

18:29:53 From Ladona Clayton : Ladona Clayton, Water Advocates & Executive Director, Ogallala Land & Water Conservancy

18:30:02 From Vicki Gottlieb : Vicki Gottlieb in Placitas

18:30:11 From Stefi Weisburd : Stefi Weisburd, 350 New Mexico, Rewiring America Electric Coach, Tijeras, NM

18:30:19 From Bill Bright : www.gallupsolar.org

18:30:31 From Ruth Striegel : Ruth Striegel, NM Interfaith Power and Light, Albuquerque

18:30:42 From Bob Wessely : Bob Wessely, Water Advocates

18:30:45 From Betsy Diaz : Betsy Diaz NM Water Advocates, IPL, Sacred Land & Water

18:30:47 From Patricia Cardona : Patricia Cardona Southwest Alliance for a Safe Future

18:30:55 From Rex Myers : Rex Myers, Friends of Bosque del Apache and Amigos de la Sevilleta

18:30:58 From Phil King : Phil King, Usual Suspect.

18:31:16 From Gillian Gonda : Gillian Gonda, Water Advocates

18:31:21 From Carolyn Kennedy : Lynn Montgomery & Carolyn Kennedy

18:31:27 From Pat Dooley : Pat Dooley, Consumer

18:31:38 From Charlotte Craig : Charlotte Craig, ABQ

18:31:44 From Sigmund Silber : Sigmund Silber I write on water issues and can be contacted at sigmundsilber@q.com

18:32:00 From kathleen economy : Hydrologist, retired EPA.

18:32:01 From Jeanne Logsdon : Jeanne Logsdon, League of Women Voters Central New Mexico

18:32:57 From Jessica Aberly : Good evening, I'm Jessica Aberly, an almost fully retired (but not quite yet) attorney

18:34:34 From John R Brown : JohnBrown, water Advocate

18:35:11 From Brittany Gaume : Recordings of our past workshops can be found here: <https://mrgwateradvocates.org/prior-workshops/>

18:39:31 From Sigmund Silber : The OSE used to report both withdrawals and return flows.

18:42:41 From Brittany Gaume : For those of you who just joined us, please introduce yourself in the chat. Please also post any questions you may have in the chat

18:43:30 From Jeanette Linville : Jeanette Linville, StillWaters Consulting

18:45:18 From Andrew Stone : We'll go metric when fusion becomes a reality

18:49:40 From Elaine hEBARD : ABCWUA Pumping is 2 to 3 times higher than its 2120 Plan called for, meaning that river flow depletions are also much higher than planned, meaning that waste water must be released to offset the river flow depletions rather than be reused ... continuing the decline of groundwater levels.

18:56:42 From Ladona Clayton : So, given the data you provided on the notable decline of aquifers, a finite source of groundwater, what would you recommend as a mitigation strategy to conserve as much of the aquifer groundwater as possible? Should we cease the OSE practice of approving applications that are not protested to grant the drilling of supplemental water wells in designated critical management areas and closed basins? Something has to give to ensure we conserve as much water as possible to support the communities relying solely on sole source aquifers. Each year of irrigation water = 1 year of domestic water where at least 93% of Aquifer groundwater is withdrawn by irrigation farming. This holds true for Clovis, Portales, and Texico. These communities are facing significant water scarcity.

18:57:36	From Elaine hEBARD : 2013	SJC	43.27%
2014	SJC	60.21%	
2015	SJC	55.24%	
2016	SJC	66.11%	
2017	SJC	69.37%	
2018	SJC	53.92%	
2019	SJC	71.00%	
2020	SJC	33.72%	
2021	SJC	26.31%	
2022	SJC	45.44%	
2023	SJC	51.63%	
2024	SJC	61.08%	

18:58:05 From Elaine hEBARD : ABCWUA use of surface water

18:58:15 From Norm Gaume : All conservation voluntary except for sprinklers and irrigation overflows running into the streets. Academy NE through Tanoan was like a small river every morning! Same thing with Albuquerque great public parks. No mas. 👍

18:58:20 From Brittany Gaume : Abandoned if not used for about decade after 1965

18:59:16 From Ladona Clayton : Reacted to "All conservation vol..." with 👍

19:00:55 From Andrew Stone : Ag users are at least replenishing the aquifer and groundwater levels. I'd like to know more about how the veins of the ditches are accomplishing this.

