?

Answer 5: The bidder is responsible to provide an end-to-end solution. This includes furnishing, delivering, transporting, and installing the product, as well as disposing of old existing units where applicable.

Question 6: Is there a forklift or pallet jack at the site?

Answer 6: No

Question 7: Do you have an installation schedule for the equipment, such as a requirement for 12 units in the Hawaii State Department of Education (STATE) area (Honolulu, Waipahu and Waianae) in the months of August, Sept, etc.?

Answer 7: Actual Quantities purchased are based on funding availability and are only for estimate purposes and not guaranteed with this contract.

Question 8: Are these units replacing existing UPS equipment? If so, what are the model numbers they would be replacing?

Answer 8: If replacing units in existing locations, the units would potentially replace old Eaton Tripp Lite, APC equivalent capacity units. (i.e. An old 2k system will be replaced with a new 2k system.)

Question 9: Are these units going into existing racks on site?

Answer 9: These units install in four (4) post racks and vertical equipment racks.

Question 10: Your bid request is for only 20each RK2PC and 9PX-RMA but your request for UPS equipment far exceeds that quantity. Just wondering what the reason is for that?

Answer 10: Most locations use either a four (4) post or vertical mount rack. RK2PC is used when installing into a two (2) post rack which would be needed in rare situations within the STATE.

Question 11: 5kVA: It would seem they are breaking down the parts as well as calling out the entire solution UPS (9PX5KTF5). Do we know if they are needing portions of the UPS or the whole? Line items 1 and 2 provide whole solutions with all necessary part numbers.

Answer 11: Eaton – 9PX2K UPS System:

- 9PX2000RTN
- 9PXEBM72RT

Includes VENDOR pricing for installation AND removal and disposal of existing unit being replaced if applicable. (Removal and disposal does not apply to new locations where no existing UPS is installed.)

Eaton – 9PX5KG2 UPS System: (Head unit and transformer units are included with this line item)

- 9PX5KTF5G2
- 9PXTFMR5G2
- 9PXEBM180RTG2
- 9SW5Y-6000UC - Extended 5-year warranty

Includes VENDOR pricing for installation AND removal and disposal of existing unit being replaced if applicable. (Removal and disposal does not apply to new locations where no existing UPS is installed.)

Question 12: How many total 5kVA UPS are needed?

Answer 12: Actual quantities purchased are based on funding availability and are only for estimate purposes and not guaranteed with this contract.

Question 13: For 2kVA, quantities are listed twice, one hundred (100) and ten (10), do you know the total for the 2kVA models?

Answer 13: Actual quantities purchased are based on funding availability and are only for estimate purposes and not guarantee quantities purchased with this contract.

Question 14: Are individual installation Stock Keeping Unit (sku) numbers required for each UPS and Extended Battery Module (EBM)?

Answer 14: There are no individual sku numbers associated with each part number from the manufacturer. Installation is the responsibility of the bidder and must be factored into bid pricing.

Question 15: Can you accept an equal other brand for the UPS items?

Answer 15: No, refer to Specifications, page S-2, 2. Model Summary.

Question 16: Is the bid a one time purchase or is it a contract for one year or so, that you will be ordering the units when you need it?

Answer 16: Refer to Special Conditions, page SC-10, 35. Ordering and page SC-2, 5. Contract Period.

The following offer is hereby submitted:

Offeror: _____

Item Number	Product Description	Model Number	Oahu			Hawaii, Maui, Molokai-Lanai and Kauai			(G) Total Bid Price (C + F = G)
			(A) Estimated Quantity	(B) Unit Bid Price	(C) Sub Total Bid Price (A x B = C)	(D) Estimated Quantity	(E) Unit Bid Price	(F) Sub Total Bid Price (D x E = F)	
1	EATON 9PX 5kVAG2 UPS SYSTEM *	9PX 5kVAG2 UPS SYSTEM	100	\$ -	\$ -	10	\$ -	\$ -	\$ -
2	EATON 9PX 2kVA UPS SYSTEM *	9PX 2kVA UPS SYSTEM	100	\$ -	\$ -	20	\$ -	\$ -	\$ -
3	EATON 9PX 5kVA Head Unit	9PX5KTF5G2	10	\$ -	\$ -	10	\$ -	\$ -	\$ -
4	EATON 9PX 5kVA Transformer	9PXTFMR5G2	10	\$ -	\$ -	10	\$ -	\$ -	\$ -
5	EATON 9PX External Battery Module	9PXEBM180RTG2	10	\$ -	\$ -	10	\$ -	\$ -	\$ -
6	EATON 9PX 2kVA Head unit with transformer	9PX2000RTN	10	\$ -	\$ -	10	\$ -	\$ -	\$ -
7	EATON 9PX External Battery Module	9PXEBM72RT	10	\$ -	\$ -	10	\$ -	\$ -	\$ -
8	EATON Two (2)-Post Rack Extender Kit	RK2PC	10	\$ -	\$ -	10	\$ -	\$ -	\$ -
9	Replacement Warranty Service**	9PX-RMA	10	\$ -	\$ -	10	\$ -	\$ -	\$ -
TOTAL SUM BID PRICE (Item Numbers 1 through 9)									\$ -

*Unit price to include Installation, Removal and Disposal of existing unit by qualified Eaton Technician.

**Unit price to include Installation of Manufacturer warranty replacement unit, removal and/or disposal of existing unit by qualified Eaton Technician.