

**CARSON WATER SUBCONSERVANCY DISTRICT
BOARD OF DIRECTORS
AND CARSON RIVER WATERSHED COMMITTEE**

NOTICE OF PUBLIC MEETING

DATE: March 17, 2021

TIME: 6:30pm

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 attend 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 Board of Directors/Carson River Watershed Committee
2. Roll Call
3. Pledge of Allegiance
4. 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.
5. For Possible Action: Approval of Agenda
6. For Possible Action: Approval of the Board Meeting Minutes of February 17, 2021

CONSENT AGENDA

Please Note: All matters listed under the consent agenda are considered routine and may be acted upon by the Board of Directors with one action and without an extensive hearing. Any member of the Board or any citizen may request that an item be taken from the consent agenda, discussed, and acted upon separately during this meeting.

7. For Possible Action: Approval of Treasurer's Report for February 2021
8. For Possible Action: Approval of Payment of Bills for February 2021
9. For Possible Action: Approval of Contract #2021-21 JE FULLER - Ruhenstroth ADMP Phase 2 in an amount not to exceed \$89,284.

10. For Possible Action: Approval for Debbie Neddenriep to Attend the Association of State Floodplain Managers Virtual Conference May 10-14
11. For Possible Action: Approval of Contract #2021-23 CARDNO - Clear Creek Floodplain Restudy and Remap in an amount not to exceed \$161,360.
12. For Possible Action: Approval of the 2021 Water and Sewer Rate Report

****END OF CONSENT AGENDA****

13. For Discussion Only: Presentation by Alpine Watershed Group on projects conducted in Alpine County
14. For Discussion Only: Presentation on the Final version of the Water Drinking video
15. For Discussion Only: Update on the Watershed Wednesday forum
16. For Possible Action: Update on the 2021 Legislation Session
17. For Possible Action: Approval of the Fiscal Year 2021-22 Tentative Budget
18. For Discussion Only: Update on 2021 Water Year
19. For Discussion Only: Staff Reports - General Manager
 - Legal
 - Correspondence
20. For Discussion Only: Directors Reports
21. For Discussion Only: Update on activities in Alpine County
22. For Discussion Only: Update on activities in Storey County
23. 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.
24. For Possible Action: Adjournment

Supporting material for this meeting may be requested from Catrina Schambra at 775-887-7450 (catrina@cwdsd.org) and is available on the CWSD website at www.cwdsd.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 March 9, 2021 on the following websites for the March 17, 2021 regular meeting of the Carson Water Subconservancy District and the Carson River Watershed Committee, in accordance with NRS 241.020:

Carson Water Subconservancy District Website:

<http://www.cwdsd.org>

State of Nevada Public Meetings Website:

<http://notice.nv.gov>

AGENDA ITEM #6

**MINUTES OF LAST
BOARD MEETING**

CARSON WATER SUBCONSERVANCY DISTRICT
BOARD OF DIRECTORS AND
CARSON RIVER WATERSHED COMMITTEE MEETING
February 17, 2021

Draft Minutes

The CWSD February 17, 2021 Board of Directors meeting was held via Zoom Videoconference and teleconference due to Governor Sisolak's statewide Emergency Directive in response to the COVID-19 Pandemic.

Chairman Giomi called the meeting of the Carson Water Subconservancy District (CWSD) to order at 6 pm. Roll call of the CWSD Board was taken and a quorum was determined to be present.

CWSD Directors present:

John Engels, Director
Mark Gardner, Director
Stacey Giomi, Director
Ken Gray, Director
Jack Jacobs, Director
David Nelson, Director
Erne Schank, Director
Lisa Schuette, Director
Fred Stodieck, Director
Mike Workman, Director

Absent Directors: Pete Olsen, Director

Roll call of the Carson River Watershed Committee was taken which included CWSD Directors and Committee Members present - Kathy Canfield, David Griffith, and January Riddle.

CWSD Staff & Guests present:

Shane Fryer, Watershed Program Specialist
Brenda Hunt, Watershed Program Manager
Edwin James, General Manager
Patrick King, CWSD Attorney
Debbie Neddenriep, Water Resource Specialist II
Catrina Schambra, Administrative Assistant/Secretary to the Board
Katie Smith, Watershed Technician – AmeriCorps

The Pledge of Allegiance was led by Chairman Giomi.

Item #4 – Discussion Only: Public Comment –

Director John Engels and Director Mark Gardner introduced themselves. They are new to the Board and this is their first meeting.

Item #5 – For Discussion Only: Presentation to Steve Thaler for his years of service on CWSD Board

CWSD honored departing Board member Steve Thaler with a friendly roast presentation compiled by Mr. James, that fondly reminisced their years of service and adventures with us. Director Thaler is leaving the CWSD Board of Directors after serving from January 2017 through December 2020. CWSD thanks him for being such great members of our team! He will be missed!

No action was taken.

Item #6 – For Possible Action: Approval of Agenda &

Item #7 – For Possible Action: Approval of the Board Meeting Minutes of January 20, 2020

Director Grays made a motion to approve the Agenda and the Board Meeting Minutes of January 20, 2021. The motion was seconded by Committee Member Griffith and unanimously approved by the Board.

****CONSENT AGENDA****

Item #8 - For Possible Action: Approval of Treasurer's Report for January 2021

Item #9 - For Possible Action: Approval of Payment of Bills for January 2021

Item #10 - For Possible Action: Approve agreement with River Wranglers to conduct flood awareness outreach to the schools in the Carson River Watershed in an amount not to exceed \$8,500

Item #11 – For Possible Action: Approve agreement with Casey Neilon, Inc. to provide auditing services for the next three years in the amount of \$13,900 per year

Director Schank made a motion to approve Consent Agenda as presented. The motion was seconded by Director Workman and unanimously approved by the Board.

****END OF CONSENT AGENDA****

Item #12 - For Discussion Only: A presentation by CWSD staff to give an overview of CWSD activities and financials

Mr. James explained that due to Covid-19 restrictions the Strategic Planning Session could not be held as we had hoped this month. In lieu of that group session, the staff put together presentations for the Board on CWSD activities and a report on financials.

Ms. Hunt gave a slide presentation explaining the CRC Integrated Watershed Program. Afterwards, Director Engels mentioned his property and asked about diversion ditches in Carson Valley and Carson City. Mr. James explained that the Carson Valley irrigation system was created by agriculture users. Director Engels says he has a ditch committee in his area and the community is very involved in helping control weeds. There was general discussion during which Mr. King asked about the possibility of a float trip this year with Covid-19. It would be a great opportunity for the new Board members to get out on the river. Mr. Fryer says he is thinking that individual kayaks and a group float might work depending on the virus situation when the river rises. He is hoping we get to get out on the river this year too.

Ms. Hunt then showed the "I Am Carson River" video. The walking through the watershed video is really inspiring and Director Gardner asks if we can put a link to it on all County websites. He thinks the video is great!

Mrs. Neddenriep gave her presentation on Floodplain Management and Water Supply, followed by Mr. James giving an overview of CWSD financials.

New Board members, Director Nelson, and Director Schuette both thanked staff for their presentations saying they were great and so informative. Director Engels asked how to get this information out to the community? Can we share links to all the counties? He agreed the presentations were great!

Mr. James said a “road show” to all counties is planned for as soon as Covid-19 restrictions are lifted. Chairman Giomi asked that the information in the Board Package be sent to the Board digitally in full color for their use. (The printed packages were not printed in color to save toner.)

No action was taken.

Item #13 - For Discussion Only: Review the draft Community Drinking video

Ms. Hunt explained the video series and showed a draft of the in-progress Community Drinking Water video. She described the next video “Watershed Moments” as individual vignettes of community members talking about what we all can do to promote clean water in the Watershed. Director Jacobs suggests that the vignettes be focused on what to STOP doing instead. For instance, dumping motor oil, pesticides, and herbicides disposal. Also, flushing prescription drugs in toilets. There was further discussion of the campaign and Ms. Hunt asked that the campaign stickers be mailed to all Board members.

No action was taken.

Item #14 - For Discussion Only: Presentation on the Watershed Wednesdays App

Mr. Fryer gave a presentation on the App he has designed to be used by Watershed Wednesday Forum attendees. This is something new and different that CWSD is testing for the first time. Staff is excited to be able to use this as an outreach tool. He demonstrated how easy it will be to use right on your smartphone or other device of the users’ choosing. It is totally cloud based and does not take up space on your device and no signing up giving any personal information. It is basically just putting a link on your device and you are up and running. He showed what he has on the app so far, which has each days’ programming and speaker bios. Each week will have the link to the video premieres of the presentations on YouTube and the link to the Zoom Q & A Panel Session each day. He reported that he researched how people consume information in this area. While newspapers are still number one, next is their phone and computer. He thinks this will be a great addition to the Watershed Wednesday Forum.

Director Gardner noted that Melissa Blosser is the Information Officer for Douglas County and we should contact her to get the information out in his area.

No action was taken.

Item #15 - For Discussion Only: Update on 2021 Water Year

Mr. James gave a slide presentation on the 2021 Water Year to the Board. He said the last storm helped us get closer to average, but we need much more! We are at 69% now and runoff is going to be at 60% or less. Usually, the snowpack increases until April 1. The current flow is way below average. This year is another example of why the Truckee Canal is so important to the Lahontan water levels.

No action was taken.

Item #26 – For Discussion Only: Staff Reports – None

Legal – Mr. King reported the 9th Circuit has determined the Supreme Court of Nevada cannot reallocate water rights for public trust benefits. It is against the law in Nevada. Other ways to mediate must be determined. He will keep the Board informed on this issue.

Correspondence – Thank you letter from Andy Aldax Award winner Phyllis Atkinson; Nevada Appeal article re: Phyllis receiving award.

No action was taken.

Item #21 – For Discussion Only: Directors Reports –

- Chairman Giomi reported Carson City will be considering adopting LID ordinance at the meeting tomorrow. This would become part of CC Drainage Manual for future construction projects if adopted.

No action was taken.

Item #22– For Discussion Only: Update on activities in Alpine County –

- Committee Member Griffith reported that in response to constituents emerging concerns regarding pollution downstream to the water supply, Alpine County has taken samples at four points along the river for several years. They have not found anything hazardous to humans or the environment. No worries there, but the micro-plastics study has not been completed yet. He also wanted to note, regarding earlier discussion of flushing prescriptions in toilets – pharmacies will take back pharmaceuticals to dispose of. Director Engels asks if they decompose? Director Gray said they are finding detectable levels in treatment plants, but the levels are so low it is not significant.

No action was taken.

Item #23– For Discussion Only: Update on activities in Storey County –

- Committee Member Canfield reported construction on the Gold Hill Treatment Plant started at the end of January. They are very excited to start this project! The Water Resource Study is almost done.

No action was taken.

Item #24 – For Discussion Only: Public Comment – None

There being no further business to come before the Board, Chairman Giomi adjourned the meeting at 8:27 pm.

Respectfully submitted,

Catrina Schambra

Secretary to the Board

AGENDA ITEM #7

TREASURER'S REPORT

Floodplain Management Fund
Balance Sheet
As of February 28, 2021

	Feb 28, 21
ASSETS	
Current Assets	
Checking/Savings	
1013-03 · LGIP - Floodplain	366,577.83
Total Checking/Savings	366,577.83
Total Current Assets	366,577.83
TOTAL ASSETS	366,577.83
LIABILITIES & EQUITY	
Equity	
32000 · Retained Earnings	405,127.18
Net Income	-38,549.35
Total Equity	366,577.83
TOTAL LIABILITIES & EQUITY	366,577.83

6:00 PM

02/28/21

Cash Basis

Floodplain Management Fund

Profit & Loss Budget vs. Actual

July 2020 through February 2021

	Jul '20 - Feb 21	Budget	\$ Over Budget	% of Budget
Ordinary Income/Expense				
Income				
5021-03 · Lost Lake Lease	0.00	0.00	0.00	0.0%
5022-03 · Mud Lake Lease	0.00	0.00	0.00	0.0%
5032-03 · Int. Inc.-LGIP-Floodplain	1,450.65	3,025.06	-1,574.41	48.0%
Total Income	1,450.65	3,025.06	-1,574.41	48.0%
Expense				
8009-01 · Reg. Flood Preliminary Planning	0.00	300,000.00	-300,000.00	0.0%
8009-02 · Flood Project Along SR88-Minden	40,000.00	40,000.00	0.00	100.0%
8009-03 · CVCD- 2017 Flood Permit/Repairs	0.00	0.00	0.00	0.0%
8009-04 · DVCD -2017 Flood Permit/Repairs	0.00	0.00	0.00	0.0%
8009-06 · TCID Flood Project	0.00	35,000.00	-35,000.00	0.0%
Total Expense	40,000.00	375,000.00	-335,000.00	10.7%
Net Ordinary Income	-38,549.35	-371,974.94	333,425.59	10.4%
Other Income/Expense				
Other Income				
8000-03 · Beginning Equity	0.00	403,341.00	-403,341.00	0.0%
8001-03 · Trans. In- General Fund	0.00	0.00	0.00	0.0%
Total Other Income	0.00	403,341.00	-403,341.00	0.0%
Other Expense				
8002-03 · Trans.Out-General Fund	0.00	0.00	0.00	0.0%
Total Other Expense	0.00	0.00	0.00	0.0%
Net Other Income	0.00	403,341.00	-403,341.00	0.0%
Net Income	-38,549.35	31,366.06	-69,915.41	-122.9%

6:00 PM

02/28/21

Cash Basis

Floodplain Management Fund
Profit & Loss YTD Comparison
February 2021

	Feb 21	Jul '20 - Feb 21
Ordinary Income/Expense		
Income		
5032-03 · Int. Inc.-LGIP-Floodplain	94.11	1,450.65
Total Income	94.11	1,450.65
Expense		
8009-02 · Flood Project Along SR88-Minden	40,000.00	40,000.00
Total Expense	40,000.00	40,000.00
Net Ordinary Income	-39,905.89	-38,549.35
Net Income	<u>-39,905.89</u>	<u>-38,549.35</u>

