



Agenda

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**WATER CONSERVATION COMMITTEE MEETING
CITY HALL - 200 LINCOLN AVE.
CITY COUNCILORS' CONFERENCE ROOM**

TUESDAY, August 9, 2011
4:00 PM TO 6:00 PM

1. CALL TO ORDER
2. ROLL CALL
3. APPROVAL OF AGENDA
4. APPROVAL OF MINUTES - JUNE 14, 2011
JULY 12, 2011

INFORMATIONAL ITEMS:

5. Pilot project for indoor audits. (Doug Pushard)
6. Award of Reclamation Grant to Study Climate Change Impacts on Santa Fe's Water Supply. (Claudia Borchert)
7. Report on Residential End Uses of Water Study with the Water Research Foundation and Aquacraft. (Daniel Ransom)

DISCUSSION ITEMS:

8. Consideration of changing meeting times and/or frequency to encourage attendance. (Daniel Ransom)

MATTERS FROM STAFF:

MATTERS FROM THE COMMITTEE:

ITEMS FOR NEXT AGENDA – TUESDAY, SEPTEMBER 13, 2011:

ADJOURN.

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WATER CONSERVATION COMMITTEE
Tuesday, August 9, 2011**

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**MINUTES OF THE
CITY OF SANTA FE
WATER CONSERVATION COMMITTEE
Tuesday, August 9, 2011
4:00 p.m. to 6:00 p.m.**

1. CALL TO ORDER.

A meeting of the Water Conservation Committee was called to order by Councilor Christopher Calvert, Chair, at approximately 4:00 p.m., on August 9, in the City Council Conference Room, City Hall, Santa Fe, New Mexico.

2. ROLL CALL

Roll call indicated the presence of a quorum as follows:

MEMBERS PRESENT

Councilor Christopher Calvert, Chair
Melissa McDonald, Vice-Chair
Grace Perez
Doug Pushard
Karyn Schmitt
Stephen K. Wiman

MEMBERS EXCUSED

Giselle Piburn
D.H. Strongheart

MEMBERS ABSENT

Reese Baker
Mitch Davenport
Lisa Knouse

OTHERS ATTENDING

Dan Ransom, Water Division
Laurie Trevizo, Water Division
Tim Michael, NMED, Surface Water Quality Bureau
Luke Spangenburg, New Solutions Energy
Melessia Helberg, Stenographer

There was a quorum of the membership in attendance.

3. APPROVAL OF AGENDA

Mr. Pushard would like to add a very brief recap of the presentation made by Mr. Ransom at the previous meeting on Water Sources and Water Emergency Management Plan Update under Matters from the Committee.

MOTION: Doug Pushard moved, seconded by Grace Perez, to approve the Agenda as amended.

VOTE: The motion was approved unanimously on a voice vote.

4. APPROVAL OF THE MINUTES: JUNE 14, 2011 AND JULY 12, 2011

The following corrections were made to the minutes of the meeting of June 14, 2011:

Add Laurie Trevizo, Water Division under "Others Attending."

MOTION: Doug Pushard moved, seconded by Stephen Wiman, to approve the minutes of the meeting of the June 14, 2011, as amended.

VOTE: The motion was approved unanimously on a voice vote.

MOTION: Doug Pushard moved, seconded by Stephen Wiman, to approve the minutes of the meeting of July 12, 2011, as presented.

VOTE: The motion was approved unanimously on a voice vote.

INFORMATIONAL ITEMS

5. PILOT PROJECT FOR INDOOR AUDITS. (DOUG PUSHARD)

Doug Pushard presented information from his Memorandum of 08/01/2011, with attachments. Please see this document for specifics of this presentation. He spoke about the program in Eldorado called Eldorado Water Wrights, which is sending out kits to do a water audit, so people can do their own audits. He said once completed it is sent back to the organization, noting they receive something that shows how to measure water, and leak detector kits with dye.

