

SINGLE SOURCE DETERMINATION (including brand name)

1. **CONTRACTING AGENCY:** U.S. Army Corps of Engineers (USACE), Walla Walla District (CENWW-CT), 201 North 3rd Avenue, Walla Walla, WA 99362
2. **DESCRIPTION OF ACTION:** The Little Goose Direct Current (DC) and Low Voltage (LV) Switchgear Upgrades requirement will upgrade the direct current systems and low voltage switchgear at Little Goose Dam in Washington State. This will include a requirement for the purchase of brand name networking equipment to include Palo Alto firewalls, Cisco network switches, Macrium server backup software, Solar Winds server software, and Schweitzer Engineer Laboratories (SEL) network clocks. Projects with similar scopes are also being performed at Lower Granite Dam and Lower Monumental Dam under different contracts.

The brand name networking equipment listed below comprises the all in one system, but only represents a small portion of the Switchgear Upgrades acquisition. Accordingly, this justification and approval is limited to this equipment only. The estimated purchase price for the specified brand name equipment is \$ [REDACTED]

3. **DESCRIPTION OF SUPPLIES/SERVICE:**

Part of the procurement of the Little Goose DC and LV switchgear upgrades includes the installation of Supervisory Control and Data Acquisition (SCADA) controls. These controls require the purchase of new brand name networking equipment. No all-in-one systems exist at Little Goose so this system will be new as part of the upgrade. The networking equipment to be used will match the other Snake River SCADA all-in-one systems and has already been programed and tested and meets existing cybersecurity requirements dictated by DoD 8500.2 and Risk Management Framework (RMF) (NIST 900-53).

This is a justification for brand name equipment, which will be purchased by the contractor who receives the construction contract. The portion of the acquisition requiring brand name products applies to the new networking equipment. Use of this equipment in the acquisition is essential to the Government's requirements, thereby precluding considerations of products manufactured by other companies as it would not meet the Government's requirements meeting the standards of Risk Management Framework (RMF) This brand name determination includes the following networking equipment:

BRAND	PRODUCT NO.	DESCRIPTION	QUANTITY
Cisco	C9300-24T-A	Managed Copper Switch	2
Cisco	PWR-C1-350WAC	Power Supply for C9300-24T-A	2
Cisco	C9300-24S-A	Managed Fiber Switch (SFP)	3
Cisco	PWR-C1-715WAC	Power Supply for C9300-24S-A	3
Cisco	C9300-NW-A-24	Cisco Network Advantage License (1 per C9300 switch)	5
Cisco	C9300-DNA-A-24-3Y	Cisco Digital Network Architecture Advantage License (1 per C9300 switch)	5
Cisco	STACK-T1-50CM	50CM Type 1 Stacking Cable (1 per	5

		C9300 switch)	
Cisco	CAB-SPWR-30CM	Power Stacking Cables (1 per C9300 switch)	5
Cisco	IE-3200-8T2S-E	Managed switch 8 port	6
Cisco	PWR-IE50W-AC=	Power Supply for IE-3200 switches	6
Cisco	GLC-SX-MM-RGD	1000Base-SX Multimode Fiber SFP Module	21
Palo Alto	PAN-PA-820	Firewall	2
Palo Alto	PAN-PA-820-TP-5YR	Threat Prevention subscription 5 year prepaid	2
Palo Alto	PAN-SVC-PREMUSG	5 year support agreement	2
Macrium	E-7SRVS-IPP24-00	Macrium Reflect 7 Server Edition with Premium 24x7 Support	6
Macrium	E-7WSNS-IPP24-00	Macrium Reflect 7 Workstation with Premium 24x7 Support	1
Solar Winds	300052052	Kiwi Syslog Server – Single Install – License with 12 months Maintenance	1
Broadcom	Symantec EndPoint Protection Manager/Client	Security Software Suite	1
Schweitzer Engineer Laboratories	SEL-2488	Satellite-Synchronized Network Clock	2

Contract award is scheduled for October 2022.

4. AUTHORITY CITED: FAR 13.106-1(b), Soliciting from a single source

- (1) For purchases not exceeding the simplified acquisition threshold, contracting officers may solicit from one source if the contracting officer determines that the circumstances of the contract action deem only one source reasonably available (e.g. urgency, exclusive licensing agreements, brand name or industrial mobilization).

5. REASON FOR AUTHORITY CITED:

- a. **BACKGROUND:** U.S. Army Corps of Engineers Walla Walla District Headquarters Engineering & Construction branch has a requirement to add new remote indication and controls for the low voltage SQ (480V Switchgear) breakers and new indication for the Direct Current (DC) & preferred Alternating Current (AC) system. The network hardware/software will interface with the newly installed Programmable Logic Controllers (PLC) system to physically control the SQ breakers and provide remote indication for the SQ breakers, DC/AC system, and the Governor Oil Pumps throughout the Little Goose powerhouse and control room. The existing system requires operators to stand directly in front of the SQ Switchgear to open or close breakers, which puts them in the arc flash zone and would be a life-safety hazard. The new PLC-based system allow operators the ability to operate the 480V breakers remotely, away from the switchgear. As indicated above, Little Goose needs a station service PLC-based all-in-one alarm/annunciation system. An all-in-one system allows

operators to see much more information at a single location. This system will be in place so that the project can connect many of their smaller PLC systems to communicate with the station service PLC.