Balance Sheet

As of February 28, 2021

	Feb 28, 21
ASSETS	
Current Assets	
Checking/Savings	
1013-01 · Local Gov't Inv.Pool-Reserve	929,372.65
Total Checking/Savings	929,372.65
Total Current Assets	929,372.65
TOTAL ASSETS	929,372.65
LIABILITIES & EQUITY	
Equity	
4000-01 · Fund Balance - Capital Project	781,483.15
Net Income	147,889.50
Total Equity	929,372.65
TOTAL LIABILITIES & EQUITY	929,372.65

Profit & Loss Budget vs. Actual

July 2020 through February 2021

	Jul '20 - Feb 21	Budget	\$ Over Budget	% of Budget
Ordinary Income/Expense				
Income				
5032-01 · Interest Income - LGIP Res.	2,889.50	5,723.24	-2,833.74	50.5%
Total Income	2,889.50	5,723.24	-2,833.74	50.5%
Expense				
8015-03 · Upstream Storage Evaluation		33,648.00	-33,648.00	
8015-04 · Construction Projects		715,000.00	-715,000.00	
8015-05 · Right-A-Way Lyon Cty Utility SS		125,000.00	-125,000.00	
Total Expense		873,648.00	-873,648.00	
Net Ordinary Income	2,889.50	-867,924.76	870,814.26	-0.3%
Other Income/Expense				
Other Income				
8000-01 · Beginning Equity		763,099.00	-763,099.00	
8001-01 · Transfer In-General Fund	145,000.00	145,000.00		100.0%
Total Other Income	145,000.00	908,099.00	-763,099.00	16.0%
Net Other Income	145,000.00	908,099.00	-763,099.00	16.0%
Net Income	147,889.50	40,174.24	107,715.26	368.1%

CARSON WTR SUBCONSERVANCY DIST - ACQUISITION/CONSTRUCTION
Profit & Loss YTD Comparison
February 2021

	Feb 21	Jul '20 - Feb 21
Ordinary Income/Expense		
Income		
5032-01 · Interest Income - LGIP Res.	215.13	2,889.50
Total Income	215.13	2,889.50
Net Ordinary Income	215.13	2,889.50
Other Income/Expense		
Other Income		
8001-01 · Transfer In-General Fund		145,000.00
Total Other Income		145,000.00
Net Other Income		145,000.00
Net Income	215.13	147,889.50

Balance Sheet

As of February 28, 2021

	Feb 28, 21
ASSETS	
Current Assets	
Checking/Savings	
1013-00 · Cash in Checking - U. S. Bank	168,240.09
1014-00 · Local Gov't Inv. Pool-Regular	764,216.65
1030-00 · Petty Cash	116.80
Total Checking/Savings	932,573.54
Other Current Assets	
1055-00 · Payroll Deposit - Carson City	500.00
Total Other Current Assets	500.00
Total Current Assets	933,073.54
TOTAL ASSETS	933,073.54
LIABILITIES & EQUITY	
Liabilities	
Current Liabilities	
Other Current Liabilities	
3360-00 · Accrued Vacation	31,478.76
3362-00 · Accrued sick leave	60,630.90
Total Other Current Liabilities	92,109.66
Total Current Liabilities	92,109.66
Total Liabilities	92,109.66
Equity	
4000-00 · Fund Balance	569,853.62
Net Income	271,110.26
Total Equity	840,963.88
TOTAL LIABILITIES & EQUITY	933,073.54

CARSON WATER SUBCONSERVANCY DISTRICT - GENERAL FUND

02/28/21

Profit & Loss Budget vs. Actual

Cash Basis

July 2020 through February 2021

	Jul '20 - Feb 21	Budget	\$ Over Budget	% of Budget
Ordinary Income/Expense				
Income				
5008-00 · Alpine Co. Joint Powers contrib	10,897.74	10,897.74		100.0%
5009-00 · Churchill County Ad Valorem	139,615.51	218,984.88	-79,369.37	63.8%
5010-00 · Lyon County Ad Valorem	134,004.98	187,253.01	-53,248.03	71.6%
5011-00 · Douglas County Ad Valorem	497,493.62	617,790.62	-120,297.00	80.5%
5012-00 · Carson City Ad Valorem	351,607.80	458,361.52	-106,753.72	76.7%
5022-00 · Water Lease - Mud Lake		51,765.00	-51,765.00	
5023-00 · Water Lease-Lost Lakes	804.00		804.00	100.0%
5031-00 · Interest Income-LGIP Reg.	2,471.78	4,821.36	-2,349.58	51.3%
5050-00 · Watershed Coordinator Grant				
5050-13 · NDEP-WS Coord IV 2019-2022	38,757.52	164,800.00	-126,042.48	23.5%
Total 5050-00 · Watershed Coordinator Grant	38,757.52	164,800.00	-126,042.48	23.5%
5058-00 · 208 Water Quality Plan				
5058-04 · NDEP-LID Implementation 2018-20	10,013.22	3,900.00	6,113.22	256.7%
Total 5058-00 · 208 Water Quality Plan	10,013.22	3,900.00	6,113.22	256.7%
5060-00 · Misc. Income	13.04	6,000.00	-5,986.96	0.2%
5082-00 · Alpine Co.-CASGEM Grant		400.00	-400.00	
5083-00 · Al.Co.-Mesa GW Monitoring Grant	637.35		637.35	100.0%
5100-00 · NDEP -Drone Grant	17,903.47	18,165.00	-261.53	98.6%
6003-00 · FEMA-MAS #9	52,910.25	81,420.00	-28,509.75	65.0%
6004-00 · BOR WaterSMART Grant	19,829.70	53,078.00	-33,248.30	37.4%
6005-00 · FEMA - MAS # 10	184,093.61	319,590.00	-135,496.39	57.6%
6006-00 · FEMA-MAS #11	10,225.95		10,225.95	100.0%
Total Income	1,471,279.54	2,197,227.13	-725,947.59	67.0%
Expense				
7015-00 · Salaries & Wages	254,566.74	413,300.00	-158,733.26	61.6%
7020-00 · Employee Benefits	98,731.40	172,217.00	-73,485.60	57.3%
7021-00 · Workers Comp Ins.		2,300.00	-2,300.00	
7101-00 · Director's Fees				
7101-01 · Director Benefits	75.40	100.00	-24.60	75.4%
7101-02 · Director's Fees-Alpine Co.	720.00	2,800.00	-2,080.00	25.7%
7101-00 · Director's Fees - Other	5,200.00	13,100.00	-7,900.00	39.7%
Total 7101-00 · Director's Fees	5,995.40	16,000.00	-10,004.60	37.5%
7102-00 · Insurance	4,934.79	5,100.00	-165.21	96.8%
7103-00 · Office Supplies	651.10	2,100.00	-1,448.90	31.0%
7104-00 · Postage	748.55	1,050.00	-301.45	71.3%
7105-00 · Rent	25,168.00	37,752.00	-12,584.00	66.7%
7106-00 · Telephone/Internet	3,616.49	5,000.00	-1,383.51	72.3%
7107-00 · Travel-transport/meals/lodging				
7107-02 Staff Indirect Mileage	144.51		144.51	100.0%
7107-01 · Car Allowance	1,033.21		1,033.21	100.0%
7107-00 · Travel-transport/meals/lodging - Other	374.32	16,000.00	-15,625.68	2.3%
Total 7107-00 · Travel-transport/meals/lodging	1,552.04	16,000.00	-14,447.96	9.7%
7108-00 · Dues & Publications	972.00	1,100.00	-128.00	88.4%
7109-00 · Miscellaneous Expense		1,000.00	-1,000.00	
7110-00 · Seminars & Education	464.99	1,500.00	-1,035.01	31.0%
7111-00 · Office Equipment	1,264.91	3,000.00	-1,735.09	42.2%
7112-00 · Bank Charges	25.00	50.00	-25.00	50.0%
7114-00 · Outside Professional Services	3,894.11	30,000.00	-26,105.89	13.0%
7115-00 · Accounting	14,818.00	16,800.00	-1,982.00	88.2%
7116-00 · Legal	14,000.00	32,000.00	-18,000.00	43.8%
7117-00 · Lost Lakes Expenses	1,421.91	13,500.00	-12,078.09	10.5%
7118-00 · Mud Lake O & M		1,200.00	-1,200.00	
7120-00 · Integrated Watershed Programs				
7120-07 · Watershed Tour		6,000.00	-6,000.00	

CARSON WATER SUBCONSERVANCY DISTRICT - GENERAL FUND

02/28/21

Profit & Loss Budget vs. Actual

Cash Basis

July 2020 through February 2021

	Jul '20 - Feb 21	Budget	\$ Over Budget	% of Budget
7120-33 · Watershed Coord IV 2019-22				
7120-34 · WS Coord Grant MATCH 2019-21				
7120-37 · WS COORD MATCH - NEON	4,500.00		4,500.00	100.0%
7120-34 · WS Coord Grant MATCH 2019-21 - Other		9,900.00	-9,900.00	
Total 7120-34 · WS Coord Grant MATCH 2019-21	4,500.00	9,900.00	-5,400.00	45.5%
7120-38 · WS COORD-REIMBURSABLE				
7120-39 · WS COORD REIMB - Travel	94.30		94.30	100.0%
Total 7120-38 · WS COORD-REIMBURSABLE	94.30		94.30	100.0%
7120-33 · Watershed Coord IV 2019-22 - Other	612.82	49,200.00	-48,587.18	1.2%
Total 7120-33 · Watershed Coord IV 2019-22	5,207.12	59,100.00	-53,892.88	8.8%
Total 7120-00 · Integrated Watershed Programs	5,207.12	65,100.00	-59,892.88	8.0%
7126-00 · NDEP Drone Sub-Grant 2020	372.34	305.00	67.34	122.1%
7215-00 · Sierra NV Journeys-Family Night				
7215-01 · SNJ 2020-21		3,279.00	-3,279.00	
Total 7215-00 · Sierra NV Journeys-Family Night		3,279.00	-3,279.00	
7332-00 · Carson River Work Days				
7332-06 · CR Work Days 2020-21	7,096.59	26,000.00	-18,903.41	27.3%
Total 7332-00 · Carson River Work Days	7,096.59	26,000.00	-18,903.41	27.3%
7337-00 · Carson River Restoration				
7337-01 · Carson Valley Conserv District				
7337-20 · CVCD Genoa Bank EXTENDED	80,522.67	70,000.00	10,522.67	115.0%
7337-25 · CVCD - Bioengineering 2020-21	12,923.30	65,000.00	-52,076.70	19.9%
7337-26 · CVCD - Westwood Channel 2020-21	15,791.83	100,000.00	-84,208.17	15.8%
Total 7337-01 · Carson Valley Conserv District	109,237.80	235,000.00	-125,762.20	46.5%
7337-03 · Dayton Valley Conserv				
7337-34 · DVCD Bank Stab/Dayton Br (EXT)		40,000.00	-40,000.00	
7337-36 · DVCD - Fort Churchill 2020-21		75,000.00	-75,000.00	
Total 7337-03 · Dayton Valley Conserv		115,000.00	-115,000.00	
7337-04 · Lahontan Conserv.Dist				
7337-43 · LCD- Clearing & Snagging 20-21		20,000.00	-20,000.00	
Total 7337-04 · Lahontan Conserv.Dist		20,000.00	-20,000.00	
Total 7337-00 · Carson River Restoration	109,237.80	370,000.00	-260,762.20	29.5%
7404-00 · Noxious Weeds Control-CR Wtrshd		75,000.00	-75,000.00	
7406-00 · 208 Water Quality Mgmt. Plan				
7406-03 · LID Implementation 2018-12/2020	7,689.88		7,689.88	100.0%
7406-00 · 208 Water Quality Mgmt. Plan - Other		1,210.00	-1,210.00	
Total 7406-00 · 208 Water Quality Mgmt. Plan	7,689.88	1,210.00	6,479.88	635.5%
7437-00 · FEMA MAS #9				
7437-01 · South Dayton Valley ADMP(JEF)	9,061.86		9,061.86	100.0%
7437-02 · North CC ADMP (MB)	4,589.07		4,589.07	100.0%
7437-03 · Pinenut Cr. Restudy-Remap.(HDR)	12,299.71		12,299.71	100.0%
7437-04 · Flood Awareness	4,000.00		4,000.00	100.0%
7437-00 · FEMA MAS #9 - Other	116.84	66,824.00	-66,707.16	0.2%
Total 7437-00 · FEMA MAS #9	30,067.48	66,824.00	-36,756.52	45.0%
7438-00 · BOR WaterSMART Market Program				
7438-01 · Water Mktg Study-LUMOS 2019-21				
7438-02 · BOR WaterSmart-LUMOS MATCH	4,554.05		4,554.05	100.0%
7438-01 · Water Mktg Study-LUMOS 2019-21 - Other	26,034.35	53,078.00	-27,043.65	49.0%

