

### **Sole Source Application and Determination Form**

A sole source determination is not effective until the sole source application for determination has been posted on the Purchasing website for thirty (30) calendar days without protest and is subsequently approved in writing by the Vice President of Administration and Finance.

1. Name of Department:Earth and Environmental Science

Contact Name: Enrico Zorzetto

Phone: 919 344 7008

Email: enrico.zorzetto@nmt.edu

2. Name of Prospective Vendor: Aspen System, Inc

Contact Name:Mako Furukawa

Phone:303-431-4606 x140

Email: makof@aspsys.com

Estimated Cost: 54,170.08

Duration (for Services or Professional Services – limited to four years):

3. Purpose/need for purchase and detailed list of items of tangible property, services, or professional services:

This equipment will be installed as a component of the New Mexico Tech High Performance Computing (NMT HPC) cluster and will be used for research in hydrology and water resources.

See the following for a description of the equipment and its intended use:

**GPU Node for AI-driven research in Hydrology and Water-mapping by Enrico Zorzetto:  
\$47,063**

NMT recently (June 2025) established a High Performance Computing center, funded by NSF. Dr. Zorzetto will install an additional GPU node (compatible to the existing GPU nodes), dedicated to the hydrology and water-mapping research that he and Stacy Timmons proposed for the NSF Engine proposal. This will greatly advance the proposed research for Dr. Zorzetto, the Bureau of Geology, workforce development and student training, and can be made available to other researchers of the Engine proposal.

4. Detailed explanation of criteria developed for this purchase:

This equipment will be installed as a component of the New Mexico Tech computer cluster (RFP 2411019C High-Performance Computer System) and needs to be compatible with the system already installed.

5. Provide a detailed, sufficient explanation of the reasons, qualifications or unique capabilities of the prospective vendor that make that prospective vendor the one source for providing the items of tangible property, services, or professional services:

This equipment will be installed as a component of the New Mexico Tech computer cluster (RFP 2411019C High-Performance Computer System) and needs to be compatible with the system already installed. The vendor is the same as that of RFP 2411019C High-Performance Computer System. We refer to the vendor selection criteria used for that purchase.

6. Provide a detailed, sufficient explanation of how the items of tangible property, services, or professional services is/are unique and how this uniqueness is substantially related to the intended purpose of the department/grant:

**GPU Node for AI-driven research in Hydrology and Water-mapping by Enrico Zorzetto:  
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7. Please provide a narrative description department's due diligence in determining a basis for the procurement. Include:
- a. method used to research and review other available sources (i.e. list of potential vendors from Purchasing, internet, state pricing agreements, purchasing cooperatives)
  - b. list of vendors contacted, the date and method of contact (i.e. email, phone call)
  - c. documentation explaining why:
    - i. those vendors cannot provide the required items of tangible property, services, or professional services
    - ii. other similar items of tangible property, services, or professional services cannot meet the intended purpose of department/grant:

This equipment will be installed as a component of the New Mexico Tech computer cluster (RFP 2411019C High-Performance Computer System) and needs to be compatible with the system already installed. Please see for reference the vendor selection process used for the system already in operation (RFP 2411019C High-Performance Computer System).

I certify I have performed thorough and diligent research and analysis to determine that [Vendor Name] is the only source capable of providing the required [Goods/Services]. I understand that violations of the New Mexico Procurement Code (Chapter 13, Article 1 NMSA 1978) can carry severe penalties. I affirm that the information provided in this Sole Source Determination is true and accurate to the best of my knowledge and belief.

Name, Title: Enrico Zorzetto, Assistant Professor of Hydrology, New Mexico Tech



AdobeSign/Date

August 20, 2025


Review: Purchasing Services (Name, Title): *Meradeth Montoya*  
Assistant Director of Purchasing

AdobeSign/Date 8/21/2025

Website Posting Date: 08/21/2025

Posting Expiration Date: 09/20/2025

Protested (Yes/No):

Approval: Delilah A. Walsh   
Vice President of Administration and Finance

AdobeSign/Date 21-Aug-2025