



NOTICE OF PUBLIC MEETING & AGENDA

UPPER VERDE RIVER WATERSHED PROTECTION COALITION TECHNICAL ADVISORY COMMITTEE (TAC) MEETING

**Wednesday, September 10th, 2008 – 1:00 p.m.
Yavapai County Administrative Services Building, Gladys Gardner Room
1015 Fair Street – Prescott, Arizona**

- ITEM NO 1. Discussion – Review Previous Board Meeting Minutes**

- ITEM NO 2. Discussion – Water Conservation Program**

- ITEM NO 3. Discussion – Recharge Efforts**

- ITEM NO 4. Discussion – Safe Yield Workgroup**

- ITEM NO 5. Discussion – Review Next Board Meeting Agenda Items**

- ITEM NO 6. Next Meeting Time / Location / Agenda Items**

Note: Comments from the public will be heard after each agenda item. Any such remarks shall be addressed to the TAC as a whole and not to any individual. Such remarks shall be limited to three (3) minutes unless additional time is granted by the Chair.



AGENDA ITEM NO. 1

DISCUSSION – REVIEW PREVIOUS BOARD MEETING MINUTES

The draft meeting minutes for the previous Board Meeting held on August 27, 2008, are attached.

AGENDA ITEM NO. 2

DISCUSSION – WATER CONSERVATION PROGRAMS

Discussion to review proposed water conservation program implementation and grant application.



AGENDA ITEM NO. 3

DISCUSSION – RECHARGE EFFORTS

Discussion regarding potential Coalition recharge efforts.

AGENDA ITEM NO. 4

DISCUSSION – SAFE YIELD WORKGROUP

Discussion regarding the possible addition of James Perey, Division Dean of AgriScience Technology department at Yavapai College to the Safe Yield Workgroup.



AGENDA ITEM NO. 5

DISCUSSION – REVIEW NEXT BOARD MEETING AGENDA ITEMS

The next regularly scheduled Board Meeting is on September 24, 2008, at 2:00 p.m., at the City of Prescott Town Hall, Council Chambers, 201 South Cortez Street, Prescott, Arizona. Agenda items proposed for the next Board Meeting include:

- Water Conservation Grants
- Potential Update on Recharge Efforts
- Potential Safe Yield Workgroup Agricultural Candidate

AGENDA ITEM NO. 6

DISCUSSION – NEXT MEETING TIME / LOCATION / AGENDA ITEMS

The next regularly scheduled TAC Meeting is on October 8, 2008, at 1:30 p.m., at the Yavapai County Administrative Services Building, Gladys Garner Room, 1015 Fair Street, Prescott, Arizona. Agenda items proposed for the next TAC Meeting include:

- Water Conservation Programs – Grants & Implementation
- Recharge Discussion

**UPPER VERDE RIVER WATERSHED PROTECTION COALITION
PRESCOTT, ARIZONA
AUGUST 27, 2008**

MINUTES

A MEETING OF THE UPPER VERDE RIVER WATERSHED PROTECTION COALITION WAS HELD ON AUGUST 27, 2008 in the Prescott Municipal Building, 201 S. Cortez Street, Prescott, Arizona.

Chairman Fann called the meeting to order at 2:01 p.m.

ITEM NO 1. Introductions, Awards, or Presentations

Members Present:

Mayor Karen Fann, Town of Chino Valley, Chairman
Councilman Mike Flannery, Town of Prescott Valley, Vice Chairman
Chairman Ernie Jones Sr., Prescott-Yavapai Indian Tribe
County Supervisor Carol Springer, Yavapai County
Mayor Jack Wilson, City of Prescott
Councilman Floyd Wright, Town of Dewey-Humboldt

Staff Present:

Ed Muccillo, Program Manager
Rick Shroads, Assistant Program Manager
Mark Holmes, Town of Chino Valley
Jim Holt, City of Prescott
John Rasmussen, Yavapai County

Guests Present:

Keith Larson, Water Conservation Consultant
Councilman Bob Luzius, City of Prescott
Councilman Bob Bell, City of Prescott
Shaun Rydell, City of Prescott Water Conservation Coordinator
Linda Campbell
Charlie Hildebrant
Candace McNulty
Thomas Slaback
Tammy Linn
Ken Lain
Charlie Ester
Joanne Oellers
George Seaman
Sam Frank
Edessa Coss

ITEM NO 2. Call to Public

ITEM NO 3. Action – Approval of Minutes for Previous Board Meeting

Vice-Chairman Flannery indicated a correction to Page 11, third paragraph changing John Munderloh to John Rasmussen.