19:01:03 From Brittany Gaume : Dave and Dave will be presenting next month for us!

19:02:13 From Elaine HEBARD : Check out the 1997 BoR report on recharge of ditches by Steve Hansen and Chris Gorbach.

19:07:40 From Elaine HEBARD : SJC Hearing, Feb 26, 2003 Peter White:

Peter White (Protestant attorney): But did you [calculate the drawdown affects on wells]?

Linda Logan (OSE Expert): Did I actually calculate them? No I looked at it with a hydrologic eye, you might say, and I would not anticipate any changes. If there were changes to nearby wells I wouldn't expect it at all because of the MRGCD canals that pretty much keep the shallow private domestic wells at a pretty constant level. Anything that—it's a moderating system. It doesn't really allow affects on the river to propagate to wells rapidly. If there's excess water it'll carry it away; if there's a little less water, if say the flows are running low, it reverses the gradient and the drains will capture a little bit of water that's coming—uh, the water from the aquifer outside the MRGCD canals, so I don't see there being a great affect on wells of other—private domestic wells outside the MRGCD canals.

19:07:55 From Elaine HEBARD : White: What do you mean outside of the canals?

Logan: If you think of the river running—you have canals on one side or both sides—they vary either side and where there are canals, there's typically farmlands to the side. Those canals are intended to keep the river at a pretty constant stage. Well they're not intended for that but that's what they do, that's how they work. So if the city removes a certain amount of water, those canals would continue to function and carry the water downstream and capture any excess water that's coming out of the stream that's over and above what the city's diverted, because of the way they operate I would not expect any major concern about shallow wells outside the boundaries of those canals. Am I not making myself clear?

19:15:02 From Brittany Gaume : Pricing in the NPT (Aamodt) is even higher than the LRG

19:16:39 From Brittany Gaume : Im going to have to save that joke to tell my nephews

19:17:47 From Elaine HEBARD : In 2021, ABCWUA agreed to provide Intel 3.36 kaf -- R-21-16-- and will take the effluent at the to be built Bosque Reuse Plant. If water is released into the river, it will offset the puming for Intel, but will leave the hole upstream.

19:21:03 From Brittany Gaume : But Santa Fe requires the developers to find and bring water rights to the system for offsets

19:23:47 From Elaine hEBARD : BernCo Census

19:23:51 From Elaine hEBARD : April 1, 2020 Estimates Base
Population Estimate (as of July 1)
Difference

2020	2021	2022		
676,438	676,803	674,980	672,508	-4,295

19:24:01 From Elaine hEBARD : Lost population!

19:25:18 From Elaine hEBARD : Lease vs ownership!

19:27:15 From Phil King : Close enough.

19:27:49 From Elaine hEBARD : How about reviewing, via science, how best to meet the needs of the river, such as by protecting the oldest rights closest to the river, which will act as recharge, as the old braided river did?

19:29:20 From Brittany Gaume : Does leasing protect from abandonment?

19:29:43 From Brittany Gaume : I think there are some questions about that in the courts right now

19:30:20 From Elaine hEBARD : Sorry, just saw Ladona Clayton's questions. Obviously the above info mostly adheres to a riparian area ... but the idea remains the same -- we have to reduce pumping.

Yes, but we are focusing primarily on riparian water as you noted. Reducing irrigation pumping is an absolute must in my opinion. If irrigation draws down 93-95% of the available groundwater in a sole source aquifer, there is no other option that I can see.

19:35:01 From Charlotte Craig : Thank you very much for an excellent presentation!

