

**Arizona Water Protection Fund
FY 2014 Grant Application Review**

Application # WPF0414 Applicant: Upper Verde River Watershed
Protection Coalition
Title of Project: UVRWPC Water Conservation Education
& Technical Assistance

Additional materials were submitted with this application that could not be reproduced and distributed for review. These materials may be reviewed in person at the Arizona Water Protection Fund offices at (3550 N. Central Avenue, 2nd Floor, Phoenix). The additional materials available are the following:

- Maps
- Photographs
- Disk
- Other

AUG 28 2013

WPF0414

Water Protection Fund

Arizona Water Protection Fund
Application Cover Page
FY 2014



ORIGINAL

Title of Project:											
Type of Project: <input type="checkbox"/> Capital or Other <input checked="" type="checkbox"/> Water Conservation <input type="checkbox"/> Research	Stream Type: <input checked="" type="checkbox"/> Perennial <input type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral										
Your level of commitment to maintenance of project benefits and capital improvements: <input checked="" type="checkbox"/> < 5 years <input type="checkbox"/> 5-10 years <input type="checkbox"/> 11-15 years <input type="checkbox"/> 16-20 years											
Applicant Information: Name/Organization: Upper Verde River Watershed Address 1: Protection Coalition Address 2: 7501 East Civic Circle City: Prescott Valley State: AZ ZIP Code: 86314 Phone: 928-759-3105 Fax: 928-759-3125 Tax ID No.: XXXXXXXXXX											
Inside an AMA: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> If yes, which AMA: <input type="checkbox"/> Phoenix <input type="checkbox"/> Tucson <input type="checkbox"/> Prescott <input type="checkbox"/> Pinal <input type="checkbox"/> Santa Cruz											
Type of Application: <input type="checkbox"/> New <input type="checkbox"/> Continuation											
Contact Person: John Munderloh Name: Water Resources Manager Title: Town of Prescott Valley Phone: 928-759-3105 Fax: 928-759-3125 e-mail: jmunderloh@pvaz.net											
Any Previous AWPf Grants: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, please provide Grant #(s):											
Arizona Water Protection Fund Grant Amount Requested: \$ 37,808 If the application is funded, will the Grantee intend to request an advance: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Matching Funds Obtained and Secured: <table border="1"> <thead> <tr> <th>Applicant/Agency/Organization:</th> <th>Amount (\$):</th> </tr> </thead> <tbody> <tr> <td>1. Applicant</td> <td>\$3,149</td> </tr> <tr> <td>2. Bureau of Reclamation</td> <td>\$5,000</td> </tr> <tr> <td>3.</td> <td></td> </tr> <tr> <td colspan="2" style="text-align: right;">Total: \$8,149</td> </tr> </tbody> </table>	Applicant/Agency/Organization:	Amount (\$):	1. Applicant	\$3,149	2. Bureau of Reclamation	\$5,000	3.		Total: \$8,149	
Applicant/Agency/Organization:	Amount (\$):										
1. Applicant	\$3,149										
2. Bureau of Reclamation	\$5,000										
3.											
Total: \$8,149											
Has your legal counsel or contracting authority reviewed and accepted the Grant Award Contract General Provisions? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A											
Signature of the undersigned certifies understanding and compliance with all terms, conditions and specifications in the attached application. Additionally, signature certifies that all information provided by the applicant is true and accurate. The undersigned acknowledges that intentional presentation of any false or fraudulent information, or knowingly concealing a material fact regarding this application is subject to criminal penalties as provided in A.R.S. Title 13. The Arizona Water Protection Fund Commission may approve Grant Awards with modifications to scope items, methodology, schedule, final products and/or budget.											
Typed Name of Applicant or Applicant's Authorized Representative John Munderloh	Title and Telephone Number Water Resources Manager, 928-759-3105										
Signature <i>John Munderloh</i>	Date Signed 8-27-13										

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**Upper Verde River Watershed Protection Coalition (UVRWPC)
Water Conservation Education and Technical Assistance**

Executive Summary

Water conservation is critical to protection of flows to the Verde River and its dependent tributaries, riparian areas and habitats. Major stressors on flows to the Verde River include:

- Groundwater pumping
- Drought
- Stream diversion
- Rapid population growth over the last two decades
- Proliferation of unregulated exempt wells throughout Yavapai County

The Upper Verde River Watershed Protection Coalition (UVRWPC), as part of its countywide watershed planning and management effort, has developed a program for small water provider technical services and support including emphases on water conservation measures and water conservation education. Two areas of focus have risen to the top as critical to small water providers. Their selection was based on operator and/or board discussions with Craig Brown, Yavapai County Supervisor; Arizona Department of Water Resources Best Management Practices; results of a water conservation study commissioned by the Coalition; and positive results realized by Coalition partners, also water providers, when identical measures were implemented in their service areas. Priorities to forward water conservation are:

- Assistance with development and adoption of tiered water rates
- Assistance with implementation of water conservation education targeted to customers of small water providers.

