



FEBRUARY 12, 2020  
WATER CONSERVATION AND DROUGHT MANAGEMENT  
ADVISORY BOARD  
REGULAR MEETING 2:00 P.M.

City Council Chambers  
217 East Center Street  
Moab, Utah 84532

1. Call To Order

2. Approval Of Minutes

Documents:

[WB-11-13-2019 MINUTES DRAFT.2.PDF](#)  
[WB-01-08-2020 MINUTES DRAFT.PDF](#)

3. Citizens To Be Heard

4. Board And Staff Reports

5. Nomination And Selection Of Board Chair

6. Continued Discussion Of 2020 Visioning And Goal Setting Workshop  
Discussion and possible action:

Documents:

[KD NOTES FROM WATER ADVISORY BOARD JAN 8 MTG.PDF](#)

6.I. Mission

Documents:

[FEB. 2020 POWER POINT.PDF](#)  
[DRAFT MISSION STATEMENT.PDF](#)

6.II. Vision

6.III. Possible Ordinance Changes

7. Discussion And Possible Adoption Of Board Priorities For 2020

7.I. Conservation Plan Revision Strategy

7.II. Other Topics

8. Future Agenda Items

## 9. Adjournment

### **Special Accommodations:**

In compliance with the Americans with Disabilities Act, individuals needing special accommodations during this meeting should notify the Recorder's Office at 217 East Center Street, Moab, Utah 84532; or phone (435) 259-5121 at least three (3) working days prior to the meeting.

Check our website for updates at: [www.moabcity.org](http://www.moabcity.org)

**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](http://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 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 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 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 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 Water Sense 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 Water Sense fixtures."

Castle explained that hashing all 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 must 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.

***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=-hAPisugHxE>

***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 20<sup>th</sup>. 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.



**CITY OF MOAB**  
**WATER CONSERVATION AND DROUGHT MANAGEMENT ADVISORY BOARD**  
**REGULAR MEETING MINUTES--DRAFT**  
**JANUARY 8, 2020**

**Regular Meeting and 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: <https://www.utah.gov/pmn/index.html>. A video recording is the archived at: <https://www.youtube.com/watch?v=bl8gLGMFrik&t=223s>

**Call to Order:** Board Chair Kara Dohrenwend called the meeting to order at 2:03 PM in the City Council Chambers located at 217 East Center Street in Moab. In attendance were Board members Arne Hultquist, Mike Duncan, Kyle Bailey, Kara Dohrenwend, Jeremy Lynch, Denver Perkins and John Gould. Staff in were Assistant City Manager Carly Castle, Assistant City Engineer Eric Johanson and Deputy Recorder Joey Allred. One member of the public or media was present.

**Approval of Minutes:** Board member Hultquist moved to approve the minutes of the September 11, 2019, October 2, 2019 and October 9, 2019. Board Members Lynch seconded the motion. The motion passed 5-0 with Board members Dohrenwend, Perkins, Duncan, Lynch, Bailey and Hultquist voting aye. The November 13, 2019 meeting minutes were tabled until the February 12, 2020 meeting for edits.

**Citizens to be Heard:** There were no citizens to be heard.

**Board and Staff Reports:**

Board Member Hultquist said that the meeting with Mark Stillson in November on the groundwater monitoring went well. Stillson mentioned that one of the things he believes is missing from the North end of the valley is a gauge at at least one of the springs that discharge. Board Member Hultquist also noted that there will be a meeting next week directly after the MAWP meeting from 2:30 -3:30 PM at the Grand Center where they will discuss what groundwater monitoring is currently taking place in the middle section of the valley. Board Member Hultquist said that one thing that will be necessary to consider is monitoring of one of the springs that discharges at the bottom end of the Glen Canyon group to determine whether less water is coming out of that spring over the years. It was suggested at that meeting that the City provide said monitoring as they have water rights to that spring. Stillson insinuated that the City wasn't taking measurements there for the entire flow, only what is being diverted. Johanson confirmed that he believed that to be the case. Board Member Duncan mentioned the USGS report and what it had said about the Glen Canyon Aquifer. He was informed that the report is done, but they are doing some revisions for formatting purposes. Board Member Hultquist is on a list to get a copy of the report as soon as it is accepted. Assistant Engineer Johanson stated that staff is going with the Ken Kolm report rather than the USGS report. Board Member Hultquist asked Johanson how the peer review on the Kolm report was going. Johanson said that City Engineer Williams has been the one dealing with that.