**MEMBER WILSON MOVED TO APPROVE THE JUNE 25, 2008 MINUTES;
SECONDED BY VICE-CHAIRMAN FLANNERY WITH THE CORRECTION; PASSED
UNANIMOUSLY.**

ITEM NO 4. Discussion – Program Manager’s Report

Ed Muccillo said Task 1 is typical Program Management tasks with monthly TAC and Safe Yield Workgroup meetings. He said they have a recharge and some other meetings planned for September. He said he under Task 2 he did a little more website management and updating posting minutes, attachments and memos. Mr. Muccillo said the Water Conservation Programs was basically working to prepare for today’s presentation and discussion through the TAC meeting and other preparation. He said the Hydrologic Monitoring Task is somewhat on hold due to some regional efforts. He said the Recharge Mapping is just about complete and they are ready to move forward on some recharge tasks. He said the packet includes the monthly Financial Report.

ITEM NO 5. Discussion – TAC Meeting Summaries – August 13, 2008

Mr. Muccillo said basically every month they are having two meetings on the same day, the regular TAC meeting and the Safe Yield Workgroup meeting. He said the packets include the summaries on Pages 17 – 19. He said there is no need to go into detail about the TAC meeting because that is the content of today’s meeting. Mr. Muccillo said they had two presentations at the Safe Yield Workgroup meeting with the first by Gerry Wildeman from ADWR about the history of the AMA, current AMA statistic and policies. He said the second presentation was given by Daniel Timmons regarding the Prescott AMA water model. Mr. Muccillo said it was a good baseline of information that needed to move forward. He said the next meeting will be a brainstorming session to map out all the future Workgroup meetings.

Member Wilson asked which agency will be issuing the Federal Grant. Mr. Muccillo said the Bureau of Reclamation.

ITEM NO 6. Discussion – Coalition Budget Update

Mr. Muccillo said considering today’s discussion it seemed like a good time to do a quick budget review and a thumb nail sketch of a budget projection. He said he tried to paint a picture of now to the end of Fiscal Year July 2009. He said the total funds contributed or to be contributed by all the entities would total \$403,000 between what was contributed last year with carryovers and then what is being contributed right now. He said he took the five existing tasks and where they have been through July and where they are projected to be through next July. He said the two pending tasks include the water conservation grant application pending today’s discussion and going forward with some type of recharge pilot project development. He said approximately \$149,000 would be available between now and July 2009 for tasks, projects, and initiatives as directed by the Board.

Member Springer asked about the \$39,515 under Task 3 on the Water Conservation Program has been spent on. She also asked what amount have already been spent and which ones they are contemplating spending.

Mr. Muccillo said for Tasks 1 – 5 the first line is what has actually been spent through July 2008 and the second line is what is projected through the remainder of the year. He said that includes this month and there has been quite a bit of activity during August for the Water Conservation.

Member Wilson said his general feeling on water conservation is that it is the cheapest way to buy water.

Councilman Bob Bell, City of Prescott, joined the meeting at this time.

Mayor Fann asked if the original bylaws of the Coalition required a certain percentage to carry over to give them working capital to start out the new fiscal year.

Mr. Muccillo said in the Program Manager's Report there was \$89,000 left after the Fiscal Year 2008 including the July costs.

Chairman Fann asked if that carryover was an intended carryover of just money they had not expended.

Mr. Muccillo said when they talked in January of February where they projected what the first tasks would be and program management he mentioned at that time that he thought that would be the whole Fiscal Year 2007 – 2008 budget but that it would not be spent by July 2008. He said it is money they have not spent yet and money they planned to carry over. Mr. Muccillo said the main point is there is roughly \$150,000 that is not committed specifically to anything through July 2009. He said he wanted the Board to be aware of this.

Member Wilson said he prefers when looking at expenditure of funds to do a value analysis, i.e. they look at the pay back for the dollars expended and base their expenditures on the value analysis where they get the highest value for dollars spent. He said he would be interested in the TAC coming back to the Board with a recommendation of the value analysis of the various programs.

Member Springer said the question is premature pending discussion later today.