It is anticipated the Coalition will reach approximately 8,000 Yavapai County households with implementation of the proposed effort, which also involves collaboration with the City of Cottonwood Natural Resources Director and Yavapai County Water Advisory Coordinator, seen as pivotal in outreach to water providers in the Verde Valley. Both the City of Cottonwood and Yavapai County are represented on the Coalition's Watershed Management Committee; as well as the Nature Conservancy, available for advice and consultation on riparian systems.

A grant from the Arizona Water Protection Fund, with match from a U.S. Bureau of Reclamation grant, will support the Coalition's plan for water conservation education and implementation of water conservation measures outside of the Prescott Active Management Area. This effort will not be fully implemented without additional outside funding assistance.

The Coalition's request of \$38,000 from the Water Protection Fund with a match of \$5,000 from the Bureau of Reclamation and \$2,000 from the Coalition's operating budget will bring the cost to \$45,000 or \$5.60 per household reached in the first year of program implementation. This is one arm of a program providing technical assistance to small water providers, which also includes assistance with regulatory requirements, system optimization reviews, water supply studies, and grant writing. The project area has also been identified by the Bureau of Reclamation as having a "high likelihood" of conflict over water supply issues by 2025. This proposal is about resource conservation, and not only promotes the long-term preservation of flows to the Verde River and protects its environs, but also values water as a critical resource.

Project Overview

Background – The (UVRWPC) was established in 2006 by intergovernmental agreement. Partners included Yavapai County, the City of Prescott, Towns of Chino Valley, Prescott Valley and Dewey-Humboldt, and Yavapai-Prescott Indian Tribe. Dewey-Humboldt withdrew two years later citing budget concerns. Its mission to protect Upper Verde River base flows while balancing the reasonable water needs of residents who live and businesses that operate within watershed boundaries was defined at organization formation. Goals tied to the mission included:

- Identifying and promoting effective conservation practices for all water users.
- Efficiently managing projects that lead to the realization of safe yield.
- Adoption of Best Management Practices that are based on sound research and unbiased scientific information.
- Operating in an environment that fosters public participation, and open and honest dialog.

In January of 2012, members of the Coalition Technical Advisory Committee began to expand their focus to include work across the watershed, and in March the Coalition Executive Board unanimously approved the Watershed Initiative which laid the groundwork for inclusion of other stakeholders throughout the region. The Coalition was awarded a watershed planning grant by the United States Bureau of Reclamation in the summer of 2012 providing the necessary financial resources for formation of the Watershed Committee with a comprehensive membership of stakeholders including representation from the Coalition Technical Advisory Committee, local business and non-profit communities, private citizenry, mine claimholders, state and federal agencies, small water providers, and other local governing jurisdictions. Outreach to and collaboration with small water providers is a component of that grant. The Coalition was notified in July that it had achieved grant milestones established for year 1 and will receive year 2 funding.

In the spring of 2013, a program to provide water provider technical services and support was developed. Excluding the three major water providers (Prescott, Prescott Valley and Cottonwood), water is delivered to an estimated 40,000 people by small water providers operated as family businesses, public districts with elected boards, or managed under the umbrella of a private, non-profit organization.

Goal - The overarching program goal is to help small water providers conserve water, protect the Verde River and provide a secure water supply to water users, the citizens of Yavapai County.

Objectives – Plan objectives to be supported with funding from the Water Protection Fund include small water provider assistance with (1) development and adoption of tiered water rates; and (2) water conservation education delivered to customers of private water companies. The major objectives tied to this proposal are components of a broader plan of technical support and services that also includes assistance, as needed, with system optimization reviews, grant writing, water supply studies, and satisfying regulatory requirements. A third objective, unique to this proposal, is meeting all of the Water Protection Fund deadlines and requirements for reporting.

Objective #1 – Work with eight (8) of the largest small water providers, four in western Yavapai County located outside of the Prescott Active Management Area, and four in the Verde Valley. This will be accomplished with primary assistance from the Yavapai County Water Advisory Coordinator and member of the Coalition Technical Advisory Committee and Watershed Committee; and the City of Cottonwood Natural Resources Director and member of the Watershed Committee. Their work will be supported by the watershed coordinator who also directs Watershed Committee activities. Additional

support may be provided by other members of the Coalition Technical Advisory Committee who have led efforts to adopt tiered water rates for their municipalities.