**Nomination and Selection of Board Chair:**

**Discussion:**

**Motion and Vote:** Board Member Hultquist moved to table this agenda item. Board Member Bailey seconded the motion. The motion passed 6-0 with Board Members Bailey, Hultquist, Dohrenwend, Lynch, Duncan, Perkins and Gould voting aye.

***Adopt 2020 Regular Meeting Schedule:***

***Discussion:*** There was no discussion

***Motion and Vote:*** Board Member Hultquist moved to approve the 2020 Regular Meeting Schedule on the second Wednesday of every month at 2:00 PM. Board Member Lynch seconded the motion. The motion passed 6-0 with Board Members Bailey, Hultquist, Dohrenwend, Lynch, Duncan, Perkins and Gould voting aye.

***Presentation and Discussion of Role of the Advisory Board:***

Assistant City Manager Castle provided a presentation on the Role of the Water Conservation and Drought Management Advisory Board according to Moab City Municipal Code 2.90.40. In the City's Current form of government all the powers of the Municipal Government rests with the City Council. It exercises legislative, administrative and quasi-judicial powers. They employ a City Manager to act as Chief Executive Officer of the City. The Planning Commission has quasi-judicial and administrative powers as well. There is also opportunity to exercise legislative authority, such as when they are developing new zoning standards or preparing a General Plan. However, none of these decisions are final. Everything must go through City Council for final approval. Advisory Boards such as this body have purely persuasive authority. They advise, and unlike the Planning Commission, the Board doesn't have legislative or quasi-judicial authority. The role of this body is to develop recommended policy and programming and to give advice on specific topics or issues. An advisory board's purview is limited by the mechanism that created the board. This Board was created by an ordinance that outlines the scope of what the board can offer advise on. It would be good to review the ordinance regularly to make sure that the board is remaining within the scope of what the City Council has given them the authority to advise on. Castle has read through the ordinance and the bylaws of the board and sees the board as having a very water specific mission. Number seven of the ordinance shows that it's not about advising City Council, it's about providing advice or technical guidance to City staff on technical issues on water related utility planning. Castle believes that one of the things that the board is struggling with is that they are often discussing water resource management which is much broader than water conservation. Water conservation is one component of water resource management. Water conservation is how people use the supply of water. Water resource management is a function of the City manager, City Engineer and Public Works Director with guidance and input from the Council. The City has a Water Resource Manager, but not a Conservation Manager. Without a Water Conservation Manager, the City can't achieve any water Conservation Goals from the Water Conservation Plan. That is the value of this plan is that the City Water Conservation Board that fills the position of a Water Conservation Manager as the board is a cross section of the community with a variety of expertise and experience. Board member Perkins asked if that wasn't what the Sustainability Director does? Castle explained that the Sustainability Director is multifaceted and not just water conservation. Board member Perkins believes that number six of the ordinance "Perform strategic planning and annual program evaluations for the Moab water conservation and drought management program," because he is concerned about the Board's role. There was discussion over whether the board is just supposed to advise for minor water conservation or if they can look at something like the USGS report and advise on what they might or might not agree with and why. Castle said that the USGS report is something for a Water Resources Manager to look at and say, what does this mean for my supply and demand? Can I manage the supply that I have? The answer that would come back from staff may be no and that they need a water conservation plan and programming to meet



