



## NOTICE OF PUBLIC MEETING & AGENDA

UPPER VERDE RIVER WATERSHED PROTECTION COALITION  
PRESCOTT, ARIZONA  
August 26, 2009

### MINUTES

A MEETING OF THE UPPER VERDE RIVER WATERSHED PROTECTION COALITION WAS HELD ON AUGUST 26, 2009 in the Prescott Municipal Building, 201 S. Cortez Street, Prescott, Arizona.

Chairman Mike Flannery called the meeting to order at 2:00 p.m.

#### **ITEM NO 1. Introductions, Awards, or Presentations**

##### **Members Present:**

Councilman Mike Flannery, Chairman, Town of Prescott Valley  
Supervisor Carol Springer, Vice-Chairman, Yavapai County  
Mayor Jim Bunker, Member, Town of Chino Valley  
Mayor Jack Wilson, Member, City of Prescott

##### **Members Absent:**

President Ernie Jones Sr., Member, Yavapai - Prescott Indian Tribe

##### **Staff Present:**

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

##### **Guests Present:**

Shaun Rydell, City of Prescott  
Vice-Mayor Lora Lee Nye, Town of Prescott Valley  
Councilman Carl Tenney, Town of Chino Valley  
Councilwoman Mary Ann Suttles, City of Prescott  
Cheryl Turk Hill  
Benjamin Davidson  
Peter K. Roopnick  
John Zambrano  
Chuck Budinger  
Doug McMillan  
Dan McMillan  
Dan Campbell  
Crystal Frost  
Charlie Hildebrant  
Carl Tenney  
Candace McNulty



**Guests Present continued –**

James Cox  
Tom Slaback

**ITEM NO 2. Call to Public**

**ITEM NO 3. Action – Approval of Minutes for previous Board Meeting – June 24, 2009**

**MEMBER WILSON MOVED TO APPROVE THE JUNE 24, 2009 MINUTES;  
SECONDED BY MEMBER BUNKER; MOTION PASSED UNANIMOUSLY.**

**ITEM NO 4. Discussion – TAC Meeting Summaries – July 22 and August 12, 2009**

Mr. Ed Muccillo indicated the summaries are included in the current agenda packet. He said the only item in the TAC meeting summaries that will not be discussed today is the budget and he will be providing an update in September.

**ITEM NO 5. Discussion – Program Manager’s Report**

Mr. Muccillo referred to page 3 of the agenda packet and said it is a little fuller than it has been for the last couple of months due to the amount of activity recently. He said the major efforts under program management have been the grant funding plan and a grant application, which he will discuss later in the meeting. He said there has been a tremendous amount of work being done for grant research and application and the development of the grant funding plan.

Mr. Muccillo said website management has been pretty typical. He said Task 3B, the Water Conservation Implementation, has also seen a lot of activity with the radio spots, Water Smart cards, conservation workbook, rainwater harvesting workbook, and other educational and promotional materials. He said there will be a presentation on this task later in the meeting. Mr. Muccillo said Task 5B, the Recharge and Source Water Pilot Project Study, has also had a lot of activity and Rick Shroads will be updating the Board on this task later in the meeting as well.

**ITEM NO 6. Discussion & Possible Action – Yavapai County Water Education Grants & Outstanding Water Educator of the Year**

Mr. Jim Holt said in addition to the information contained in the packet he said when they did the Project Wet Make a Splash in 2006 they were so successful in their fundraising they actually had some funds leftover. He said those funds were deposited with the University of Arizona in their Project WET program. He said members of the communities which represent all the members of the Coalition formed a small committee and they created a small grant program for teachers in the communities.

Mr. Holt explained the teachers had received Project WET training and were using Project WET materials in their classrooms. He said they provided the grant program to assist the teachers with the purchase of materials and activities they could use within their classrooms. He said after two years the funds have now been depleted, which included the funds raised by the communities and donations from Salt River Project. Mr. Holt said Salt River Project is still interested in assisting them with the grant program. He said the item is being brought to the Coalition because it is the same entities that assisted Project WET Make a Splash. He said for a \$1500 investment they would have a match



from Salt River Project to equal \$3000 per year, which is what they have been spending each year for the last two years on this program. He said he thinks they can have a significant impact with on the ground activities that support teachers working with students in their classrooms for water conservation activities.