Objective #2 – Work with the same eight (8) water providers to deliver water conservation education to their customers. This will again be accomplished with primary assistance from the Yavapai County Water Advisory Coordinator and member of the Coalition Technical Advisory Committee and Watershed Committee; and the City of Cottonwood Natural Resources Director and member of the Watershed Committee. Their work will be supported by the watershed coordinator who also directs Watershed Committee activities, as well as a marketing consultant and graphic designer. Objective 1 and 2 are complementary. It is unfair to water customers for tiered water rates to be adopted without also providing the knowledge and tools they need to conserve water.

The proposed goal and two identified objectives are supported by the mission of the Coalition's Watershed Committee to use a project based approach to watershed planning and management that results in healthy ecosystems while optimizing regional water supplies. They are also in line with the Coalition's Initiative to expand its focus emphasizing planning and management across the watershed; needs expressed by small water providers; Best Management Practices established by the Arizona Department of Water Resources; success with adoption of tiered water rates and implementation of a plan for water conservation education by municipal partners; and results of a water conservation study commissioned by the Coalition.

As an illustration, the Town of Prescott Valley adopted tiered water rates and conducted water conservation education through its participation in the Coalition. This approach has resulted in a 20% reduction in per capita water use over the last decade from 124 to the current 102.

Both the adoption of tiered water rates and water conservation education are considered Best Management Practices. A priority to spearhead regional water conservation has been a priority goal assigned to the Coalition Technical Advisory Committee by its Executive Committee since inception of the formal partnership in 2007. The WaterSMART campaign was adopted by the Coalition and launched as a regionalized collaboration for water conservation education.

Implementation of conservation (tiered) water rates along with regional water conservation education were recommended in the Larson and Associates Water Conservation Study as essential components to an overall plan to support reductions in water use among all segments of the population.

A survey of water users within the watershed was conducted in 2006; responses were tabulated by the City of Prescott and results analyzed by Larson and Associates. Of nearly 3,000 respondents, the majority understood the need for water conservation, recognized its importance and indicated a desire for further education. There was, however; a clear disconnect between comprehending the need for conservation and understanding how to implement conservation activities.

Yavapai County has seen rapid population growth since the early 1990s resulting in increased demand for limited water resources. Continued drought has exacerbated the situation. The county population of 121,629 in 2006 is expected to more than double to 352,940 by 2050.

Problem Statement – The proposed project area is rural with no common outlet for distribution of information to all water users. Metered water users are served by small water providers. The majority of small water providers do not have tiered water rates in place. Outreach to and discussion with smaller water providers have resulted in identification of two priority needs (1) assistance with water conservation education to their customers; and (2) assistance with development and implementation of tiered water rates.

Solution Statement – Adoption of tiered water rates in conjunction with coordinated, planned water conservation education effort will afford the best opportunity for achievement of the stated goal and objectives. It will allow for outcomes evaluation, quality control throughout the project period, realization of synergy that is the natural outcome of frequent and consistent communication, and the ability to effectively track results. The watershed coordinator and a professional marketing consultant will facilitate program implementation.

Over the last year, tensions between the Verde Valley and western Yavapai County over water issues have escalated. Although the Coalition hasn't been totally immune to fallout from those tensions, it has successfully managed and continues to manage a countywide watershed planning effort, including representation from both sides of the mountain. The continued success, without conflict, of this effort, although not part of this proposal, is an accomplishment in itself.

As succinctly written by two former local elected officials with decades of experience working through water issues in the political arena recently wrote – “No one wants to harm the Verde River. We all have a stake in assuring its long-term vitality. Our very future, the health of our ecosystems, our economy, our water supply and preservation of our quality of life are all dependent on protection of the Verde River.”