specific goals depending on the supply. This board should look at the USGS report and be informed and they should be setting water conservation goals based on the information that is provided by such reports. The answer won't only be that they need to conserve more, it will include such things as the need to build redundancy into their system, the need to stop emitting so much carbon into the atmosphere and the need to identify sources of drinking water. There are a large amount of actions and recommendations that will come from that type of information. Castle said that what this board has is, "what kind of conservation programming do we need to reach the conservation goals." The state and the City already have recommended conservation goals that have been set. Castle believes that the City needs a lot of help with water conservation programming and that is where is board comes in. This board provides valuable information to staff. There are topics that she believes could be workshopped in this board such as updating the water conservation plan by next year, developing ordinance for the water shortage and drought contingencies, advising City staff and consultants on conservation pricing for updated water rates, developing more robust water conservation-related outreach and education for the community. Board Member Baily said that Council has expected more from the board in the past. Board Member Hultquist said that his prior conversations with Councilmembers indicated that they wanted the board to assist with water resource management. Board Member Lynch saw that updating the water conservation plan could include all the topics that they have discussed into a template of research that could be reviewed as opposed to having the issues dispersed. Castle recommended that the venue by which that can stay within the code would be to update the text of the plan. Castle explained that the members of the board have such expertise in different areas that they could propose their goal, explain what the board's vision is, what they would like to see happen, how it relates to other goals and how it will help them achieve their mission statement and bigger goals. Then they might pull planning, engineering and/or finance aside and possibly workshop the matter to make it a well thought out proposal. Board Chair Dohrenwend had concerns with this volunteer board drafting the conservation plan and she didn't see that as being functional. Castle said that they would start with the current draft and identify specific policies and programs that they want to implement. Board Chair Dohrenwend asked if there was someone on City staff that would be able to do that revision? Castle said that she would be staffing the board for the foreseeable future. Board member Duncan thought that the name of the board should be broadened, and the name changed to Water Advisory Board that would include these topics but would also include water quantity issues. The Board agreed. Castle explained that the City Council are the ones that can change an ordinance, not an advisory board. The board would need to speak to council and explain that they would like to expand the board. Board Chair Dohrenwend reminded the board of how they came into being and how they have done things that have been reactive, in part, because it is difficult to make conservation recommendations if you don't know what supply you have. She hopes that this meeting can give the board some clarity and decide what comes next. She said that what the board has been doing to this point doesn't match what is in the code and that the code should match what they do, or they should match the code. She believed that they needed to address the questions of what are they as a Board and what does the City need? Castle cautioned that if they broaden the mission of this board, they may need to forsake their positions on other boards that they might on as this is a small community where many people where many hats and they could easily find themselves in a situation at another meeting where they are discussion something that would require that they must notice it as one of this board's meetings. Board member Perkins stated that he thought that the most important thing that they could do for City Council is to help them with their water resources. The City already has two full-time groups of staff (the engineering department

and the Sustainability Director). that manage the day-to-day water conservation. He thought that the part that the board needed to play is to determine the safe yield of water. Board member Lynch thought that the board should be able to present information to the Council and City staff can absorb it affectively. There was extensive discussion regarding what their roles as board members are, the process of how to proceed and the possibility of amending the ordinance to broaden their roles. Johanson stated that the City staff is engaged in the process of determining the water quantity and are working on a ground water management plan for the entire valley. It was made clear that Castle would be the person staffing this board and the one that would be pulling the updated Water Conservation Plan together. Board Member Hultquist reminded the board that they did not have the attention of water rights that the community could be running out of water or of San Juan County and that there may not be enough water to do what they want to do. Everyone is now aware that there is a limited supply of water at this time and they are working hard to get the community at a reasonable supply of what their sustainable yield is. The Division of Water Rights will set that goal. The extra peer review that this board has done on of the information they have received has been well worth it and has been very helpful in keeping everyone on track and keep in the spotlight, that this needs to get done before they can allocate more water. Castle told the board that the City is updating their water rates and conservation and demand often have to do with pricing of water to have some signaling. She asked the board if they would like City staff or their consultants to go before them and if they would like to provide insight into pricing. The Board will be working on updating the Water Conservation Plan.