Member Wilson asked what part of SRP is going to make the match.

Mr. Holt said he did not know but he knows that in the past they have been supportive of Project WET activities statewide and locally.

Ms. Crystal Frost, Arizona Department of Water Resources, said she did not know.

Vice Chairman Springer asked what is actually being asked.

Mr. Holt said in order to continue the program they are asking the members of the Coalition to consider \$1500 on an annual basis for this activity. He said they have historically spent about \$3000 for each of the last two years for this grant program. He said they funds they have been using are now expended so they are asking the Coalition to fund half of this program so they can continue doing these investments in education.

Vice Chairman Springer asked if WAC wasn't funding this program in the past.

Chairman Flannery said WAC is funding Project WET and that is the education of the children. He said they found out that some of the teachers want to carry the program on into the classroom so the member entities along with SRP came along to fund a program for teachers to purchase the needed tools and supplies.

Vice Chairman Springer asked if some the same money is going for the purpose of the Educator of the Year award. Mr. Holt said in addition to grants or use within classrooms, another aspect of the program the last two years is to recognize outstanding teachers as water conservation educators. He said in the past they had a small committee that was made up of representatives of the communities along with ADWR. He said they applications and criteria for evaluating those applications. Mr. Holt says he recommends in this particular case if the Coalition is supportive of helping with this program they could use the TAC to do the same thing and ask someone from ADWR to sit in on the deliberations. He said the Prescott office of ADWR has been very supportive in terms of its administrative support of this activity and they have indicated they would continue to support this in the future.

Vice Chairman Springer said education is part of the Coalition's mission and asked if that is correct.

Mr. Holt said absolutely.

Vice Chairman Springer said her personal opinion is that she would not mind the \$1500 commitment for one year but because of the nature of the economy she would not want to commit a future Board beyond one fiscal year.

Chairman Flannery asked if the possibility exists for grant money to be utilized for the funding of this program.



Mr. Holt said he has not had any direct conversation with respect to grant money to be used for this activity but he assumes that it is not an unreasonable question. He said they have not identified any funds specifically tied to this project but they could. He said he thinks this would be a nice opportunity for the Coalition to get some visibility in the community as they support this activity and it would be beneficial that the Coalition would be partnering with SRP on this as well.

Chairman Flannery asked if the request is for more than one year.

Mr. Holt said the request can be whatever they would like it to be. He said if one year is the desire of the Coalition they are certainly grateful and they can bring an update as they go through the process and then come back for another year of spending after that.

Member Wilson said he concurs with Supervisor Springer on this in terms of the approach. He said they have seen some positive results but they do not know if they are going to be long lasting. He said he would be supportive of a one year, \$1500 commitment.

Member Bunker said he would support that, too.

**VICE CHAIRMAN SPRINGER MOVED THAT THE COALITION PROVIDE A \$1500 GRANT WITH THE COALITION TAC BEING THE ENTITY WHO HAS SUPERVISION OF THE FUNDS; SECONDED BY MEMBER BUNKER; MOTION PASSED UNANIMOUSLY.**

Chairman Flannery said he would like them to explore grant money for this program.

**ITEM NO 7. Discussion – Water Conservation Efforts Update**

Ms. Shaun Rydell, City of Prescott Water Conservation Coordinator, provided an update a presentation on the water conservation efforts, attached hereto as Exhibit A. She said provided status reports and a schedule for distribution Water Smart materials and related water conservation events.

Member Wilson said the City of Prescott City Council and the Mayor's Advisory Committee on Water Conservation / Safe Yield will be having Councilman Rodney Glassman, City of Tucson, come speak on October 15, 2009 at a Special Meeting about Tucson's rainwater harvesting ordinance. He invited everyone and said they will be sending out more information later.