CARSON WATER SUBCONSERVANCY DISTRICT - GENERAL FUND

02/28/21

Profit & Loss Budget vs. Actual

Cash Basis

July 2020 through February 2021

	Jul '20 - Feb 21	Budget	\$ Over Budget	% of Budget
Total 7438-01 · Water Mktg Study-LUMOS 2019-21	30,588.40	53,078.00	-22,489.60	57.6%
Total 7438-00 · BOR WaterSMART Market Program	30,588.40	53,078.00	-22,489.60	57.6%
7439-00 · FEMA MAS #10				
7439-01 · Carson Valley Flood Model (HDR)	5,716.94		5,716.94	100.0%
7439-02 · West CC Study (Kimley-Horn)	57,577.00		57,577.00	100.0%
7439-03 · RuhenStroth ADMP (Fuller)	26,979.65		26,979.65	100.0%
7439-04 · Ch Cty Flood Maps (Precision)	1,107.50		1,107.50	100.0%
7439-05 · Ch Cty Flood Maps (HDR)	78,066.30		78,066.30	100.0%
7439-00 · FEMA MAS #10 - Other	677.10	297,642.00	-296,964.90	0.2%
Total 7439-00 · FEMA MAS #10	170,124.49	297,642.00	-127,517.51	57.2%
7440-00 · FEMA - MAS #11	96.59		96.59	100.0%
7500-00 · USGS Stream Gage Contract				
7500-03 · USGS Stream Flow Gauges 2019-21	39,202.67		39,202.67	100.0%
7500-00 · USGS Stream Gage Contract - Other		78,405.00	-78,405.00	
Total 7500-00 · USGS Stream Gage Contract	39,202.67	78,405.00	-39,202.33	50.0%
7508-00 · USGS Do.Co.WQ & GW Monitoring				
7508-03 · DoCo WQ/GW Mon. 2019-21	8,445.17	16,890.00	-8,444.83	50.0%
Total 7508-00 · USGS Do.Co.WQ & GW Monitoring	8,445.17	16,890.00	-8,444.83	50.0%
7524-00 · USGS-GW Lvl & WQ in Ch.Co.				
7524-02 · USGS-GW Lvl & WQ-ChCo 2018-22	2,157.50	5,680.00	-3,522.50	38.0%
Total 7524-00 · USGS-GW Lvl & WQ in Ch.Co.	2,157.50	5,680.00	-3,522.50	38.0%
7526-01 · USGS Middle Carson GW 2020-21	3,812.50	15,250.00	-11,437.50	25.0%
7600-00 · Alpine County Projects				
7600-09 · Al.Co.-CASGEM		5.00	-5.00	
7600-10 · Al.Co.-Mesa GW Monitoring	40.32		40.32	100.0%
7600-12 · AWG Programs 2020-21	12,500.00	25,000.00	-12,500.00	50.0%
Total 7600-00 · Alpine County Projects	12,540.32	25,005.00	-12,464.68	50.2%
7610-00 · Douglas County Projects				
7610-10 · Do.Co.Reg.Pipeline Debt Service	125,000.00	125,000.00		100.0%
Total 7610-00 · Douglas County Projects	125,000.00	125,000.00		100.0%
7620-00 · Carson City Projects				
7620-11 · CC Reg.Pipeline Debt Service	62,500.00	125,000.00	-62,500.00	50.0%
Total 7620-00 · Carson City Projects	62,500.00	125,000.00	-62,500.00	50.0%
7640-00 · Churchill County Projects				
7640-09 · Lahontan Vly.Wtr.Lvl. 2018-21	3,890.00	20,000.00	-16,110.00	19.5%
7640-18 · Dixie Vlt Wtr Lvl Meas 2019-22	4,315.00	21,000.00	-16,685.00	20.5%
7640-19 · TCID-Diversion Dam Gates 20-21		15,000.00	-15,000.00	
Total 7640-00 · Churchill County Projects	8,205.00	56,000.00	-47,795.00	14.7%
Total Expense	1,055,169.28	2,176,637.00	-1,121,467.72	48.5%
Net Ordinary Income	416,110.26	20,590.13	395,520.13	2,020.9%
Other Income/Expense				
Other Income				
8005-00 · Beginning Equity		642,848.30	-642,848.30	
Total Other Income		642,848.30	-642,848.30	
Other Expense				
8002-00 · Transfer Out-Acq/Const Fund	145,000.00	145,000.00		100.0%
8008-00 · Preliminary Planning		385,000.00	-385,000.00	
Total Other Expense	145,000.00	530,000.00	-385,000.00	27.4%

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CARSON WATER SUBCONSERVANCY DISTRICT - GENERAL FUND

02/28/21

Profit & Loss Budget vs. Actual

Cash Basis

July 2020 through February 2021

	Jul '20 - Feb 21	Budget	\$ Over Budget	% of Budget
Net Other Income	-145,000.00	112,848.30	-257,848.30	-128.5%
Net Income	<u>271,110.26</u>	<u>133,438.43</u>	<u>137,671.83</u>	<u>203.2%</u>

CARSON WATER SUBCONSERVANCY DISTRICT - GENERAL FUND

02/28/21

Profit & Loss YTD Comparison

Cash Basis

February 2021

	Feb 21	Jul '20 - Feb 21
Ordinary Income/Expense		
Income		
5008-00 · Alpine Co. Joint Powers contrib		10,897.74
5009-00 · Churchill County Ad Valorem		139,615.51
5010-00 · Lyon County Ad Valorem		134,004.98
5011-00 · Douglas County Ad Valorem	66,032.60	497,493.62
5012-00 · Carson City Ad Valorem	30,632.99	351,607.80
5022-00 · Water Lease - Mud Lake		
5023-00 · Water Lease-Lost Lakes		804.00
5031-00 · Interest Income-LGIP Reg.	176.90	2,471.78
5050-00 · Watershed Coordinator Grant		
5050-13 · NDEP-WS Coord IV 2019-2022		38,757.52
Total 5050-00 · Watershed Coordinator Grant		38,757.52
5058-00 · 208 Water Quality Plan		
5058-04 · NDEP-LID Implementation 2018-20		10,013.22
Total 5058-00 · 208 Water Quality Plan		10,013.22
5060-00 · Misc. Income		13.04
5082-00 · Alpine Co.-CASGEM Grant		
5083-00 · Al.Co.-Mesa GW Monitoring Grant	637.35	637.35
5096-00 · NFWF-Weed Mgmt.		
5100-00 · NDEP -Drone Grant		17,903.47
6003-00 · FEMA-MAS #9	1,278.75	52,910.25
6004-00 · BOR WaterSMART Grant		19,829.70
6005-00 · FEMA - MAS # 10	54,675.23	184,093.61
6006-00 · FEMA-MAS #11		10,225.95
Total Income	153,433.82	1,471,279.54
Expense		
7015-00 · Salaries & Wages	32,125.00	254,566.74
7020-00 · Employee Benefits	12,635.45	98,731.40
7021-00 · Workers Comp Ins.		
7101-00 · Director's Fees		
7101-01 · Director Benefits	9.28	75.40
7101-02 · Director's Fees-Alpine Co.		720.00
7101-00 · Director's Fees - Other	640.00	5,200.00
Total 7101-00 · Director's Fees	649.28	5,995.40
7102-00 · Insurance		4,934.79
7103-00 · Office Supplies	-31.23	651.10
7104-00 · Postage	-0.55	748.55
7105-00 · Rent	3,146.00	25,168.00
7106-00 · Telephone/Internet		3,616.49
7107-00 · Travel-transport/meals/lodging		
7107-02 Staff Indirect Mileage		144.51
7107-01 · Car Allowance	500.00	1,033.21
7107-00 · Travel-transport/meals/lodging - Other		374.32
Total 7107-00 · Travel-transport/meals/lodging	500.00	1,552.04
7108-00 · Dues & Publications	136.00	972.00
7110-00 · Seminars & Education		464.99
7111-00 · Office Equipment		1,264.91
7112-00 · Bank Charges		25.00
7114-00 · Outside Professional Services		3,894.11
7115-00 · Accounting		14,818.00
7116-00 · Legal	2,000.00	14,000.00
7117-00 · Lost Lakes Expenses		1,421.91
7120-00 · Integrated Watershed Programs		
7120-33 · Watershed Coord IV 2019-22		
7120-34 · WS Coord Grant MATCH 2019-21		
7120-37 · WS COORD MATCH - NEON		4,500.00
Total 7120-34 · WS Coord Grant MATCH 2019-21		4,500.00
7120-38 · WS COORD-REIMBURSABLE		
7120-39 · WS COORD REIMB - Travel		94.30
Total 7120-38 · WS COORD-REIMBURSABLE		94.30
7120-33 · Watershed Coord IV 2019-22 - Other	191.21	612.82

CARSON WATER SUBCONSERVANCY DISTRICT - GENERAL FUND

Profit & Loss YTD Comparison

February 2021

	Feb 21	Jul '20 - Feb 21
Total 7120-33 · Watershed Coord IV 2019-22	191.21	5,207.12
Total 7120-00 · Integrated Watershed Programs	191.21	5,207.12
7126-00 · NDEP Drone Sub-Grant 2020		372.34
7215-00 · Sierra NV Journeys-Family Night		
7332-00 · Carson River Work Days		
7332-05 · CR Work Days 2019-20		
7332-06 · CR Work Days 2020-21		7,096.59
Total 7332-00 · Carson River Work Days		7,096.59
7337-00 · Carson River Restoration		
7337-01 · Carson Valley Conserv District		
7337-20 · CVCD Genoa Bank EXTENDED		80,522.67
7337-25 · CVCD - Bioengineering 2020-21		12,923.30
7337-26 · CVCD - Westwood Channel 2020-21		15,791.83
Total 7337-01 · Carson Valley Conserv District		109,237.80
7337-03 · Dayton Valley Conserv		
7337-33 · DVCD--Restoration 2017-20 EXT		
7337-34 · DVCD Bank Stab/Dayton Br (EXT)		
Total 7337-03 · Dayton Valley Conserv		
Total 7337-00 · Carson River Restoration		109,237.80
7404-00 · Noxious Weeds Control-CR Wtrshd		
7404-01 · Noxious Weed Control-Alpine Co.		
7404-02 · Noxious Weed Control-Douglas Co		
7404-03 · Noxious Weed Control-CarsonCity		
7404-04 · Noxious Weed Control-Lyon Co.		
7404-05 · Noxious Weed Control-Churchill		
Total 7404-00 · Noxious Weeds Control-CR Wtrshd		
7406-00 · 208 Water Quality Mgmt. Plan		
7406-03 · LID Implementation 2018-12/2020		7,689.88
Total 7406-00 · 208 Water Quality Mgmt. Plan		7,689.88
7437-00 · FEMA MAS #9		
7437-01 · South Dayton Valley ADMP(JEF)		9,061.86
7437-02 · North CC ADMP (MB)		4,589.07
7437-03 · Pinenut Cr. Restudy-Remap.(HDR)		12,299.71
7437-04 · Flood Awareness		
7437-41 · River Wranglers-FAW		
7437-04 · Flood Awareness - Other		4,000.00
Total 7437-04 · Flood Awareness		4,000.00
7437-00 · FEMA MAS #9 - Other	2.38	116.84
Total 7437-00 · FEMA MAS #9	2.38	30,067.48
7438-00 · BOR WaterSMART Market Program		
7438-01 · Water Mktg Study-LUMOS 2019-21		4,554.05
7438-02 · BOR WaterSmart-LUMOS MATCH		26,034.35
7438-01 · Water Mktg Study-LUMOS 2019-21 - Other	2,340.90	
Total 7438-01 · Water Mktg Study-LUMOS 2019-21	2,340.90	30,588.40
Total 7438-00 · BOR WaterSMART Market Program	2,340.90	30,588.40
7439-00 · FEMA MAS #10		
7439-01 · Carson Valley Flood Model (HDR)		5,716.94
7439-02 · West CC Study (Kimley-Horn)	9,008.00	57,577.00
7439-03 · RuhenStroth ADMP (Fuller)		26,979.65
7439-04 · Ch Cty Flood Maps (Precision)		1,107.50
7439-05 · Ch Cty Flood Maps (HDR)	43,617.15	78,066.30
7439-00 · FEMA MAS #10 - Other	9.09	677.10
Total 7439-00 · FEMA MAS #10	52,634.24	170,124.49
7440-00 · FEMA - MAS #11	37.52	96.59
7500-00 · USGS Stream Gage Contract		
7500-03 · USGS Stream Flow Gauges 2019-21	19,601.67	39,202.67
Total 7500-00 · USGS Stream Gage Contract	19,601.67	39,202.67

CARSON WATER SUBCONSERVANCY DISTRICT - GENERAL FUND

02/28/21

Profit & Loss YTD Comparison

Cash Basis

February 2021

	Feb 21	Jul '20 - Feb 21
7508-00 · USGS Do.Co.WQ & GW Monitoring		
7508-03 · DoCo WQ/GW Mon. 2019-21	4,222.67	8,445.17
Total 7508-00 · USGS Do.Co.WQ & GW Monitoring	4,222.67	8,445.17
7524-00 · USGS-GW Lvl & WQ in Ch.Co.		
7524-02 · USGS-GW Lvl & WQ-ChCo 2018-22	692.50	2,157.50
Total 7524-00 · USGS-GW Lvl & WQ in Ch.Co.	692.50	2,157.50
7526-00 · USGS-Eagle/Dayt/Ch.Vly. 2016-20		
7526-01 · USGS Middle Carson GW 2020-21	3,812.50	3,812.50
7600-00 · Alpine County Projects		
7600-10 · Al.Co.-Mesa GW Monitoring		40.32
7600-12 · AWG Programs 2020-21		12,500.00
Total 7600-00 · Alpine County Projects		12,540.32
7610-00 · Douglas County Projects		
7610-10 · Do.Co.Reg.Pipeline Debt Service	62,500.00	125,000.00
Total 7610-00 · Douglas County Projects	62,500.00	125,000.00
7620-00 · Carson City Projects		
7620-11 · CC Reg.Pipeline Debt Service		62,500.00
7620-16 · CC Reuse Master Plan 2019-20		
Total 7620-00 · Carson City Projects		62,500.00
7640-00 · Churchill County Projects		
7640-09 · Lahontan Vly.Wtr.Lvl. 2018-21		3,890.00
7640-18 · Dixie Vlt Wtr Lvl Meas 2019-22		4,315.00
Total 7640-00 · Churchill County Projects		8,205.00
Total Expense	197,195.54	1,055,169.28
Net Ordinary Income	-43,761.72	416,110.26
Other Income/Expense		
Other Income		
8009-00 · Trans. In-Floodplain Mgmt. Fd.		
8009-02 · Flood Project Along SR88-Minden		
Total 8009-00 · Trans. In-Floodplain Mgmt. Fd.		
Total Other Income		
Other Expense		
8002-00 · Transfer Out-Acq/Const Fund		145,000.00
Total Other Expense		145,000.00
Net Other Income		-145,000.00
Net Income	-43,761.72	271,110.26

