

CARSON WATER SUBCONSERVANCY DISTRICT Regional Water System & Flood Committee

NOTICE OF PUBLIC MEETING

DATE: August 12, 2020
TIME: 8:30 am
LOCATION: Video Conference ZOOM Meeting

NOTICE TO PUBLIC: *The State of Nevada and Carson City are currently in a declared State of Emergency in response to the global pandemic caused by the coronavirus (COVID-19) infectious disease outbreak.*

In accordance with the Governor's Declaration of Emergency Directive 006, which has suspended the provisions of NRS 241.020 requiring the designation of a physical location for meetings of public bodies where members of the public are permitted to attend and participate, public meetings of Carson Water Subconservancy District will NOT have a physical location open to the public until such time this Directive is removed.

Members of the public who wish to participate during a public meeting may do so by providing public comment during the two designated public comment periods, indicated on the agenda, via telephone.

*To join by telephone, you must call **(712)451-0750** and then enter **Access Code: 411219**. You may also provide public comment in advance of a meeting by written submission to the following email address: catrina@cwsd.org. For inclusion or reference in the minutes of a meeting, your public comment must include your full name and be submitted via e-mail by not later than 3pm the day before the date of the meeting.*

AGENDA

Please Note: *The Carson Water Subconservancy District (CWSD) Board may: 1) take agenda items out of order; 2) combine two or more items for consideration; and/or 3) remove an item from the agenda or delay discussion related to an item at any time. All votes will be conducted by CWSD Board of Directors. Reasonable efforts will be made to assist and accommodate individuals with disabilities who wish to join the meeting. Please contact Catrina Schambra at (775)887-7450 (catrina@cwsd.org), at least two business days in advance so that arrangements can be made.*

1. Call to Order the CWSD Regional Water System & Flood Committee
2. Roll Call
3. For Discussion Only: Public Comment - Action may not be taken on any matter brought up under public comment until scheduled on an agenda for action at a later meeting.
4. For Possible Action: Approval of Agenda
5. For Possible Action: Approval of the Regional Water System and Flood Committee May 4, 2020 Meeting Minutes

6. For Possible Action: Discuss a funding request from Gardnerville Ranchos GID & Gardnerville Water Company for an intertie between the two utilities
7. For Discussion Only: Update on the Carson River Watershed Workshop
8. For Possible Action: Adjournment

Supporting material for this meeting may be requested from Catrina Schambra at 775-887-7450 (catrina@cwsd.org) and is available on the CWSD website at www.cwsd.org.

In response to COVID-19 Emergency Directive:

Posting in public buildings in accordance with NRS 241.020 has been waived by COVID-19 Emergency Directive #6 of Governor Sisolak. Therefore, this notice and agenda of video conference meeting has been posted on or before 9am on August 5, 2020 on the following websites for the August 12, 2020 meeting of the Carson Water Subconservancy District Regional Water System and Flood Committee, in accordance with NRS 241.020:

Carson Water Subconservancy District Website:

<http://www.cwsd.org>

State Public Meetings Website:

<http://notice.nv.gov>

**CARSON WATER SUBCONSERVANCY DISTRICT
Regional Water System & Flood Committee**

May 4, 2020, 12pm

Draft Minutes

The CWSD Regional Water System & Flood Committee meeting was held via Zoom Videoconference and teleconference due to Governor Sisolak's statewide Emergency Directive in response to the COVID-19 Pandemic.

Committee Members Present:

Brad Bonkowski
Kathy Canfield
Carl Erquiaga
David Griffith
Jack Jacobs
Mike Workman

Committee Members Not Present:

Fred Stodieck

CWSD Staff Present:

Ed James
Brenda Hunt
Debbie Neddenriep
Catrina Schambra

Others Present:

David Bruketta, Lyon County
Nick Charles, Lumos
Melissa James
Dave Merrill, Vidler Water Co.
Tim Russell, Lumos

Committee Member Erquiaga called the video/teleconference meeting of the Carson Water Subconservancy District's Regional Water System and Flood Committee to order at 12 pm. Roll call was taken and a quorum of the committee was determined to be present.

Item #3 – Discussion Only: Public Comment - None

Item #4 - For Possible Action: Approval of Agenda

Committee Member Jacobs made a motion to approve the Regional Water System and Flood Committee Agenda. The motion was seconded by Committee Member Griffith and unanimously approved by the Regional Water System and Flood Committee.

Item #5 - For Possible Action: Approval of the Regional Water System and Flood Committee Minutes of March 16, 2020

Committee Member Griffith made a motion to approve the Regional Water System and Flood Committee Minutes from March 16, 2020. The motion was seconded by Committee Member Jacobs and unanimously approved by the Regional Water System and Flood Committee.