Ms. Rydell said the rainwater harvesting workbook is a very popular workbook and as consumers invest in rainwater it is important as public staff and educators to educate consumers in making sound decisions. She said she is very pleased to show them the regional conservation workbook funded by a Bureau of Reclamation grant and because it has not gone to print the UVRWPC has been able to be a part of making that available and have its logo on the back. She said it is an 86 page water conservation workbook that starts at the beginning with aquifers, a global water perspective, to the watershed and stormwater management. Ms. Rydell said it is a local water book addressing local water issues and includes local resources. She said this is a part of the Water Conservation education program supported by the Coalition. She said the books will also be distributed in the brochure racks. She said she is pleased to recognize the local talent



in the region and the landscape professionals were invited to send her their six favorite plants to be included in the work.

Ms. Rydell said there will also be a well owner's workshop October 26, 2009 in collaboration with the University of Arizona Extension Services who will actually be holding the workshop. She said the Well Owner's Guide will be a part of the Water Smart rack. She also identified some other upcoming events they could be involved in and she supports the water education for teachers grant. Ms. Rydell said teachers often spend money out of their own pockets and this would be a great help to this very successful program. She said there are a number of speaking engagements that the TAC and Board members could participate in. She said she also is going to encourage the TAC to post the statewide water conservation info share on the Coalition Website.

Chairman Flannery said he would find out from John Munderloh why there is only one rack site identified for Prescott Valley.

Member Bunker asked if they have an example of all the rack materials.

Ms. Rydell said the examples are hard to come by and as soon as they begin printing the Coalition Water Smart cards she will make them available to the Board. She said the commercials are done and are playing on KDDL and KAHM. She said the workbook is ready to go print after a couple of years on its way and will be in the rack by September. She said they have ordered 6,000 rainwater harvesting workbooks and the Water Smart kit is available as part of the Water Conservation Education Budget. She said they have 40 kits available for each member entity if they are interested in distributing them. She said these are all recommendations from Mr. Larson's report.

Vice Chairman Springer said she thinks it looks great and it is obvious a lot of work has gone into this. She said she appreciates all the efforts of the people who have helped get this together. She said it is great to have this coordinated through the Coalition for the region.

Ms. Rydell said thank you and regional education has been her goal for several years.

Member Wilson said he would second Supervisor Springer's comments. He said that was an enormous amount of work to put that workbook together and most people do not realize how much effort it took. He said Shaun deserves a big pat on the back for getting that accomplished [applause].

Chairman Flannery asked if it would be possible to have stickers stuck in pots of plants identifying recommended plants similar to the way Xeriscape plants have been identified.

Ms. Rydell said she thinks that is a great idea and she will bring that in front of the TAC, engage the Plant Advisory Board and targeting local nurseries, landscapers, and retailers.

Ms Frost said ADWR does have plant tagging program that they may be able to develop with the TAC and share with the local nurseries.

**ITEM NO 8. Discussion & Possible Action – Grant Application Process**



Mr. Muccillo said the Board has draft copies of the Grant Funding Plan by Melody Reifsnyder compiled identifying grant opportunities at the federal, state, and private levels. He said the TAC has been working with Ms. Reifsnyder for two months although this report just came through in the last couple of days. He said the TAC will be discussing this at length at that September TAC meeting. Mr. Muccillo said the reason the draft Grant Funding Plan has just been completed is that the Bureau of Reclamation recently issued a grant for water conservation, which was supposed to be out last January. He explained the pursuit of this grant was approved by the Board last fall. He said they have diverted Ms. Reifsnyder's efforts to getting that work done on the grant that is due Friday, August 28, 2009. He said it is a \$30,000 grant that could provide a real shot in the arm for the Coalition's Water Conservation efforts. Mr. Muccillo said the Town of Prescott Valley, as the fiscal agent, will be signing the grant application. He said the even better news is that the Bureau of Reclamation will be issuing this same grant again in October and they will probably pursue that one as well. He said they wanted to have the grant funding plan finished by today but they decided to put that on the side burner in order to pursue the current grant. He said the draft plan is for the Board to review.