Mr. Pushard said the intent here is to see if we can do this as part of a City program with volunteers. He said there is a lot of information in the packet on how to do this program. He said his recommendation is to do a pilot project of 12 water audits to evaluate the program including follow-up, to see how many hours it would take if the City was willing to help us organize and manage the program

The Committee commented and asked questions as follows:

Mr. Ransom said he understood there would be a coordinator to manage the program.

- Ms. McDonald said she understood we would be seeking a grant to hire a coordinator, and this wouldn't be an additional burden to the Water Conservation Office.
- Mr. Pushard said Ms. Perez is looking that. He said that will take some time, noting we really don't know how much work this would be, so a pilot program would help to scope out the amount of work which would help in the grantwriting effort. He said we will need specific information for the application, such as the number of people, the cost and such.

Mr. Ransom said staff can assist with getting that information.

- Chair Calvert said there is no need to reinvent the wheel, and Mr. Ransom has a model water audit for households, and we can modify it, or come up with something new. He said he believes we need to keep everything simple to begin. He said he is skeptical about mailing these to people, even if they have requested them, because sometimes people just don't return them. He said in Eldorado volunteers went to the homes and did the energy audits and provided the results to the people and left it to them to do the recommended things. He said they have progressed, and EarthWorks has a grant and they are doing the audits and trying to raise money to purchase the materials. He said in doing that, they are targeting the low income people first.

Mr. Ransom asked if this self-assessment is available on the websites for other communities, and Mr. Pushard said yes.

- Mr. Pushard agreed with the Chair that mailing the kit is the least effective, although it is the easiest. He said doing an on-site audit and being able to collect the information is the most effective way to do this, and provides the ability to follow-up. He said without follow-up, we won't know if the behavior has been changed, which is what we want to do.
- Chair Calvert said we could do a combination. If people request the kit, we could send it, and then follow-up if they don't send it back, and suggest going to their home to help them do the audit. He said this would be labor-saving in general.
- Mr. Pushard said that is a good idea. He said one of the things Eldorado was doing with this kit is that they had to send the information back and they then got a gift for returning the survey. He said he is trying to figure out how to do follow-up so we will know the effectiveness of the program. He said until we do some of these audits, he is unsure what is the most effective way to get that information.
- Ms. McDonald said she believes we should stick to the plan to pursue a grant to hire a coordinator who could work with organizations such as EarthWorks and Tim to train the volunteers and coordinate the effort with the City. She agrees with the Chair about mailing the kit, reiterating she

believes our time would be better spent in seeking a grant to hire a coordinator, instead of spending our time developing a packet.

- Ms. Perez said when you are applying for grant funds you need a pretty good idea of what you're going to do. She said we need to do more background work and define what we want to accomplish from Mr. Ransom's viewpoint, and what he does that ideally could be done by someone else.
- Chair Calvert said Mr. Ransom and staff can do household water audits, but questions how many they can do with all the other things they have to do. He said the concept is to augment their ability to do that.

Mr. Ransom said they are trying to concentrate on the larger commercial businesses.

- Mr. Pushard said he would like for the City to be involved in the program, noting in Eldorado they created a letter to send to the City/County authorizing the release of information. He said that seems to be complicated, and as a third party we would be in the same situation in getting information on the water conservation program.

Mr. Ransom said that wouldn't be a problem.

Mr. Pushard said if, for example, we got a grant and hired EarthWorks, they wouldn't be at this table, and the reason he would like to have the City involved.

- Ms. Perez said a partnership with the City makes the project more appealing to funders. She noted most funders require a fiscal agent as well, so we would need to partner with a non-profit to be the fiscal agent as well, so she believes we need both pieces.

Mr. Ransom said they sometimes use the Water Conservation Alliance as the fiscal agent for projects, which might be an option. He said Ms. Perez is correct about the partnerships, noting that really helps.

- Chair Calvert pointed out that partners with experience in this area are very important to the success of a grant application.
- Ms. McDonald said it sounds like the next step is to talk with Mr. Ransom about what data they have to see if we need to generate a pilot program, which would be key in the grant process. She said we need to decide how much money we need, what staff we need, and materials we need to do the audit. She suggested starting with \$50,000. She said we also could talk with the Community College, noting Mr. Strongheart had talked about calling on the students at the Community College, and the coordinator could have access to them as volunteers.