Item #6 - For Possible Action: Recommend approval of a funding request from Lyon County to obtain a Utility Right-of-Way from Dayton to Silver Springs

David Bruketta, Utilities Director for Lyon County presented the funding request to the committee. The Highway 50 Corridor Right-of-Way Project would run between Dayton and Silver Springs and be used for water, sewer, and reclaimed water. Mr. James stated the funding must come from the Acquisition/Construction Fund per the Regional Water System & Flood Committee Policy and there is approximately \$700,000 earmarked for these types of projects. This funding request is for a total of \$125,000.

Director Workman made a motion to recommend the CWSD Board approve the funding request as presented for a total not to exceed \$125,000 from the CWSD Acquisition/Construction Fund. The motion was seconded by Director Bonkowski and unanimously approved by the Regional Water System & Flood Committee.

Item # 7 – For Discussion Only – Review the CWSD Water Marketing Plan Update Memorandum from Lumos & Associates

Nick Charles from Lumos & Associates gave a data presentation on the Water Marketing project which is funded through a Bureau of Reclamation (BOR) grant. The project is about 1/3 complete and he showed the data that has been gathered and what has been learned at this point. There has been a decrease trend in flows and more variability in the river. The data also shows the trends in use of the water.

Committee Member Griffith asked what the R square value was for the trends. Mr. Charles mentioned that the R square values are very low and stated the independent value is time. A better statistical method is to calculate the “P” values. Director Jacobs asked if they had analyzed any correlation with precipitation – rainfall and snowmelt? Mr. Charles responded that the report included just trends in the river system. Mr. James stated the East and West Fork stream flow gauges are located before any diversions, so these show what Mother Nature is giving us over time. The groundwater usage date comes from the State Engineer’s office. There was discussion of Perennial Yield (rainfall & snow melt) compared to System Yield, which includes active recharge to the aquifer. Director Jacobs say farmers will be excited about this information when it is available.

There was further discussion and Mr. James suggested that this presentation be shared with the full Board at the May 20, 2020 meeting.

No action was taken.

Item # 8 - For Discussion Only: Review the USGS 2009 Analysis of Streamflow Trends, Groundwater and Surface-Water Interactions, and Water Quality in the Upper Carson River Basin, Nevada and California Analysis

Mr. James reported his efforts to update the data used in the 2009 USGS Analysis. The data used for the report covered years 1940-2005, leaving a 15-year gap in the record. Due to questions brought up by a current USGS project, he wants to update the data to see whether

there are any measurable changes to the flows into Lahontan Reservoir. Mr. James and others are working with the water purveyors and the Federal Water Master to ensure the data they collect is accurate. The goal is to have the best data set available.

Committee Member Jacobs asked if the Alpine Decree considers the impact groundwater pumping on surface flows. Mr. James responds that it does not. However, there are concerns by people in the lower watershed that they are being impacted by upstream pumping. In 2009, the USGS published a report regarding this concern. The report mentioned that they did not see any changes to the flows into Lahontan Reservoir. This is most likely due to other changes in the watershed that are off setting the groundwater pumping. The purpose of updating the 2009 report is to see if there are any changes occurring now.

No action was taken.

Item #9 - For Possible Action: Recommend approval of the 5-year Mud Lake Lease Agreement with Carson City

Mr. James presented the Mud Lake Lease Agreement with Carson City. It is a 5-year Agreement and it is time to renew. There was brief discussion among the committee.

Director Jacobs made a motion to recommend the CWSD Board approve the 5-Year Mud Lake Lease Agreement with Carson City as presented. The motion was seconded by Committee Member Griffith and unanimously approved by the Regional Water System & Flood Committee.

Item #10 - For Possible Action: Recommend approval of the Lost Lakes Agreement with Carson City

Mr. James presented the Lost Lakes Agreement with Carson City. It is an annual Agreement and it is time to renew. This is a secondary water source for Carson City. This source is used only after the Mud Lake water and last year it was not used at all. Currently Carson City is our only market for this water, so we want to have an agreement in place in case they need it this year. Mr. James notes that there may be a need by Lyon County for use as a water source in the future. This is wintertime water and there are few wintertime sources available.

Director Jacobs made a motion to recommend the CWSD Board approve the Lost Lakes Agreement with Carson City as presented. The motion was seconded by Committee Member Griffith and unanimously approved by the Regional Water System & Flood Committee.