Member Wilson said he actually read the document and referred to page seven where it talks about Grants.gov. He said that looks like a precursor to everything they intend to do and asked if they are proceeding down the line to do that.

Mr. Muccillo said yes.

Member Wilson said this is a very nice document and he has a Water Conservation committee that was getting ready to put something like this together. He said he just forwarded this to them and they were grateful to see this. He said they just secured a grant from ADEQ for \$35,000 with no match, so there is money out there.

Mr. Muccillo said Ms. Reifsnyder is tenacious.

Vice Chairman Springer said she too thinks this is a great resource document that she hopes will be continually upgraded and that they can use as reference. She asked how they proceed from here and do they have to come back to the Board for every single application. She said some of these have short notice and asked what will be the process as they go through this.

Mr. Muccillo said this is what he wants to work through with the TAC in September and bring proposed guidelines to the Board. He said the timeline of activities is the key thing to this document is on page 48 and page 49 and it is something the TAC is going to have to go over pretty carefully. He said he is not thinking they will apply for every single one of the grants but some of them do build on each other.

Chairman Flannery said this is an outstanding application. He said he does not know that much about grants but he knows a lot of work went into this document and he thinks Ms. Reifsnyder should be complemented for the amount of effort that went into this. He said regarding Vice Chairman Springer's comments he would like to give some kind of latitude because they do crop up on short notice. Chairman Flannery said the Coalition has a Mission Statement and a Vision statement and as long as the grant is in that parameter and they do not have a lot of expense involved in it then he would like to award Mr. Muccillo a certain degree of latitude and judgment. He said when they do



have the time afforded then go ahead and bring the grant to the Board. He said they previously talked about not needing a Board meeting every month and with that being the case then they are probably hamstringing themselves in terms of ability to follow through on the grants and he does not want to do that.

Mr. Muccillo said that is exactly what happened in July. He said he is glad Vice Chairman Springer asked that question and that things are evolving if seems like he makes a move the Board does not like they can certainly tell him.

**ITEM NO 9. Discussion – Best Management Practices and Development of Criteria in Identification of Water Smart Efforts & Projects**

Mr. Muccillo said one of the things that came to light with Ms. Reifsnyder and the course of pursuing the grants is the need for published Best Management Practices. He said the TAC has been working on the BMP's and will bring something to the September Board meeting. He said they took what ADWR has as best management practices and morphed them into an application for designating projects or facilities as Water Smart. Mr. Muccillo explained the applicant will complete the questionnaire / application will be used to bring before the Board for consideration to be identified as Water Smart complete with decals or signs. He said he is looking for feedback on how to go about regionalizing Water Smart. He said the Coalition has purchased the rights to the Water Smart logo and he would like develop a vehicle for the community to come to the Board for consideration for being designated as Water Smart.

Vice Chairman Springer said when they acquired the logo the idea was that no one could use that logo until they had their project approved by the Board. She said she thinks this is excellent and recommends that the application should stand on its own by having a cover page that lists the name of the project, who the contacts are, and a brief description of the project before getting to the actual questionnaire portion. She said there should also be an acknowledgement about use of the logo.

Mr. Muccillo said absolutely.

Member Bunker asked if the list is all of the management practices they are considering and are they weighted.

Mr. Muccillo said he took all of the ADWR BMP's and anything that he thought that could be remotely translated into something that would be applicable to a project or a facility and that is what they see in this draft. He said it does not seem that they will require 5 out of 20 or 10 out of 20 because the applicant may only do one of these but they do it so well that they are worthy of it.

Member Bunker asked if this is based on the water use or water savings.

Mr. Muccillo said his thought is to keep it pretty open.

