

Exhibit A

Statement Of Work	
Prepared Date:	March 26, 2024
Name of Grantee:	The Wright-Ingraham Institute
Name of Water Project:	Nexus of Land and Water: Dust on Snow
Water Project Overview:	
<p>The Wright-Ingraham Institute will lead and coordinate the “Nexus of Land and Water: Dust on Snow,” planning and engagement effort to take place in sites including Cortez, Colorado with the goal of identifying key problems and associated solutions to the dust on snow issue facing the San Juan Mountains and dependent water users. This interdisciplinary project will bring together experts in hydrology, agronomy, soil science, agriculture, range management, education and design fields to develop and prioritize a list of pilot projects to begin to address the dust on snow issue. Currently efforts have focused on the hydrologic impact of dust on snow, which has shown increased snow melt rates, decrease summer water availability, adding additional stress on a water resource system that is already facing impacts from climate change and aridification. This work is the next logical step by turning to the source of dust, and creating a cooperative group of stakeholders and experts to create solutions that minimize the mobilization of particulate matter in desert environments. Through the creation of pilot projects and eventual implantation of these projects, this group aims to increase seasonal availability of water to downstream users in the watersheds of the San Juan Mountains.</p>	
Project Objectives:	
<p>This project will deliver a number of benefits to the local community and will help to protect and conserve the water resources of Southwestern Colorado by developing and prioritizing through a stakeholder working group implementable projects that directly reduce the mobilization of particulate matter (dust) and subsequent deposition on the mountain snowpack.</p> <p>A portion of this project will take place in Cortez, Colorado and will include in-person and hybrid listening sessions with stakeholders, scientists, and community members. Core stakeholders – including Jeff Derry of the Center for Snow and Avalanche Studies, Dr. Heidi Steltzer of Fort Lewis College, Kevin Lombard, Professor of Horticulture and Superintendent of the New Mexico State University Agricultural Science Center, Patrick O’Neill, agronomist, and Ute Mountain Ute staff and tribal members.</p> <p>The core stakeholders will be joined by additional local, regional and international experts, as the dust on snow issue is not unique to the Rocky Mountains and the work accomplished here can be utilized by the international community, particularly in the Alps.</p> <p>During these initial listening sessions participants will define target areas of study and form focus groups that will meet twice a month for three months to clearly articulate the problem and develop a shovel ready pilot project to address the issue. The research will conclude with a three-day in-person Field Stations workshop to visit the areas where dust is mobilized, share findings, and prioritize projects to pursue. This project will directly affect the constituents of Southwestern Colorado and will have a far-reaching impact on a wide range of stakeholders and community members that depend on the water resources supplied by the San Juan Mountains. This is because the vast majority of the water within the region is supplied by our mountain snowpack. This area is not only documented a decline in our snowpack, and subsequent water availability, but an increase in dust on snow events. This means that our already decreasing snowpack faces another challenge, earlier melt off, decreasing summer storage and water availability, while also increasing the risk of flooding during the snowmelt period. By creating solutions that address the source geography, this working group will create implementable projects that directly address the purpose of the Colorado Water Plan which “guides future decision-making and supports local actions to address water challenges with a collaborative, balanced, and solution-oriented approach that builds resilience.”</p>	

Task 1
Task 1 In-Person and Hybrid Listening Sessions
Description of Task: <p>The project will begin in May of 2024 with in-person and hybrid listening sessions with stakeholders, scientists, and community members. During these listening sessions participants will define target areas of study and form focus groups.</p>
Method/Procedure: <p>This will start with a review of the past efforts on community led dust on snow initiatives. One important part is to review past interviews with community members that experience dust mobilization as well as the subsequent hydrologic impacts. WII will identify if there are gaps in the demographics and geographies that have been included, and if they are identified, WII will pursue additional interviews to ensure that all communities and perspectives are included in the discussion. This is vital as this issue spans a large geography with many different land uses and ownerships. Addressing this issue successfully means that coordination and cohesion between different land managers and community members must be strong. Once our initial data gathering and interviewing is complete, WII will hold initial hybrid listening sessions. This will include at least two hybrid in-person and online listening sessions. Here WII will present interview data as well as allow community members, stakeholders, and leading scientists to present their perspectives and latest scientific understanding. From this, WII will identify key areas of concern and organize into focus groups around those areas of concern.</p>
Deliverable: <p>WII will provide CWCB with:</p> <ul style="list-style-type: none"> ● an edited transcript of video of the talks that are conducted, highlighting the diverse impact of dust on snow ranging from hydrologic impacts, to public health and respiratory issues, to hazards related to driving in intense dust storms. ● a report summarizing notes from listening sessions that highlight key areas of concerns.