***2020 Visioning and Goal Setting Workshop and Discussion:***

Board Chair Dohrenwend provided a list of what she felt were good topics for visioning and goal setting for next year to the board. She saw three major task Categories as follows:

***Big Ideas:***

Tasks that she felt they needed to deal with: Some of the immediate goals as she saw them, were Updating the Water Conservation Plan, water conservation ordinance recommendations, developing ordinances for water shortage and drought contingencies, advising City staff and consultants on conservation pricing for updated water rates and developing more robust water conservation-related outreach and education. Other things that were brought up in this meeting were water pricing, possibly expand the purpose or intent of the board as defined in the ordinance to make sure that they are not losing water quantity focus, Groundwater Management Plan input, what their water budget is, develop a community engagement plan, provide Council with information regarding the translation of empirical data regarding water management and workable politically acceptable policies, encourage the City to provide a groundwater monitoring plan and then work on monitoring surface water, identify partners, collaborative efforts, relationship building with City staff, reinforce the information flow and develop the means to do so, and form smaller informal working groups and collaborate through Castle.

***Finite tasks:*** There were no finite tasks.

***Housekeeping:***

Address the mission statement. Meet with City Council regarding what Council expects from this board.

Board Chair Dohrenwend will pull all this information and put into a cohesive form and go over it with Castle to put it in a format that can be included in the board's packet for next month's meeting.

Board member Duncan had to leave the meeting at 3:53 PM.

**Adjournment:** Board member Bailey moved to adjourn the meeting at 3:44 PM. Board Member Hultquist notified the board that he would not be able to attend the next meeting. Board member Hultquist seconded the motion. The motion passed 6-0 with Board members Bailey, Hultquist, Dohrenwend, Lynch, Perkins and Gould voting aye.

DRAFT

## Moab Water Conservation and Drought Management Advisory Board

### Notes from the January 8 meeting vision and role definition session

Carly Castle, Asst City Manager, presented the ordinance defining the Board's role to the group. She discussed how advisory boards differ from City Council and Planning Commission in that they do not have legislative or quasi judicial powers but rather are PURSUASIVE in nature.

Carly presented her interpretation of what the ordinance tasks the board with, which is a fairly narrowly defined role of water conservation advice rather than supply side analysis and overall water resource management. The board, in its entirety, does not agree with this completely and sees a need to focus on the supply side analysis to some degree as none of us see that we can really effectively conserve if we do not have a clear understanding of our supply.

Carly also explained how the board advisory status works. While it is in the ordinance to have us make recommendations the council and staff, it is clearer and moves things through processes of the city to have collaboration between the board and staff before recommendations are passed onto council. Mike Duncan agreed and expanded on this further.

Mike Duncan mentioned that he felt that the ordinance needs to be revised including changing the name of the board to a more clear and understandable "Water Advisory Board" and to also propose some changes to the roles defined in said ordinance. It became apparent that many of the board members had had discussions with Council members and the Mayor and have a much broader interpretation of the role of this body.

Kara Dohrenwend, current board chair, discussed the inherent high level of ambiguity we all need to accept in order to wrap our heads around the supply/demand concept. Further, at the inception of this body the USGS report shedding more light on the supply side of the situation was only in its inception at our inception, so while it makes sense to have put in a lot of time to understanding and analyzing that document we need to also put time into conservation strategies.

It was agreed by the board that some ordinance amendments should be requested for consideration by council to clarify how this relatively young body works now that we have 2 ½ years behind us. We also agreed to use the Water Conservation Plan revision process (with assistance from City Staff (Carly)) to clarify our roles and the recommendations we are making to the city by first reviewing the entire document and beginning a google doc to make suggested changes, and by better defining action items. Which are for the board, for city staff, for collaborative efforts with other entities.