Vice Chairman Springer said she agrees that it should not be 5 out of 10 or anything like that. She said she thinks that the questions are open enough and that each project should stand on its own and be discussed by this Board and approved on its merits. She said for instance the question that asks if the project includes a Xeriscape demonstration garden, which may actually be the project. She said that one thing on its own then might



qualify and so it is best to leave it open rather than tie themselves up into some difficult formula.

Mr. Muccillo said they are not trying to limit or restrict the use rather they are trying to make sure it is not misused. He said they are trying to make sure it is used for what the Board approves of.

Chairman Flannery said using Vice Chairman Springer's example, if the applicant goes back to number 3, "Does the project or facility support youth conservation education program" and asked would that not be inclusive in itself.

Vice Chairman Springer said that depends on what they check.

Member Wilson said he thinks this is a good idea for reinforcing the Water Smart brand across the region and it creates a goal for people to strive to and they have to be approved so he would fully support this with further development. He said he thinks this is going in the right direction.

Member Bunker said he thinks they should not hand these out indiscriminately but to those that have significant water savings or promote significant water savings. He said if there were several projects of the same magnitude in water savings he does not think they would want to pick just one but he thinks they ought to be a little bit conservative in the use of the logo so it does not lose its effectiveness.

Mr. Muccillo said he could expand question 18, which is "does the project or facility conduct quantity analysis of a conservation measure for water savings results" to include what are the anticipated savings.

Chairman Flannery asked if these are intended to be the final questions as Member Bunker asked previously.

Mr. Muccillo said yes.

Chairman Flannery said regarding number 11, "does the project or facility have a meter repair and / or replacement program," if they are in a municipality generally the municipality has control over that and not necessarily a project or facility. He said things like that may need to be revised.

Mr. Muccillo said that question came up at the TAC meeting and there could be someone at that facility that proactively seeks out the municipality to come do an annual inspection.

Member Wilson said he thinks Member Bunker alluded in his previous comments regarding water savings. He said water savings is not the only way to measure impact of water smart efforts in terms of education. He said an example is Project WET where there is not a direct water savings but there is a big impact as kids go home and harass their parents into doing something about water conservation. He said he thinks the questions need a little more development because they are so short they could be taken out of context. Member Wilson said what they are really looking for is the top of the barrel achievements here. He said they are looking for the top 5-10 percent of people across the region actually doing something so they need to get some sort of definition of



what that really is. He said once they have that definition a lot of this really falls into place.

Vice Chairman Springer said sometimes she still thinks it is one of those you know it when you see it.

Member Wilson said he concurs with that also but even an opening statement along those lines would be helpful.

Mr. Muccillo asked are they looking to make this something that is an honor for a few facilities or the MasterCard and Visa logo on every door in town.

Chairman Flannery said his thought is that are trying to encourage everybody, as many as possible to do this.

Mark Holmes said he wanted to clarify that maybe they are thinking of setting the bar. He said as mentioned by Member Bunker they have a water savings or if say a residential development wants to become Water Smart because it is a sellable logo, as opposed to LEEDS or Green, they have to meet certain criteria. He said high-efficiency toilets, Xeriscape landscaping, etc. is setting the bar and the TAC can look at what that bar is and bring some more details back.

Member Bunker said to start with they should set the bar fairly high and create the incentive. He said it would be helpful to have a brief description of the project.

Member Wilson said he agrees with Member Bunker and that you get what you ask for. He said so if they do not set the bar higher they are not going to get the kind of results they would really like and this has the opportunity to flush out some good efforts.

Chairman Flannery said he believes there ought to be an encouragement for new development to be very conscientious of water conservation as an example. He said he also believes they ought to be encouraging people to retrofit as well. He said maybe they need to have two different standards or two different approaches.

Mr. Muccillo said that is why he thinks a case by case basis to judge each one is a good approach. He said this is good feedback and what they needed to know.

Chairman Flannery said he does not see anything wrong with setting a bar at a certain height because it is easier to draw back from that than it is to increase it.

