

**MOAB CITY
WATER CONSERVATION AND DROUGHT MANAGEMENT
ADVISORY BOARD REGULAR MEETING MINUTES -- DRAFT
NOVEMBER 13, 2019**

Regular Meeting & Attendance: The Moab City Water Conservation and Drought Management Advisory Board held a Regular Meeting on the above date in the City Council Chambers at the Moab City Center, located at 217 East Center Street, Moab, Utah. An audio recording of the meeting is archived at www.utah.gov/pmn/index.html. A video recording is archived at: <https://www.youtube.com/watch?v=-rTdPgU16LhM>.

Call to Order: Board Chair Kara Dohrenwend called the meeting to order at 2:00 PM. In attendance were Board Chair Kara Dohrenwend and Board Members, Arne Hultquist, Kyle Bailey, Jeremy Lynch, Denver Perkins and Mike Duncan. Board member John Gould was absent. Staff in attendance were Sustainability Director Rosemarie Russo, Public Works Director Oscar Antillon, Assistant Engineer Eric Johanson, Assistant City Manager Carly Castle, Water Superintendent Levi Jones, Code Compliance Specialist Mona Pompili and Deputy Recorder Joey Allred. Three members of the public or media were present.

Citizens to be Heard: there were no citizens to be heard.

Board Chair Dohrenwend suggested that the agenda be adjusted so that they could discuss New Business before Old Business.

Motion and Vote: Board Member Hultquist move to approve that the agenda be adjusted to discuss New Business before Old Business. Board member Bailey seconded the motion. The motion passed 6-0 with Board members Dohrenwend, Hultquist, Bailey, Lynch, Perkins, and Duncan voting aye.

Board and Staff Reports:

Board Member Hultquist noted that the Water Quality Board was here last week. They proposed the new grey water rules for the state and have moved toward a rule making process. They should have feasible greywater rules in the state literature by March 2020.

Board Member Duncan said that he had spoken with some of the staff of Community Rebuilds at the Arroyo Crossing celebration. They are contemplating that no water leaves the site by using a greywater system for landscape watering and the blackwater will be going into composting and then used as fertilizer.

Board Member Terms:

Recommendation to Council:

Discussion: Board Chair Dohrenwend stated that Board Member Hultquist and herself were interested in continuing to serve on the Board.

Motion and Vote: Board Member Lynch moved to approve forwarding a recommendation to Council recommending that Board members Kara Dohrenwend and Arne Hultquist be appointed for the open seats on the Board for the year 2020. Board member Duncan seconded the motion. The motion passed 6-0 with Board members Dohrenwend, Hultquist, Bailey, Lynch, Perkins, and Duncan voting aye.

Water Conservation Ordinances With New Greywater Rule:

Discussion: Board Member Hultquist talked about indoor water use and what people do with it afterward. The Greywater Rule is more of an indoor water ordinance and will be ready to go in March. It has a lot of support in the community and it is inexpensive to stub it in during a new build and it can work for both residential and commercial properties. Hultquist would like to recommend that the City insist that new developments include greywater options in the new planning rules and have the stubbing in for the system be a requirement. Environmental Health Director of the Southeast Utah Health Department Orion Rogers came up to answer questions. He stated that greywater is the water from the shower, washer, bathtub and bathroom sink. If a homeowner is required to stub out when building a new home, it doesn't mean that they are required to use it, but it will give the homeowners a choice. It is extremely cost prohibitive to insist that homes that have already been constructed try to install a greywater system. Commercial properties would need to have tanks and pumps. There two different types of systems. The tier 1 system is simple and can be designed in-house by the Health Department and the tier 2 system would require someone with a level two certification. Motels would require engineering and someone to have wastewater certifications. Russo asked about costs and Rogers told the Board that the cost for a single home permit is \$325 and \$75 for the site visit and the permit is only required if a homeowner wants to use greywater. A permit isn't needed for stubbing the system in to be able to use it at some point in the future. It would be simple to install a greywater system for a single-family home but hotels using grey water would need engineering to make determinations on how much of the greywater they will be able to use, and any overflow would be sent to the sewer as required. No determination of the cost for motels has been determined as yet. Board Member Duncan asked Rogers if there was a file or link that he could go to that describes what had been discussed. Rogers will send a document to Allred that was originally put out by Santa Barbara, California regarding a branch drain system and that is what they added to the Arroyo Crossing project, she will forward it on to the Board. Duncan asked about incremental costs for projects like Walnut Lane and Rogers said that he wasn't sure because he hasn't seen it done yet. Rogers invited the Board to tour a project that is utilizing a greywater system. There was further discussion. This item will be placed on the next agenda as a "Discussion and Possible Action" item. Russo will get a case study out to Allred to forward to the Board.

The Board moved on to discuss San Juan County's Outdoor Water Conservation Ordinances. Board Chair Dohrenwend thought that looking at water efficient landscaping requirements of some kind is worth doing. She went over several of the standards in the Ordinances that get very specific. There were some good ones and there were some that she didn't agree with but felt that it was a good place to start the discussion of what the Board wants to be recommending to Council. Dohrenwend will work on using this document to create something that the Board believes will work for the City of Moab. There was some discussion of where the Board could go with this. Board Member Duncan said that he thought that these were worthwhile goals, but he was "thinking ahead from a Council's point of view." He said that if the Board were to write a rule like this, they'd phase it over a respectable length of time and possibly provide some incentives. Dohrenwend stated that the process would be that if the Board that thought that something was advisable, they would recommend to the City that the Planning Commission would need to look at it because it would have to go through the Planning Department to decide how it would fit in with the rest of the code and then it would go from Planning Commission to City Council. Assistant City Manager Castle said that it looks pretty technical and was sure that it would have city wide implications. She asked the Board if they would like to spend a year on this or if they would like to find some priority sections and start picking at it over a couple of years. She said

that it would be an intensive process, staff would have to vet it, and the Planning Commission and City Council review and discuss it and it would be going back and forth to the Board for refinement. Board Member Duncan said that the City is already employing tiered water rates at this time and wondered if they should look at manipulating them for a possible increase to encourage residents to conserve water. Russo said that the City Finance Director is looking at the current water rates and doing a study. A discussion item on Outdoor Water Conservation Ordinances will be on the next agenda.