Mr. Muccillo said he agrees and that the reason he put the agenda in this order is so they would know the budget situation as they listen to the following presentation.

Sam Frank asked why there is no number for hydrologic monitoring through July 2009.

Mr. Muccillo said they are not projecting any more expenditures through the end of the year because there are some regional efforts under way separate from the Coalition.

Chairman Fann added the Prescott AMA communities are looking at potentially building a pipeline to import water under A.R.S §45-555. She said the communities have been working with ADWR and SRP over the last few months to determine the best approach without impacting the Verde River. She said the discussions include monitoring wells that the communities would put in to ensure that there is no damage. Chairman Fann said in an effort not to duplicate things that are being worked on by the communities with the pipeline project hydrologic monitoring has been put on hold. She said there will be monitoring but they are still trying to figure out who is going to do it and how.

Joanne Oellers, Center for Biological Diversity, asked how monitoring can ensure there is no damage to the Verde.

Chairman Fann said that will be discussed in the future but is not part of today's discussion.

ITEM NO 7. Presentation, Discussion, & Possible Action – Water Conservation Program Recommendations

Chairman Fann asked the Board if they would prefer the entire presentation first followed by comment or if they would rather ask questions throughout the presentation. The consensus was to save questions for after.

Mr. Muccillo said following numerous meetings of discussion and deliberation and study by Keith Larson, Larson & Associates, they have had a lot of agreement and disagreement and are looking forward to the discussion following this presentation.

Mr. Larson thanked the Chairman and Members of the Board and explained the reason they felt they needed to go into a bit of detail today is because they did not give the Board much detail last time. He said they are going to try to address some of the comments they heard last month. Mr. Larson gave the presentation, Exhibit A attached hereto and made a part hereof.

Member Wright said it was a good presentation and he did not have any questions.

Member Wilson asked if the monitorization of the acre feet savings at \$4800 is based on the \$382,000 or the actual cost input from the Coalition.

Mr. Larson said the cost per acre foot for each of the financial incentive programs is based on the cost that the Coalition would pay as an incentive versus the amount of water saved per home.

Member Wilson said it is not a true cost because they have a 50% grant.

Mr. Larson said that is correct and the figures are based on the total cost of the incentive provided.

Member Wilson said one of the things they did not recommend is ET controllers and there is actually a middle ground, which is a device that detects rainwater and then turns off the drip irrigation.

Mr. Larson said they did look at those and rainwater shutoffs are very effective. He said they did not include that because of the complexity of installation and not everybody is capable of it. He said they can offer various incentives and they tried to hit ones they thought would result in a lot of participation without spreading the administration too thin.

Member Wilson said regarding turf restrictions he is concerned about commercial and industrial and the biggest user is parks. He said if they are going to get into turf restrictions they need to go for the heart of the issue.

Mr. Larson said the responses to the Regional Water Conservation Survey indicated people are in favor of restrictions on commercial and industrial but they did think it was appropriate to have turf in certain applications in ball fields. He said it is something they can discuss further as they get into ordinance development.

Member Wilson said regarding educational literature and making people aware of water restrictions he suggested there be added restaurant cards that say water provided if requested. He said there should be posters on the back of doors on all public restrooms. He said for rainwater harvesting and the exorbitant cost per acre foot for savings he would like them to look at what has been done in Tucson with their ordinance for commercial specifically because there is a large opportunity for savings with big box stores. Member Wilson said there is one other alternative for program administration and that is CYMPO, which is all transit right now but does not have to be.

Chairman Fann said first, she will not be making any votes on this today because this needs to go back to her municipal council for their input. She said Chino Valley does not have any money anyway so if it comes down to money they are broke. Regarding Phase 1, the Program Summary on Page 3, incentives to new construction Chairman Fann suggested considering refunding a portion of the water resource fee for implementation of water conservation measures. She commented that regardless of money or not she

personally feels that less government is better and therefore does not support a new administrative staff person. She said she thinks they have adequate water people such as Mark Holmes, Shaun Rydell and others. She said City of Prescott already has a program and conservation administrator so why would Prescott want to pay into another program.

Member Wilson said the City of Prescott does not want to double dip. He said from the standpoint of regional cooperation they think they can maximize the benefits and strongly favors a regional program. He said he would like to move forward and take this to his Council.