Ms. Rydell said in having worked very hard for the last three years in identifying the Water Smart logo as a conservation brand she also does not want to see the Board dilute the Water Smart logo by allowing folks who are having high intense landscape retrofit one toilet and get the logo on their site. She said she encourages them to set strong criteria and at a minimum establish an application process as they [City of Prescott] do with their incentives where clients are required to take pictures of their projects and determine water budgets. She said that too makes that particular organization Water Smart. She said she would like the Water Smart process to be a Water Smart organization and set criteria including a simple worksheet, square footage, water budgets, water use history and then award the brand after they achieve the savings.



Vice Chairman Springer said this is something she would like to see the TAC discuss further from the comments heard today and come back with some recommendation and initial guidelines. She said she would like to bring this back in September.

Member Wilson said he thinks Ms. Rydell offered to bring her application process to the TAC so they can take a look at that also.

Vice Mayor Nye said she is listening to all of the comments and it feels like something got lost. She asked what the purpose of Water Smart is. She said her father was a master landscaper and he taught her a couple of things and finances and water conservation were the same. She said if she watched her pennies they would become dollars and if she saved a glass of water it would become a gallon of water. Vice Mayor said yes, criteria; yes, standards; but if they get too rigid and too strict the smaller conservation opportunities will not participate. She said she is hoping they will have a standard for municipalities, for companies, and a category for average citizens so that they can save their bucket of water and in the long run the savings of water and the efforts for conservation are greater.

Vice Chairman Springer said Vice Mayor Nye brought up some very good points and the one she was going to mention is governments because hopefully they will be the first ones to implement this process. She asked should that standard be different than anyone else's standard or should there be government / commercial standard and a residential standard.

Mr. Muccillo said they discussed that at the TAC meeting briefly and that will definitely be a part of their September discussion.

Vice Chairman Springer asked about the logo samples. She said she thinks they are very nice and she likes the format with the entity acknowledged and then simply the Water Smart logo. She said she likes this kind of a look and this kind of size as a decal kind of approach. She said she would like to see a conforming, clear, block type of font and a little bit larger on the wording. Vice Chairman Springer said she is not fond of the larger format size. She mentioned using just an 8 ½" x 11" size similar to the ones they have out at Pioneer Park with a metal frame that goes into the ground. She said that should be standardized, small size, and permanent.

Mr. Muccillo explained the thought for the larger one is that it would be used for during construction.

Member Wilson said it is typical of what you would find on buildings.

Member Bunker said if they had a large landscape area they might need a bigger sign to be visible. He said they ought to consider allowing the larger size.

Member Wilson said giving people signs will mean some sort of monetary element so if they want larger signs they can pay for it.

Chairman Flannery said he did not find any of the sample fonts as ones that he would desire.



Howard Mechanic said the discussion at the TAC meeting the direction was to get as many of these out there as possible to do it more like advertising and promotion. He said he is leaning toward what other people have said that they do not want to use this in such a way to devalue it. He said he thinks there should be more specific goals and outlines of what people need. Mr. Mechanic said by looking at the questionnaire if somebody comes in they do not know if they qualify and what they need to do to qualify. He said it needs to be more quantitative for example, tell us how you are in the top 10% of your industry.

Chairman Flannery said he would agree. He said one of the things they do not have inclusive in this is a letter of introduction, which would explain and outline what the goals of the program are.

**ITEM NO 10. Presentation, Discussion, & Possible Action – Recharge & Source Water Pilot Projects Study**

Rick Shroads provided a PowerPoint presentation to update the Board on the status of the Recharge and Source Water Pilot Projects Study. He said they have three pilot projects areas that they have found. He said the presentation will tell the Board about the goals, objectives, and the data they are looking for. He said they found sites in Prescott, Prescott Valley, and Chino Valley. See the presentation, attached hereto as **Exhibit B**.

Member Wilson asked Mr. Shroads if he is working with the local ADWR.

Mr. Shroads said they have talked to the local ADWR about subsurface the water harvesting part of this and they have been positive about it. He said he has not visited them about the site yet.