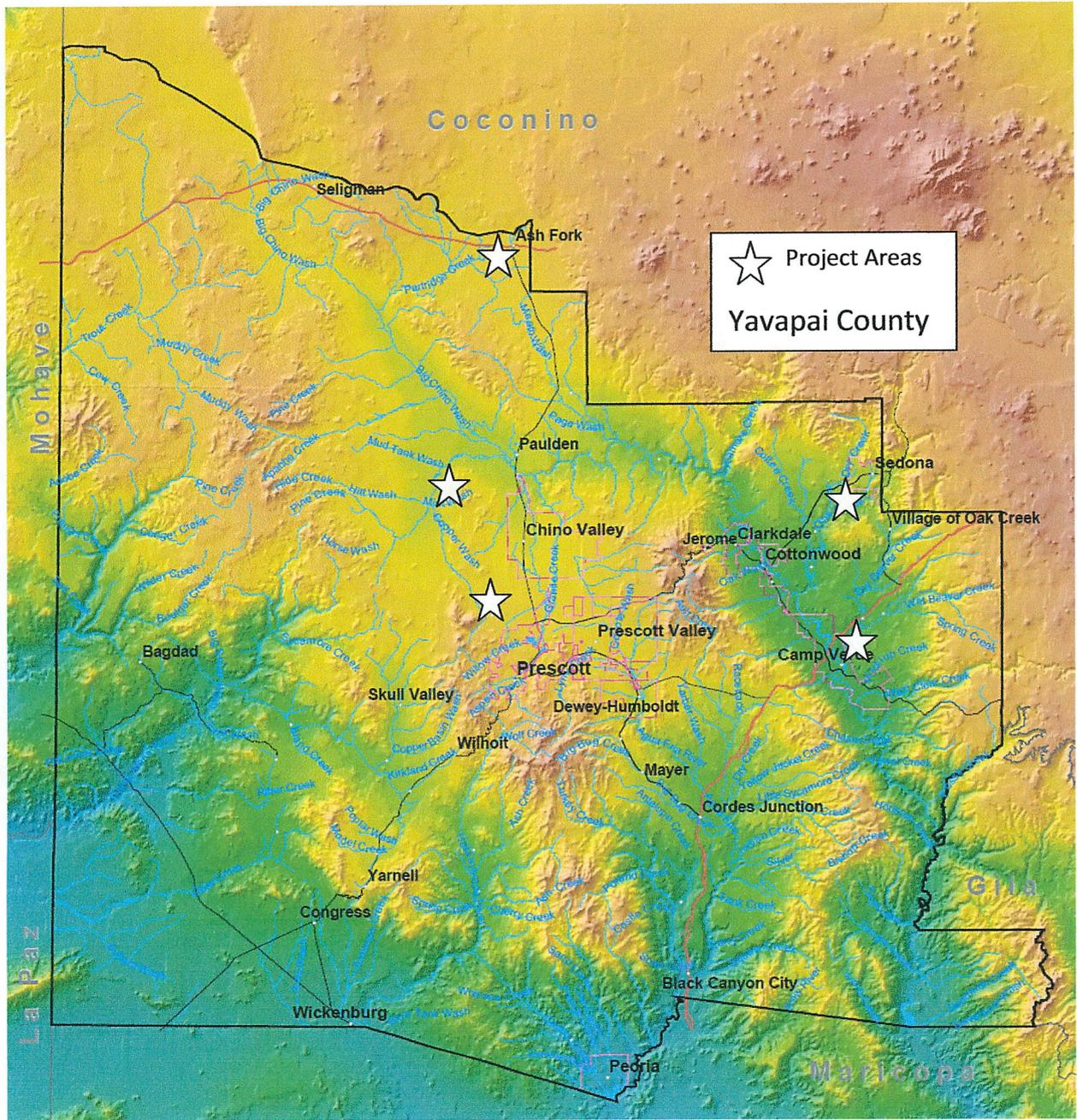
Years of Project Benefit – A conservative estimate of project benefit is five years. However, it is realistic to assume that, with adoption of tiered water rates and the successful implementation of water conservation education effort, benefits will include changes in behavior that lead to meaningful long-term benefits well into the future.

**Project Location & Environmental Contaminant Information
FY 2014**

Project Location Information			
1. County: <u>Yavapai</u>	2. Section: <u>9</u>	3. Township: <u>12N</u>	4. Range: <u>2E</u>
<p align="center"> <u>13</u> <u>15N</u> <u>3W</u> </p>			
5. Watershed: <u>Agua Fria / Verde (multiple locations)</u>			
6. 8 or 10 Digit Hydrologic Unit Code (HUC): <u>1507010202 (Big Bug); 15060202 (Upper Verde)</u>			
7. Name of USGS Topographic Map where project area is located: <u>VARIES (depending on water provider)</u>			
8. State Legislative District: <u>1</u>			
(Information available at: http://azredistricting.org/districtlocator/)			
9. Land ownership of project area: <u>Private</u>			
10. Current land use of project area: <u>Residential</u>			
11. Size of project area (in acres): <u>Variable (Water Provider Areas)</u>			
12. Stream Name: <u>Varies (depending on water provider area)</u>			
13. Length of stream through project area: <u>N/A</u>			
14. Miles of stream benefited: <u>N/A</u> miles			
15. Acres of riparian habitat: <u>N/A</u> acres will be:			
<input type="checkbox"/> Enhanced <input type="checkbox"/> Maintained <input type="checkbox"/> Restored <input type="checkbox"/> Created			
16. Provide directions to the project site from the nearest city or town. List any special access requirements: <u>Variable (depending on water provider)</u>			
Environmental Contaminant Location Information			
1. Does your project site contain known environmental contaminants? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO If yes, please identify the contaminant(s) and enclose data about the location and levels of contaminants:			
2. Are there known environmental contaminants in the project vicinity? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO If yes, please identify the contaminant(s) and enclose data about the location and levels of contaminants:			
3. Are you asking for Arizona Water Protection Fund monies to identify whether or not environmental contaminants are present? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			

ARIZONA WATERSHED MAP - 2014





Project Schematic – Not Applicable – This is a water conservation project

Scope of Work

Task 1: Finalization of the Plan of Action with each water provider

Task Description: The Yavapai County Water Advisory Coordinator and City of Cottonwood Natural Resources Director, with assistance from a professional marketing consultant, watershed coordinator, and other Coalition Technical Advisory Committee Members, when necessary, will finalize a Plan of Action with each water provider. Its content will be adhered to objectives described in the Project Overview.

