

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:** Approval is requested to employ brand-name products from Schweitzer Engineering Laboratories (SEL) digital devices listed below in paragraph 3. The government will not purchase the SEL equipment directly, but brand name specifications will be included in the solicitation that will be part of a new firm-fixed price (FFP) construction contract. The contract will be incrementally funded with Bonneville Power Administration (BPA) LCAP Hydro 4045 funds. Incremental funding is expected to be applied in fiscal years 2023 and 2024. The McNary Drainage, Unwatering and Equalization (DUE) System Rehabilitation contract will rehabilitate the DUE system at McNary Lock and Dam in Umatilla, Oregon.

The project requires the use of the SEL equipment. This brand name equipment comprises only a portion of the acquisition. Accordingly, this justification and approval is limited to these components only. The estimated purchase price for the specified brand name equipment is

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

As part of the procurement of the DUE system rehabilitation at McNary, new brand name SEL equipment must be provided for a new bus protection relays and annunciation system. The project includes the use and installation of Schweitzer Engineering Laboratories (SEL) Feeder Protection System and annunciator, including the SEL-751 and SEL-2533 product series shown below. This is a justification for these brand name components, which will be purchased by the contractor who receives the construction contract. Use of this product in the acquisition is essential to the Government's requirements, thereby precluding considerations of products manufactured by another company as it would not meet the Government's requirements.

Product	Description	Quantity
SEL-751	Bus protection relay with chassis and I/O module	2
SEL-2533	Annunciator	1

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:** At McNary, feeder protection relays are a crucial part in protecting all of station service's electrical and electromechanical equipment, including but not limited to conductors, low voltage switchgear, motors, and panelboards from electrical faults/overcurrent events. Electrical faults can cause severe damage to equipment and injury to project personnel. Digital feeder protection relays mitigate these risks by providing programmable trip settings for line, line-to-line, and ground fault conditions.

SEL relays and annunciators include advanced features that improve equipment protection and project personnel safety including high impedance fault protection, arc flash mitigation and the ability to easily connect to McNary's existing annunciation and alarm system. Additionally, McNary currently uses SEL relays for most of their electrical equipment, including the main hydro units and their station service feeders. All SEL relays utilize the same programming software (AcSELERator) and function in a similar manner. McNary has experience with SEL relays and their associated software, maintaining brand uniformity across the facility will limit costs for spare parts and time to train project personnel.

- b. **JUSTIFICATION:** The Schweitzer Engineering Laboratories Feeder Protection System SEL-751 is an integral part of the DUE upgrades requirement and is specified to meet compatibility and supportability requirements. Integration of the bus protection is critical to the timely completion of the system upgrades. Other manufacturer's products are not fully compatible with the current systems at McNary and introduce negative risks to the systems' operation if these components are not completely compatible. Additionally, if installed and found to be insufficient, adequate time to re-procure compatible protection relays would not allow sufficient time to complete the work before the end of the outage. Use of the Schweitzer Engineering Laboratories brand bus protection relay will also result in simplifying the training requirements for Government personnel, reduction of spare parts inventory required for system maintenance, and will allow parts to be exchanged between systems.

- c. **IMPACT:** Substitution for the specified products would:

- i. Increase the initial and recurring costs of relay software
- ii. Increase the initial and recurring costs of spare parts inventory
- iii. Increase labor time, travel, and expense to train District personnel who will support the system
- iv. Decrease compatibility with existing systems and thus decrease the amount of information that can be conveyed throughout the system
- v. Increase the complexity of the facility and thus decrease maintainability and reliability
- vi. Decrease the digital feeder programming/electrical equipment protection features

Implementation of a different brand of feeder protection relays or annunciators will require the project personnel and design engineers to acquire the training, software, and equipment necessary to design and maintain that system. Personnel will not be able to utilize existing knowledge of relay capabilities and programming software. Personnel will be required to learn the intricacies of another digital relay system, increasing the complexity and duration of alterations or repairs.

Additional maintenance agreements may also be required. Cost and labor time for personnel to attend training would greatly increase.

In addition, a different digital relay brand would not be able to provide the same advanced programming features that the SEL-751 has to offer. The absence of these programming features would increase the risk for damaging equipment and injuring project personnel near associated electrical equipment. If a different digital relay and additional equipment is provided to make up for the absent advanced programming features, the system cost and complexity would greatly increase.

d. **ALTERNATIVES:** None.

6. **EFFORTS TO OBTAIN COMPETITION:** There are multiple distributors of SEL products. This J&A shall be posted with the solicitation. Requiring this 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 SEL 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 SEL 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. SEL is the only compatible equipment currently. There are many sources a contractor can utilize to obtain the SEL equipment.
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.

Eleya Stadnik
Electrical Engineer

Signature: STADNIK.ELEYA
.G.1512994942
Digitally signed by
STADNIK.ELEYA.G.1512994942
Date: 2022.06.27 10:08:39
-07'00'

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.

Jason Buchanan
Project Manager

Signature: BUCHANAN.JAS
ON.W.11449827
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Digitally signed by
BUCHANAN.JASON.W.11449
82700
Date: 2022.06.27 12:22:10
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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.1
231624801

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LONG.JANI.C.1231624801
Date: 2022.06.24 14:04:56
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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.1
1231624801

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LONG.JANI.C.1231624801
Date: 2022.06.24 14:05:55
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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

Signature: HAMPSON.THERE
SA.L.1374580937

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HAMPSON.THERESA.L.137458093
Date: 2022.06.24 12:09:12 -07'00'