Item #11 - For Possible Action: Recommend Approval of the HDR Agreement and Scope of Work for the restudy and remapping of the Churchill County Floodplain

Mr. James explained the proposed Agreement with HDR for its work in the Restudy and

remapping of Churchill County Floodplain project. This is a project approved by Churchill County and started last year with preliminary hydrology studies. The cost of this project will be funded through FEMA MAS 10. There was a noted typo to be fixed and Director Jacobs asked that the insurance amount be verified by Mr. James prior to signing.

Director Bonkowski made a motion to recommend the CWSD Board approve the HDR Agreement for the FEMA Churchill County Restudy & Remapping Project with noted edit. The motion was seconded by Director Workman and unanimously approved by the Regional Water System & Flood Committee.

Item #12 – For Discussion Only: Update on Lost Lakes

Mr. James reminded the committee members that over the past ten years, Lost Lakes has cost \$100,000. Most of these costs were associated with the dam safety fees. Now USFS is looking at charging us a permit fee. It is important that we decide how we want to move forward with Lost Lake water rights. He thinks our best option would be to exchange our Lost Lakes water right with California Fish & Game for Red Lake water rights. In fact, Red Lake has some water quality issues that we can address with the revenue generated.

Ms. Hunt says that she has just started her research into this. The exchange would be the most beneficial to both entities, so she is looking into this possibility. She is working on learning what California Fish & Game goals are with Red Lake and here is still a question of Dam Safety fees.

Mr. James suggested that the next best idea is to transfer the water right to an induction well downstream. He has discussed this possibility with the Water Master. CWSD would have to install equipment to measure the flow at the existing location. This process would also require submitting a water right transfer request which could take 3-5 years.

Mr. James states this will be a slow-moving project. He will update the Board as we progress.

No action was taken.

Item #13 – For Discussion Only: Public Comment – None

There being no further business to come before the Regional Water System and Flood Committee, Director Erquiaga adjourned the meeting at 1:08 pm.

Respectfully submitted,

Catrina Schambra

Secretary to the Board

**CARSON WATER SUBCONSERVANCY DISTRICT
REGIONAL WATER SYSTEM AND FLOOD COMMITTEE**

TO: REGIONAL WATER SYSTEM AND FLOOD COMMITTEE
FROM: EDWIN D. JAMES
DATE: AUGUST 12, 2020
SUBJECT: Agenda Items Background Information

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Item # 6 – For Possible Action: Discuss a funding request from Gardnerville Ranchos GID & Gardnerville Water Company for an intertie between the two utilities

Attached is an email from GRGID's General Manager, Greg Reed, asking to discuss with CWSD a possible funding request for an intertie between GRGID and the Gardnerville Water Company. If CWSD is willing to help fund this intertie, Mr. Reed would come back in the future with an estimated of the costs for the project. This project was identified in 2010 as a possible regional water system project.

Item # 7 – For Discussion Only: Update on the Carson River Watershed Workshop

Staff is working on the Carson River Watershed Workshop. Representatives from USGS and DWR have agreed to present. We are waiting on some people regarding other presentation ideas. Attached is a rough draft outline of the workshop and possible topics.

Email from Greg Reed 6-10-20

Hi Ed:

My Board gave me permission to undertake preliminary discussions with Gardnerville Water Company (GWC) and CWSD regarding the potential construction of an intertie between the two utilities. In reaching out to Mark Lovelady at Gardnerville Water company, he indicated via the attached email that his Board was interested in continuing discussions. I am now reaching out to you for feedback. If the District and GWC can reach agreement, our Boards would likely approach CWSD for financial assistance in designing and constructing the interconnection. As noted by Mr. Lovelady, there are two potential interconnection sites; the Centerville connection which is approximately 8,000 feet and the Highway 395 interconnection which is approximately 800 feet. The Centerville location will most likely require a booster station and the Highway 395 may also require a booster station and that location would have to cross the Carson River; either by boring beneath the river or hanging a line on the existing bridge spanning the river. As you can see from even this preliminary discussion, there are a number of interesting challenges involved in making any interconnection a reality. The District would offer the services of our Engineer, Lumos & Associates, as the designer of the project. Is CWSD willing to provide financial assistance to the District and GWC for the design effort? Is CWSD willing to provide financial assistance to the District and GWC for construction of the interconnection and appurtenances? How do we move this project forward? I am willing to meet with you at your earliest convenience to discuss this project and determine the best way to keep the project moving. I have attached my letter to GWC for your review.

Thanks,

Greg

From: Mark Lovelady

Sent: Thursday, May 14, 2020 1:21 PM

Subject: Intertie

Hi Greg,

I made a quick presentation to the board and have forwarded the letter that you sent. I received positive feed back at the meeting and of course I highlighted the Pros and forgot the cons 😊.