19:35:45 From Ann McCartney : Wonderful presentation!

19:36:46 From Patricia Cardona : How do you deal with contaminated water from mining and nuclear discharges

19:37:33 From Elaine hEBARD : What about recalling the unused urban water permits?

19:37:50 From Corbin Carsrud : thank you Bruce, have to leave

19:39:14 From Stefi Weisburd : In East Mountains at least,

everyone is trying to save their trees and are increasing watering from wells due to rising temperatures.

19:39:21 From Stefi Weisburd : Is anyone monitoring how climate change is changing people's watering habits.

19:41:52 From Norm Gaume : Bruce, I have a similar question. The State Engineer continues to permit surface water to groundwater transfers, which has the effect of switching to from an unreliable to supply to groundwater, which is there until we exhaust it. Do think we need a moratorium on such transfers until we can implement a true conjunctive use stewardship program for both the river and our precious groundwater?

19:45:31 From Brittany Gaume : The OSE is considering implementing a process where the transferable amount is that of what the historic supply of the acequia is, there is no decision yet, but its being discussed

19:46:11 From Brittany Gaume : Replying to "Is anyone monitoring..."

This is great question for our Septemer workshop

19:52:03 From Norm Gaume : Replying to "Is anyone monitoring..."

So much agricultural water use is cultural water use. And what about food security?

19:52:21 From Norm Gaume : Replying to "Is anyone monitoring..."

We have got to stop talking about violence, please!!!

19:52:43 From Elaine HEBARD : How much value is the greensbelt, air quality enhancers, habitat,.....?

19:53:48 From Stefi Weisburd : We all eat though.

19:55:05 From Sigmund Silber : If municipal only needs 10% of the water be happy. It means we do not have a problem that can not be solved. Last I heard, most people eat food.

19:56:27 From Betsy Diaz : What amount of water is being bought up to sell at the best price: bottling in Los Lunas by bottlers. like in Colorado Wall St. buying farmer's water rights, letting them lease that to farm until the price of water is right. I have heard there is some of this in NM? Betsy Diaz

19:56:48 From Norm Gaume : Retired State Engineer Mike Hamman rightly observed that food security of the past will be reduced in the future, and a big component of our water use should provide a local source of food.

19:56:55 From Brittany Gaume : You can take the ISC survey here: <https://mainstreamnm.org>

19:57:58 From Ladona Clayton : Yet, there is no enforcement regarding the forfeiture of water rights when not put to beneficial use. And, we are ensuring that the irrigation farmer/landowner is retaining his/her water rights through the Conservation Stewardship Program provided by NRCS. We are placing all of our participating irrigation farmers water rights in this program to protect them, so this is possible.

19:59:02 From Brittany Gaume : OSE is beginning to send out abandonment notices. Its definitely nascent

19:59:30 From Brittany Gaume : Started in October when the Appellate Court Upheld the Intrepid Decsion

19:59:41 From Norm Gaume : Over 700 acre feet of Niagara Bottling water withdrawals 2018-2023, with 40% going to the sewer from the "purification" process. I just did the calculations from six years of Los Lunas billing data obtained by the Valencia Water Watchers.

20:00:00 From Ladona Clayton : Brittany, that is good to know. I had not been made aware of this, but it is an important step.

20:00:02 From Ann McCartney : Current contract with Niagara is 600 AFY.

20:00:25 From Stefi Weisburd : It's a very educational survey!

20:03:09 From Brittany Gaume : <https://us02web.zoom.us/j/86952061864?pwd=UklyZ0Q3Z1FvZXpqNwc5VzMwU0dIQT09>

20:03:10 From Stefi Weisburd : Dave Gutzler testified in water suits in the East Mountains.

20:05:51 From Ladona Clayton : Thanks so much!! Excellent presentation and Brittany you are outstanding!

20:05:54 From Charlotte Craig : Thank you very much!

20:06:49 From Gillian Gonda : Thank you. Excellent presentation and discussion.