

State of Maine Procurement Justification Form

This form must accompany all contract requests and sole source requisitions (RQS) over \$5,000 submitted to the Division of Procurement Services.

INSTRUCTIONS: Please provide the requested information in the white spaces below. All responses (except signatures) must be typed; no hand-written forms will be accepted. See the guidance document posted with this form on the Division of Procurement Services website (Forms page) for additional instructions.

| PART I: OVERVIEW | | | | |
|---|----------------------|--|--------------------|-----------|
| Department Office/Division/Program: | | Department of Agriculture, Conservation and Forestry/Maine Geological Survey | | |
| Department Contract Administrator or Grant Coordinator: | | Robert G. Marvinney | | |
| (If applicable) Department Reference #: | | | | |
| Amount: (Contract/Amendment/Grant) | \$ 6,000.00 | Advantage CT / RQS #: | CT 20200522*3439 | |
| CONTRACT | Proposed Start Date: | 6/1/2020 | Proposed End Date: | 5/31/2022 |
| AMENDMENT | Original Start Date: | | Effective Date: | |
| | Previous End Date: | | New End Date: | |
| GRANT | Project Start Date: | | Grant Start Date: | |
| | Project End Date: | | Grant End Date: | |
| Vendor/Provider/Grantee Name, City, State: | | Dwight Bradley, 11 Cold Brook Road, Randolph, NH | | |
| Brief Description of Goods/Services/Grant: | | Geologic Mapping, stream-sediment sampling, geochemistry | | |

| PART II: JUSTIFICATION FOR VENDOR SELECTION | | | |
|---|-----------------------------------|--|----------------------------------|
| Mark an "X" before the justification(s) that applies to this request. (Check all that apply.) | | | |
| | A. Competitive Process | | G. Grant |
| | B. Amendment | | H. State Statute/Agency Directed |
| X | C. Single Source/Unique Vendor | | I. Federal Agency Directed |
| | D. Proprietary/Copyright/Patents | | J. Willing and Qualified |
| | E. Emergency | | K. Client Choice |
| | F. University Cooperative Project | | L. Other Authorization |

| PART III: SUPPLEMENTAL INFORMATION |
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| Please respond to ALL of the following: |
| 1. Provide a more detailed description and explain the need for the goods, services or grant to supplement the response in Part I. |
| Expertise is needed in the geology of pegmatite deposits for the Maine Geological Survey (MGS) to fulfill its obligation under the US Geological Survey's Earth MRI program to provide bedrock geologic maps, stream sediments, and geochemical analyses of the Oxford pegmatite district by May 2022. This contract covers necessary geologic interpretation of geochronological and geochemical analyses. While the MGS has the staff and facilities to compile geologic information, it does not have a sufficient in-house workforce to complete the necessary field mapping and sampling for this project in the time required. |

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PART III: SUPPLEMENTAL INFORMATION

Geologic mapping is a statutory responsibility of the Maine Geological Survey (Title 12, Chap. 201-A). Bedrock mapping, sediment sampling, and geochemical analysis is essential to the mission of the MGS to provide quality natural resources information for the people of Maine.

Federal grant funds for this project were awarded through a competitive proposal to the USGS's Earth MRI program, wherein we named qualified institutions to work on this project and their qualifications were a large factor in determining the award of federal funds.

2. Provide a brief justification for the selected vendor to supplement the response in Part II.

This contract is funded entirely by money provided to the Maine Geological Survey by the Earth Mapping Resources Initiative program, administered by the U.S. Geological Survey, to support a technical project. This is a competitive program to which each state may submit one proposal each year in November. Maine's proposals have been among the most competitive partly because we are able to identify highly qualified field mappers directly in the proposal.

The work requires specialization in the origin and chemistry of pegmatite deposits. Dwight C. Bradley is an expert on the geochemistry and geochronology of New England pegmatites. He specializes in pegmatites that contain lithium, cesium, and tantalum, and wrote the Lithium chapter for the U.S. Geological Survey's 2017 report, "*Critical Mineral Resources of the United States—Economic and Environmental Geology and Prospects for Future Supply*". Citing Dr. Bradley's participation in our proposal for funding was a key element in receiving the grant that is funding this project.

3. Explain how the negotiated costs or rates are fair and reasonable; or how the funding was allocated to grantee.

The rate the Maine Geological Survey pays contract geologists (\$1,000/week) has not increased since 2004. In the past three years, the Division of Purchases has approved more than 15 contracts at similar pay rates. A Physical Geologist at the Maine Geological Survey with similar responsibilities costs \$1,774/week, fully burdened. Thus the contract rate is well below market value for these types of geological services.

4. Describe the plan for future competition for the goods or services.

The Maine Geological Survey continues to work with the University of Maine and other institutions to train more students to investigate and compile geologic maps. We are working with a small pool of capable geologists well in advance of project needs to ascertain their availability for various map development tasks.

PART IV: APPROVALS

| | | | |
|---|--|--------------|----------|
| Signature of requesting Department's Commissioner (or designee): | <i>By signing below, I signify that I approve of this procurement request.</i> | | |
| | <small>DocuSigned by:</small> <i>Amanda E. Beal</i> | | |
| Printed Name: | Amanda E. Beal | Date: | 6/1/2020 |
| Signature of DAFS Procurement Official: | <small>DocuSigned by:</small> <i>Kathy Paquette</i> | | |
| Printed Name: | Kathy Paquette | Date: | 6/2/2020 |