AGENDA ITEM #8

PAYMENT OF BILLS

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02/28/21
Cash Basis

CARSON WATER SUBCONSERVANCY DISTRICT - GENERAL FUND

Transaction Detail by Account

February 2021

Type	Date	Num	Name	Memo	Paid Amount	Balance
1013-00 · Cash in Checking - U. S. Bank						
Check	02/01/2021	10180	Euronev, Ltd.	February 2021 Rent	-3,146.00	-3,146.00
Check	02/07/2021	ACH	U.S. Geological Survey	Qtrly Pymt JFA #19ZJFA00127	-19,601.67	-22,747.67
Check	02/07/2021	ACH	U.S. Geological Survey	Qtrly Pymt JFA #19ZJFA00128	-4,222.67	-26,970.34
Check	02/07/2021	ACH	U.S. Geological Survey	Qtrly Pymt JFA #20ZJFA00128	-3,812.50	-30,782.84
Check	02/07/2021	ACH	U.S. Geological Survey	Qtrly Pymt JFA #18WSNV00134	-692.50	-31,475.34
Check	02/07/2021	10181	Carson City	CWSD Payroll #3	-23,737.53	-55,212.87
Check	02/07/2021	10182	Nevada News Group	Acct#2092	-136.00	-55,348.87
Check	02/07/2021	10183	King & Russo, Ltd.	Professional Services JAN 2021	-2,000.00	-57,348.87
Check	02/07/2021	10184	Douglas County Community Develop...	#CD-ST88-001	-40,000.00	-97,348.87
Check	02/07/2021	10185	Kimley-Horn & Associates, Inc.	Inv.#18192740 Project #291417000.1	-9,008.00	-106,356.87
General Jo...	02/14/2021				40,000.00	-66,356.87
Check	02/14/2021	10186	Douglas County Treasurer	INV# 2021-2-CWSD Semi-Annual Douglas County ...	-62,500.00	-128,856.87
Check	02/14/2021	10187	Lumos & Assoc., Inc.	Inv#107428 Proj#9834	-2,340.90	-131,197.77
Check	02/14/2021	10188	Award Zone	Invoice e#20686	-114.90	-131,312.67
Check	02/14/2021	10189	Konica Minolta Business Solutions U...	Acct#3091	-98.17	-131,410.84
Deposit	02/16/2021			Deposit	637.35	-130,773.49
Deposit	02/16/2021			Deposit	66,032.60	-64,740.89
Check	02/21/2021	10190	HDR Engineering, Inc.	Inv. #1200323905	-43,617.15	-108,358.04
Check	02/21/2021	10191	Carson City	CWSD Payroll #3	-22,172.20	-130,530.24
Deposit	02/26/2021			Deposit	86,586.97	-43,943.27
Total 1013-00 · Cash in Checking - U. S. Bank					-43,943.27	-43,943.27
1014-00 · Local Gov't Inv. Pool-Regular						
Deposit	02/01/2021			Interest	176.90	176.90
Total 1014-00 · Local Gov't Inv. Pool-Regular					176.90	176.90
1030-00 · Petty Cash						
General Jo...	02/28/2021			Ed James - Postage Stamp	0.55	0.55
General Jo...	02/28/2021			Ed James - Copies	4.10	4.65
Total 1030-00 · Petty Cash					4.65	4.65
3307-00 · CC Payroll Due						
General Jo...	02/07/2021			Payroll #3 (1/15/2021-1/28/2021)	-23,737.53	-23,737.53
Check	02/07/2021	10181	Carson City	Payroll #3 (1/15/2021-1/28/2021)	23,737.53	
Check	02/21/2021	10191	Carson City	Payroll #4 (1/29/2021-2/11/2021)	22,172.20	22,172.20
General Jo...	02/21/2021			Payroll #4 (1/29/2021-2/11/2021)	-22,172.20	
Total 3307-00 · CC Payroll Due						
5011-00 · Douglas County Ad Valorem						
Deposit	02/16/2021	714102	Douglas County Treasurer	JAN Ad Valorem Taxes	-66,032.60	-66,032.60
Total 5011-00 · Douglas County Ad Valorem					-66,032.60	-66,032.60
5012-00 · Carson City Ad Valorem						
Deposit	02/26/2021	90308...	Carson City	January Ad Valorem Taxes	-30,632.99	-30,632.99
Total 5012-00 · Carson City Ad Valorem					-30,632.99	-30,632.99
5031-00 · Interest Income-LGIP Reg.						
Deposit	02/01/2021			Interest	-176.90	-176.90
Total 5031-00 · Interest Income-LGIP Reg.					-176.90	-176.90
5083-00 · Al.Co.-Mesa GW Monitoring Grant						
Deposit	02/16/2021	267516	Alpine County	7/1/2020-12/31/2020	-637.35	-637.35
Total 5083-00 · Al.Co.-Mesa GW Monitoring Grant					-637.35	-637.35
6003-00 · FEMA-MAS #9						
Deposit	02/26/2021		FEMA	Draw 24	-1,278.75	-1,278.75
Total 6003-00 · FEMA-MAS #9					-1,278.75	-1,278.75
6005-00 · FEMA - MAS # 10						
Deposit	02/26/2021		FEMA	Draw 15	-54,675.23	-54,675.23
Total 6005-00 · FEMA - MAS # 10					-54,675.23	-54,675.23
7015-00 · Salaries & Wages						
General Jo...	02/07/2021			Salary Payroll #3 Fryer	3,136.39	3,136.39
General Jo...	02/07/2021			Salary Payroll #3 Hunt	2,917.78	6,054.17
General Jo...	02/07/2021			Salary Payroll #3 James	5,643.70	11,697.87
General Jo...	02/07/2021			Salary Payroll #3 Neddenriep	2,310.09	14,007.96
General Jo...	02/07/2021			Salary Payroll #3 Schambra	2,432.70	16,440.66
General Jo...	02/21/2021			Salary Payroll #4 Fryer	2,618.86	19,059.52
General Jo...	02/21/2021			Salary Payroll #4 Hunt	2,876.98	21,936.50
General Jo...	02/21/2021			Salary Payroll #4 James	5,643.70	27,580.20

For internal & discussion purposes only.

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CARSON WATER SUBCONSERVANCY DISTRICT - GENERAL FUND

02/28/21

Transaction Detail by Account

Cash Basis

February 2021

Type	Date	Num	Name	Memo	Paid Amount	Balance
General Jo...	02/21/2021			Salary Payroll #4 Neddenriep	2,112.09	29,692.29
General Jo...	02/21/2021			Salary Payroll #4 Schambra	2,432.71	32,125.00
Total 7015-00 · Salaries & Wages					32,125.00	32,125.00
7020-00 · Employee Benefits						
General Jo...	02/07/2021			Benies Payroll #3 Fryer	501.48	501.48
General Jo...	02/07/2021			Benies Payroll #3 Hunt	1,439.21	1,940.69
General Jo...	02/07/2021			Benies Payroll #3 James	2,298.89	4,239.58
General Jo...	02/07/2021			Benies Payroll #3 Neddenriep	1,111.97	5,351.55
General Jo...	02/07/2021			Benies Payroll #3 Schambra	1,046.04	6,397.59
General Jo...	02/21/2021			Benies Payroll #4 Fryer	415.05	6,812.64
General Jo...	02/21/2021			Benies Payroll #4 Hunt	1,426.69	8,239.33
General Jo...	02/21/2021			Benies Payroll #4 James	2,298.89	10,538.22
General Jo...	02/21/2021			Benies Payroll #4 Neddenriep	1,051.19	11,589.41
General Jo...	02/21/2021			Benies Payroll #4 Schambra	1,046.04	12,635.45
Total 7020-00 · Employee Benefits					12,635.45	12,635.45
7101-00 · Director's Fees						
7101-01 · Director Benefits						
General Jo...	02/07/2021			Director Benies Payroll #3 Giomi	1.16	1.16
General Jo...	02/07/2021			Director Benies Payroll #3 Gray	1.16	2.32
General Jo...	02/07/2021			Director Benies Payroll #3 Jacobs	1.16	3.48
General Jo...	02/07/2021			Director Benies Payroll #3 Nelson	1.16	4.64
General Jo...	02/07/2021			Director Benies Payroll #3 Olsen	1.16	5.80
General Jo...	02/07/2021			Director Benies Payroll #3 Schank		5.80
General Jo...	02/07/2021			Director Benies Payroll #3 Schuette	1.16	6.96
General Jo...	02/07/2021			Director Benies Payroll #3 Stodieck	1.16	8.12
General Jo...	02/07/2021			Director Benies Payroll #3 Workman	1.16	9.28
General Jo...	02/21/2021			Director Benies Payroll #4 Giomi		9.28
General Jo...	02/21/2021			Director Benies Payroll #4 Gray		9.28
General Jo...	02/21/2021			Director Benies Payroll #4 Jacobs		9.28
General Jo...	02/21/2021			Director Benies Payroll #4 Nelson		9.28
General Jo...	02/21/2021			Director Benies Payroll #4 Olsen		9.28
General Jo...	02/21/2021			Director Benies Payroll #4 Schank		9.28
General Jo...	02/21/2021			Director Benies Payroll #4 Schuette		9.28
General Jo...	02/21/2021			Director Benies Payroll #4 Stodieck		9.28
General Jo...	02/21/2021			Director Benies Payroll #4 Workman		9.28
Total 7101-01 · Director Benefits					9.28	9.28
7101-00 · Director's Fees - Other						
General Jo...	02/07/2021			Director Fee Payroll #3 Giomi	80.00	80.00
General Jo...	02/07/2021			Director Fee Payroll #3 Gray	80.00	160.00
General Jo...	02/07/2021			Director Fee Payroll #3 Jacobs	80.00	240.00
General Jo...	02/07/2021			Director Fee Payroll #3 Nelson	80.00	320.00
General Jo...	02/07/2021			Director Fee Payroll #3 Olsen	80.00	400.00
General Jo...	02/07/2021			Director Fee Payroll #3 Schank		400.00
General Jo...	02/07/2021			Director Fee Payroll #3 Schuette	80.00	480.00
General Jo...	02/07/2021			Director Fee Payroll #3 Stodieck	80.00	560.00
General Jo...	02/07/2021			Director Fee Payroll #3 Workman	80.00	640.00
General Jo...	02/21/2021			Director Fee Payroll #4 Giomi		640.00
General Jo...	02/21/2021			Director Fee Payroll #4 Gray		640.00
General Jo...	02/21/2021			Director Fee Payroll #4 Jacobs		640.00
General Jo...	02/21/2021			Director Fee Payroll #4 Nelson		640.00
General Jo...	02/21/2021			Director Fee Payroll #4 Olsen		640.00
General Jo...	02/21/2021			Director Fee Payroll #4 Schank		640.00
General Jo...	02/21/2021			Director Fee Payroll #4 Schuette		640.00
General Jo...	02/21/2021			Director Fee Payroll #4 Stodieck		640.00
General Jo...	02/21/2021			Director Fee Payroll #4 Workman		640.00
Total 7101-00 · Director's Fees - Other					640.00	640.00
Total 7101-00 · Director's Fees					649.28	649.28
7103-00 · Office Supplies						
Check	02/14/2021	10188	Award Zone	Awards & Recognitions (AA/Thaler)	114.90	114.90
Check	02/14/2021	10189	Konica Minolta Business Solutions U...	January Copies	98.17	213.07
General Jo...	02/28/2021			Ed James - Copies	-4.10	208.97
General Jo...	02/28/2021			February Copies	-240.20	-31.23
Total 7103-00 · Office Supplies					-31.23	-31.23
7104-00 · Postage						
General Jo...	02/28/2021			Ed James - Postage Stamp	-0.55	-0.55
Total 7104-00 · Postage					-0.55	-0.55
7105-00 · Rent						