Task Purpose: To lay the groundwork for potential adoption of tiered water rates and consistent,

Deliverable Description: Final Plans of Action including –

- overview of the baseline situation including current gpcd for each water provider
- local messages
- projected implementation timeline
- public relations strategies and relevant area publications
- inventory of agencies and community-based groups with contact information and justification for selection that are relevant to the project
- distribution plan for dissemination of information including web and social media
- description of the plan to adopt tiered water rates
- detailed budget

Deliverable Due Date: Within 120 days of finalization of grant agreement with Arizona Water Protection Fund anticipate by the end of May 2014

Reimbursable Cost: \$2,221

Task 2: Implement Plans of Action

Task Description: Coalition representatives and identified small water provider responsible parties will take the Plans of Action from concept to completion with adherence to the determined timeline and itemized budget.

Task Purpose: To provide support and technical assistance for adoption of tiered water rates and support with development and dissemination of water conservation education targeted to customers served by each water provider.

Deliverable Description: Results from the implementation of each plan element with discussion of any deviation from timeline –

- final education materials, news clippings, inventory of electronic media coverage, website and/or social media inclusion, numbers printed, printing invoices
- narrative of progress describing plan implementation, populations contacted, and meeting outcomes
- narrative description of progress toward adoption of tiered water rates
- narrative description of any challenges to plan implementation and strategies utilized to overcome those challenges

- update on distribution plan and dissemination of information with distribution locations, numbers distributed, and samples of information disseminated

Deliverable Due Date: Throughout the project period with quarterly review of results by Coalition Technical Advisory Committee and Watershed Committee members. This will also allow for quality control throughout the process and revisions, as needed, to forward successful attainment of identified goals and objectives. Implementation of Action plans is anticipated by December 31, 2014.

Reimbursable Cost: \$33,087

Task 3: Final project report to the Arizona Water Protection Fund

Task Description: Write and submit a final project report that analyzes results and evaluates outcomes based on achievement of the project goals and objectives.

Task Purpose: To provide comprehensive, unbiased information to the Arizona Water Protection Fund, and fulfill grant reporting requirements.

Deliverable Description: Final project report

Deliverable Due Date: January 30, 2015 (30 days from completion of project implementation)

Reimbursable Cost: \$2,500

Task 4: Backend Survey and analysis of GPCD use provided by small water providers

Task Description: The Coalition will write a survey for small water providers and analyze GPCD . This will help with gauging the effectiveness of the overall program, along with an analysis of gpcd, for each provider, with an anticipated reduction each of 2 to 5 percent from baseline conditions.

Task Purpose: To gauge outcomes and evaluate achievement of the project goal and objectives.

Deliverable Description:

- Copy of the backend survey
- Copy of raw data and analysis
- Chart of GPCD use and analysis of final data

Deliverable Due Date: Within 180 days of conclusion of the program's first year

Reimbursable Cost: -0- The cost is not included in the budget nor in tasks to successfully implement the project. Results, however; are critical to gauge true success of the program and achievement of goals and objectives, as well as assist the Coalition and Watershed Management Committee with evaluation.

Detailed Budget Breakdown

TASK #1			
Outside Services			
Project Management	\$165/hr	6	\$ 990
Marketing Consultant	\$75/hr	12	\$ 900
Other Direct Costs			
Printing - Plans	\$3.00/piece	75	\$ 225
Subtotal Task #1			\$ 2,115
Administration – 5%			\$ 106
Total Task #1			\$ 2,221
TASK #2			
Direct Labor			
Water Resources Coordinator-Yavapai County	\$39/hour	80	\$ 3,120
Natural Resources Director – City of Cottonwood	\$43/hour	80	\$ 3,440
Water Resources Manager-Town of Prescott Valley	\$43/hour	32	\$ 1,376
Clerical Support	\$17.50/hour	30	\$ 525
Outside Services			
Project Management	\$165/hr	25	\$ 4,125
Watershed Coordinator	\$145/hr	60	\$ 8,700
Marketing Consultant	\$75/hr	45	\$ 3,375
Graphic Designer	\$45/hr	40	\$ 1,800
Web Developer	\$45/hr	30	\$ 1,350
Other Direct Costs			
Collateral materials printing	.30/piece	10,000	\$ 3,000
Distribution	\$25/hr	20	\$ 500
General Office Supplies			\$ 200
Subtotal Task #2			\$ 31,511
Administration – 5%			\$ 1,576
Total Task #2			\$ 33,087
TASK #3			
Technical Writer	\$75/hr	11	\$ 825
Watershed Coordinator	\$165/hr	5	\$ 825
Water Resources Coordinator-Yavapai County	\$39/hr	20	\$ 780
Clerical Support	\$17.50/hr	4	\$ 70
Total Task #3			\$ 2,500
Total Direct Costs			\$ 36,126
Total Administration (5%)			\$ 1,682
Total Costs requested from AWPf			\$ 37,808