- Ms. McDonald said the actual grantwriting could be very simple. She would like to pull together various organizations which are willing to partner. She said we just need to hit the grant cycles, commenting it may take a while to get this done.
- Chair Calvert said there is a Water Conservation program at the Community College.
- Ms. McDonald said they do and they have students who need to earn those hours. She said the job of the coordinator will be to outline the program and coordinate with the Community College, and the Master Gardeners and others, and to get people involved, as well as to work with the City.
- Mr. Pushard said his experience with small grants is that it has to be a fairly well defined program to get the money, rather than trying to get money to define a program.
- Ms. McDonald said this is correct, and we are basically talking about what we're going to do – hire a coordinator to implement savings in water by doing such and such, work with the City, work with certain organizations and volunteer opportunities, and be sure the end product is the reduction in water use.

Mr. Spangenburg, a member of the audience said this Committee is on track and suggested that the group contact Workforce Development, which has a lot of money, and someone could do a training at the school, and coordinate with the Community College. He suggested the group contact Randy Grissom at the Community College. He said there are funds available for programs and internships and such.

- Ms. McDonald said she believes the goal is \$50,000 to get the program moving, and then we can test it and evaluate its effectiveness.
- Mr. Pushard agreed, saying the next step is to get with Mr. Ransom and see what information he has. He said if there are no holes in the information we can begin working on the grant, but if there are holes, then we need to figure out how to get the information to fill those holes.
- Ms. Schmitt asked Mr. Ransom if he has projected water savings numbers, noting the end point is how to save water.

Mr. Ransom said that is hard to estimate.

- Chair Calvert said you can estimate savings, but not on the conduct of the people participating in this program.

Mr. Ransom said there is information from pre-surveys and after-surveys, and those could be compared to see the difference.

- Chair Calvert said we could look at the before and after water bill.

Mr. Ransom said that is difficult because we always don't know the other variables, and water use can increase even if they are saving water.

- Ms. Perez said in terms of applying for grant funds, you set up a metric that is doable no matter what.
- Ms. McDonald asked if we can say there will be a discussion of what gaps need to be filled in terms of the audit, and then the next step would be to go to the Community College and discuss what we're doing and what they're doing. She said perhaps the grant emphasis here could be on the process – we're going to work with the Community College to help these students to use the skills that they're learning to better the community, and the hope is that we will reduce water consumption.
- Ms. Perez said every time you do an audit you are teaching people about something that's important in terms of outreach and education.

Claudia Borchert said she believes they should use our numbers in terms of targets. She said it is important to show water savings. She said an important question to ask is whether you will use a programmatic approach or a process to get results. She said if you start asking for volunteers for the project, you probably will get the low end users. She said we have a few people who use a lot of water. She said you need to decide who you're targeting with this, and the information and process would be different in terms of who you're targeting.

Responding to Ms. Perez, Ms. Borchert said, "I've always gone after the high tail users, and the high tail is usually insensitive to price, but might be able to be convinced by a young high school student knocking on their door saying, do this because it's the right thing to do. And it's easy for them... if they can just dial down their irrigation system, if they can do what they can... maybe they don't even have low-flow toilets... the landscape might be over-lush and they might not need all that water." She said this is a good idea, but you need to think about where you're going.

- Ms. McDonald said Mr. Ransom is going for the large commercial users and this program was to be for all the others who could save a little bit. She agrees there are some very big users that we wouldn't necessarily reach, but we could do something on a small scale.
- Chair Calvert asked if the water bills are public information.

Mr. Ransom yes, but it has to be requested in writing.

- Chair Calvert said if you would like to get the biggest "bang for the buck," you could get a list of all residential water users and start with the top water user and work your way down the list. And once you finish, then go to the next highest water users and so forth.
- Ms. McDonald said that would be something which could be done by volunteers. She said she doesn't believe we should call them "audits."

