

**PINEDALE ANTICLINE PROJECT OFFICE (PAPO)**

1625 West Pine  
PO Box 768  
Pinedale, Wyoming 82941  
Attention: Project Coordinator 307-367-5386

**APPLICATION FOR FUNDING**  
(use additional sheets if necessary)

**1. GENERAL PROJECT INFORMATION**

*Project Name:* Reservoir Well

*General Location* (distance and direction from nearest city/town, attach map at a scale not less than 1/2" = 1 mile):

West Anticline, Mesa Common Allotment

*Legal Location of Project* (attach map at a scale not less than 1" = 2,000').

Township: T 31 N

Range: R 110 W

Section(s): 1

County: Sublette

*Surface Ownership* (check all that apply): Federal  State  Private

\*\*If project includes a mosaic of land ownerships (e.g., mix of federal, state and/or fee lands), provide a breakdown for each specific owner by acres and percent of total project area.

*Contact Information for Affected Parties or Agencies:*

Therese Hartman, WGFD, therese.hartman@wyo.gov

Windy Kelley, WDA, windy.kelley@wyo.gov

Charles Price, Mesa Common Allotment, cprice@wildblue.net

Travis Ames, BLM, travis\_ames@blm.gov

**2. APPLICANT INFORMATION**

*Name/Organization:* PAPO

*Mailing Address:* P.O. Box 768

*City:* Pinedale *State:* WY *Zip Code:* 82941

*Daytime Phone #* 307-367-5300 *Fax #*

Email Address: *therese.hartman@wyo.gov* OR *windy.kelley@wyo.gov*

Point of Contact (if different from above)

### 3. PROJECT DESCRIPTION

General Project Type (check all that apply):

Land Use/Livestock

Land Use/Recreation \_\_\_\_\_

Cultural \_\_\_\_\_

Wildlife

Air \_\_\_\_\_

Other \_\_\_\_\_

Describe Project Proposal (e.g., mechanical treatment, water improvement, etc.)

This is a solar powered water development project. The project will help to protect reclamation in the core gas development area by redistributing ungulate grazing with a new water development while taking sage-grouse needs into consideration. The project will include drilling a water well with one or two stock tanks and overflow provisions to create one/two green zone(s) depending on water quality. Water test will be conducted to determine water quality. If a green zone is created, it would be fenced to prevent use from ungulates causing degradation of the resource. This project includes a contingency fund to be held for 5 years to cover repairs, if needed. The equipment area including solar panels and well will be fenced and include an access gate. Pipe pole fencing is preferred for all fencing and will include raptor perch deterrents. Solar panels will be designed to be portable so that they can be moved to and from the location frost to frost. A minimal two-track road would need to be constructed for site access. The appropriate number of bird ramps will be installed in the stock tank(s) based on best management standards. This project will result in extended, season-long (frost to frost) access to water by wildlife, as well as water for livestock (approximately one to two months of livestock use). Maintaining this well and extending the duration of available water will help to disperse impacts to adjacent resources by wildlife and livestock.

Total Project Acres (if applicable) approximately 5 acres for water development site including green zone and approximately 1.5 acres for the road.

Acres Indirectly Affected (if applicable, explain) n/a

### 4. OBJECTIVES OF PROJECT, AND BENEFITS TO PAPO OFF-SITE MITIGATION STRATEGIC GOALS.

#### Purpose

To promote and maintain healthy wildlife habitat in an effort to mitigate impacts from oil and gas development on the Pinedale Anticline Project Area. Reduce impacts to reclamation from livestock grazing within the Core Development Area. The specific location was selected to protect sage-grouse.

#### Goal:

- 1) Develop/improve water sources for wildlife outside of core gas development area
- 2) Develop/improve water sources on the Pinedale Anticline to promote successful reclamation within the core gas development area
- 3) Compared to existing sites, site selection is further from overhead power lines and should provide

sage-grouse protection from predation.

## Need

To improve opportunity for reclamation success livestock distribution needs to be diverted away from the Core Development Area.

There is a need to provide drinking water for livestock and wildlife outside of the Core Development Area to redistribute grazing.

Permittees have an option to reconstruct an existing water reservoir. However, the permittees have agreed to consider an alternative due to concerns for a nearby sage-grouse lek. It is feared that reconstructing the existing water reservoir could contribute to sage-grouse predation, putting birds at risk due to an overhead power line located near the existing reservoir. The proposed location is expected to meet the needs of the permittees and protect sage-grouse while reducing impacts to reclamation within the core development area.