Detailed Matching Funds Breakdown

TASK #1			
Direct Labor	Cost	Hours/Amt	Total
Water Resources Coordinator-Yavapai County	\$39/hour	40	\$ 1,560
Natural Resources Director – City of Cottonwood	\$43/hour	40	\$ 1,720
Water Resources Manger – Town of Prescott Valley	\$43/hour	12	\$ 516
Clerical Support	\$17.50/hour	8	\$ 140
Outside Services			
Watershed Coordinator	\$145/hr	25	\$ 3,625
Other Direct Costs			
General Office Supplies			\$ 200
Subtotal Task #1			\$ 7,761
Administration – 5%			\$ 388
Total Task #1			\$ 8,149
Total Applicant Match			\$ 8,149

SHPO Information – Not Applicable – No ground disturbing activity is planned.

Supplementary Information – Key Personnel

Key personnel are in place. **Project Manager Ed Muccillo** is a professional civil and environmental engineer with more than 15 years of experience working with municipalities and water districts. He is a partner in Burgess & Niple and heads up the national company's Tempe, Arizona office. Burgess & Niple was identified as the project manager for the Coalition through a competitive bid process in 2007; the Coalition was established by formal intergovernmental agreement in 2006. Mr. Muccillo along with Yavapai County Water Advisory Coordinator John Rasmussen will share the supervisory responsibilities associated with watershed coordination and marketing.

Additional team members include:

John Rasmussen, Yavapai County Water Resources Coordinator, a professional geologist with nearly two decades of experience in the public and private sectors.

John Munderloh, Town of Prescott Valley Water Resources Manager. He is an agricultural engineer with over two decades of professional experience working in the hydrologic sciences with the private sector, State of Arizona, municipalities and counties. He is a well-respected authority on water rights within the service area and issues impacting the west.

Tom Whitmer, City of Cottonwood Director of Natural Resources. Mr. Whitmer is a former rural watershed planning manager for the Arizona Department of Water Resources with more than 14 years of experience in the "Arizona water game."

POTENTIAL PROJECT

Water Provider Technical Services/Support

BACKGROUND:

Excluding the three largest water providers (Prescott, Prescott Valley and Cottonwood), there are approximately 50 water providers in the Yavapai County portion of the Verde River watershed that deliver water to an estimated 40,000 people. Many of these water providers are small family businesses, operated as public districts with elected boards, or managed under the umbrella of a private, non-profit organization.

GOAL:

To help smaller water providers conserve water, protect the Verde River and provide a secure water supply to their customers, the citizens of Yavapai County.

PROJECT SYNOPSIS:

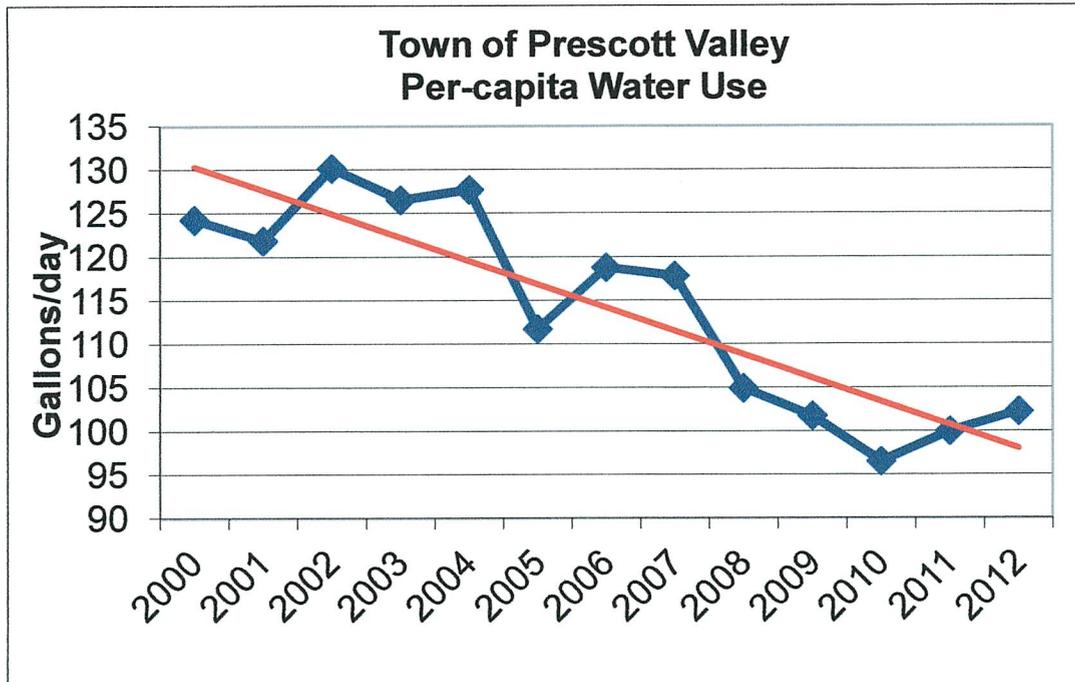
The three large water providers, supported by Upper Verde River Watershed Protection Coalition (UVRWPC) resources, will offer technical services and support to smaller water providers operating in Yavapai County. Potential service areas include:

