

Filing Summary

Approval - Contract should be filed a minimum of 10 working days prior to the proposed start date of services.

Agency: 477 - Department of Fish and Wildlife

Filing Number:

Reference Number: 89832

Agency Contract Number: 22-20817

Filed By:

DES Decision Date:

Contractor Information

Legal Name Resolve

DBA

UBI

Address 2445 M Street NW, Suite 550, Washington, DC USA 20037

Contract Information

Procurement Sole Source

Service Description CZ Other Professional Svcs

Contract Purpose The purpose of this project is to update and expand TerrAdapt -- a state-of-the art monitoring of habitat and connectivity tool - to help WDFW managers better prioritize where conservation actions (e.g., protecting core habitat, restoring habitats post-disturbance, or mitigating key movement barriers) are implemented to maintain ecologically connected networks of habitat that support a thriving and resilient network of ecosystems across Washington.

Fund Source

| Filing Number | Federal | State | Other | Total |
|-----------------------|---------|-----------|-------|------------------|
| This Filing | | \$200,000 | | \$200,000 |
| Contract Total | | | | \$200,000 |

Contract Dates

| Filed Date | Start Date | End Date |
|------------|------------|------------|
| | 09/12/2022 | 06/30/2023 |

Contacts

| | | | |
|----------------|---------------|--------------------|------------|
| Janice Jackson | (360)902-2444 | jacksjg@dfw.wa.gov | In Process |
| Janice Jackson | (360)902-2444 | jacksjg@dfw.wa.gov | Processed |

Current State Employees

Not Applicable

Former State Employees

Not Applicable

Filing Justification

Specific Problem or Need

What is the business need or problem that requires this contract?

This contract will help WDFW achieve existing priorities and strategies, including WDFW's 25-Year Strategic Plan and WSDOT's Secretary's Executive Order #E 1031.02.10. Further, it will bring Washington State into the fold of other western states working to conserve and enhance connectivity through similar strategies.

Sole Source Criteria

Describe the unique features, qualifications, abilities or expertise of the contractor proposed for this sole source contract.

The contractor is uniquely qualified to modify TerrAdapt to better suit agency needs because they are the sole developer of this software and the source code is not publicly available. The contractor also has a highly qualified staff with a unique combination of skills in Google Earth Engine, Google cloud computing, remote sensing, and ecological modeling. There is no other vendor able to provide the capabilities of the TerrAdapt software, nor do they possess the contractor's unique skillset to modify it to better meet agency needs.

What kind of market research did the agency conduct to conclude that alternative sources were inappropriate or unavailable? Provide a narrative description of the agency's due diligence in determining the basis for the sole source contract, including methods used by the agency to conduct a review of available sources such as researching trade publications, industry newsletters and the internet; contacting similar service providers; and reviewing statewide pricing

trends and/or agreements. Include a list of businesses contacted (if you state that no other businesses were contacted, explain why not), date of contact, method of contact (telephone, mail, e-mail, other), and documentation demonstrating an explanation of why those businesses could not or would not, under any circumstances, perform the contract; or an explanation of why the agency has determined that no businesses other than the prospective contractor can perform the contract

TerrAdapt is a first-of-its-kind dynamic conservation planning tool that leverages the power of Google Earth Engine and the Google Cloud to monitor landscape change over time, project future threats from climate change, and prioritize areas for actions to mitigate risks. At this time, there is no alternative to this novel product in our region, and the contractor is the only vendor with access to source code and the skillset required to modify TerrAdapt to meet agency needs.

What considerations were given to providing opportunities in this contract for small business, including but not limited to unbundling the goods and/or services acquired.

Internet searches with key word search phrases were used to identify whether small businesses with the necessary skillset and proprietary software were able to complete this task. These searches did not identify any small businesses who would be able to perform the required services (either in their entirety or if services were unbundled).

Provide a detailed and compelling description that includes quantification of the costs and risks mitigated by contracting with this contractor (i.e. learning curve, follow-up nature).

By contracting with this contractor, WDFW avoids replicating the cost (est. more than \$1M) and considerable time (est. several years) required to develop the remote sensing and Google earth engine and software development skills required to replicate the capabilities of TerrAdapt within the agency. Even if the agency did invest to develop this capability internally, there is considerable risk that it could not assemble the required technical skills to develop this ambitious software. These costs and risks are mitigated by contracting with the contractor, which has a proven track-record of developing this software and modifying it to meet user needs.

Is the agency proposing this sole source contract because of special circumstances such as confidential investigations, copyright restrictions, etc.? If so, please describe.

N/A

Is the agency proposing this sole source contract because of unavoidable, critical time delays or issues that prevented the agency from completing this acquisition using a competitive process? If so, please describe. For example, if time constraints are applicable, identify when the agency was on notice of the need for the goods and/or service, the entity that imposed the constraints, explain the authority of that entity to impose them, and provide the timelines which work must be accomplished.

N/A

Is the agency proposing this sole source contract because of a geographic limitation? If the proposed contractor is the only source available in the geographical area, state the basis for this conclusion and the rationale for limiting the size of the geographical area selected.

N/A

What are the consequences of not having this sole source filing approved? Describe in detail the impact to the agency and to services it provides if this sole source filing is not approved.

WDFW provides technical assistance, permitting, research and planning support to a broad array of stakeholders across the state, with the goal of ensuring industry, infrastructure, recreation, agriculture, forestry and other human activities are compatible with healthy fish and wildlife populations. This includes guidance for managing our state's infrastructure, lands and waters to protect fish and wildlife habitat, restoring habitat, as well as research and planning to support management of game species and recovery of at-risk species. Many of WDFW's technical assistance, permitting, research and planning activities are based on best practices derived from many decades of past experience. However, those practices were developed in an historical climate that is now changing rapidly. These shifting baselines and the high uncertainty around future conditions are making it increasingly challenging to provide effective guidance to stakeholders. Not having this sole source filing approved will make it challenging for WDFW to continue to fulfilling its mission to "preserve, protect, and perpetuate fish, wildlife, and ecosystems while providing sustainable fish and wildlife recreational and commercial opportunities." The agency is already experiencing climate-related impacts, which will be exacerbated as the pace of climate change accelerates over the coming decades. This sole source filing will help WDFW prepare and adaptively manage for the impacts of climate change across the agency's programs, plans, and projects.

Sole Source Posting

Agency Website Information

Posted to Agency Website on 08/26/2022.

WEBS Information

Posted to WEBS on 08/26/2022.

Response(s) to Posting on WEBS

Time has NOT expired for responding to posting and will notify DES when time expires.

Reasonableness of Cost

Since competition was not used as the means for procurement, how did the agency conclude that the costs, fees, or rates negotiated are fair and reasonable. Please make a comparison with comparable contracts, use the results of a market survey, or employ some other appropriate means calculated to make such a determination.

Contractors with comparable skillsets charge between \$100-\$140 / hour for comparable services. Therefore, this hourly fee is on the lower-end of an acceptable cost.

Attachments

22-20817_Resolve_TerrAdapt_SS89832_GF.pdf - 389543kb

22-20817_Resolve_TerrAdapt_SS89832_LegalNotice.pdf - 109220kb

SS_Justi89832_TerrAdapt_HMorgan.pdf - 211361kb

22-20817_WEBS.pdf - 371854kb

Are any documents being sent that are not attached via this system? No

Is the contract or amendment document attached or listed above? Yes