

**ARIZONA GAME AND FISH DEPARTMENT
HABITAT PARTNERSHIP COMMITTEE
HABITAT ENHANCEMENT AND WILDLIFE MANAGEMENT PROPOSAL**

Game Branch / HPC Project Number: 15-614

PROJECT INFORMATION

Project Title: Rocky Dublin Solar Well Water System

Region and Game Management Unit: Region 6/ GMU 23 South

Local Habitat Partnership Committee (LHPC):

- Payson Natural Resource Committee

Was the project presented to the LHPC?

YES[X] NO[]

Has this project been submitted in previous years? YES[] NO[X]

If Yes, was it funded? YES[] NO[] → **Funded HPC Project #(s):**

Project Type: Well water system

Brief Project Summary: This project will involve solar conversion of the Rocky Dublin windmill and installation of trough(s) and poly water pipeline. The site has been cleared by the forest service as part of maintenance on an existing range improvement.

Big Game Wildlife Species to Benefit: Mule deer, Javelina

Implementation Schedule (Month/Day/Year):

Project Start Date:

Spring/summer 2016

Project End Date:

End of 2016

Environmental Compliance:

NEPA Completed: Yes[X] No[] N/A[]

Projected Completion Date: _____

State Historic Preservation Office - Archaeological Clearance:

Yes[X] No[] N/A[]

Projected Completion Date: _____

Arizona Game and Fish Department EA Checklist: N/A[]

To be Completed by: Joe Sayer

Projected Completion Date: Fall 2015

PROJECT FUNDING

Special Big Game License Tag Funds Requested:

\$ 7,000

Cost Share or Matching Funds:

\$ 5,000

Total Project Costs:

\$ 12,000

PARTICIPANT INFORMATION

Applicant (please print):

Joe Sayer, WM

Address: 7200 E. University

Mesa, AZ 85207

E-mail:

jsayer@azgfd.gov

Telephone: 480-639-9970

Date: August 26, 2015

AGFD Contact and Phone No. (If applicant is not AGFD personnel):

Project has been coordinated with: _____

NEED STATEMENT – PROBLEM ANALYSIS: The need of water sources in 23S is part of the overall long-term habitat needs that will improve deer habitat and sustain a viable to growing population. GMU 23 South used to sustain a much larger deer herd. Part of the problem with the depressed population that currently exists is water availability. The Juniper and Walnut areas have a growing mule deer herd.

PROJECT OBJECTIVES: This project relocates the existing drinker off of an archeological site and adds a 1500 gallon storage tank. It is also planned to convert an existing windmill well into a more reliable water source.

PROJECT DESCRIPTION AND STRATEGIES: The Rocky Dublin well is currently a wind driven well which is not producing due to the lack of wind. It also has a drinker that is located near an archeological site. The well will be converted into a solar powered pump and pipe will be laid approximately .5 miles to a concrete drinker with a built in wildlife use/escape ramp.

This project is NEPA ready. The EAC is to be completed. Archeological Clearances and Categorical Exclusions have been completed by the Forest Service for the poly pipe, drinker and 1500 gallon storage tank. The conversion of the windmill to a solar system is in the process of being cleared by The Tonto Ranger District but has yet to be cleared by the Forest. An updated proposal will be submitted once permission is granted.

PROJECT LOCATION: This project is located in the Tonto Basin Ranger District near Lower Juniper Canyon, just East of Forest Road 71. See attached map.



LAND OWNERSHIP AT THE PROJECT SITE(S):

(if the project area is private property, please state specifically and provide the landowner's name)

- United States Forest Service, Tonto Basin Ranger District

*IF PRIVATE PROPERTY, IS THERE A COOPERATIVE BIG GAME STEWARDSHIP or
LANDOWNER AGREEMENT BETWEEN THE LANDOWNER AND THE DEPARTMENT?*

YES[] NO[] N/A[X]

HABITAT DESCRIPTION:

Sonoran Desert Scrub with mixed juniper, mesquite, jojoba, prickly pear and cholla. The elevation is about 2700 feet.

ITEMIZED USE OF FUNDS:

Special Big Game License Tag Funds

TOTAL GRANT FUNDS REQUESTED: \$7,000

Cost Share or Matching Funds (for volunteer labor rates please refer to the worksheet below)

Anticipated Costs are:

| | |
|------------------------|---------|
| Solar system | \$2,500 |
| Storage tank- 3,000Gal | \$1,700 |
| Poly pipe- 1.5 miles | \$2,000 |
| Drinker - \$800 | \$800 |

Materials Total: \$7,000

USDA Forest Service, T.N.F –NEPA
and Archeological Clearances : \$2,000

Arizona Game and Fish
project origination and coordination \$1,000

Permitee Labor, misc. plumbing and fuel costs: \$2,000

Cost Share Total: \$5,000

Total Costs: \$12,000

LIST COOPERATORS AND DESCRIBE POTENTIAL PARTICIPATION:

Arizona Game & Fish Department: Labor, in-kind labor writing proposal and coordinate completion report, site visits and maintenance after completion.