- Ms. Schmitt if you really want to engage them in the process, she believes it should be done anonymously. She thinks we should give them the choice of whether to use their name. She said we are trying to engage them to change their habits, and they start to come to a place where they get very defensive because they know they are using too much water. She said we shouldn't use the word "audit," which has a negative connotation.
- Ms. McDonald said at least half of the people on the top water users list don't live here full time, which is problematic. She said they may think they're a low water user because they're using less than they use at home.
- Chair Calvert suggested we can use the results but not use people's names.
- Mr. Pushard said in talking about the "how and what we're doing," this is the kind of material we have to flush through.
- Chair Calvert said the City already has the water use information.
- Ms. McDonald said this is different from having someone on your property to see what you're doing, and how it is being done. She said it does matter what we are trying to do.
- Ms. Perez asked if it would be possible to do two small pilots of the really biggest users, and set two different approaches and see where we make the most headway.
- Chair Calvert asked if she is speaking of a targeted approach versus a random approach, and Ms. Perez said yes. He said this can be done.
- Ms. McDonald said she thought originally this would not necessarily be associated with the City, and the City would go to a non-profit to implement water savings through this program.
- Mr. Pushard said if that's what the Committee wants to do, then we should take it totally off the agenda and do that.
- Ms. McDonald said the City has been involved in getting ideas started and put into the community, and then the non-profits take it over.
- Mr. Pushard said we could go to EarthWorks and say, "You're doing it for the County, go do it for the City, go get a grant and go do it." He said nothing will be happening in two years, noting "he has his plate full," and his hope was to get the program "kick-started." He said it eventually may be taken over by someone else, but he would hope that isn't the case.
- Chair Calvert said we started by looking at Eldorado, which began with volunteers and they got the energy program going, and once they had all of the kinks worked out, to increase their efforts in the community, they brought in EarthWorks. He said perhaps we want to follow this model – get something going and then turn it over to whomever. He said we also need a Plan B. He said he

isn't contradicting Ms. McDonald about seeking a grant, but he pointed out that a lot of people are hurting and there is great competition for grant funds. He said there is always the possibility that we won't get grant funds, but if we do, that's good. However, we need to have another strategy if that doesn't happen.

- Mr. Wiman asked what Eldorado initially invested in the program – what did it cost to set it up.
- Mr. Pushard said it was basically "sweat equity." He said they pulled information from other sites and copied the information on their own copy machines. He said the biggest expense were the plastic bags.

Ms. Borchert said a group of 28 households on West Alameda wants the City to look at their water use, noting there is a whole range of users. She said they might be a subset for the pilot project. She said they have already requested information on how they can do better.

- Mr. Pushard said the question is: Do we want to push forward with this as a Committee or just boot it off the agenda, and Ms. McDonald said she doesn't believe it has to be either/or.
- Mr. Pushard asked her what she would suggest.
- Ms. McDonald said she thought what we discussed last meeting was that we were going to outline a grant proposal, and then discuss partners for the grants.
- Mr. Pushard said he is fine with doing that, but he is getting mixed messages. He said, for example, what happens if we do the work, and then the next meeting we come in and say we don't want to do this. He doesn't want to be in that situation.
- Ms. McDonald said she doesn't believe people are saying we don't want to do this.
- Mr. Pushard said writing the grant isn't that difficult as long as Mr. Ransom has the information, or we know where we can get the information.
- Ms. McDonald asked Mr. Pushard why he thinks the Committee doesn't want to do this.
- Mr. Pushard said the Chair said one of the things we could do was just to have a non-profit to do this.
- Chair Calvert said he didn't say that. He said he said we could partner with a non-profit to get more coverage and quicker.
- Mr. Pushard said he heard the Chair say it was a group of individuals that started that.

