

SOURCE JUSTIFICATION FORM

Bureau of Procurement

The objective of this form is to capture all relevant documentation an Agency may have to assist the Department of General Services ("DGS"), Bureau of Procurement, in expediting the source justification review process. This form must be completed electronically, signed, and submitted with all relevant documentation to DGS. If a question is neither mandatory nor applicable, please indicate "N/A". Please use standard terminology and define acronyms.

SECTION A

1. Agency Name:	Game Commission		
2. Procurement Description: This description will appear on the eMarketplace website for public viewing	An Aerial Survey Using Thermal Imagery to Estimate Pennsylvania's Elk Population		
Materials Description:			
Services Description:	The services requested include ~90 hours of flying in a fixed wing aircraft equipped with a thermal camera side-by-side with a high-definition camera to survey, observe, and record Pennsylvania's elk population. The data collected will then be used to generate a population estimate.		
3. Materials Shopping Cart # or Services SPR#	Estimated Cost:	\$100,001 - \$250K	
	Initial Contract Term:	January 1, 2021 - May 1	
	Renewals:		
4. Supplier - Name:	Owyhee Air Research		
Full Address:	3305 Airport Rd. Nampa ID, 83687		
Contact Name:	John Romero		
Telephone:	208-442-5405	FAX:	
E-mail:	jromero@owyheeair.com		
SRM Supplier #:	0000539860		
5. Delivery or service location:	North Central Pennsylvania, Elk Management Area		

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SECTION B

- 1. Sole Source:** Only known source - Not available from another supplier.
- 2. Material/Repair/Maintenance:** Material or service MUST be compatible with existing equipment. Documentation must be provided from the manufacturer.
- 3. Used Equipment:** Value set by 2 independent 3rd party appraisals.
- 4. Professional Expert:** Describe in detail in Section C.
- 5. Exempt (Law):** A federal or state statute or regulation exempts the procurement from the competitive procedure. Any applicable information precluding the procurement from competitive procedures must be attached.
- 6. Feasibility:** Clearly not feasible to award the contract on a competitive basis.

SECTION C

1. Describe the unique features of this procurement that prohibit a competitive environment. If applicable, attach a Statement of Work ("SOW").

The vendor providing the services for this request are uniquely equipped and experienced with aerial surveys for wildlife population estimation. Specifically, Owyhee Air Research, own several aircraft equipped with thermal imaging cameras with side-by-side high definition cameras to locate and identify animals to the species, gender, and age. The camera itself is internally cooled with a mid-wave infrared (IR) sensor coupled with an electro-optical (EO) daylight sensor, both with variable zoom capability for species detection and identification at ranges greater than 1.0 mile. The sensor system is paired to a GIS capable computer system with a moving map display that allows for immediate geolocation of all detected individuals and groups to within 5m accuracy. The camera system records all observations for transparency and subsequent data analyses. The staff at Owyhee Air Research are experienced in flying the required aircraft and more importantly experienced at operating the camera in flight to collect the required data to develop a robust population estimate. IR imagery does not provide color contrast the way EO imagery does, therefore, the sensor operator must have sufficient wildlife knowledge and experience to accurately identify detected animals based on morphological and behavioral characteristics alone, from distances greater than 1.0 miles.

2. Document and attach the research that has been conducted to date to verify the supplier is the only known source.

Several internet searches and discussions with experts in the field of aerial wildlife surveys indicated that at present no other company are equipped and experienced to complete this work safely, efficiently and quickly.

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3. Does the supplier utilize distributors, dealers, resellers, etc.? If "Yes," please identify.

No

4. Are there compatibility requirements or compliance requirements with a warranty or service agreement? If "Yes," please explain.

No

5. How has the material or service been procured in the past? Please provide previous source justifications, contracts, & PO's for this material or service.

We requested a similar justification last year (2020). Source Justification #36479.

6. If procured through the IT ITQ process, please provide original \$ amount and contract period of order. Is this the final phase of the project?

No

7. If this is an upgrade, addition, alteration, etc., to an earlier procurement, please describe in detail.

NA

8. What are the consequences of not approving this procurement?

If the request is not approved, we will be unable to complete an annual elk population survey and estimate. These data are needed to set annual habitat enhancement goals and annual elk hunting license numbers.

9. If timing is a factor, what is the time factor and why?

The procurement request is somewhat time sensitive. The survey must be completed during the month of February to capitalize on snow cover and no foliage (leaf) cover. In addition during winter, elk are grouped into their largest herds and bulls are still retaining their antlers for easy identification. Approval is request by December 1, 2020, to provide ample time to plan flight routes and logistics.

10. List any other information relevant to the acquisition of this procurement here or as an attachment.

Please see the formal project plan attached to this form.

11. For requests > \$100,000, has the supplier signed cost or pricing data certification and is the pricing breakdown attached?

See the attached quote supplied by Owyhee Air Research.

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SECTION D

IMPORTANT*: The printed names on this form shall constitute the signatures of these individuals. Agencies must insure that these individuals review the completed form and give their consent to apply their printed name on this form. No handwritten signatures shall be required in order for the form to be considered "signed" by those individuals whose names appear in the signature section of the form.

Shopping Cart Contact Person (Person whom DGS will contact regarding the Shopping Cart):

Name:	Joan Dehart	P-Group:		Date:	
Title:		Telephone:		Fax:	

Agency Contact Person: Person in your agency that DGS can contact for additional information, etc.

Name:	Jeremy Banfield	Title:	Wildlife Biologist	Date:	10-12-20
Telephone:		Fax:		Email:	jebanfield@pa.gov

Approving Authority (Agency Head or Deputy reviewing and approving this request): Approving Authority connotes approval of the source justification and the cost or pricing data certification.

Name:	<i>Daniel E Dunlap</i>	Title:		Date:	11-6-20
Telephone:		Fax:			

Additional Approvals (if required by Agency):

Name:		Title:		Date:	
Telephone:		Fax:		Email:	
Name:		Title:		Date:	
Telephone:		Fax:		Email:	
Name:		Title:		Date:	
Telephone:		Fax:		Email:	
Name:		Title:		Date:	
Telephone:		Fax:		Email:	
Name:		Title:		Date:	
Telephone:		Fax:		Email:	