For the last 40 minutes of the meeting the group focused on the tasks ahead in 2020 and also talked about why they are on this board/what they really want to see come out of our work (what makes the time spent in meetings and preparing for meetings worthwhile). The list of topics that came up as missing from other discussions is:

- Defining and understanding a realistic water budget (this includes dialog with City Engineering to reduce the ambiguity about supply, and also determine what level in the range of supply estimates are we suggesting the City use for planning purposes).
  - This includes providing the city council, working with city staff, to translate empirical data regarding water management into workable and politically acceptable policies.
- Understanding and being a part of discussions regarding water pricing
- Requesting revision of the ordinance outlining our purpose to include water QUANTITY as well as CONSERVATION and QUALITY PROTECTION and proposing a simpler, broader name “Water Advisory Board” (Carly advised that this will create some issues with members participating in other boards and bodies in the community including the Moab Area Watershed Partnership – it does not preclude participation but we need to make sure we are in compliance with Open Meeting laws)
- Determine education and outreach needs and create a plan that members or the board may advise on but not execute.
- Determine issues that require collaboration to accomplish – with city staff, with council, with planning commission but also with other entities in the community including but not limited to GWSSA, the County, DWQ, DWRI, and other entities working on water quality and quantity issues.
- Continue to work on understanding the supply side – USGS report and Ken Kolm work
- Work on water conservation ordinance recommendations
  - For conservation measures this may include education components (carrots rather than sticks)
  - Actions for drought emergencies (both natural and caused by equipment failure)
  -

Some of the more tasks that we identified needing to be accomplished include:

- Work on collaboration and communication flow between the board and city staff
  - perhaps a flow chart to help new members understand this in future
  - take initiative to send information requests to city staff understanding that some requests will take time to fill (asking city staff to let us know when they need more time)
- Participating in crafting and implementing a groundwater management plan
- Participating in crafting and implementing ground water monitoring
- Participating in implementing surface water monitoring
- Discuss term limits and come up with a suggestion to either have them or not (we have chair term limit of 2 years, do we want overall member term limits of say 2 or 3 terms?)
- Revise the plan by 2021, perhaps using that revision process as our public outreach work for 2020
  - Review and consider revisions to our mission statement
  - Work through the plan – updating the state required data and determining what is missing in the plan and what sections need revisions
  - Redefine the action section of the plan to more clearly outline responsible parties/people or agencies who will enact these actions

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# 2018 GOALS

## AS RECORDED IN THE 1.10.2018 MINUTES

ADVISE CITY COUNCIL AND STAFF TO ENSURE THE CITY CAN SECURE QUALITY WATER AND A SUFFICIENT QUANTITY OF WATER REQUIRED FOR BUILDOUT.

- ENSURE WE UNDERSTAND MOAB'S WATER SYSTEM AND HAVE ACCURATE DATA IN ORDER TO ASSIST CITY COUNCIL AND STAFF WITH SUCH PROJECTS AS A GROUNDWATER MONITORING EFFORT AND THE UPCOMING GROUNDWATER MANAGEMENT PLAN, AS WELL AS OTHER NUMERICAL GOALS, FROM A SCIENCE-BASED POSITION AND AS A RELIABLE PARTNER IN REGIONAL WATER MANAGEMENT.
  - PROVIDE GUIDANCE AROUND MANAGEMENT OF MOAB'S WATER RIGHTS AND ENSURE WE HAVE SUFFICIENT
  - RIGHTS AND PRODUCTION CAPACITY FOR SAFE YIELD.
  - ADVISE CITY COUNCIL AND STAFF ON WATER PROTECTION, INCLUDING SOLE SOURCE PROTECTION AND WATERSHED MANAGEMENT.
  - ADVISE CITY COUNCIL AND STAFF ON WATER CONSERVATION PRIORITIES AND STRATEGIES.
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# TASKS OUTLINED AT THE JANUARY 2020 MEETING

WORK ON COLLABORATION AND COMMUNICATION FLOW BETWEEN THE BOARD AND CITY STAFF

- PERHAPS A FLOW CHART TO HELP NEW MEMBERS UNDERSTAND THIS IN FUTURE
- TAKE INITIATIVE TO SEND INFORMATION REQUESTS TO CITY STAFF UNDERSTANDING THAT SOME REQUESTS WILL TAKE TIME TO FILL (ASKING CITY STAFF TO LET US KNOW WHEN THEY NEED MORE TIME)

PARTICIPATE IN CRAFTING AND IMPLEMENTING A GROUNDWATER MANAGEMENT PLAN

PARTICIPATE IN CRAFTING AND IMPLEMENTING GROUND WATER MONITORING

PARTICIPATE IN IMPLEMENTING SURFACE WATER MONITORING

DISCUSS TERM LIMITS AND COME UP WITH A SUGGESTION TO EITHER HAVE THEM OR NOT (WE HAVE CHAIR TERM LIMIT OF 2 YEARS, DO WE WANT OVERALL MEMBER TERM LIMITS OF SAY 2 OR 3 TERMS?)