- Chair Calvert said this was a group of individuals in Eldorado and not a governmental entity who decided to do this themselves without any government help. He said that would be one approach, noting this is the example that Mr. Pushard brought to the table.
- Mr. Pushard said, "I brought a proposal to the table in writing. I said that's what we learned from Eldorado, but that's not my recommendation."
- Ms. Schmitt said she would like to see two things at this point. She would like to see this information that Mr. Ransom already has, how long does the audit take, what kind of audit does the City run and that kind of information. She also would like to see what opportunities there are with the Community College, noting no one has spoken with the College. She thinks partnering with Workforce Development is a great idea, noting some of those young people get paid, but they have no jobs and we can give them jobs. This would move us further along, and we could see if there are volunteers out there. This would flesh out the information for a grant proposal.
- Chair Calvert said there are certain initial steps which people need to do to apply for a grant, such as refining the checklist. He said we need to do these kinds of things before applying for a grant. He said there is a certain amount of work which we have to do, no matter what approach we take – start at the beginning and do that.
- Ms. McDonald said, "I'm fairly certain if we went to the Community College and the Master Gardeners and said what we're trying to do and how might they fit in, that we'll probably get a whole bunch of ideas about where else we might go with it. Like we could just have an initial meeting saying this is a sheet we might use, and take what Dan has. This is a sheet we might use. We're looking to get someone to do these things. Do you think your students, these programs would fit in. And I think that there would be a generation of ideas. I do think that."
- Mr. Pushard said he agrees, and it would take on legs of its own.
- Ms. McDonald said we don't have to agree, we're just having a conversation.
- Ms. Perez said we do have the question of high end users versus self-selected sample that we need to figure out how to deal with.
- Mr. Wiman said he definitely favors going after the high end users where we can make a difference. He said perhaps we could have a two pronged approach. One, we go after the high end users, and secondly, we incorporate an Eldorado-like program for people who want to know about their own local systems. He said we need to go where we can make the biggest difference. He said there is a way to do both.
- Ms. McDonald asked how we can get to the high end users, and she agrees it would be good to do that, but "they're not going to talk to the City. I mean they're not going to want someone to come and walk around their property."

- Ms. Perez said that's where we need to figure out what is the proper separation so that they feel safe in providing information.

Mr. Ransom said staff will contact the Community College and Workforce Training and put together some costs and add to what Mr. Pushard has put together to help guide this along. He said they already are taking care of the high water users "on our end." He said when you talk about high end users, you are talking about irrigation systems, so you need someone who is experienced in irrigation to go after the high water users, because it isn't a toilet that's using the water. He said some of the top 10 large users had large leaks, pull out lines that put them there, and some don't even live there and just pay the water bill and cost isn't an issue. He said it's not easy to deal with these people, but it's good to put them in the top 10 in *The Reporter* because you've got their attention, and that helps to get them off the list quickly. He said there are other approaches, but you have to be very good at evaluating irrigation systems.

- Chair Calvert said one of the partners could be *The Reporter* and let them be the bad guy.

Mr. Ransom said *The Reporter* has stopped listing the top 10 water users.

- Chair Calvert suggested we might want to get them to start again.
- Mr. Pushard said this might be the reason the volunteers might not be the best to do this.
- Ms. Schmitt said it's good to educate people, noting she has been telling her clients it's not a good year to plant, and they'll be wasting their money because the plants won't survive, and to wait until next Spring. She said they are responsive.
- Chair Calvert said some people who don't care about the money might just go ahead and plant, and if the plants die, they plant again.
- Ms. McDonald said this is the reason she likes setting examples of what is good. She agrees with Mr. Ransom that you need to be really knowledgeable about irrigation for these people, because that is where the water is being used. She said she is disappointed with the problems at the Railyard because that's a good example in some ways. She said we need to create examples of beauty because that motivates people more – it's hip and cool to be water efficient because they do care about that. She thinks this is what will shift the high end users. She sees the smaller thing helping a lot of people who have 40 or 50 drip emitters they don't need, and that adds up and is helpful. She said she believes we can help the high end users by showing them there is a better way to do things, and that we think it's better in our community.
- Mr. Pushard said Mr. Ransom said he is comfortable that he can take care of high end users.
- Chair Calvert asked Mr. Ransom if he does a list of high end users each year.

Mr. Ransom said they haven't targeted those. He said they have a list of customers with high water use and they address those, noting at times it is leaks. He said they are doing a lot of irrigation audits right now.