Member Wilson said if this were to be successful and able to prove the ability to increase recharge over the 2% to something more significant where they get credit for that increase in recharge then does that mean they need legislation and a whole series of questions that cascade from that.

Mr. Shroads said the goal here right now is the science and economics end of it and as to whether the legal end of it needs to be discussed they will have to go back and discuss that with others.

Chairman Flannery said one of the directives on this was for a pilot project they needed to work on it with ADWR. He said at some point the two of them are going to have to be married.

Vice Chairman Springer asked if due to the different entities involved will they need to get permits to do these projects. She also asked if they have any cost estimates yet.

Mr. Shroads said they do not have cost estimates yet and that will be part of the study. He said as far as the permission goes they have permission from Ray Smith and Norm Davis at Public Works in Prescott Valley to do what they are proposing. He said Mark Holmes has given them the thumbs up but he would like them to submit a letter and a sketch for him to take to his council for approval. He said as far as Embry Riddle Aeronautical University goes Mike Willinger who is the Finance Director has given them permission on a limited basis and has to run it by his dean.



Vice Chairman Springer said ERAU is within the limits of the City of Prescott so they have dual entities. She said she wants to make sure they are not stepping on toes as they go through this process.

Chairman Flannery said in the Town of Prescott Valley he suspects it will have to go higher.

Member Wilson said in terms of the City of Prescott if they work through Jim Holt he can work through their Community Development office and find out if there are any permits required.

Member Bunker said in the Town of Chino Valley he cannot imagine the council is going to have any problem with okaying this. He said they have started discussions out there and this is some of the data they really need and they are anxious to see the data.

Vice Chairman Springer said as they know she has been goading them all along to see something happen and so she is very excited about the prospect and really appreciates the work. She said she hopes they can get this moving and can say they are actually accomplishing something.

Chairman Flannery said he is pleased to see what is going on here.

Charlie Hildebrant, Yavapai County Nursery Landscape Association, said Mr. Shroads had mentioned they have gravel down at the ERAU site at about 11' and asked if the other sites are potential recharge sites or are they strictly collection areas.

Mr. Shroads said they do not know for sure what the soil is until they dig but they have pretty good idea that Chino Valley is going to be heavy clays. He said that area has some loam in it and that is why they have some ponds in it. He said he suspects that Chino Valley will not only be a good runoff situation but a successful recharge situation as well. Mr. Shroads said in Prescott Valley, the Pronghorn and Viewpoint are pretty thick heavy clay up to 600' deep there so they do not anticipate a lot of recharge.

Mr. Hildebrant asked what they are going to do with the water once it is collected in the basins.

Mr. Shroads said they are going to measure it, which is the main thing they are going to do with it.

Mr. Hildebrant said that is an awful lot of money to put into just measuring it and that is his only concern.

Mr. Shroads said he designed Viewpoint Park and it is pretty heavy caliche. He said they could basin it but he really believes it is going to be an evaporation situation.

Vice Chairman Springer said she thanks Mr. Hildebrant for bringing it up because she would be hesitant to doing a project just collect the water without having something to do with it.

Mr. Shroads said that is why they decided to do the developed and the undeveloped so that they would have for sure some projects that have a recharge element associated



with it but they also have the benefit of having some great measurements for a new collection facility.

Vice Chairman Springer asked for instance at the Viewpoint Park is there a possibility of channeling that water into landscaping irrigation.

Mr. Shroads said it could be and he still has not ruled out collecting it in a basin and looking for seepage. He said they are not quite that far in the design.

Tom Slayback, Prescott, said he thinks this will come up with some very interesting data and asked if they have also considered what will be in the water since this will be in the paved parking lots at ERAU. He said the cattle raisers for years have paved sections of land to get water for their tanks but they do not have cars parking on them leaching all sorts of chemicals. He said the same thing should be looked at for the textile fabrics that are in use and whether they leach chemicals off into the water.

Mr. Shroads said one of the elements of the objectives is water quality.