Chairman Fann said she would not recommend asking the City of Prescott to duplicate a program they already have going. She referred to Page 5, Public Outreach Audits, and asked what is an audit and who does the audit.

Keith Larson said an audit is performed by a certified auditor who goes to somebody's home or business to evaluate how people are using water indoors and out, makes recommendations to the owner on how to specifically avoid water waste, such as changing irrigation schedules or identifying and repair leaks. He said this is not a water police person rather this is completely voluntary. Mr. Larson explained that audit programs done by utilities typically identify high water use customers and send them a letter indicating they offer water use audits.

Member Wilson asked if it would be feasible to use volunteers to do the audits.

Mr. Larson said that could be considered but there are some administrative challenges with that.

Chairman Fann said she is a true conservation person and she really wants to see a lot of this get enacted but is questioning the approach of how to get there with out coming across as too heavy government handed. She said she wants to make sure any taxpayer dollars used are used in the wisest and most efficient way possible.

Mr. Muccillo said he really appreciates the feedback and that is what they need.

Member Fann referred to Page 6 and asked if they do not have the \$213,000 maybe they can phase in certain incentives such as low water toilets through ordinances that prohibit the sale and installation of high water flow toilets.

Member Wilson and Mr. Larson clarified that current building codes require 1.6 gallon toilets and what is currently being proposed are 1.3 gallon toilets.

Chairman Fann asked why there are incentives to take turf out while allowing people to put turf in.

Member Wilson said that is the will of the Council currently.

Chairman Fann asked how the savings are quantified.

Mr. Larson said he made a broad assumption on the education program of 10% reduction in outdoor water use among all Coalition area single family homes. He said that would be a very effective program if they could achieve that. He said the projected savings with the incentive programs are well documented in studies that have been done by the industry, which is why he said incentives are hard savings while the others are soft savings.

Chairman Fann asked if they are going strictly by assumptions.

Mr. Larson said not with the incentives because they are well documented so they are confident about projecting those savings. He said regarding the education program they think that is a reasonable assumption based on the data they received from the regional survey. He said the regional survey showed that many people, 20 – 30%, are significantly over irrigating by 50 – 100%. He said if they can get to those people with specific information about how much water they need to be applying, how many minutes and how many days per week as guidelines, then achieving 10% is a reasonable goal.

Chairman Fann asked what is the cost associated with the recommended ordinance for requirement of new multi family units to be individually metered on Page 9. She said multi family units are generally supporting the lowest income and affordable housing. She said if this substantially raises the cost of building which impacts the cost to the residents they need to take that into consideration.

Mr. Larson said they did not look at that but certainly can and bring that back with any recommendations for that ordinance.

Chairman Fann suggested looking at all of their municipalities and that they should step up with their own buildings for rain harvesting because their buildings are the biggest ones in the area. She said she does not want to dump 100% on the homeowners and look at their policies in their own municipality facilities. She suggested that the City of Prescott install rain harvesting on the houses at Antelope Hills to be used for watering the golf course.

Member Wilson said they have already engaged the professional landscapers out at Antelope Hills to remove some turf and install xeriscape at no cost to the City of Prescott.

Chairman Fann said she wanted everyone to be aware that HB 2103 allows for the State to give a \$1000 rebate to anyone who installs a qualified rain harvesting system and she thinks that should be part of the education program. She said that is exactly right, that the higher the charge for water the less water most people will use but they need to remember that only works with water systems and does not work on exempt wells.

Vice-Chairman Flannery asked if the proposed savings on audits included personnel

Mr. Larson said yes, it does include the cost of personnel.

Vice-Chairman Flannery said the number one incentive is the cost of the product and the reverse rate structure has been very successful. He asked what was the baseline used and how did they arrive at it.

Mr. Larson said they did not calculate a savings for water rate structure changes. He said to achieve really significant reductions in water use water rate structure changes should be part of the effort. He explained that the projected savings is based on the amount of water people are using today in their homes and what they can expect in savings from the education program. He said that is about 5% from the overall water use rate today Coalition area wide is what Phase 1 projected to save. Mr. Larson said he looked at all of the water use by all of the water providers, by exempt well owners and by water company customers. He said they totaled up that amount for 2007 and then he took the total savings of 962 acre feet and as a percentage of that total water use figure that is 5%.

Chairman Fann asked if he used the number of gallons per person per day.