5:56 PM
02/28/21
Cash Basis

CARSON WATER SUBCONSERVANCY DISTRICT - GENERAL FUND

Transaction Detail by Account

February 2021

Type	Date	Num	Name	Memo	Paid Amount	Balance
Check	02/01/2021	10180	Euronev, Ltd.	February 2021 Rent	3,146.00	3,146.00
Total 7105-00 · Rent					3,146.00	3,146.00
7107-00 · Travel-transport/meals/lodging						
7107-01 · Car Allowance						
General Jo...	02/07/2021			Car Allowance Payroll #3 James	250.00	250.00
General Jo...	02/21/2021			Car Allowance Payroll #4 James	250.00	500.00
Total 7107-01 · Car Allowance					500.00	500.00
Total 7107-00 · Travel-transport/meals/lodging					500.00	500.00
7108-00 · Dues & Publications						
Check	02/07/2021	10182	Nevada News Group	Advertising Nevada Appeal RFPs	136.00	136.00
Total 7108-00 · Dues & Publications					136.00	136.00
7116-00 · Legal						
Check	02/07/2021	10183	King & Russo, Ltd.	Professional Services JAN 2021	2,000.00	2,000.00
Total 7116-00 · Legal					2,000.00	2,000.00
7120-00 · Integrated Watershed Programs						
7120-33 · Watershed Coord IV 2019-22						
General Jo...	02/28/2021			February Copies	191.21	191.21
Total 7120-33 · Watershed Coord IV 2019-22					191.21	191.21
Total 7120-00 · Integrated Watershed Programs					191.21	191.21
7437-00 · FEMA MAS #9						
General Jo...	02/28/2021			February Copies	2.38	2.38
Total 7437-00 · FEMA MAS #9					2.38	2.38
7438-00 · BOR WaterSMART Market Program						
7438-01 · Water Mktg Study-LUMOS 2019-21						
Check	02/14/2021	10187	Lumos & Assoc., Inc.	Professional Services 12/26/20-1/22/20	2,340.90	2,340.90
Total 7438-01 · Water Mktg Study-LUMOS 2019-21					2,340.90	2,340.90
Total 7438-00 · BOR WaterSMART Market Program					2,340.90	2,340.90
7439-00 · FEMA MAS #10						
7439-02 · West CC Study (Kimley-Horn)						
Check	02/07/2021	10185	Kimley-Horn & Associates, Inc.	FEMA 10-West CC ADP- Svcs thru Jan. 31, 2021	9,008.00	9,008.00
Total 7439-02 · West CC Study (Kimley-Horn)					9,008.00	9,008.00
7439-05 · Ch Cty Flood Maps (HDR)						
Check	02/21/2021	10190	HDR Engineering, Inc.	Churchill Cty Flood Maps 12-27-2020 to 1-30-2021	43,617.15	43,617.15
Total 7439-05 · Ch Cty Flood Maps (HDR)					43,617.15	43,617.15
7439-00 · FEMA MAS #10 - Other						
General Jo...	02/28/2021			February Copies	9.09	9.09
Total 7439-00 · FEMA MAS #10 - Other					9.09	9.09
Total 7439-00 · FEMA MAS #10					52,634.24	52,634.24
7440-00 · FEMA - MAS #11						
General Jo...	02/28/2021			February Copies	37.52	37.52
Total 7440-00 · FEMA - MAS #11					37.52	37.52
7500-00 · USGS Stream Gage Contract						
7500-03 · USGS Stream Flow Gauges 2019-21						
Check	02/07/2021	ACH	U.S. Geological Survey	Qtrly Pymt JFA #19ZJJFA00127	19,601.67	19,601.67
Total 7500-03 · USGS Stream Flow Gauges 2019-21					19,601.67	19,601.67
Total 7500-00 · USGS Stream Gage Contract					19,601.67	19,601.67
7508-00 · USGS Do.Co.WQ & GW Monitoring						
7508-03 · DoCo WQ/GW Mon. 2019-21						
Check	02/07/2021	ACH	U.S. Geological Survey	Qtrly Pymt JFA #19ZJJFA00128	4,222.67	4,222.67
Total 7508-03 · DoCo WQ/GW Mon. 2019-21					4,222.67	4,222.67
Total 7508-00 · USGS Do.Co.WQ & GW Monitoring					4,222.67	4,222.67

7524-00 · USGS-GW Lvl & WQ in Ch.Co.
7524-02 · USGS-GW Lvl & WQ-ChCo 2018-22
For internal & discussion purposes only.

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CARSON WATER SUBCONSERVANCY DISTRICT - GENERAL FUND

02/28/21

Transaction Detail by Account

Cash Basis

February 2021

Type	Date	Num	Name	Memo	Paid Amount	Balance
Check	02/07/2021	ACH	U.S. Geological Survey	Qtrly Pymt JFA #18WSNV00134	692.50	692.50
Total 7524-02 · USGS-GW Lvl & WQ-ChCo 2018-22					692.50	692.50
Total 7524-00 · USGS-GW Lvl & WQ in Ch.Co.					692.50	692.50
7526-01 · USGS Middle Carson GW 2020-21						
Check	02/07/2021	ACH	U.S. Geological Survey	Qtrly Pymt JFA #20ZJJFA00128	3,812.50	3,812.50
Total 7526-01 · USGS Middle Carson GW 2020-21					3,812.50	3,812.50
7610-00 · Douglas County Projects						
7610-10 · Do.Co.Reg.Pipeline Debt Service						
Check	02/14/2021	10186	Douglas County Treasurer	Semi-Annual Douglas County Pipeline Debt Service	62,500.00	62,500.00
Total 7610-10 · Do.Co.Reg.Pipeline Debt Service					62,500.00	62,500.00
Total 7610-00 · Douglas County Projects					62,500.00	62,500.00
8009-00 · Trans. In-Floodplain Mgmt. Fd.						
8009-02 · Flood Project Along SR88-Minden						
Check	02/07/2021	10184	Douglas County Community Develop...	State Route 88 Flood Mitigation Project	40,000.00	40,000.00
General Jo...	02/14/2021				-40,000.00	
Total 8009-02 · Flood Project Along SR88-Minden						
Total 8009-00 · Trans. In-Floodplain Mgmt. Fd.						
TOTAL						

CWSD Petty Cash Transaction Record
February 2021

Date	G/L No.	Description	Debits	Credits	Balance
		Starting Balance			\$112.15
2/26/21	7103-00	Ed James		\$4.10	\$116.25
	Office Supplies	Copies (82 B/W x.05)			
2/26/21	7104-00	Ed James		\$0.55	\$116.80
	Postage	1 stamp			
		PETTY CASH BALANCE			\$116.80

Date: 2/28/21 Prepared by: C Schambler

Approved by: Edwin D. James

:cat

AGENDA ITEM #9

CARSON WATER SUBCONSERVANCY DISTRICT

TO: BOARD OF DIRECTORS

FROM: EDWIN D. JAMES

DATE: MARCH 17, 2021

SUBJECT: Agenda Item #9 – For Possible Action: Approval of Contract #2021-21
JE FULLER - Ruhenstroth ADMP Phase 2 in an amount not to exceed
\$89,284.

DISCUSSION: Back in January 2021 CWSD sent out a request for proposals for the Ruhenstroth ADMP Phase 2. CWSD received one proposal. CWSD and Douglas County reviewed the proposal and agreed that JE Fuller met the criteria. Attached is the agreement and Business Plan, Schedule, and costs. This project is being funded through a grant from FEMA.

STAFF RECOMMENDATION: Approve the Contract #2021-21 with JE FULLER for Ruhenstroth ADMP Phase 2 study in an amount not to exceed \$89,284.

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Agreement

Carson Water Subconservancy District (hereinafter "CWSD") and JE Fuller/Hydrology & Geomorphology, Inc. (hereinafter "JE FULLER") hereby enter into an agreement whereby JE FULLER will **complete Ruhenstroth Area Drainage Masterplan Phase 2 Project** in accordance with and subject to the following terms and conditions:

1) **ASSIGNMENT**

JE FULLER's assignment shall relate to the following product(s) or service(s):

Ruhenstroth Area Drainage Masterplan Phase 2 Project, which is further identified and described in attached Exhibits A, B & C. The compensation paid to JE FULLER for the Ruhenstroth Area Drainage Masterplan Phase 2 Project shall not exceed **\$89,284.**

2) **INDEMNITIES**

- (a) To the fullest extent permitted by law JE FULLER shall indemnify, hold harmless and defend, not excluding the CWSD's right to participate, the CWSD from and against all liability, claims, actions, damages, losses, and expenses, including, without limitation, reasonable attorneys' fees and costs, arising out of any alleged negligent or willful acts or omissions of JE FULLER, its officers, employees and agents.
- (b) CWSD will indemnify and hold JE FULLER harmless with respect to any claims or actions instituted by third parties which result from the use by JE FULLER of material furnished by CWSD or where material created by JE FULLER is substantially changed by CWSD. Information or data obtained by JE FULLER from CWSD to substantiate claims made in advertising shall be deemed to be "materials furnished by CWSD."
- (c) In the event of any proceeding against CWSD by any regulatory agency or in the event of any court action or self-regulatory action challenging any advertising prepared by JE FULLER, JE FULLER shall assist in the preparation of the defense of such action or proceeding and cooperate with CWSD and CWSD's attorneys. CWSD will reimburse JE FULLER any out-of-pocket costs JE FULLER may incur in connection with any such action or proceeding.
- (d) Neither party waives any right or defense to indemnification that may exist in law or equity.

3) **INSURANCE**

Unless otherwise required in this Agreement, the CWSD and JE FULLER shall, during the performance of the services as provided herein, maintain insurance of the types and amounts specified, and with insurers satisfactory to the other party as follows:

- a) Comprehensive General Liability including \$1,000,000 per occurrence for bodily injury and property damage; \$1,000,000 Products/Completed Operations Aggregate; \$1,000,000 General Aggregate over all interests.
- b) Comprehensive Automobile Liability including coverage for owned, non-owned, and hired vehicles: \$1,000,000 Bodily Injury, \$1,000,000 Property Damage.
- c) JE FULLER shall name CWSD as an additional insured and deliver a certificate to CWSD.

4) **TERM OF AGREEMENT**

- a) The term of this Agreement will commence on the date of the last signature executed hereon and will continue in full force and effect until **10/31/2021**, unless extended by written agreement of the parties.
- b) JE FULLER will submit monthly invoices with a description of activities preformed.
- c) In the event of termination of this Agreement, the rights, duties, and responsibilities of JE FULLER shall continue in full force during the period of notice.
- d) If circumstances arise that require a time extension to complete the project, the CWSD Board grants the General Manager authority to do so in a written notice to JE FULLER.

**DRAFT****5) PERFORMANCE**

Should JE FULLER fail to perform any of the services provided for in Exhibit "A", CWSD shall notify JE FULLER of such non-performance and allow thirty (30) days for JE FULLER to remedy the performance. If the performance has not been satisfied within thirty days, CWSD may withhold payment only for the services not performed in accordance with this Agreement.

6) SUPPLEMENTS TO AGREEMENT

The following Exhibits are an integral part of this Agreement:

- (a) Exhibit A JE FULLER Business Technical Plan
- (b) Exhibit B JE FULLER Project Schedule
- (c) Exhibit C JE FULLER Fee Table

7) INDEPENDENT CONTRACTOR

JE FULLER acknowledges that it is furnishing the services contemplated by this Agreement hereto as an independent contractor, and not as an employee, or agent of CWSD or any of its affiliates.

8) OWNERSHIP

Any reports, histories, studies, tests, manuals, instructions, photographs, negatives, blue prints, plans, maps, data, system designs, computer code (which are intended to be considered under this Agreement), or any other documents or drawings, prepared, or in the course of preparation, by JE FULLER (or its subcontractors) in performance of its obligations under this Agreement shall be the exclusive property of CWSD and all such materials shall be delivered into CWSD's possession by JE FULLER upon completion, termination, or cancellation of this Agreement. JE FULLER shall not use, willingly allow, or cause to have such materials used for any purpose other than performance of JE FULLER's obligations under this Agreement without the prior written consent of CWSD.

9) AGREEMENT TERMINATION

- (a) Termination Without Cause. Any discretionary or vested right of renewal notwithstanding, this Agreement may be terminated upon written notice by mutual consent of both parties or unilaterally by either party without cause.
- (b) Cause Termination for Default or Breach. A default or breach may be declared with or without termination. This Agreement may be terminated by either party upon written notice of default or breach to the other party as follows:
 - (1) If JE FULLER fails to provide or satisfactorily perform any of the conditions, work, deliverables, goods, or services called for by this Agreement within the time requirements specified in this Agreement or within any granted extension of those time requirements; or
 - (2) If any State, county, city, or federal license, authorization, waiver, permit, qualification or certification required by statute, ordinance, law, or regulation to be held by JE FULLER to provide the goods or services required by this Agreement is for any reason denied, revoked, debarred, excluded, terminated, suspended, lapsed, or not renewed; or
 - (3) If JE FULLER becomes insolvent, subject to receivership, or becomes voluntarily or involuntarily subject to the jurisdiction of the bankruptcy court; or
 - (4) If CWSD materially breaches any material duty under this Agreement and any such breach impairs JE FULLER's ability to perform; or
- (c) Time to Correct. Termination upon declared default or breach may be exercised only after service of formal written notice and the subsequent failure of the defaulting party within thirty (30) calendar days of receipt of that notice to provide evidence, satisfactory to the aggrieved party, showing that the declared default or breach has been corrected.
- (d) Winding Up Affairs Upon Termination. In the event of termination of this Agreement for any reason, the parties agree that the provisions of this Section survive termination:

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- (1) The parties shall account for and properly present to each other all claims for fees and expenses and pay those which are undisputed and otherwise not subject to set off under this Agreement. Neither party may withhold performance of winding up provisions solely based on nonpayment of fees or expenses accrued up to the time of termination;
- (2) JE FULLER shall satisfactorily complete work in progress at the agreed rate (or a pro rata basis if necessary) if so requested by the CWSD;
- (3) JE FULLER shall execute any documents and take any actions necessary to effectuate an assignment of this Agreement if so requested by the CWSD; and
- (4) JE FULLER shall preserve, protect, and promptly deliver into CWSD possession all information in accordance with Section 8, Ownership.

10) **RIGHTS UPON TERMINATION**

Upon termination of this Agreement, JE FULLER shall transfer, assign and make available to CWSD or CWSD's representative, all property and materials in their possession or control belonging to and paid for by CWSD, subject, however, to any rights of third parties of which JE FULLER has informed CWSD.

11) **BREACH REMEDIES.**

Failure of either party to perform any obligation of this Agreement shall be deemed a breach. Except as otherwise provided for by law or this Agreement, the rights and remedies of the parties shall not be exclusive and are in addition to any other rights and remedies provided by law or equity, including but not limited to actual damages. If the court awards reasonable attorney's fees to the prevailing party, in an amount to be determined by the Court.

The parties acknowledge or agree that the contract was written and agreed by both parties.

Prior to the initiation of any litigation the parties agree to mediate.

12) **PUBLIC RECORDS**

Pursuant to NRS 239.010, information or documents received from JE FULLER may be open to public inspection and copying. CWSD has a legal obligation to disclose such information unless a particular record is made confidential by law. JE FULLER may label specific parts of an individual document as a "trade secret" or "confidential" in accordance with NRS 333.333, provided that JE FULLER thereby agrees to indemnify and defend CWSD for honoring such a designation. The failure to so label any document that is released by CWSD shall constitute a complete waiver of any and all claims for damages caused by any release of the records.