Mr. Mechanic asked if these types of soil treatments have been tested in other places.

Mr. Shroads said somewhat and they have a wide array of effectiveness. He said the mat may have an increase of anywhere from 40 -75% improvement on the imperviousness of the soil and they are hoping to focus that and narrow it down.

Mr. Mechanic asked if the perforated pipes in the ground will get clogged up after 3-4 years.

Mr. Shroads said he has used perforated pipe with what they call a burrito blanket and it does a good job of filtering it out. He said there will be maintenance over time if they are implemented on a large scale basis but one of the objectives is to look at the effect of sedimentation on these kinds of things.

Doug McMillan, Civiltec, said in the case of Viewpoint / Pronghorn what they are really getting for their money in these pilot studies is information. He said three main parameters that affect cost and yield are spacing of the underground pipes, size of the pipes, and the depth. He said in terms of recharge the idea is a three step process of macro rainwater harvesting, transport, and recharge. He said transport is so important because there are so few areas that are conducive to recharge and the main area is Granite Creek. He said there are unpublished ADWR studies where they found during flood events the groundwater tables there responded in a matter of just hours. Mr. McMillan said if Viewpoint / Pronghorn was implemented on a full scale then the water would have to be transported over to Granite Creek.

Chairman Flannery told Mr. Shroads this is good work.

Mr. Muccillo said they will also have Ms. Reifsnnyder look at grant applications when they marry this up with cost to see if there are some possibilities for funding.

**ITEM NO 11. Discussion – Safe Yield Workgroup Update**

Mr. Muccillo said he wanted to give a brief update and plan going forward for the Safe Yield Workgroup. He said they started off the initial meetings by reviewing the AMA



water budget models that are available; they had Jerry Wildiman come from ADWR to speak about how things work with the AMA; and then they had a brainstorming meeting. He said they talked about artificial recharge, sharing assignment of natural recharge, water conservation, landscaping and outdoor water use, the water budget, evapotranspiration, interception, exempt wells, sewer expansion projects, educational programs, alternative water sources, enforcement, water districts, funding and financing mechanisms, social and economic repercussions of not reaching safe yield, purchasing of development rights, watershed management and new development requirements. Mr. Muccillo said they have not discussed all of those topics but they have been working through the list. He said they looked at water districts at the last couple of meetings and if a water district is to be solution here what would that look like. He said they want to spend the next three months to wrap things and have a draft report in January 2010.

Vice Chairman Springer said that sounds good to her and she would like to have the Board discuss a deadline to get this to the Board. She suggested a final report by the March 2010 meeting. She said the report is the report and is not anything they intend to implement at this time rather they are just talking about getting the report to the Board.

Chairman Flannery said if they receive it in February it would give them some time to look at it and then have the workgroup finalize the report.

Vice Chairman said the role of the Board is just to accept the report whatever that may be so she is not sure they even need a draft.

Mr. Muccillo said what he thinks she is saying is it is more of a discussion piece going forward to use to agree or disagree with various parts of the report.

Vice Chairman Springer said they are not agreeing or disagreeing with anything in the report. She said they are just accepting it and they just want to have the input.

Mr. Muccillo said he prefers March then.

Chairman Flannery asked who the orchestrator of the workgroup is.

Mr. Muccillo said he is.

**ITEM NO 12. Discussion – Next Meeting Time / Location / Agenda Items**

Mr. Muccillo said the next Board meeting is September 24<sup>th</sup>, 2009 at 2:00 p.m. He said the agenda items are likely to be updates and progress on water conservation, recharge, and the grant process. He said he doubts that they will be able to cancel a meeting before the December holidays due to the amount of activity going on.

Member Wilson said he has a conflict on the 23<sup>rd</sup> and will probably send the Vice Mayor, Bob Bell.

Meeting adjourned 3:56 p.m.

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COUNCILMAN MIKE FLANNERY, Chairman



ATTEST:

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LORRI CARLSON, Administrative Assistant