REVISE THE PLAN BY 2021, PERHAPS USING THAT REVISION PROCESS AS OUR PUBLIC OUTREACH WORK FOR 2020

- REVIEW AND CONSIDER REVISIONS TO OUR MISSION STATEMENT
- WORK THROUGH THE PLAN – UPDATING THE STATE REQUIRED DATA AND DETERMINING WHAT IS MISSING IN THE PLAN AND WHAT SECTIONS NEED REVISIONS

# EXISTING MISSION STATEMENT ADOPTED AT THE 8.9.2017 MEETING

***ADOPTION OF MISSION STATEMENT:*** THERE WAS DISCUSSION ABOUT WHETHER THE BOARD WILL ADVISE NOT ONLY THE CITY COUNCIL ON MATTERS RELATING TO WATER CONSERVATION, BUT ALSO STAFF. IT WAS CLARIFIED THAT THE BOARD SERVES AT THE PLEASURE OF THE COUNCIL, BUT THAT THE COUNCIL MAY DIRECT THE BOARD TO WORK WITH STAFF, AS ASSIGNED BY THE CITY MANAGER OR ASSISTANT CITY MANAGER. BOARD MEMBER LYNCH MOVED TO APPROVE THE MISSION STATEMENT AS DRAFTED. BOARD MEMBER DOHRENWEND SECONDED THE MOTION. THE MOTION CARRIED 4-0 AYE, WITH BOARD MEMBERS DOHRENWEND, HULTQUIST, LYNCH AND DUNCAN VOTING AYE. THE MISSION STATEMENT IS AS FOLLOWS:

*IT IS THE MISSION OF THE MOAB WATER CONSERVATION AND DROUGHT MANAGEMENT ADVISORY BOARD TO ADVISE THE MOAB CITY COUNCIL ON POLICIES AND PRACTICES TO ENSURE A QUALITY WATER SUPPLY FOR CURRENT AND FUTURE RESIDENTS OF MOAB.*

# DENVER'S MISSION STATEMENT DRAFT

THE MISSION OF THE CITY OF MOAB'S WATER RESOURCE BOARD IS TO DEVELOP RELIABLE, IMPARTIAL, TIMELY INFORMATION THAT IS NEEDED TO UNDERSTAND THE CITY'S WATER RESOURCES AND PROVIDE THIS INFORMATION TO DECISION MAKERS SO THEY MAY--

- MINIMIZE THE LOSS OF LIFE AND PROPERTY AS A RESULT OF WATER-RELATED NATURAL HAZARDS, SUCH AS FLOODS, DROUGHTS, AND LAND MOVEMENT.
- EFFECTIVELY MANAGE GROUND-WATER AND SURFACE-WATER RESOURCES FOR DOMESTIC, AGRICULTURAL, COMMERCIAL, INDUSTRIAL, RECREATIONAL, AND ECOLOGICAL USES.
- PROTECT AND ENHANCE WATER RESOURCES FOR HUMAN HEALTH, AQUATIC HEALTH, AND ENVIRONMENTAL QUALITY.
- CONTRIBUTE TO WISE PHYSICAL AND ECONOMIC DEVELOPMENT OF THE NATION'S RESOURCES FOR THE BENEFIT OF PRESENT AND FUTURE GENERATIONS.

**Draft Mission Statement  
Of the  
Moab Water Conservation and Drought Management Advisory Board  
Draft: July 2017**

The draft mission statement is as follows:

*It is the Mission of the Moab Water Conservation and Drought Management Advisory Board to advise the Moab City Council on policies and practices to ensure a quality water supply for current and future residents of Moab.*