The following identifies which strategic plan goals, objectives, and strategies this project will meet, and provides a brief description of how:

### Goal 1: benefit wildlife on a landscape scale ...

- By redistributing grazing ungulates away from industries reclamation in the core Pinedale Anticline project development area (PAPA), and protecting sage-grouse from predation (i.e., compared to the location of the existing reservoir).

### Objective 1: maintain, conserve, restore and/or enhance habitat and habitat function ... [with the following strategies]

#### Strategy 2: work with partners ... habitat projects that will benefit impacted species

- This project is a cooperative effort among the BLM, livestock permittees, and the PAPO office
- This project will help mitigate impacts of oil and gas development on wildlife habitat, and mitigate impacts of ungulate grazing to reclamation, which will benefit mule deer, pronghorn, and sage-grouse

#### Strategy 3: maintain healthy rangelands ...

- Redistribution of grazing will support standards for healthy rangelands

### Goal 7: Reclamation Monitoring

- This project is designed to reduce impacts to industry reclamation in the PAPA from grazing, and help facilitate successful reclamation.

## 5. DIRECT/INDIRECT EFFECTS ON OTHER RESOURCES. (if applicable)

This project provides several benefits for wildlife including, but not limited to: 1) water source for brood-rearing sage-grouse; 2) provide water for mule deer and pronghorn during the fall migration; 3) the potential green zone will provide song bird habitat; and 4) overall rangeland health by distributing grazing ungulates.

## 6. POTENTIAL FOR FUTURE EXPANSION OF PROJECT. Explain

If a green zone is deemed feasible, a fence will be built around it to prevent undesired impacts to the area associated with grazing. A contingency fund has been allocated to cover fence maintenance, for up to 5 years once the green zone is established.

**7. LIST ALL PROJECT PARTNERS/COOPERATORS, THEIR ROLES AND/OR CONTRIBUTIONS**

PAPO – partial funder; annual monitoring (see below # 8); coordinate the necessary permits/authorizations (e.g., cultural resource inventory); coordinate the development of the 2-track road and water well development with the BLM

BLM – potential for 8100 funds

Mesa Common Allotment Permittees (PAPA Livestock Fund)– partial funder; annual maintenance of water tanks and solar panels; coordinate with the Wyoming Game and Fish about turning the water on and off (frost to frost)

Grazing Association – partial funder

**8. PROJECT MONITORING AND REPORTING (Describe how monitoring and reporting will be done, and how it relates to the objectives)**

If a green zone is deemed feasible, permanent photo points of the green zone will be established and taken by the PAPO annually for a minimum of 5 years.

**9. RESEARCH POTENTIAL**

Not applicable.

**10. PERMITS AND AUTHORIZATIONS REQUIRED PRIOR TO PROJECT IMPLEMENTATION (including but not necessarily limited to the following):**

PERMIT OR AUTHORIZATION	REQUIRED		SUBMITTED		APPROVED	
	Yes	No	Yes	No	Yes	No
Cultural Resource Inventory	X			X		X
Wyoming State Engineers Appropriation for Ground Water Permit	X			X		X
Cooperative Agreement(s) *						
NEPA Analysis	X			X		X
Pesticide Application Permit		X	n/a	n/a	n/a	n/a
Private Landowner Agreement(s)		X	n/a	n/a	n/a	n/a
Sensitive Species Clearance		X	n/a	n/a	n/a	n/a
Surface/Ground Water Permits		X	n/a	n/a	n/a	n/a
T/E Species Clearance		X	n/a	n/a	n/a	n/a
Other (explain) n/a						

\*Permittees have requested a cooperative agreement to be initiated when this project is approved for funding. A Cooperative Agreement between permittees and the BLM will be completed prior to project implementation. This Agreement will insure permittees responsibilities related to this project would expire should the permittees lose their grazing lease/permit for the Mesa Common Allotment.