One thing about the Minden intertie is it only servers the low pressure zone. I have to pressure zones with the dividing line at Elges Ave linking them together with clay valves. The Intertie at Riverview I believe is going to be the most Cost effective and I have two booster stations. My fire booster station has a capacity of approximately 5000 gpm at 82 psi.

My domestic is 1500 gpm at 75 psi. I am in the process of completing a new well which will give me three wells in the high zone. Total gpm of wells will be 4100. I believe these capacities and pressures will better serve you and possibly match closer pressure of your system. The information is to give you an idea of what the upper zone is capable of.

My lower zone is approximately 62 psi at Waterloo and Centerville Ln. with no tank storage, just five wells. If you have any questions, please call or email me.



Gardnerville Ranchos General Improvement District

May 7, 2020

Mark Lovelady
Manager
Gardnerville Water Company
1579 Virginia Ranch Road
Gardnerville, NV 89410

Dear Mark:

The Gardnerville Ranchos General Improvement District (GRGID) is interested in opening discussions with the Gardnerville Water Company regarding the potential construction of an emergency intertie between our two water systems. There are two potential locations for interties between our utilities: one at the intersection of Centerville Lane and Waterloo Lane and the other at the intersection of Highway 395 and Muller Parkway (formerly Pinenut Road). See attached drawings.

Emergency interconnections between water utilities can benefit both utilities as water can be wielded in both directions in the event of an emergency with one utility. GWC's current interconnections with the Town of Minden are prime examples of water utilities working together for the mutual benefit of one another. Since you are already interconnected with the Town of Minden, GRGID could potentially wield water from Minden through GWC's system to serve GRGID's needs that GWC can't accommodate.

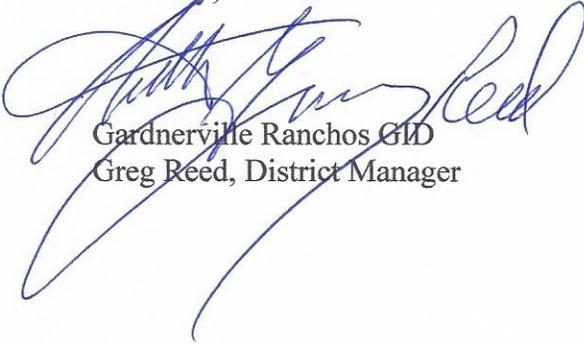
There are logistical challenges with both potential locations; the Centerville location is approximately 8,500 feet from GRGID's closest point of intersection and the Highway 395 location, while only 800 feet from GRGID's infrastructure, requires crossing the Carson River. Neither of these challenges is insurmountable as an engineering solution can be found for either location. Certainly, the costs of construction may ultimately determine which location is most appropriate.

In addition to securing approval of the Gardnerville Water Company (GWC), GRGID desires to pursue the acquisition of grant funding for this project with the Carson Water Subconservancy District (CWSD). GRGID's Board of Trustees met recently and authorized me to pursue discussions with GWC and CWSD to see if there is a mutual desire to consider construction of an interconnection between our two systems that can be used in either direction in the event of an emergency.

GRGID representatives would like the opportunity to formally present our request to your Board for consideration. Mark, could you please add this item to your agenda at your earliest convenience for discussion by your Board? Please let us know when that will occur, and we will be present to make our presentation.

I look forward to the opportunity to work with you on this mutually beneficial possibility. Please let me know if you have any questions.

Sincerely,

A handwritten signature in blue ink, appearing to read "Greg Reed", is written over the typed name and title.

Gardnerville Ranchos GID
Greg Reed, District Manager

Carson River Watershed Virtual Workshop

Addressing Nevada Water Supply Challenges in the Carson River Watershed

Draft Outline

- Welcoming
- Show the CWSD Video
- Presentations
- Break
- Presentations
- Lunch
- Presentations
- Break
- Round Robin Discussion with water experts

Potential Presentations

Potential Presenter

Humboldt River Water Study by the USGS & DWR

Kip Allander - USGS

Cold Spring Basin by DWR

DWR - ?

Mud Springs – Lower White River by DWR

DWR - ?

Walker River Groundwater Reduction Plans by DWR

DWR -?

Middle and Upper Models on the Carson River by USGS

Eric Morway - USGS

Water Marketing Study on the Carson River by Lumos & Associates

Nick Charles - Lumos

Overview of the Carson River Water Supply Picture by CWSD

Ed James - CWSD

Overview/update of the WP&DR section (15 min.)

Bunny Bishop