Moab Water Facts Sheet Review:

Discussion: There was discussion regarding the several different versions and revisions of the Facts Sheet. Duncan asked if the Board would look at the simple Water Fact Sheet that he had made for Council Candidates who were up for re-election. Perkins agreed saying that the other sheet is pretty technical, and he thinks that they really need something to give to Council that is understandable at a single reading, in layman's terms. The Board reviewed the simple Water Facts Sheet drafted by Duncan and made suggestions on what changes might be needed. Board Chair Dohrenwend recommended that a section of the minutes be "Homework for the Board" from now on. The homework for the next meeting will be to get comments back to Duncan so that he can re-draft the document. Dohrenwend asked Russo to review how to keep the Water Facts Sheet and the Quick Water Facts as complimentary pieces but have one for the intermediate level and for beginners.

Resolution No. 30-2019: A Resolution Adopting Vulnerability, Consequences, and Adaptation Planning Scenarios (VCAPS):

Discussion: Russo said that she and Hultquist thought that it would be good for the Board look at some of the recommendations from Council such as: How do you deal with groundwater depletion? And, how do you deal with extreme precipitation? The Board discussed possible landscaping incentives and grants that might be possible for residents to install more water conserving landscaping. There was extensive discussion regarding storm water, ground water depth, drains, etc. Council is going to review and bring it back on another agenda. Russo asked the Board to let her know which items are more of a priority for her to work on. This Item will be placed on the next agenda. Homework for the Board will be to work on the "Now, therefore, be it resolved" section. The Board went over 10 bullet points.

- 1. Evaluate repairing the connection to Grand Water and Sewer Service Agency (GWSSA) in order to reduce its winter groundwater pumping and manage our winter overflow.*** This was deemed a repair as there used to be a connection there between GWSSA and Moab City, but it was sealed off about six years ago when it was found to be leaking and that is why it would be a repair.
- 2. Amend commercial building codes to require buildings greater than 5,000 square feet to install greywater systems and require all buildings to have WaterSense fixtures and rain catchment systems.*** It was recommended that this bullet point be amended to read, "Amend building codes to require new buildings to install the opportunity for greywater systems and require all new buildings to have WaterSense fixtures."

Castle explained that hashing all of the bullet points out would take another year. She said that it must go through staff before it can go through the different associated departments leading up to the Planning Commission and then the City Council. It would be helpful to staff if the Board planned an entire meeting to go through the document point by point, providing their much needed expertise so that the Planning Commission can be fully informed regarding the benefits of the system, the potential policy implications both good and bad, and the potential budget implications both good and bad. Board Member Duncan will work on gaining some expertise on

greywater systems so that he can eventually provide a 15-minute presentation for the Planning Commission.

Vulnerability, Consequences, and Adaptation Planning Scenarios (VCAPS)

Workshop report:

Discussion: Hultquist stated that the report is now final as opposed to it being a draft.

Utility Rate Recommendations:

Discussion: Russo stated that she had told the Finance Director that she would get rates from other cities as a comparison. She said that Grand County had already changed their water rates. Public Works Director Antillon said that there are legal requirements that the City has to comply with on what they can include in the rates. He said that the City has an engineering firm that helps them determine where their rates should be and how they set them. This agenda item will be placed on next year's priority list along with secondary water systems.

Motion and vote: Board Member Hultquist moved to approve this document, with edits from the Board, for dissemination for the City Council. Board Member Lynch seconded the motion. The motion passed 4-0 with Board members Hultquist, Lynch, Dohrenwend and Perkins voting aye.

Sustainability Video-Water Conservation:

Discussion: Russo played a section of the video to the Board. The video can be found at <https://www.youtube.com/watch?v=-hAPisuqHxE>

Community Conservation Challenge-Water Savings:

Discussion: Russo reported that they have given out about 390 efficiency kits and they are working on calculating the estimated water savings. She will report back on that at the next meeting during her staff report.

Water data and monitoring discussion prior to Groundwater Monitoring Plan meeting:

Discussion: Board Member Hultquist reported that they will have their normal MAWP meeting on Wednesday of next week. Mark Stillson will be facilitating a groundwater monitoring meeting following the MAWP meeting at the Grand Center from 3:00 PM to 5:00 PM on November 20th. Stillson and Hultquist agree that no one really knows if the City is depleting their aquifer or not and the only way that they are going to find out is if they do some adequate monitoring. At that meeting they will discuss a request for proposals (RFP) to develop a groundwater monitoring plan. Not a water quality plan but a quantity plan, although there will be some components of that. They will need to map out what water is coming from where. There will be discussion of funding and how they are going to pay for it. Hultquist would like for the City to have adequate representation at the meeting. Hultquist also reported that he has been monitoring the well at Swanny City Park and it is showing a downward trend.

Housekeeping: Dohrenwend reminded the Board to send any notes they may have taken at the September meeting to Allred so that she can flesh out the minutes. She asked Allred to email out a reminder and Hultquist asked that Allred include the agenda for that meeting in the email.

Adjournment: Dohrenwend adjourned the meeting at 3:52 PM.