<b>11. TOTAL PROJECT COST (Attach detailed budget)</b>	
Project Planning and Design (NEPA)	\$ <u>70,000.00</u>
Project Implementation	\$ <u>65,000.00</u>
Project Operation and Maintenance	\$ <u>6,500.00</u>
Total Required	\$ <u>141,500.00</u>
<b>12. MATCHING FUNDS ANTICIPATED IN CASH (list source and amount)</b>	
Grazing Association, \$5,000.00; PAPA Livestock Fund, \$15,000.00	
<b>13. ANTICIPATED "IN KIND" MATCHING FUNDS (list source, valuation, and valuation method)</b>	
PAPO, NEPA \$70,000.00	
<b>14. PERCENTAGE OF FUNDING ON HAND OR COMMITTED</b>	
63% (\$90,000.00)	
<b>15. TOTAL PAPO FUNDING REQUESTED: \$ 51,500.00</b>	
<b>16. EXPECTED/ANTICIPATED LIFE OF PROJECT (LOP)</b>	
Perpetual _____ > 50 Years _____ 25-50 Years <u>X</u> < 25 Years _____	
Explain Basis for Projected LOP: The anticipated longevity of the solar panel and pump units is at least 25 years, with normal wear and tear (i.e., climate).	
<b>17. PROJECT TIMELINE AND ESTIMATED COMPLETION DATE. Explain</b>	
Well to be drilled in 2012 and trough set, solar set-up equipped in 2013. Project complete by the end of 2013	
<b>18. ATTACHMENTS AND SUPPORTING DOCUMENTATION</b>	
Project Design/Maps	<u>X</u>
Letter of Commitment	<u>X</u>
Management Plan	Long Term _____ Short Term _____ <sup>1</sup>
Monitoring Plan	Long Term _____ Short Term _____ <sup>1</sup>
Relevant Past Experience	Other _____ Explain:
<sup>1</sup> Long term is defined as greater than (>) 5 years; short term is less than (<) 5 years.	
<b>19. ADDITIONAL INFORMATION FOR PAPO CONSIDERATION</b>	
If this project is not implemented the permittees have the option and will likely develop the Charles Price	

Reservoir, which will be a detriment to sage-grouse. Access road location is subject to arch review.

20. **ACKNOWLEDGEMENT:** this project and requested funding is subject to approval by the PAPO Pinedale Anticline Mitigation Management Board.

Charles C. Price

Signed

Charles C. Price

Printed Name

Mesa Permittee Representative

Title

2/16/2012

Date

Windy K. Kelley

Windy K. Kelley - JIO/PADO WDA

02/16/2012

Therese Hartman

Therese Hartman

PAPO wildlife Mitigation Biologist

2/16/2012

**Reservoir Well Cost Estimate**

NEPA	\$70,000
<b>TOTAL</b>	<b>\$70,000</b>

Drilling and outfitting of well (\$50.00 /ft X 700ft.)	\$35,000.00
Solar setup with trailer	\$15,000.00
Trough and cement work	\$5,000.00
Fence (\$5.00/ft)	\$10,000.00
<b>TOTAL</b>	<b>\$65,000.00</b>

Contengency fund (10% of project implementation costs)	\$6,500.00
<b>TOTAL</b>	<b>\$6,500.00</b>

PAPA Livestock Fund	(\$15,000.00)
Grazing Association	(\$5,000.00)
<b>TOTAL</b>	<b>(\$20,000.00)</b>

NEPA/Cultural	(\$70,000)
<b>TOTAL</b>	<b>(\$70,000)</b>

Updated 02.16.12

February 10, 2012

PAPO Board of Directors  
c/o Eric G. Decker  
P. O. Box 768  
Pinedale, WY 83115

Charles C. Price  
Mesa Permittees Representative  
P. O. Box 375  
Daniel, WY 83115

Dear Mr. Decker,

Please accept this as a letter of commitment to establish a water well on the Mesa portion of the Pinedale Anticline Project Area (PAPA). The well will be located in T 31N, R 110 W, Sec 1. The precise location of the well will be recorded with GPS coordinates following the archeological and cultural clearances. This well will replace a proposed reservoir development that was determined to be too close to a sage grouse lek and a power line and as a consequence could lead to a higher sage grouse mortality level.

The well will be designed to serve wildlife and live stock. The well will serve wildlife as a water source. A fenced green-spot will allow wildlife to enter to drink and eat, but exclude livestock. The water source will draw livestock away from the industrial development along the spine of the anticline reducing the grazing on the reclaimed areas disturbed by the industrial use. The livestock will be drawn to an area that is under utilized for grazing allowing for a better dispersion of the livestock on the Mesa Common allotment. The pumping power for the well will be from a solar photovoltaic system. Water in the tank will serve as the storage medium and excess water will be used on the green area. The system will be nominally active from frost-out to freeze-up, about May 1 to October 15. The cattle will use the area and water source from May through June.

I estimate that the depth of the well will be 700 feet or less and the static water head will be 200 feet or less, measured down from the ground surface. My estimate of the cost for the well is \$55,000.

1. \$35,000 -- Well drilling and completion.
2. \$15,000 -- Solar power, pump, wiring, and associated control systems. This will include trailer mounted solar panels and controls which will be put in place at the start and removed at the end of each season of use.
3. \$5,000 -- Water storage. This is currently projected to be a galvanized ring tank. A "tire tank" is possible and may be used if enough water storage can be achieved.

I believe my estimate of \$55,000 will provide for the above three major components of the development and allow for the miscellaneous piping. Some of the miscellaneous work will be done by the grazing permittees.