13) **NOTICES**

Any notice pursuant to this Agreement will be addressed to the following parties:

Attn.: Edwin James
Carson Watershed Subconservancy District
777 E William Street, Suite 110 A
Carson City, NV 89701

Attn.: Mike Kellogg
JE Fuller/Hydrology & Geomorphology, Inc.
8400 S. Kyrene Rd., Ste. 201
Tempe AZ 85284

14) **FORCE MAJEURE**

Neither party shall be held responsible for any delay or failure in performance of any part of this Agreement to the extent such delay or failure is caused by fire, flood, explosion, war, embargo, government requirement, civil or military authority, act of God, pandemic or other similar causes beyond its control and without the fault or negligence of the delayed or non-performing party. The affected party will notify the other party in writing within ten (10) days after the beginning of any such cause that would affect its performance. Notwithstanding, if a party's performance is delayed for a period exceeding thirty (30) days from the date the other party receives notice under this paragraph, the non-affected party will have the right, without any liability to the other party, to terminate this agreement.

**DRAFT****15) HEADINGS**

Headings in this Agreement are for convenience only and are not intended to be used in interpreting or construing the terms, covenants, and conditions of this Agreement.

16) ENTIRE AGREEMENT

This Agreement constitutes the whole agreement between the parties with respect to the subject matter contained herein, and there are no terms other than those contained herein. No modification or amendment of this Agreement shall be valid unless in writing and signed by the parties hereto.

17) SEVERABILITY

Each provision of this Agreement shall be considered separable and if for any reason any provision or provisions herein are determined to be invalid, unenforceable, or illegal under any existing or future law, such invalidity, unenforceability or illegality shall not impair the operation of or affect those portions of this Letter that are valid, enforceable and legal.

18) GOVERNING LAW

This Agreement shall be interpreted in accordance with the laws of the State of Nevada pertaining to contracts made and performed entirely therein. If the above accords with the parties' understanding and agreement, kindly indicate consent hereto by signing in the place provided below.

Accepted and Agreed on behalf of:
Carson Water Subconservancy District

Accepted and Agreed on behalf of:
JE Fuller/Hydrology & Geomorphology, Inc.

Signature *Date*
Edwin D. James
General Manager

Signature *Date*
Mike Kellogg
Vice President

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Exhibit A

JE FULLER Business Technical Plan:

The following is a Business Technical Plan (BTP) for the **Ruhenstroth Area Drainage Master Plan Phase 2** (RADMP). It is the project team's understanding that the overall vision for the project is to identify and quantify the flood hazard risk within the Ruhenstroth community and develop flood risk mitigation alternatives. Residents and stakeholders will be informed of the project and have the opportunity to engage and provide input throughout the project through a public outreach process that is defined in the BTP. The major task headings in this BTP were selected to be in compliance with the FEMA Mapping Information Platform (MIP) format.

Project Goals

- Identify flood hazard mitigation alternatives: ○ For or both the 25-year, and 100-year storms to minimize the impact of flooding to the community in general.
- Develop concept-level designs for the preferred alternatives
- Community outreach

Deliverables

All Deliverables and Submittals for the RADMP will be provided to the Client Team in digital format. Draft submittals for each task will be provided to the Client Team for review and approval and will include supporting digital data.

Study Area

The Ruhenstroth ADMP watershed area is 18 square miles and is located on the western slopes of the Pine Nut Mountains, approximately 16 miles south of Carson City (Figure 1). The study area is located entirely within Douglas County about 6 miles southeast of the Minden-Gardnerville area. The primary focus area of the RADMP is the lower watershed area downstream of the mountains, also shown on Figure 1.

There are many individual watercourses that impact the study area, all of which originate from the Pine Nut Mountain range.

The Ruhenstroth Area Drainage Master Plan Phase 1 study was completed previously and included all prerequisite tasks necessary to complete this Phase 2 study.



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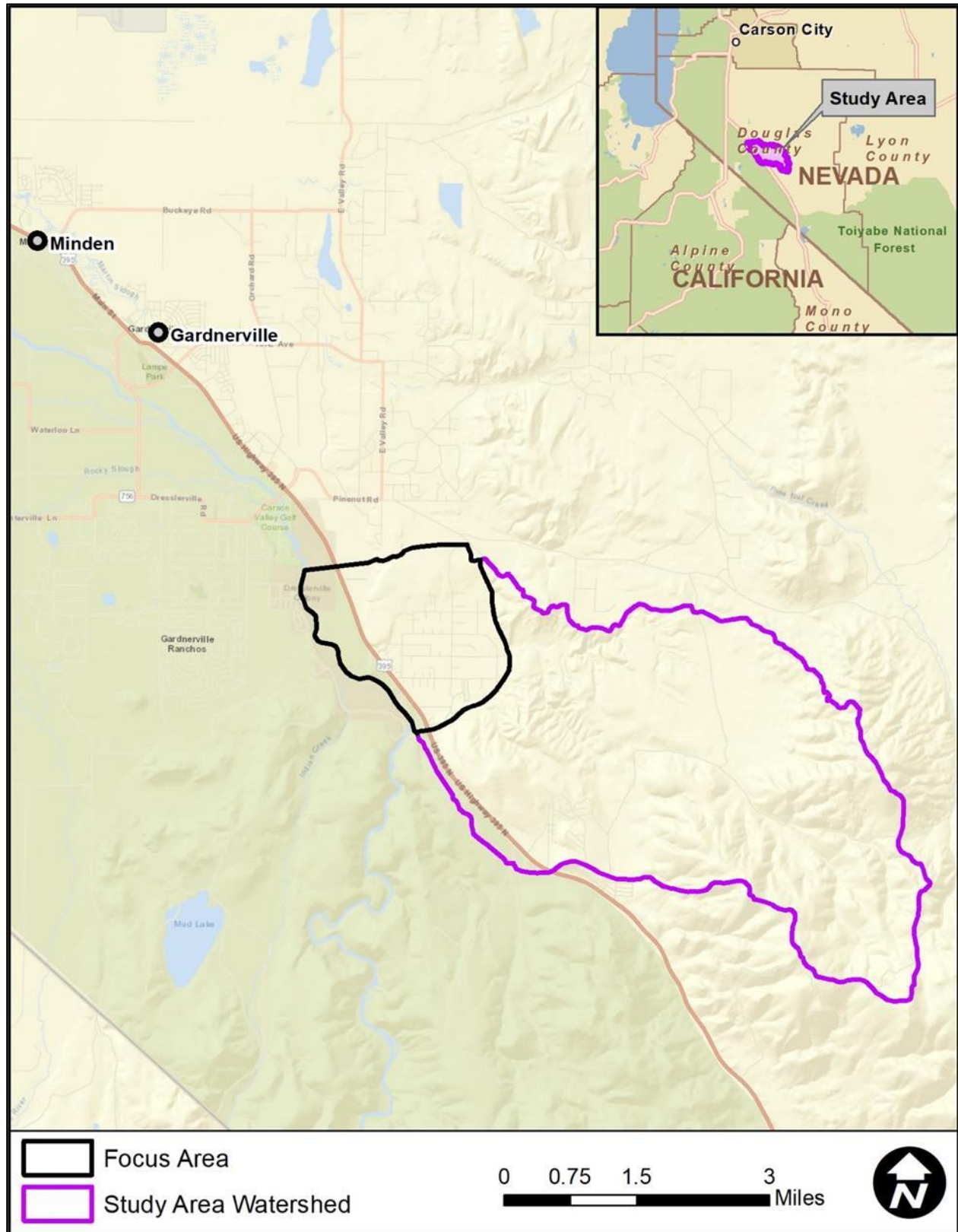


Figure 1. Project study area



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Consultant Team

The Consultant Team is comprised of: JE Fuller/Hydrology & Geomorphology (JEF) who will serve as Prime and Lumos and Associates (LA) as Subconsultant. Each Task outlined in the BTP will identify the primary responsible party.

- Project Manager: Mike Kellogg (JEF) (480) 222-5712
- Project Engineer: Richard Waskowsky (JEF) (480) 222-5702

Client Team

The Client Team is comprised of Lyon County and the Carson Water Subconservancy District. Lead contacts are listed below.

- Carson Water Subconservancy District: Ed James (775) 887-7456
- Douglas County: Courtney Walker (775) 782-6215

PROJECT MANAGEMENT

Project Manager. The JEF Project Manager will be the official point of contact between the Client Team and the Consultant Team for all issues related to the project.

Project Coordination Meetings. The Consultant Team will participate in project coordination meetings with the Client Team via teleconference and Zoom meetings if requested.

Contract Type. The project contract type will be lump-sum.

Invoicing. JEF will invoice the Carson Water Subconservancy District monthly with a percent complete estimate for each task. The invoice will include a brief progress report per task.

Project Schedule. The project will be completed by October 31, 2021. A project schedule is included with this BTP as Exhibit B.

Project Fee. A project fee table is included with the BTP as Exhibit C.

Mapping Information Platform (MIP) Data Preparation and Upload. At the conclusion of the project, JEF will prepare the final digital data deliverable for compliance with FEMA MIP standards and upload the data to the MIP platform.

Task 6.0 FLOOD RISK PRODUCTS DATA CAPTURE

- 6.3 **25-Year Flood Mitigation Alternative.** The Consultant Team will develop a series of alternatives for areas (up to 6) with significant flood and sedimentation risk. This Task will include a priority list of projects to reduce flood risk.
- 6.4 **100-Year Flood Mitigation Alternative.** The Consultant Team will develop a series of alternatives for areas (up to 6) with significant flood and sedimentation risk. This Task will include a priority list of projects to reduce flood risk.



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- 6.5 **Phasing Assessment Alternative.** JEF will assess the results from Tasks 6.3 and 6.4 and develop a recommended phasing plan for the alternatives. Up to three additional 2D models may be created to aid in developing the recommended phasing plan.
- 6.6 **Off-Site 15% Design Plans.** LA will prepare 15% preliminary engineering drawings for alternatives concepts developed under Tasks 6.3 and 6.4.

Per coordination discussions, LA anticipates that for each of these washes we will need to develop 15% schematic grading designs and cost estimates for both the 25-year, 24-hour storm event and the 100-year peak storm (or volume) event to allow Douglas County the ability to decide the level of protection they want to achieve and the cost to reach that level of protection. These improvements would be sited to retain/detain off site flows and sediment to mitigate downstream impacts to the developed areas.

The schematic plans will include:

- The drawings will be prepared on 11"x17" format sheets at a standard engineering scale.
- Plan view grading plans for basins
- Development of preliminary grading quantity estimates
- Plan view layout of piping
- Plan and profile concepts for channels to understand grading impacts

This task includes review meetings with JEF and the Client Team. It is assumed that there will be one round of comments between the Client Team and the Consultant Team.

- 6.7 **Life Cycle Cost Estimates.** LA will prepare life cycle cost estimates for the facilities to account for annual maintenance and future replacement costs of the proposed facilities, based upon the 15% design plans. LA will provide these for all conceptual designs.
- 6.8 **Final Report.** A FINAL technical report will be submitted. The FINAL report will be comprised of all previously submitted and approved DRAFT chapters and digital data.
- 6.9 **Executive Summary.** A separate Executive Summary report will be submitted.

Task 7.0 PUBLIC EVENTS

- 7.1 **Informational Public Meeting.** LA will prepare for and implement a public meeting designed to educate and gather initial input and concerns regarding the RADMP. JEF will lead the public meeting by presenting project information and results. The meeting will be held in Douglas County (if possible) near the conclusion of the study. Online meetings may be necessary if in-person meetings are not feasible. The Consultant Team will work with the Client Team to complete the following:
- Location research, availability, confirmation and set-up
 - Development and review of speaker and content order



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- Development of Boards
- Public input reporting
- Advertising (assuming some assistance by the County)
- Press Release development and distribution (assuming majority of this will be conducted by the County)

7.2 Board Meetings. The Consultant Team will present at two agency board meetings (in-person or online, depending on circumstances) at the end of the study to present the study results to:

- Carson Water Subconservancy District Board (meets monthly every 3rd Wednesday)
- Douglas County Board of Commissioners (meets bimonthly on the 1st and 3rd Thursday)

EXCLUSIONS, LIMITATIONS, AND ASSUMPTIONS

The following are exclusions, limitations, and assumptions associated with this Business Technical Plan:

- Preparation of FEMA submittals are not included
- All data will be available at no cost
- A geotechnical report is not included
- Environmental Permitting is not included
- Storm Water Pollution Prevention Plan is not included
- Final construction plans are not included
- Landscape Plans are not included
- The Client Team will assist in locating documentation regarding existing easements and property information

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Exhibit B

JE FULLER Project Schedule:

Task Name	Duration	Start	Finish	Qtr 1, 2021	Qtr 2, 2021	Qtr 3, 2021	Qtr 4, 2021
▲ TASK 6.0 FLOOD RISK PRODUCTS DATA CAPTURE	153 days	Thu 4/1/21	Sun 10/31/21				
Draft TSDN Submittal	0 days	Fri 9/10/21	Fri 9/10/21				◆ 9/10
Final TSDN Submittal	0 days	Fri 9/24/21	Fri 9/24/21				◆ 9/24
▲ TASK 7.0 PUBLIC EVENTS	15 days	Tue 10/12/21	Sun 10/31/21				
Public Meeting	0 days	Tue 10/12/21	Tue 10/12/21				◆ 10/12
CWSD Board Meeting	0 days	Wed 10/20/21	Wed 10/20/21				◆ 10/20
Douglas County Board Meeting	0 days	Thu 10/21/21	Thu 10/21/21				◆ 10/21



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Exhibit C: JE FULLER Fee Table