- Ms. McDonald asked if they are happy to have this happen.

Mr. Ransom said they are after they get a high water bill, which usually is a motivator. He said there are different reasons for the high water bill.

- Mr. Wiman volunteered to contact *The Reporter* and find out why they stopped doing this.
- Chair Calvert said he thinks it is great to involve the Community College, but the question is how we go to them. Do we go to them then let them define it, or do we go with a very specific proposal and ask them how to implement it. He said his question is what we are asking the Community College to do in terms of their participation.

Mr. Ransom said we would go to them idea in hand, because we know what we're looking for. He said he needs to find out more from Workforce Development. He said a meeting would be good so we can find out how we can partner with the Community College and Workforce Development to make this work. He said the Community College has done some great things in terms of training for the BDD and water operators.

Ms. Trevizo said the Community College has specific requirements, and if what we are proposing doesn't fit with what they're doing, then we shouldn't consider that.

- Luke Spangenburg, New Solutions Energy, said he is a graduate of the program and he works at the Community College, and they do things like that. He said the College has interest in sustainability and water technology classes. He asked how big the program would be and how many houses would be audited. He said there are 10-15 students each semester who could be given a homework assignment in sustainability to do 2-3 water audits. He doesn't think the Committee would have a hard time selling that to the College. He said you can talk to them about water conservation degrees, auditors and such. He said the College has an incredible program for home energy auditing which is a very well funded program.
- Ms. McDonald said it would be good if Mr. Pushard and Ms. Perez could attend the meeting at the Community College – and asked staff to make sure they can attend when the meeting is scheduled, and Ms. Trevizo said she will do so.
- Ms. McDonald asked about the Master Gardeners.
- Mr. Pushard said he approached the Master Gardeners and they are not interested.
- Mr. Pushard said this will be on next month's agenda for a report of the meeting.

- Mr. Wiman said he appreciated the graphs and charts in the packet.

6. AWARD OF RECLAMATION GRANT TO STUDY CLIMATE CHANGE IMPACTS ON SANTA FE'S WATER SUPPLY. (CLAUDIA BORCHERT)

A copy of Press Release from the U.S. Department of the Interior, regarding "Salazar Announces \$2.7 Million in WaterSMART Funding to Study River Basins and Improve Water Systems," is incorporated herewith to these minutes as Exhibit "1."

Ms. Borchert presented information from her Memorandum of July 26, 2011.

Ms. Borchert said she will put information about this at the website and try to keep it updated as this moves forward. She said there will be a working group to brainstorm ideas.

Mr. Wiman asked how to differentiate weather changes from long term geological climate change. He said what we are seeing with la Nina and el Nino are weather patterns, as opposed to global weather patterns, stressing that he is a believer in climate change. He said this has to be a sensitive issue to her as a geologist.

Ms. Borchert said all you can do is to take today's weather variability and superimpose on that the temperature increase, which results in a stream flow increase between 5 and 25%. She said we already have a hydrologic record which has weather variabilities in it. She said we know the pattern is supposed to be more extreme – hotter, wetter, more violent storms, more precipitation in a short period of the time. She said they will try to incorporate the sense of those things in the modeling. She said they are trying to assume a high degree of variability and superimpose a range of options under climate variability and climate change impact.

Chair Calvert said the effects of either one are the same whether you call it la Nina or climate change – it's sort of the same thing.

Ms. Borchert said we already addressed some pretty good droughts in our long range planning, and addressed some of the worst case scenarios. She said this year we have had compounding worst case scenarios. She said it is always a question of planning: Do you plan to be able to do everything possible under the worst, worst, worst case scenario. She said you have to draw the line somewhere so it is economically feasible, but it's not a bad idea to imagine multiple, compounding, worst cases.

Mr. Pushard asked if there is an economic cost associated with water in the Long Range Plan Report.

Ms. Borchert said there are 6 criteria by which the various options are evaluated and cost is one of those, but that is the cost to implement the option. She asked if he is talking about the cost of not implementing – what is the down side of not planning, noting they don't do that, because the underlying assumption is that we are planning for the worst case scenario.