- Conducting rate studies and support for revenue neutral or revenue positive water rates. These rates implemented in conjunction with water conservation education are known to result in a 10 percent reduction in water use.
- Conducting System Reviews to locate water leaks, examine service meters, recover revenue due to lost and unaccounted for water, and identify other water delivery problems has the potential to increase billing and reduce water consumption.
- Completing water supply studies may benefit the Verde River by moving the point of pumping away from the river or by developing a more secure water supply.
- Providing grant writing assistance to pay for implementation. Financial assistance through grant writing and other approaches help water providers achieve success.
- Assistance with regulatory requirements. Implementing water system improvements are likely to require regulatory assistance to navigate the numerous agencies involved.
- Implementation of water conservation education.

List of Best Management Practices	
(For more information, see May 2008 Modifications to the Third Management Plan, Chapter 5.)	
Category 1: Public Awareness/Public Relations	
1.1	Local and/or regional messaging program
1.2	Special events/programs and community presentations
1.3	Market surveys to identify information needs/assess success of messages
Category 2: Conservation Education and Training	
2.1	Adult education and training programs
2.2	Youth conservation education program
2.3	New homeowner landscape information
2.4	Xeriscape demonstration garden
2.5	Distribution plan for water conservation materials
Category 3: Outreach Services	
3.1	Residential audit program
3.2	Landscape consultations (residential and/or non-residential)
3.3	Water budgeting program (non-residential)
3.4	Residential interior retrofit programs
3.5	Non-residential interior retrofit programs
3.6	Customer high water use inquiry resolution
3.7	Customer high water use notification
3.8	Water waste investigations and information
Category 4: Physical System Evaluation and Improvement	
4.1	Leak detection program
4.2	Meter repair and/or replacement program
4.3	Comprehensive water system audit program
Category 5: Ordinances / Conditions of Service / Tariffs	
5.1	Low water use landscaping requirements for residential, multi-family, non-residential and/or common areas
5.2	Water tampering/water waste ordinances
5.3	Plumbing code requirements if more restrictive than the 1990 Uniform Plumbing Code
5.4	Limitations on water features and/or water intensive landscaping and turf
5.5	Ordinance for model home landscapes in new residential developments
5.6	Required on-site gray water/water harvesting features at residences and/or businesses
5.7	Requirements for car wash water recycling
5.8	Landscape watering restrictions (time of day, etc.)
5.9	Requirements for hot water recirculation devices for residential, multi-family and or non residential sectors
5.10	Retrofit on resale
5.11	Landscape water-use efficiency standards for non-residential users
5.12	Conservation tariff (private water companies)
5.13	Water use plan for new large non-residential users

Category 6: Rebates/Incentives	
6.1	Toilet rebate (residential and/or multifamily homes)
6.2	High efficiency flush toilet rebate (residential and/or multifamily homes)
6.3	Toilet replacement (residential and/or multifamily homes)
6.4	Indoor water fixture replacement/rebate/incentive (residential and/or multifamily homes)
6.5	Hot water recirculating system or instant hot water system rebate (residential, multifamily, or non-residential)
6.6	Water efficient appliances rebate/incentive
6.7	Gray water retrofit/rebate/incentive
6.8	Water harvesting retrofit/rebate/incentive
6.9	Landscape conversion rebate/incentive
6.10	Xeriscape installation rebate in new landscapes
6.11	Commercial and industrial program, e.g. audits, incentives, rebates, etc.
6.12	Large landscape conservation program (non-residential)
6.13	No/low interest loans for implementing water conservation measures (non-residential)
Category 7: Research/Innovation Program	
7.1	Implement an emerging technology
7.2	Initiate or support applied research to enhance decision making
7.3	Evaluate new and emerging technologies and practices
7.4	Conduct quantitative analysis of a conservation measure (for water savings results)
7.5	Implement smart irrigation technology
7.6	Develop industry partnerships to save water
7.7	Support the development of new technologies and products
7.8	Pilot a new initiative, project or program