Task 2
Task 2 Focus Groups
Description of Task: <p>The focus groups formed during the initial listening sessions will meet twice a month for three months to study pressing land and water relations to work towards a solution to the dust on snow issue.</p>
Method/Procedure: <p>Task 2 is the focus of our efforts. Task 1 will provide the working group with identified areas of concern, as well as community members and experts that have the knowledge and skills to solve their identified area. These groups will consist of 3-5 team members that span a variety of skill sets that could include education, story telling, hydrology, agronomy, soil science, climate science, and communication. Teams will be tasked with clearly identifying the issues, this includes the geography it occurs in, the primary mechanisms of concern, people and ecosystems impacted. Teams will then work through the three month periods to then construct a shovel ready pilot project that addresses the teams target area of concern. Teams will have milestones during the three month period that ensures that the objects will be accomplished in a timely manner. There will be monthly meetings with the larger working group to ensure that information and knowledge is being shared to reduce redundant efforts and encourage synchronicity between the projects and geographies.</p>
Deliverable:

WII will provide CWCB:

- At least three reports, each summarizing one identified area of concern, including identified metrics outlined in the methods above, a full written proposal of a pilot project to directly address this issue, relevant stakeholders to include, applicable geography, methods, proof of concepts, budget, and target funding.
- Possible areas of concern could include education, range management, farming and agriculture, public health, soil science, hydro-climatic modeling, data visualization, or community organization.

Task 3

Task 3 In-Person Field Stations Workshop

Description of Task:

The project will conclude with a three-day in-person Field Stations workshop to share findings from the three-month study period.

Method/Procedure:

Task 3 will be the culmination and finalization of the project: a three day workshop taking place in Cortez, Colorado. Day one, the working group will meet and conduct site tours to areas of dust mobilization as well as places where innovation is occurring. WII currently plans to visit Ute Mountain Ute and Navajo Nation Reservations to view their farming practices that aim to increase soil moisture retention and decrease dust mobilization and transport.

The second day, the groups will spend presenting their target area of concern as well as their proposed solutions. This will take the form of both presentations as well as in depth question and discussion periods.

During the third day, the working group will work to prioritize the proposed pilot projects with the goal of creating a community and science backed, shovel ready pilot program to address dust on snow in the Southwest basin.

The work here will culminate in a final report summarizing all areas of concern, possible solutions, priority areas. This work will then be summarized into a presentation that will be presented to multiple communities throughout the geography that allows them to comment and provide input on the projects.

Deliverables:

WII will provide CWCB with:

- a final report summarizing the workshop and community input. This will include detailed proposals from the identified groups of concern. This will serve as the foundation for a larger grant proposal that looks to implement multiple shovel ready projects across the Southwest basin, aimed at mitigating dust on snow and subsequent environmental impacts.
- copy of (and invitation to) presentation of results and next steps to the Southwest Basins Roundtable.

Budget and Schedule

This Budget and Schedule reflects the tasks identified in the Statement of Work:

Task No.	Task Description	Estimated Task Start Date	Estimated Task End Date	Grant Funding	Match Funding	Total
1	In-Person and Hybrid Listening Sessions	July 2024	July 2024	\$0.00	\$5,775.00	\$5,775.00
2	Focus Groups	July 2024	August 2024	\$0.00	\$12,000.00	\$12,000.00
3	In-Person Field Stations Workshop	Sept 2024	Oct 2024	\$20,000.00	\$77,800.00	\$97,800.00
Total				\$20,000.00	\$95,575.00	\$115,575.00

Reporting Requirements

Progress Reports: The grantee shall provide the CWCB a progress report every six months, beginning from the date of issuance of the grant agreement. The progress report shall describe the status of the tasks identified in the statement of work, including a description of any major issues that have occurred and any corrective action taken to address these issues.

Final Report: At completion of the project, the applicant shall provide the CWCB a final report on the applicant's letterhead that:

- Summarizes the project and how the project was completed.
- Describes any obstacles encountered, and how these obstacles were overcome.
- Confirms that all matching commitments have been fulfilled.
- Includes photographs, summaries of meetings and engineering reports/designs.

The CWCB will pay out the last 10% of the budget when the final report is completed to the satisfaction of CWCB staff. Once the final report has been accepted, and final payment has been issued, the grant agreement will be closed without any further payment.

Payment

Payment will be made based on actual expenditures and must include invoices for all work completed. The request for payment must include a description of the work accomplished by task, an estimate of the percent completion for individual tasks and the entire project in relation to the percentage of budget spent, identification of any major issues, and proposed or implemented corrective actions.

Costs incurred prior to the effective date of this grant agreement are not reimbursable. The last 10% of the entire grant will be paid out when the final deliverable has been received. All products, data and information developed as a result of the grant agreement must be provided to the CWCB as part of the project documentation.

Performance Measures

Performance measures for the grant agreement shall include the following:

(a) Performance standards and evaluation: Grantee will produce detailed deliverables for each task as specified. Grantee shall maintain receipts for all project expenses and documentation of the minimum in-kind contributions (if applicable) per the budget. Per grant guidelines, the CWCB will pay out the last 10% of the budget when the final report is completed to the satisfaction of CWCB staff. Once the final report has been accepted, and final payment has been issued, the grant agreement will be closed without any further payment.

(b) Accountability: Per grant guidelines full documentation of project progress must be submitted with each invoice for reimbursement. Grantee must confirm that all grant conditions have been complied with on each invoice. In addition, per Grant Guidelines, progress reports must be submitted at least once every 6 months. A final report must be submitted and approved before final project payment.

(c) Monitoring Requirements: Grantee is responsible for ongoing monitoring of project progress per Exhibit A. Progress shall be detailed in each invoice and in each progress report, as detailed above. Additional inspections or field consultations will be arranged as may be necessary.

(d) Noncompliance Resolution: Payment will be withheld if grantee is not current on all grant conditions. Flagrant disregard for grant conditions will result in a stop work order and cancellation of the grant agreement.