

**PROCUREMENT JUSTIFICATION FORM (PJF)**

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 intranet site (Forms page) for additional instructions.

PART I: OVERVIEW

Department Office/Division/Program:		Environmental Protection, Division of Air Quality Assessment, Air Monitoring	
Department Contract Administrator or Grant Coordinator:		David Lemery	
(If applicable) Department Reference #:		Fund code: 013-06A-1292-13 Program H2S Program Period F2023	
Amount: (Contract/Amendment/Grant)	\$ 185,789.92	Advantage CT / RQS #:	06A 20230815*0265
CONTRACT	Proposed Start Date:		Proposed End Date:
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:		Entanglement Technologies, Inc. San Bruno, CA	
Brief Description of Goods/Services/Grant:		AROMA-TOX trace chemical analyzer. This instrument is capable of continuously measuring ultra-low concentrations (<1ppb) of Hydrogen Sulfide (H ₂ S) for use in areas where there are H ₂ S emissions and potential exceedances of the Maine CDC Ambient Air Guidelines (AAGs) for H ₂ S.	

PART II: JUSTIFICATION FOR VENDOR SELECTION

Check the box below for the justification(s) that applies to this request. (Check all that apply.)

<input type="checkbox"/>	A. Competitive Process	<input checked="" type="checkbox"/>	G. Grant
<input type="checkbox"/>	B. Amendment	<input type="checkbox"/>	H. State Statute/Agency Directed
<input checked="" type="checkbox"/>	C. Single Source/Unique Vendor	<input type="checkbox"/>	I. Federal Agency Directed
<input type="checkbox"/>	D. Proprietary/Copyright/Patents	<input type="checkbox"/>	J. Willing and Qualified
<input type="checkbox"/>	E. Emergency	<input type="checkbox"/>	K. Client Choice
<input type="checkbox"/>	F. University Cooperative Project	<input type="checkbox"/>	L. Other Authorization

Please respond to ALL of the questions in the following sections.

PART III: SUPPLEMENTAL INFORMATION

1. Provide a more detailed description and explain the need for the goods, services or grant to supplement the response in Part I.

The Maine CDC has developed both an Acute and a Chronic Ambient Air Guideline for H₂S, which are 30ppb for a ½ hour average, and 1ppb for a 1-year average respectively. Concentrations above these values for their given averaging period have been shown to have potential adverse health effects to the public. There are several facilities in the state that either continuously emit or periodically release H₂S into the air. Two facilities in particular, the pulp and paper mills in the towns of Old Town and Rumford have had numerous complaints brought against them by their communities. Complaints are related to both odor and health impacts, and details of the complaints indicate H₂S as a likely cause.

2. Provide a brief justification for the selected vendor to supplement the response in Part II. Reference the RFP number, if applicable.

In order to provide meaningful data to compare against the Maine CDC 1ppb AAG, an instrument that can maintain long-term precise, and accurate measurements below 1ppb is required. The vast majority of instruments on the market cannot achieve this requirement. The technology and method used by Entanglement Technologies Inc. have minimal drift and interferences, which allows the instrument to meet and exceed our minimal requirements.

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

Funding for the purchase was acquired through an Inflation Reduction Act Grant via the US EPA for the purchase of the AROMA-TOX trace chemical analyzer by Entanglement Technologies, Inc. to measure H₂S.

Entanglement Technologies Inc. gave a considerable discount so to not exceed the grant amount.

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

This instrument is anticipated to meet all foreseeable needs for H₂S monitoring, but all instruments have a natural lifetime. With proper maintenance the equipment will last for many years before needing to be upgraded or replaced. Each upgrade provides a potential to foster competition.

PART IV: AMERICAN RESCUE PLAN ACT (ARPA) / MAINE JOBS & RECOVERY PLAN (MJRP)

Does this request utilize ARPA/MJRP funds?

Yes – If Yes, please attach the approved Business Case(s).

No – If No, proceed to Part V.

PART V: APPROVALS

The signatures below indicate approval of this procurement request.

Signature of requesting
Department's Commissioner
(or designee):

David R. Madore for Melanie Loyzim

Typed Name: Melanie Loyzim

Date: Aug 17, 2023

Signature of DAFS
Procurement Official:

DocuSigned by:
William J.E. Allen
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Typed Name: William J.E. Allen

Date: 8/24/2023