RUHENSTROTH AREA DRAINAGE MASTER PLAN		JE FULLER							LUMOS AND ASSOCIATES									Team Total With Expenses
Task	TASK DESCRIPTION	Project Manager	Project Principal	Sr. Project Engineer	Project Engineer	Admin	JEF Labor Total	JEF Direct Expenses	Group Manager	Project Manager	Survey Manager	Project Engineer	Project Designer	2- Person Survey Crew	Project Coordinator	Lumos Labor Total	Lumos Direct Expenses	
		\$134.00	\$167.00	\$152.00	\$130.00	\$94.00			\$215.00	\$175.00	\$175.00	\$145.00	\$120.00	\$215.00	\$115.00			
6.0	FLOOD RISK PRODUCTS DATA CAPTURE	84	12	12	218	4	\$ 43,800.00	\$ -	2	0	0	120	80	0	0	\$ 27,430.00	\$ -	\$ 71,230.00
6.3	25-Year Flood Mitigation Alternative	4	4	4	60		\$ 9,612.00									\$ -		
6.4	100-Year Flood Mitigation Alternative	4	4	4	60		\$ 9,612.00									\$ -		
6.5	Phasing Assessment Alternative	4			12		\$ 2,096.00									\$ -		
6.6	Off-Site 15% Design Plans	10	4	4	20		\$ 5,216.00		1			80	40			\$ 16,615.00		
6.7	Life Cycle Cost Estimates	2			4		\$ 788.00		1			40	40			\$ 10,815.00		
6.8	Final Report	40			60	4	\$ 13,536.00									\$ -		
6.9	Executive Summary	20			2		\$ 2,940.00									\$ -		
7.0	PUBLIC EVENTS	56	0	0	30	0	\$ 11,404.00	\$ 1,400.00	0	4	0	0	0	0	30	\$ 4,150.00	\$ 1,100.00	\$ 18,054.00
7.1	Public Meeting	20			10		\$ 3,980.00			4					30	\$ 4,150.00	\$ 1,100.00	
7.2	Agency Board Meetings (2)	36			20		\$ 7,424.00	\$ 1,400.00								\$ -		
TOTALS		140	12	12	248	4	\$ 55,204.00	\$ 1,400.00	2	4	0	120	80	0	30	\$ 31,580.00	\$ 1,100.00	PROJECT TOTAL \$ 89,284.00

AGENDA ITEM #10

CARSON WATER SUBCONSERVANCY DISTRICT

TO: BOARD OF DIRECTORS

FROM: EDWIN D. JAMES

DATE: MARCH 17, 2021

SUBJECT: Agenda Item #10 – For Possible Action: Approval for Debbie Neddenriep to Attend the Association of State Floodplain Managers Virtual Conference May 10-14

DISCUSSION: The 2021 Annual Association of State Floodplain Manager Virtual Conference will be held May 10-14. Debbie Neddenriep would like approval to attend. Registration is \$375 and will be reimbursed through MAS #11 grant with FEMA. Attached are their Conference Request Forms.

STAFF RECOMMENDATION: Approve attendance to 2021 Virtual FMA Conference for Debbie Neddenriep.

CONFERENCE REQUEST

NAME: Debbie Neddenriep

DATE REQUESTED: 3-17-21

MODE OF TRAVEL: N/A

DESTINATION: N/A

PURPOSE: Attend the Virtual ASFMA 2021 Annual Conference

**MEETING
DATES:** May 2021

**ESTIMATED
COSTS:** \$ 375

APPROVED BY:

Chairman

Date

AGENDA ITEM #11

CARSON WATER SUBCONSERVANCY DISTRICT

TO: BOARD OF DIRECTORS

FROM: EDWIN D. JAMES

DATE: March 17, 2021

SUBJECT: Agenda Item #11 – For Possible Action: Approval of Contract #2021-23
CARDNO - Clear Creek Floodplain Restudy and Remap in an amount
not to exceed \$161,360.

DISCUSSION: Attached is a contract with Cardno to conduct a Restudy and Remap of the Clear Creek Floodplain. This project is being funded by a grant that CWSD received from FEMA's Cooperating Technical Partner (CTP) program. The Business Technical Plan, Schedule, and costs are shown in attached Exhibits A, B, and C.

STAFF RECOMMENDATION: Authorize the General Manager to sign the attached agreement.

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Agreement

Carson Water Subconservancy District (hereinafter "CWSD") and **Cardno** (hereinafter "CARDNO") hereby enter into an agreement whereby **CARDNO** will conduct **Clear Creek Restudy and Remap Project** in accordance with and subject to the following terms and conditions:

1) **ASSIGNMENT**

CARDNO's assignment shall relate to the following product(s) or service(s):

Clear Creek Restudy and Remap Project, which is further identified and described in attached Exhibits A, B & C. The compensation paid to CARDNO for the **Clear Creek Restudy and Remap Project** shall not exceed \$161,360.

2) **INDEMNITIES**

- (a) To the fullest extent permitted by law CARDNO shall indemnify, hold harmless and defend, not excluding the CWSD's right to participate, the CWSD from and against all liability, claims, actions, damages, losses, and expenses, including, without limitation, reasonable attorneys' fees and costs, arising out of any alleged negligent or willful acts or omissions of CARDNO, its officers, employees and agents.
- (b) CWSD will indemnify and hold CARDNO harmless with respect to any claims or actions instituted by third parties which result from the use by CARDNO of material furnished by CWSD or where material created by CARDNO is substantially changed by CWSD. Information or data obtained by CARDNO from CWSD to substantiate claims made in advertising shall be deemed to be "materials furnished by CWSD."
- (c) In the event of any proceeding against CWSD by any regulatory agency or in the event of any court action or self-regulatory action challenging any advertising prepared by CARDNO, CARDNO shall assist in the preparation of the defense of such action or proceeding and cooperate with CWSD and CWSD's attorneys. CWSD will reimburse CARDNO any out-of-pocket costs CARDNO may incur in connection with any such action or proceeding.
- (d) Neither party waives any right or defense to indemnification that may exist in law or equity.

3) **INSURANCE**

Unless otherwise required in this Agreement, the CWSD and CARDNO shall, during the performance of the services as provided herein, maintain insurance of the types and amounts specified, and with insurers satisfactory to the other party as follows:

- (a) Comprehensive General Liability including \$1,000,000 per occurrence for bodily injury and property damage; \$1,000,000 Products/Completed Operations Aggregate; \$1,000,000 General Aggregate over all interests.
- (b) Comprehensive Automobile Liability including coverage for owned, non-owned, and hired vehicles: \$1,000,000 Bodily Injury, \$1,000,000 Property Damage.
- (c) CARDNO shall name CWSD as an additional insured and deliver a certificate to CWSD.

4) **TERM OF AGREEMENT**

- (a) The term of this Agreement will commence on the date of the last signature executed hereon and will continue in full force and effect until 7/22/2022, unless extended by written agreement of the parties.
- (b) CARDNO will submit monthly invoices with a description of activities preformed.
- (c) In the event of termination of this Agreement, the rights, duties, and responsibilities of CARDNO shall continue in full force during the period of notice.
- (d) If circumstances arise that require a time extension to complete the project, the CWSD Board



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grants the General Manager authority to do so in a written notice to CARDNO.

5) **PERFORMANCE**

Should CARDNO fail to perform any of the services provided for in Exhibit "A", CWSD shall notify CARDNO of such non-performance and allow thirty (30) days for CARDNO to remedy the performance. If the performance has not been satisfied within thirty days, CWSD may withhold payment only for the services not performed in accordance with this Agreement.

6) **SUPPLEMENTS TO AGREEMENT**

The following Exhibits are an integral part of this Agreement:

- (a) Exhibit A CARDNO Business Technical Plan
- (b) Exhibit B CARDNO Budget
- (c) Exhibit C CARDNO Proposed Schedule

7) **INDEPENDENT CONTRACTOR**

CARDNO acknowledges that it is furnishing the services contemplated by this Agreement hereto as an independent contractor, and not as an employee, or agent of CWSD or any of its affiliates.

8) **OWNERSHIP**

Any reports, histories, studies, tests, manuals, instructions, photographs, negatives, blue prints, plans, maps, data, system designs, computer code (which are intended to be considered under this Agreement), or any other documents or drawings, prepared, or in the course of preparation, by CARDNO (or its subcontractors) in performance of its obligations under this Agreement shall be the exclusive property of CWSD and all such materials shall be delivered into CWSD's possession by CARDNO upon completion, termination, or cancellation of this Agreement. CARDNO shall not use, willingly allow, or cause to have such materials used for any purpose other than performance of CARDNO's obligations under this Agreement without the prior written consent of CWSD.

9) **AGREEMENT TERMINATION**

- (a) Termination Without Cause. Any discretionary or vested right of renewal notwithstanding, this Agreement may be terminated upon written notice by mutual consent of both parties or unilaterally by either party without cause.
- (b) Cause Termination for Default or Breach. A default or breach may be declared with or without termination. This Agreement may be terminated by either party upon written notice of default or breach to the other party as follows:
 - 1) If CARDNO fails to provide or satisfactorily perform any of the conditions, work, deliverables, goods, or services called for by this Agreement within the time requirements specified in this Agreement or within any granted extension of those time requirements; or
 - 2) If any State, county, city, or federal license, authorization, waiver, permit, qualification or certification required by statute, ordinance, law, or regulation to be held by CARDNO to provide the goods or services required by this Agreement is for any reason denied, revoked, debarred, excluded, terminated, suspended, lapsed, or not renewed; or
 - 3) If CARDNO becomes insolvent, subject to receivership, or becomes voluntarily or involuntarily subject to the jurisdiction of the bankruptcy court; or
 - 4) If CWSD materially breaches any material duty under this Agreement and any such breach impairs CARDNO's ability to perform; or
- (c) Time to Correct. Termination upon declared default or breach may be exercised only after service of formal written notice and the subsequent failure of the defaulting party within thirty (30) calendar days of receipt of that notice to provide evidence, satisfactory to the aggrieved party, showing that the declared default or breach has been corrected.

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(d) Winding Up Affairs Upon Termination. In the event of termination of this Agreement for any reason, the parties agree that the provisions of this Section survive termination:

- 1) The parties shall account for and properly present to each other all claims for fees and expenses and pay those which are undisputed and otherwise not subject to set off under this Agreement. Neither party may withhold performance of winding up provisions solely based on nonpayment of fees or expenses accrued up to the time of termination;
- 2) CARDNO shall satisfactorily complete work in progress at the agreed rate (or a pro rata basis if necessary) if so requested by the CWSD;
- 3) CARDNO shall execute any documents and take any actions necessary to effectuate an assignment of this Agreement if so requested by the CWSD; and
- 4) CARDNO shall preserve, protect, and promptly deliver into CWSD possession all information in accordance with Section 8, Ownership.

10) **RIGHTS UPON TERMINATION**

Upon termination of this Agreement, CARDNO shall transfer, assign and make available to CWSD or CWSD's representative, all property and materials in their possession or control belonging to and paid for by CWSD, subject, however, to any rights of third parties of which CARDNO has informed CWSD.

11) **BREACH REMEDIES.**

Failure of either party to perform any obligation of this Agreement shall be deemed a breach. Except as otherwise provided for by law or this Agreement, the rights and remedies of the parties shall not be exclusive and are in addition to any other rights and remedies provided by law or equity, including but not limited to actual damages. If the court awards reasonable attorney's fees to the prevailing party, in an amount to be determined by the Court.

The parties acknowledge or agree that the contract was written and agreed by both parties.

Prior to the initiation of any litigation the parties agree to mediate.

12) **PUBLIC RECORDS**

Pursuant to NRS 239.010, information or documents received from CARDNO may be open to public inspection and copying. CWSD has a legal obligation to disclose such information unless a particular record is made confidential by law. CARDNO may label specific parts of an individual document as a "trade secret" or "confidential" in accordance with NRS 333.333, provided that CARDNO thereby agrees to indemnify and defend CWSD for honoring such a designation. The failure to so label any document that is released by CWSD shall constitute a complete waiver of any and all claims for damages caused by any release of the records.

13) **NOTICES**

Any notice pursuant to this Agreement will be addressed to the following parties:

Attn.: Edwin James
Carson Watershed Subconservancy District
777 E William Street, Suite 110 A
Carson City, NV 89701

Attn.: Coleen Shade
Cardno
2890 Gateway Oaks Drive Suite 200
Sacramento, California 95833

14) **FORCE MAJEURE**

Neither party shall be held responsible for any delay or failure in performance of any part of this Agreement to the extent such delay or failure is caused by fire, flood, explosion, war, embargo, government requirement, civil or military authority, act of God, pandemic or other similar causes beyond its control and without the fault or negligence of the delayed or non-performing party. The affected party will notify the other party in writing within ten (10) days after the beginning of any such



Contractor Agreement #2021-23 Cardno

Business/Technical Plan, Budget, and Schedule

This document summarizes the Business/Technical Plan that Cardno will provide for the Restudy and Remap Clear Creek Project (Project). The Project consist of restudy and remapping flood hazards in Clear Creek and a portion of Prison Hill watersheds (see Figure 1). This drainage area consists of approximately 14,821 acres and is in the southern portion of Carson City and northern Douglas County. Restudy and remapping will be performed for Clear Creek and Prison Hill watershed areas within Carson City and Douglas County.

Coleen Shade, a natural resources and land use planner with over 30 years of diverse project management experience, will be managing the project and leading coordination with CWSD, Carson City, Douglas County, and FEMA. Mark Gookin, PE, CFM, who has over 30 years of FEMA floodplain experience in the region will be the senior advisor. Andrea Jacobsma, PE, CFM, who managed the adjacent Voltaire and Saliman Restudy and Remap, will be the technical lead on the Project. The following key staff will support Project efforts:

- Brandon Wong, CFM –hydraulic modeling and floodplain mapping; MIP specialist
- Claire Archer, PhD – hydrologic and hydraulic modeling and floodplain mapping
- Ali Sharif, PhD, PE– hydrologic and hydraulic modeling, floodplain mapping

Our Business/Technical Plan is presented below (Exhibit A). Our budget is attached as Exhibit B and our schedule is attached as Exhibit C.