Mr. Pushard said in the worst case planning we have the ability to do certain actions based on time, such as pumping when the BDD is down.

Ms. Borchert said they are pumping pretty much all of the well sources we have right now. She said if something else happens, then we will go to outdoor use restrictions.

Mr. Pushard said this is his point. He said he isn't seeing that the planning is comprehended in any of the documents that we create.

Ms. Borchert said this is correct, it's not. She said a policy level decision was made that when this community uses water, around 100 to 110 gallons per person per day, they're already living a frugal lifestyle, and therefore demand reductions/restrictions are off the table. The planning documents plan on meeting that no matter what. She said this year, as a back fall, we might have to go to that, and that is not a part of the plan, but believes it is on the table the next time around.

Chair Calvert said one of the long range water supply options is conservation.

Ms. Borchert said this is correct but that differs from demand reduction.

Chair Calvert said reducing demand is one way not to have to increase supply. He said the study assumes that we are not doing better than we are now. However, it also says that one of the strategies we can employ is doing better than we are now.

Mr. Pushard said we also aren't doing as well as we have historically. He said restaurants continue to serve water.

Chair Calvert said there has been some backsliding on some of these things which are supposed to be done year-round.

Mr. Pushard said he is concerned about the assumption of history being a great predictor of the future if we don't do a good job of reminding people that this is what it was.

Ms. Borchert said we will have to continue to determine how to do that, noting it does cost money. She said spending a little money on education is a good tradeoff for maintaining the 100-110 gallons.

Too many people talking at once here to transcribe

Ms. Borchert said the goal is to keep dropping the water usage by 2 gallons per year.

Mr. Pushard said in Eldorado they are taking the audit kits to school and asking the students to take them home which he thinks it is a good idea, because the student will stay on the parents to complete the audit. He said we have made an assumption we are going to continue education and outreach, while at the same time we are running into budget issues. He said he is fearful that the assumption that we have done things in the past is going to get us into a lot of trouble.

Ms. Schmitt said it is important to keep this in peoples' minds, commenting she hasn't seen an article about water restrictions.

Mr. Ransom said the last meeting was entirely about water restrictions and such.

Ms. McDonald asked if there will be an analysis done on the total water savings for people who have cisterns over a five-year period, and the viability of cisterns.

Ms. Borchert said the planning period is 40 years, and they can put that in there, and they could do this under current hydrology. She said if it gets more dry and cisterns could no longer be viable.

Ms. McDonald said when building new things is the best time to put in a cistern, noting people tend to discount cisterns when it has been very dry.

Ms. Borchert said her problem with cisterns is that when water is available it doesn't hurt the City, but when the cisterns are dry they are filling them and it hurts us.

Mr. Pushard said time of use is an issue, and if people are filling a cistern at 1:00 a.m., it does save energy.

Ms. Borchert said the water people are using at 1:00 a.m., wasn't pumped at 1:00 a.m.

Too many people talking at the same time to transcribe

Chair Calvert talked about the difference between storage of water and of electricity, noting when more electric power is needed they just crank up another facility.

Ms. Borchert asked Committee members to send any additional comments to her via email.

7. REPORT ON RESIDENTIAL END USES OF WATER STUDY WITH THE WATER RESEARCH FOUNDATION AND AQUACRAFT. (DANIEL RANSOM)

Mr. Ransom reviewed the information in his Memorandum, with attached Executive Summary 1999, dated July 26, 2011, which is in the Committee packet. He said the City is participating in the update to this report, noting AquaCraft won the award to update the study. He said Santa Fe would have liked to have been a Level 1 participant, but that cost \$10,000.

Mr. Pushard clarified that in Level 2 we will be doing a random mail survey of 1,000 households, and "whoever replies, replies."

Mr. Ransom said the survey will be of 100 homes chosen randomly from the 1,000 households, which will be a data analysis. He said we will provide them with 1,000 households and 100 of those will receive a survey at random.

Mr. Ransom noted this is an on-going project which could take 2 years. He said we will get information on what has changed over the past 10 years.