USDA T.N.F, Tonto Basin Ranger District: NEPA and Archeological Clearances.

Permitee (O bar C Ranch): Implement project and perform maintenance. Provide labor to install solar, poly pipe and build drinkers.

Non-Profit Organization (possible funding partners): Mule Deer Foundation (MDF)

WOULD IMPLEMENTATION OF THIS PROJECT ASSIST IN PROVIDING, MAINTAINING, OR FACILITATING RECREATIONAL ACCESS?

YES[] NO[] N/A[X]

PROJECT MONITORING PLAN: No monitoring will be required other than regular water level checks and maintenance, to be conducted by the Permitee.

PROJECT MAINTENANCE: To be performed by the Permitee.

PROJECT COMPLETION REPORT TO BE FILED BY: Project Author

WATER DEVELOPMENT PROJECTS (*please use the worksheet below*):

TREE CLEARING/REMOVAL PROJECTS (*please use the worksheet below*):

ARIZONA GAME AND FISH DEPARTMENT **WATER DEVELOPMENT WORKSHEET**

PROJECT TITLE: _____

- 1) **Is the water development listed as a priority in the most recent “Wildlife Water Development Annual Implementation Schedule?”**
Project not presented to Game Branch
- 2) **Please list the Development Branch personnel and date coordinated with for this project.**
- 3) **What is the estimated annual inches of precipitation for the area? (mark one)**
☐2-4 ☐4-6 ☐6-8 ☐8-10 ☒10-12 ☐12-14 ☐14-16 ☐ >16
- 4) **Is there a perennial water source available to big game within four miles of this project?**

YES☒ (please complete #5 below) NO☐ (skip #5 below)

- 5) **For the accessible, perennial water source nearest this project:**
Name of water source: Edwards spring
Type of water source (catchment, spring, dirt tank, etc.): Spring
Ownership of water source: USFS, Tonto Basin Ranger District
Distance in miles from project: about 2.0 miles
- 6) **Is the target wildlife species a result of transplant efforts?** YES☐ NO☒
- 7) **Please list any special land management status for the project site (i.e. Wilderness, National Park, National Monument). If private land, list landowner.**
- 8) **Please provide the following information about access to the proposed site:**
Type of access (mark one): ☒2x4 vehicles ☐4x4 only ☐foot only**

**If foot access only: Distance in miles: _____ Approximate hiking time: _____

-- Does access to this site require crossing private or tribal lands? YES☐ NO☒

-- Please describe any restrictions to public access:

- 9) **Please list below (or on a separate sheet) the material type and dimensions of each component proposed to be added, modified, or repaired.**

| | |
|------------------------|---------|
| Solar system | \$2,500 |
| Storage tank- 3,000Gal | \$1,700 |
| Poly pipe- 1.5 miles | \$4,000 |
| Drinker 2@ \$800 | \$1,600 |

Materials and equipment rental Total: **\$9,100**

- 10) **Was a site visit completed?** Yes☒ No☐

If Yes, please list personnel that attended and date.
Eric Hoskins, 2015

ARIZONA GAME AND FISH DEPARTMENT

VOLUNTEER HOURLY RATES AND CLASSIFICATIONS WORKSHEET

PROJECT TITLE: _____

The value of volunteer labor should be calculated at the hourly rate of an employee doing similar work, or using hourly rates from the Arizona Department of Administration's Human Resource web site, plus a standard ERE rate of 35%. http://www.hr.az.gov/HR_Professional/Class_Comp/PDF/alphacovered.pdf

\$0.445/mile should be the calculation used for mileage.

| | | | | |
|---|------------------------|------------------------|--------------------|------------------------|
| Water Development | Volunteer Hours | Volunteer Miles | Hourly Rate | Estimated Value |
| | | | \$14.14 | |
| Habitat Restoration and Clean Up | Volunteer Hours | Volunteer Miles | Hourly Rate | Estimated Value |
| | | | \$14.14 | |
| Fisheries | Volunteer Hours | Volunteer Miles | Hourly Rate | Estimated Value |
| | | | \$14.14 | |
| Nongame Branch Project | Volunteer Hours | Volunteer Miles | Hourly Rate | Estimated Value |
| | | | \$14.14 | |
| Misc/office work | Volunteer Hours | Volunteer Miles | Hourly Rate | Estimated Value |
| | | | varies | |
| Community Services | Volunteer Hours | Volunteer Miles | Hourly Rate | Estimated Value |
| | | | \$7.44 | |
| Events and Other | Volunteer Hours | Volunteer Miles | Hourly Rate | Estimated Value |
| | | | \$14.14 | |
| Research Branch | Volunteer Hours | Volunteer Miles | Hourly Rate | Estimated Value |
| | | | \$14.14 | |
| Wildlife Area Hosts | Volunteer Hours | Volunteer Miles | Hourly Rate | Estimated Value |
| | | | \$17.44 | |
| Education Programs | Volunteer Hours | Volunteer Miles | Hourly Rate | Estimated Value |
| | | | \$16.07 | |
| Totals | | | | |