

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

Game Branch / HPC Project Number: 16-308

PROJECT INFORMATION

Project Title: Yavapai Ranch Solar Conversions 2016

Region and Game Management Unit: Region III, Units 17A and 19B

Local Habitat Partnership Committee (LHPC):
• Yavapai Regional HPC

Was the project presented to the LHPC?
YES[] NO[x]

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

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

Project Type: Water Re-Development / Solar Pumping Systems

Brief Project Summary: Solar pumping systems will be added to five existing wells on private land on the Yavapai Ranch. These pumping systems will benefit livestock, and also wildlife by providing water to storage tanks and drinkers even when cattle are not present in the pastures containing the wells.

Big Game Wildlife Species to Benefit (% benefit per species) : 80% Mule Deer, 20% Elk

Implementation Schedule (Month/Day/Year):

Project Start Date: 02/01/17

Project End Date: 02/01/22

Environmental Compliance:

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

Projected Completion Date: _____

State Historic Preservation Office - Archaeological Clearance:
(Provide Attachment)

Yes[] No[] N/A[x]

Projected Completion Date: Coordination with PEP already started

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

To be Completed by: Jake Fousek

Projected Completion Date: Assessment Worksheet Complete

PROJECT FUNDING

Special Big Game License Tag Funds Requested: \$ 38,831.40

Cost Share or Matching Funds: \$ 17,971.20

Total Project Costs: \$ 56,802.60

PARTICIPANT INFORMATION

Applicant (please print):
Jake Fousek

Address:
AGFD Region III
5325 N Stockton Hill Road
Kingman, AZ 86409

E-mail:
jfousek@azgfd.gov

Telephone: 928 583 4951

Date: 08/30/16

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

Project has been coordinated with:

Yavapai Ranch, Mule Deer Foundation, Arizona Game and Fish Department

NEED STATEMENT – PROBLEM ANALYSIS:

The Yavapai Ranch has an existing infrastructure of wells to provide water to livestock. These wells also provide water to wildlife in the area. Currently, most wells are pumped using wind mills and/or submersible pumps powered by gasoline generators. Due to manpower, maintenance, and financial issues associated with these types of pumping systems, the wells are generally only pumped when cattle are present in the pastures they provide water to. The addition of solar pumping systems will enable the wells to be pumped even when cattle are not present with few issues to the ranch. The Yavapai Ranch has been very supportive of public access, even on private sections of the ranch. There is currently an access agreement in place. Many ranches in the area are closed to public access making habitat enhancement important on the Yavapai.

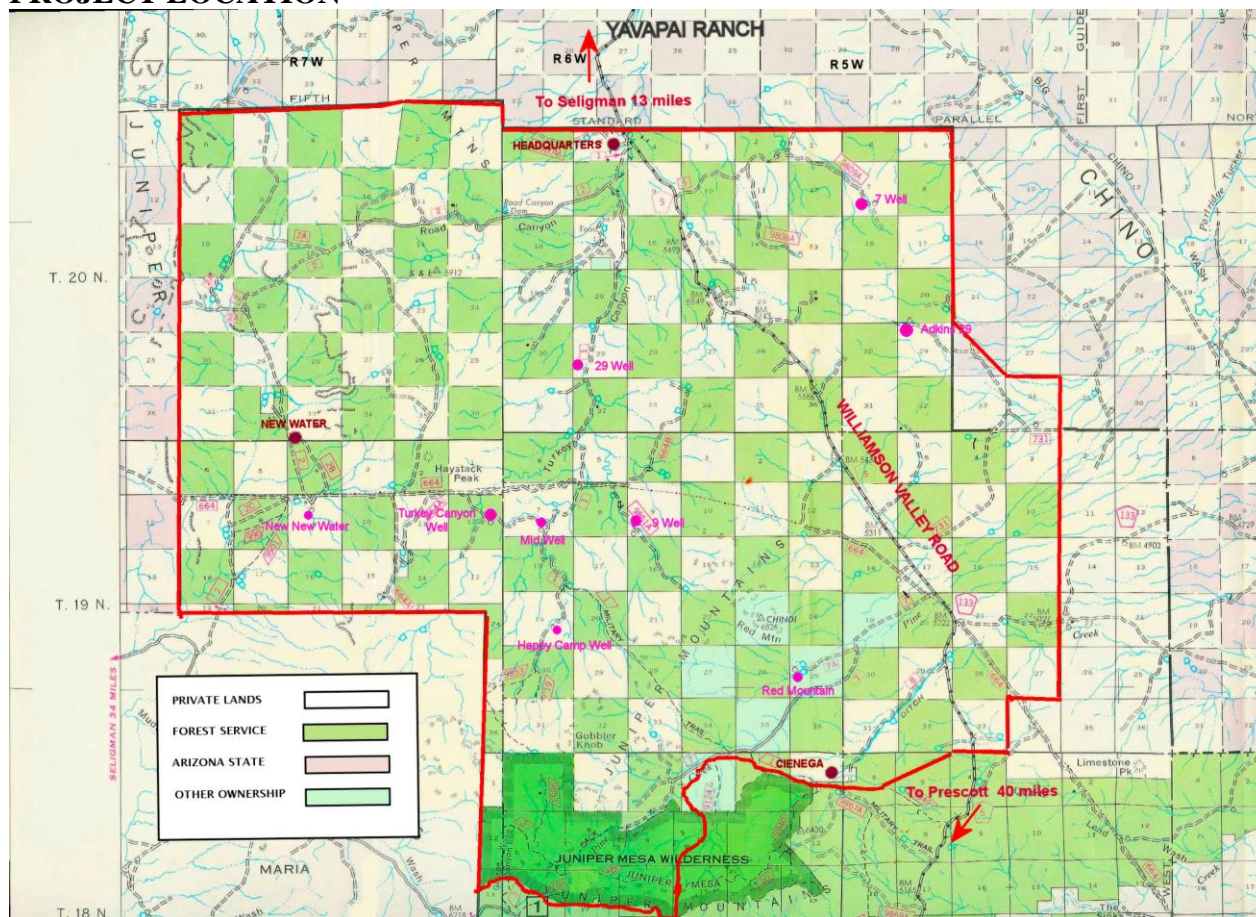
PROJECT OBJECTIVES:

Add solar pumping systems to five wells on the Yavapai Ranch.

PROJECT DESCRIPTION AND STRATEGIES:

A contractor will be hired to complete the installation of the solar pumping systems. Equipment will be purchased, with the exception of the solar panels being donated to Yavapai Ranch from the Mule Deer Foundation. The current priorities for the addition of solar pumping systems are Happy Camp Well, 7 Well, 9 Well, Adkins 29 Well, and Red Mountain Well. Most wells provide water to storage tanks, pipelines, and multiple drinkers. The overall project will make many drinkers on the ranch more reliable water sources for wildlife.

PROJECT LOCATION



LAND OWNERSHIP AT THE PROJECT SITE(S):

- Private Property owned by Yavapai Ranch, LP.

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

YES[x] NO[] N/A[]

HABITAT DESCRIPTION:

Semi Desert Grassland, Pinyon Juniper Woodland, Ponderosa Pine Woodland.

ITEMIZED USE OF FUNDS:

Special Big Game License Tag Funds

Equipment/Labor	\$7,766.28 per well	Total	\$38,831.40
-----------------	---------------------	-------	-------------

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

Solar Panels (MDF)	\$3,368.00 per well	Total	\$16,840.00
--------------------	---------------------	-------	-------------

Yavapai Ranch Oversight	\$226.24 per well	Total	\$1,131.20
-------------------------	-------------------	-------	------------

Total Cost	\$56,802.60
------------	-------------

LIST COOPERATORS AND DESCRIBE POTENTIAL PARTICIPATION:

Yavapai Ranch

- Provide personnel for planning and oversight of implementation.
- Coordinate with AGFD on status of project.

Mule Deer Foundation

- Provide solar panels (valued at \$3,368.00 per well)
- Provide miscellaneous plumbing parts

AGFD

- Personnel to plan and monitor project including HPC project proposal and associated clearance compliance checks.
- Provide project completion report.
- Provide project overview at Yavapai Regional HPC ranking meeting.

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

YES[x] NO[] N/A[]

This project would build on an existing relationship between the Yavapai Ranch and AGFD. There is already an existing access agreement between the Yavapai and AGFD. The Mule Deer Foundation is also becoming an active partner by "Adopting" the Yavapai Ranch through the AGFD Adopt a Ranch Program. The Mule Deer Foundation will also be providing funding, as well as planning and implementation assistance for projects benefitting wildlife on the ranch.

PROJECT MONITORING PLAN:

The wells will be monitored in cooperation between the Yavapai Ranch, Mule Deer Foundation, and AGFD to ensure they are providing water to storage tanks and drinkers upon completion.

PROJECT MAINTENANCE:

Maintenance of the wells and the solar pumping systems will be the responsibility of the Yavapai Ranch as they will be Yavapai Ranch improvements.

PROJECT COMPLETION REPORT TO BE FILED BY:

Jake Fousek, WM FOR3

WATER DEVELOPMENT PROJECTS (please use the worksheet below):

N/A (Not AGFD Water Development)

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

N/A

ATTACHMENTS:

(Please provide cultural clearance documentation from land management agency, e.g., FONSI, Inventory Standards, etc. Also attach any project pictures)