Chair Calvert asked if there are other benefits to participating other than information.

Mr. Ransom said we wanted Santa Fe information to be included.

Chair Calvert asked if this helps the City in terms of grants and such, and Mr. Ransom said no, but we will get useful information.

Ms. Trevizo said they want everyone to query the data in the same way, noting there is a four-prong approach.

Responding to Ms. McDonald, Mr. Ransom said they don't want to survey master meters, and they want to know if there is a separate irrigation meter on the account.

DISCUSSION ITEMS:

8. CONSIDERATION OF CHANGING MEETING TIMES AND/OR FREQUENCY TO ENCOURAGE ATTENDANCE. (DANIEL RANSOM)

Chair Calvert said the Committee is having difficulty in getting quorums for meetings. He said we are looking at different ways to resolve the issue. He said people who attend the meetings deserve to have that commitment respected. Chair Calvert reviewed the information in Mr. Ransom's Memorandum of July 26, 2011, regarding the different suggestions to improve attendance.

The Board commented as follows:

- Ms. Schmitt noted that Mitch Davenport just sent her a memorandum resigning from the Committee.
- Chair Calvert said we need to consider whether to fill this vacancy or to shrink the Committee size.
- Ms. McDonald said not everyone understands the ramifications of a lack of quorum, and they need to understand this keeps us from making decisions.
- Chair Calvert said he believes people do understand, because we do make a point of that in the meetings.
- Ms. Perez said it is frustrating if you show up and others don't, and spoke about flying in for two meetings last winter and there was a meeting with no quorum and one meeting was canceled at the last minute because of the weather.

- Chair Calvert said everyone has busy schedules, but if you say you want to serve, then you imply that you will fulfill that commitment, and respect the time of others.

Responding to the Chair, Ms. Helberg said she it isn't up to her to decide who is excused and who is not for the minutes, and this is up to the Committee to decide. She said if the Chair doesn't say anything, she presumes the person is excused.

- Chair Calvert said there is a rule that if a member has 3 unexcused absences they are off the Committee, but he doesn't know if this is enforced by other committees. He said we need to decide what to do.
- Ms. Schmitt said the meeting time of 5:00 to 7:00 p.m. might work better for her.
- Ms. McDonald said that time is okay, but is concerned about how that would impact staff, noting Mr. Ransom lives in Albuquerque.
- Mr. Pushard said there could be an issue with getting other staff presentations if we change the meeting time to 5:00 p.m.
- Chair Calvert said if we schedule other staff we should put them first on the agenda so we don't lose that participation.
- Ms. McDonald said the first step is to contact people to see what would be easier.
- Chair Calvert said he doesn't believe it is up to staff to have to call everybody to see if they are attending the meeting. He believes it is incumbent on the member to call and let staff know if they will be attending.
- General consensus to enforce the "3 strikes and you're out" rule, let people know that and that they must provide notice in writing to be excused.
- Ms. McDonald is interested in reducing the number of Committee members.
- Suggestion to tell members they can participate telephonically.
- Members volunteered to call those who have had several absences.
- Suggestion to call members to see if changing the timing of the meetings would benefit them.

MATTERS FROM STAFF

There were no Matters from Staff

MATTERS FROM THE COMMITTEE

RECAP – WATER SOURCES AND WATER EMERGENCY MANAGEMENT PLAN UPDATE.

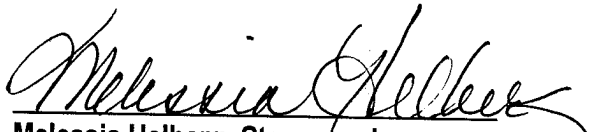
ITEMS FOR NEXT AGENDA – TUESDAY, JULY 12, 2011

1. Pilot Project for indoor audits.
2. Discussion on recommending the Council consider more severe water restrictions.
3. Committee membership

ADJOURN

There being no further business to come before the Committee, and the Committee, having completed its agenda, adjourned the meeting at 6:15 p.m.

Christopher Calvert, Chair


Melessia Helberg, Stenographer