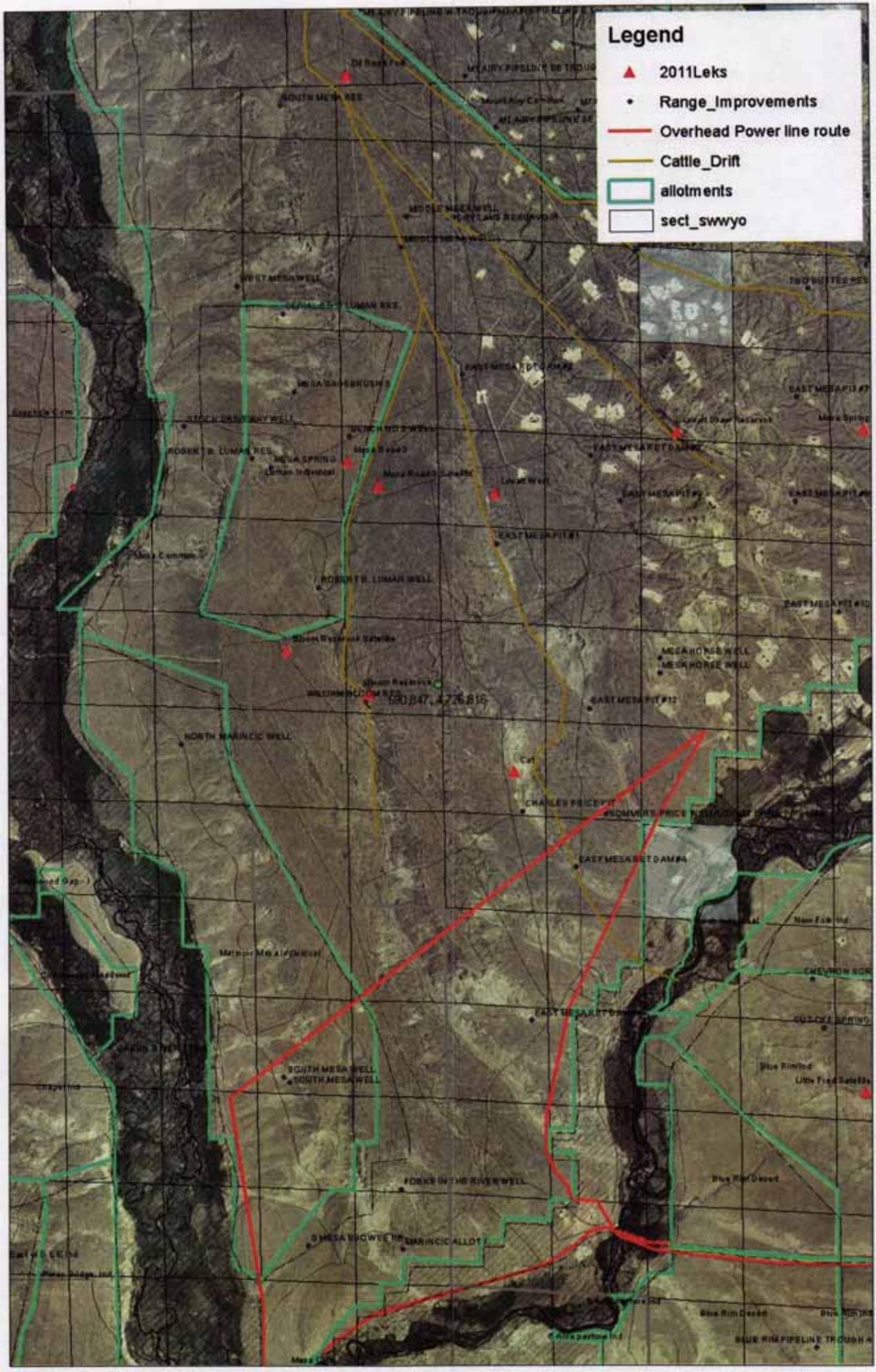
To fund this well development I have obtained verbal commitments from the Mesa User Group of the Upper Green river Cattle Association (\$5,000), and the Pinedale Anticline Livestock Mitigation Fund (\$15,000). I am in the process of obtaining written commitments from these sources for a total of \$20,000 toward this project.

By this letter I am requesting a commitment of \$51,500 from the JIO/PAPO mitigation fund for the proposed project. It is my plan to complete the project by the fall of 2012.

Sincerely,

A handwritten signature in cursive script that reads "Charles C. Price". The signature is written in black ink and is positioned to the right of the typed name.

Charles C. Price



### Legend

- ▲ 2011Leaks
- Range\_Improvements
- Overhead Power line route
- Cattle\_Drift
- allotments
- sect\_swryo