- b. **JUSTIFICATION:** . All computer programming for these brand name parts has already been completed by the Hydroelectric Design Center of Expertise (HDC). It is important to maintain similar network systems and components across all Snake River projects to make SCADA network to eliminate any risk for not meeting DOD 8500.2 and Risk Management Framework (RMF) (NIST 800-53) cybersecurity requirements. Equipment used in DOD information systems must be approved for use by either DISA (DOD Information Systems Agency), or the Information Systems Security Management (ISSM) proponent. For USACE, this is the USACE Critical Infrastructure and Cybersecurity Mandatory Center of Expertise (UCIC-MCX). DISA approves the use of equipment via their approved product list website (<https://aplits.disa.mil/processAPList.action>). For UCIC-MCX approval, USACE (HDC or project personnel) corresponds with the Regional Information Systems Security Manager (RISSM). These agencies consider the manufacture country of origin and test the equipment to ensure that it complies with RMF stands and functionality with other DOD information system products. The parts listed above have already been approved for use at USACE facilities. Pursuing a new brand would likely cause significant delays due to the testing that would be needed to get the product approved.

Additionally, different brand name components not used will require additional time, labor, and funding to program a new SCADA network system. The specified network switches are the Enterprise standard and all other brand name hardware/software have been approved by USACE Critical Infrastructure Mandatory Center of Expertise (UCIC-MCX) and programmed for meeting complex cyber-security and network configuration requirements.

Furthermore, ACCS already supports the listed equipment with regular vetting of patches, which would further reduce the overhead of each plant doing this individually. Therefore, it is in the best interest of the government to continue using the products specified above.

- c. **IMPACT:** Substitution for the specified products would:
- i. Require additional training for project personnel.
 - ii. Require additional time, labor, and funding to program a new SCADA network system.
 - iii. Create differing site conditions between the Snake River dams that will make spare network components less accessible and increase complexity between the differing SCADA systems.
 - iv. Potentially not meet DOD 8500.2 and RMF (NIST 800-53) cybersecurity requirements.

- d. **ALTERNATIVES:** None.

6. **EFFORTS TO OBTAIN COMPETITION:** There are multiple distributors that can offer the required networking equipment. This J&A shall be posted with the solicitation. Requiring the brand name is unlikely to limit competition among proposals. It will be possible for a contractor to obtain competitive pricing from multiple sources. The cost of the brand name networking equipment is small in comparison to the total estimated cost of construction.

7. **FAIR AND REASONABLE COST DETERMINATION:** Based on catalog pricing, the anticipated cost of \$ [REDACTED] for the brand name networking equipment described above is fair and reasonable.
8. **MARKET RESEARCH:** Under the authority cited in FAR 13.106-1(b), I have determined that the particular brand name, or feature is essential to the Government's requirements and market research indicates that other companies' similar products, or products lacking the particular feature, do not meet or cannot be modified to meet the agency's needs. The networking equipment listed in this document is the only compatible equipment currently.
9. **INTERESTED SOURCES:** None.
10. **OTHER FACTS:** None.
11. **TECHNICAL CERTIFICATION:** I certify that the supporting data under my cognizance, which is included in this Brand Name Justification and Approval, are accurate and complete to the best of my knowledge and belief.

Sebastian Scheiff
Electrical Engineer

Signature: S. Scheiff

12. **REQUIREMENTS CERTIFICATION:** I certify that the supporting data under my cognizance, which is included in this Brand Name Justification and Approval, are accurate and complete to the best of my knowledge and belief.

Karen Robison
Project Manager

Signature: ROBISON.KARE
N.K.1239595045
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ROBISON.KARE.N.K.1239595045
Date: 2022.08.12 12:48:17
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13. **FAIR AND REASONABLE PRICE DETERMINATION:** I hereby determine that the anticipated cost to the Government for this contract action will be fair and reasonable on the basis of adequate price competition as a result certified cost or price data will not be required. In addition, the price analysis will also be made by comparing the proposed price to the Independent Government Estimate.

Jani Long
Contracting Officer

Signature: LONG.JANI.C
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LONG.JANI.C.1231624801
Date: 2022.08.18 13:41:49
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14. **CONTRACTING OFFICER DETERMINATION:** I hereby determine the above-stated circumstances of this contract action deem that only one brand is available to meet the Government's need.

Jani Long
Contracting Officer

Signature: LONG.JANI.C
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LONG.JANI.C.1231624801
Date: 2022.08.18 13:42:23
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15. **OFFICE OF COUNSEL DETERMINATION:** In accordance with the requirements of UAI 5101.602-2-90, I have reviewed the J&A and determined it is legally sufficient.

Theresa Hampson

Deputy District Counsel

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Signature: _____

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Date: 2022.08.15 09:53:41
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