Year	Town Pop	County Pop.	SVC Pop	Acre-feet	GPCD
2000	23,525	5,850	29,375	4,090	124
2001	24,545	5,875	30,420	4,154	122
2002	26,115	5,900	32,015	4,668	130
2003	27,255	5,925	33,180	4,703	127
2004	30,590	5,950	36,540	5,228	128
2005	33,575	5,975	39,550	4,950	112
2006	35,740	6,300	42,040	5,595	119
2007	38,357	6,325	44,682	5,899	118
2008	38,962	6,350	45,312	5,328	105
2009	38,958	6340	45,298	5,165	102
2010	38,822	5602	44,424	4,803	97
2011	38,769	5,602	44,371	4,971	100
2012	38,964	5,630	44,594	5,109	102



YAVAPAI COUNTY BOARD OF SUPERVISORS

A.G. "CHIP" DAVIS – Chairman
District 3
web.bos.district3@yavapai.us

ROWLE P. SIMMONS – Vice-Chairman
District 1
web.bos.district1@yavapai.us

THOMAS THURMAN – Member
District 2
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CRAIG BROWN – Member
District 4
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JACK SMITH – Member
District 5
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PHIL BOURDON
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ANA WAYMAN-TRUJILLO
Clerk of the Board/
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JACK FIELDS
Board Counsel
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Arizona Water Protection Fund Commission
Arizona Department of Water Resources
3550 North Central Avenue
Phoenix, Arizona 85012

August 22, 2013

Dear Commission Members:

Yavapai County has been a partner in the Upper Verde River Watershed Protection Coalition (UVRWPC) since its establishment by Intergovernmental Agreement seven years ago. As a member of the Coalition's Technical Advisory Committee (TAC), I share in the regional responsibility to develop and implement programs. TAC members have contributed their scientific expertise and tapped the knowledge of regional geologists, engineers and water conservation specialists to identify sites and design plans with the objective of developing innovative approaches to serve the goals for water conservation and better water management.

It is critical to the long-term health of the Upper Verde River, its tributaries and associated riparian areas that we work with all water providers, including our small water companies, to forward water conservation throughout the watershed. Promoting water conservation is the responsibility of TAC members, as mandated by the Coalition's Executive Board, comprised of elected officials representing each jurisdictional partner. Budgets remain tight and without outside funding assistance, the Coalition will not have the financial resources necessary to manage a comprehensive outreach effort to small water providers, considered to be critical to our water conservation effort and assure the health and vitality of riparian areas.

We appreciate the opportunity being afforded by the Arizona Water Protection Fund to submit a proposal for funding to support our water conservation education efforts. If you need further assistance, I can be reached at 928-442-5199 or via e-mail at John.Rasmussen@yavapai.us.

Sincerely,

John Rasmussen
Water Advisory Committee Coordinator
Yavapai County

To reach County Offices toll-free from the following areas, call:



August 24, 2013

Arizona Water Protection Fund Commission
Arizona Department of Water Resources
3550 North Central Avenue
Phoenix, Arizona 85012

Dear Commission Members:

The Town of Prescott Valley is a founding member of the Upper Verde River Watershed Protection Coalition (Coalition) since its establishment by Intergovernmental Agreement in 2006. As a member of the Coalition's Technical Advisory Committee (TAC), I share in the regional responsibility to develop and implement programs. TAC members have contributed their scientific expertise and tapped the knowledge of regional geologists, engineers and water conservation specialists to identify beneficial partnerships and design plans with the objective of developing innovative approaches to serve the goals for water conservation and better water management.

It is critical to the long-term health of the Upper Verde River, its tributaries and associated riparian areas that we support water conservation throughout the watershed including partnering with small private and non-profit water providers located outside the Prescott Active Management Area.

Promoting water conservation is the charge of TAC members, as mandated by the Coalition's Executive Board, comprised of elected officials representing each jurisdictional partner. Budgets are tight, and grant funding is essential for the Coalition to meet its objectives for water conservation.

We appreciate the opportunity being afforded by the Arizona Water Protection Fund to submit a proposal for funding to support our water conservation education efforts. If you need further assistance, I can be reached at 928-759-3105 or via e-mail at jmunderloh@pvaz.net.

Sincerely,

John Munderloh
Water Resources Manager
Town of Prescott Valley