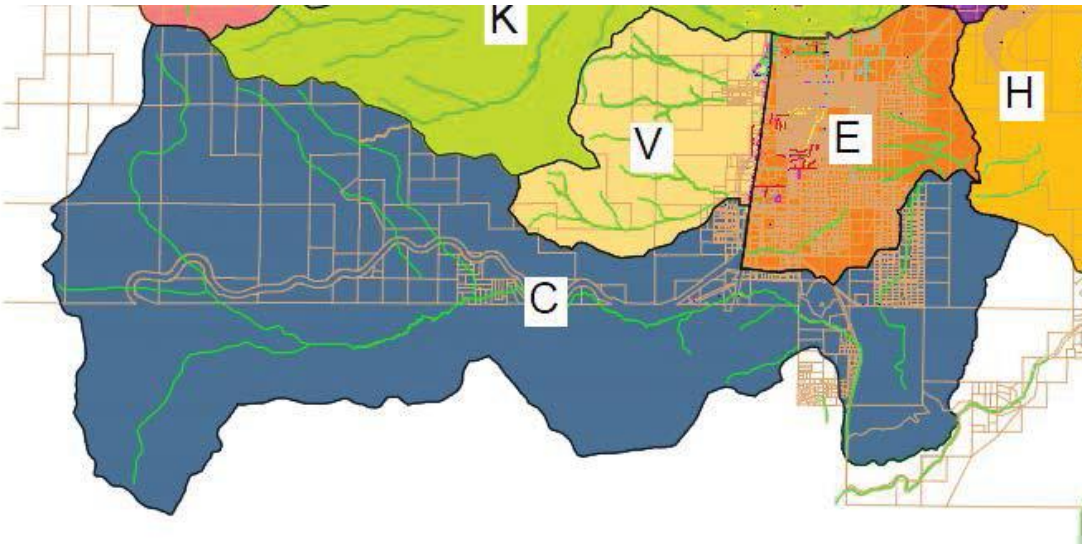


Figure 1. Clear Creek & a portion of Prison Hill (in blue)

EXHIBIT A – Business/Technical Plan

The services requested include the following tasks:

- Survey Data Capture
- Develop topographic data
- Develop hydrologic data
- Develop hydraulic data
- Perform floodplain mapping

Project management will be incorporated into each task as described below.

Project Management

Effective communication is fundamental to good project management. First and foremost is the regular communication between the CWSD and its partners, Carson City and Douglas County, and the Cardno team. As previously mentioned, Coleen Shade will be the project manager and primary point of contact. As project manager, Coleen will maintain responsibility for client service, contract terms, commitment of staff resources, and scheduling. She will be supported by Mark Gookin, PE, CFM, our principal-in-charge, who will provide strategic oversight and technical guidance to the team, as well as quality control for the overall contract. Andrea Jacobsma, PE, CFM, the projects technical lead, will be responsible for the gathering of pertinent data and the production and delivery of all technical data leading up to and including the new floodplain mapping. In addition to assisting Andrea, deputy project manager Brandon Wong will assist with deliverable tracking and status, communications and final report production.

- Progress reports
 - The project coordinator will provide monthly invoices and progress reports to CWSD by the 15th of every month in contract.
- Virtual meetings
 - Kickoff Meeting (1)
 - After receiving a notice to proceed, the project manager, deputy project manager, and technical lead will participate in a virtual kickoff meeting with CWSD, Carson City, and Douglas County representatives.
 - Progress Update Meeting (1)
 - Prior to performing floodplain mapping, the project manager, deputy project manager, and technical lead will participate in a virtual meeting with CWSD, Carson City, and Douglas County representatives to review hydrologic and hydraulic model results.
 - CWSD Board Meeting (1)
 - After the LOMR is approved by FEMA, the project manager and deputy project manager will present a project summary to the CWSD board.

Deliverables:

- Monthly invoices and progress reports in digital format
- Agendas and meeting summaries for kickoff meeting and progress update meeting in digital format
- PowerPoint presentation for progress update meeting showing hydrologic and hydraulic model results.
- PowerPoint presentation for CWSD board meeting showing project summary.

Survey Data Capture

Cardno will use existing LiDAR data collected by the USGS in 2017 for all Project topography. Cardno will request as-built plans of hydraulic structures within the study area from the Nevada Department of Transportation, Carson City, and Douglas County for incorporation into the hydraulic model. Cardno will generate a GIS database of existing hydraulic structures within the study area and determine where survey is required. Cardno will develop a subconsultant contract with Manhard Consulting to complete the required survey in the study area.

Assumptions:

- The extents of additional field survey necessary is unknown at this time. Cardno has allocated \$7,500 for additional field survey in our budget. Should the necessary survey efforts exceed this amount, then an augmentation to our budget will be necessary.
- Hydraulic structures are assumed to exist where roads or trails cross the Clear Creek and Prison Hill drainage corridors or as otherwise visible within the study area floodplain using open-source satellite aerial imagery.

Deliverables:

- KMZ file of requested survey locations (if applicable)

Cardno will upload the following digital data to the MIP in accordance with current Data Capture Standards

- Task Documentation
 - Project Narrative – Word
 - Certification of Completeness – .PDF
 - Survey Metadata – .XML
- Correspondence
 - Letters; transmittals; memoranda; general status reports and queries; SPRs; technical issues; direction by FEMA; and internal communications, routing slips, and notes –Word/.PDF
- Photos
 - Digital Photographs – .JPEG/.TIFF/.BMP
- Sketches
 - Digital Sketches – .JPEG/.TIFF/.BMP/.PDF

- Survey_Data
 - Survey Files – .MDB/.PGDB/.fGDB/.XLS/.XLSX/.DBF/.ASCII/.CSV
- Supplemental_Data
 - Any additional Survey data collected for use in the preparation of this Flood Risk Project (e.g., survey notebooks, etc.) – Format as received
- As-Built
 - As-Built Data – Format as received
- Validation
 - Any review documents and/or checklists used during the validation of Survey Data Capture submittals – Word/.XLS/.XLSX/.PDF

Develop Topographic Data

Cardno will use existing LiDAR data collected by the USGS in 2017 for all Project topography.

Assumptions:

- Additional topographic survey will not be required and is not included in this Business/Technical Plan.
- Mapping Information Platform (MIP) access will be granted to Cardno MIP specialists prior to their uploading digital data to the MIP (all tasks).
- MIP deliverables will not be uploaded until the LOMR request is approved by FEMA (all tasks).
- Topographic Data Capture deliverables may need to be submitted on media if they exceed MIP upload capacity.
- The Data Capture Technical Reference (FEMA 2019) states that if existing elevation data are used, Mapping Partners only need to submit the bare earth data used for the Flood Risk Project and documentation for the data; therefore, deliverables have been modified to reflect this requirement.

Deliverables:

Cardno will upload the following digital data to the MIP in accordance with current Data Capture Standards.

- Correspondence
 - Documentation of LiDAR data
- Source
 - Bare_Earth_DEM
 - DEMs – Esri grid/GeoTIFF/ASCII grid
 - DEM Tile Index – .SHP/.PGDB/.fGDB

Develop Hydrologic Data

The methodology to be used to develop hydrologic data has been agreed upon by Carson City and is as follows. For Clear Creek, gage data from USGS Gage 10310500 will be used for a stream gage analysis in accordance with USGS Bulletin 17C to determine hydrology upstream of the gage. Downstream of USGS Gage 10310500, hydrology will be determined by weighting results from the regional regression equation based on the difference in drainage area between the gaging station and the ungaged segment of Clear Creek (downstream of the gage to the confluence with the Carson River). For Prison Hill, an XPSWMM hydrologic model will be developed to determine hydrology within the Prison Hill watershed. Cardno will develop Flood discharge rates for the 10%, 4%, 2%, 1%, “1% plus” and 0.2% annual chance events.

Assumptions:

- Spatial files not included in deliverables because development of a FIRM Database is not required for this Project.
- Independent QA/QC is not included in deliverables because FEMA is the responsible mapping partner for this effort.

Deliverables

Cardno will upload the following digital data to the MIP in accordance with current Data Capture Standards

- Task Documentation
 - Hydrology Report – Word and .PDF
 - Draft FIS Section 5.1 – Word and .PDF
 - Project Narrative – Word
 - Certification of Completeness – .PDF
 - Hydrology Metadata – .XML
- Correspondence
 - Letters; transmittals; memoranda; general status reports and queries; SPRs; technical issues; direction by FEMA; and internal communications, routing slips, and notes – Word/.PDF
- Watershed_Name
 - Simulations
 - Model input and output files – Native format
 - Readme file explaining contents of each named file – .TXT
 - Supplemental_Data
 - Database file(s) and/or spatial files such as data and analyses for stream and rainfall gages and computations for regional regression equations such as output from USGS PeakFQ, NFF or NSS computer programs – Native format

- Any additional Hydrology data collected for use in the preparation of this Flood Risk Project – Format as received
- Validation
 - Any review documents and/or checklists used during the validation of Hydrology Data Capture submittals – Word/.XLS/.XLSX/.PDF

Develop Hydraulic Data

Cardno will consult with FEMA regarding model methodology (1D and/or 2D) and will select the methodology for floodway analysis and mapping based on direction from FEMA. Cardno will develop a HEC-RAS model and perform a floodway analysis for Clear Creek and the Prison Hill drainage.

Assumptions:

- No revisions to the floodway will be made upstream of Bigelow Drive.
- Spatial files not included in deliverables because development of a FIRM Database is not required for this Project.
- Independent QA/QC is not included in deliverables because FEMA is the responsible mapping partner for this effort.

Deliverables:

Cardno will upload the following digital data to the MIP in accordance with current Data Capture Standards.

- Task Documentation
 - Hydraulics Report – Word and .PDF
 - Draft FIS Section 5.2 – Word and .PDF
 - Project Narrative – Word
 - Certification of Completeness – .PDF
 - Hydraulics Metadata – .XML
- Correspondence
 - Letters; transmittals; memoranda; general status reports and queries; SPRs; technical issues; direction by FEMA; and internal communications, routing slips, and notes – Word/.PDF
- Stream_Name (Station)
 - Simulations
 - Model input and output files for the 10%, 4%, 2%, 1%, “1% plus” and 0.2% annual chance events – Native format
 - Readme file explaining contents of each named file – .TXT
- Profiles
 - Profiles MDB/.DXF/.DWG

- FWDT
 - Floodway Data Tables – .MDB/.XLS/.XLSX/.DBF
 - Flood Hazard Data Tables – .MDB/.XLS/.XLSX/.DBF
- Supplemental_Data
 - Any additional Hydraulics data collected for use in the preparation of this Flood Risk Project – Format as received
- Validation
 - - Any review documents and/or checklists used during the validation of Hydraulics Data Capture submittals – Word/.XLS/.XLSX/.PDF

Perform Floodplain Mapping

Cardno will delineate the 1% and 0.2% annual chance preliminary draft floodplain boundaries for the study area and regulatory floodway boundaries downstream of Bigelow Drive. Cardno will generate a KMZ of the preliminary draft floodplain mapping (extents and zones) showing no change, increase, and decrease from current mapping as well as a digital work map of the regulatory floodway boundaries and conduct a virtual review meeting with Carson City to review the preliminary draft floodplain and floodway boundaries. After the meeting, Cardno will revise the preliminary draft regulatory floodplain and floodway boundaries as necessary per Carson City's comments and generate a KMZ file and digital work map with the draft regulatory floodway boundaries for which Cardno will receive approval from Carson City prior to submitting the LOMR request to FEMA. Cardno will submit an MT-2 Application for Letters of Map Revision to FEMA.

Assumptions:

- The existing floodway configuration will be maintained and no revisions to the floodway will be made upstream of Bigelow Drive.
- Spatial files are not included in deliverables because development of a FIRM Database is not required for this Project.
- Independent QA/QC is not included in deliverables because FEMA is the responsible mapping partner for this effort.
- Application fee (if applicable) is not included in the budget (Exhibit C)
- Cardno will revise the application based on comments from FEMA and re-submit the MT-2 Application for Letters of Map Revision to FEMA and will repeat this process until all comments have been addressed. Currently the schedule allows for one re-submittal of the MT-2 Application. If additional re-submittals are required, the schedule would need to be extended.

Deliverables:

- Digital work maps of floodplain boundaries and regulatory floodway (preliminary draft and draft)

Business/Technical Plan, Budget, and Schedule

- KMZ files of revised floodplain mapping showing no change, increase, and decrease from current mapping for review with Carson City (preliminary draft and draft)
- Virtual floodplain review meeting with Carson City

Cardno will upload the following digital data to the MIP in accordance with current Data Capture Standards.

- Task Documentation
 - Draft FIS Report – Word and .PDF
 - FIS Tables – .MDB/.XLS/.XLSX/.DBF
 - FIS text overflow for Principal Flood Problems and Special Considerations (if necessary) – .TXT
 - Project Narrative – Word
 - Certification of Completeness – .PDF
 - Floodplain/Redelineation Metadata – .XML
- Correspondence
 - Letters; transmittals; memoranda; general status reports and queries; SPRs; technical issues; direction by FEMA; and internal communications, routing slips, and notes – Word/.PDF
- Validation
 - Any review documents and/or checklists used during the validation of Floodplain Mapping Data Capture submittals – Word/.XLS/.XLSX/.PDF


Cardno will submit an MT-2 Application for Letters of Map Revision to FEMA including the following:

- Narrative on project and submittal
- Hydrologic computations along with digital files of computer models used
- Hydraulic computations along with digital files of computer models used
- Certified topographic work map with floodplain and regulatory floodway boundary delineations
- Annotated FIRM
- As-built plans or survey for all hydraulic structures within the revised floodplain
- Floodway Notice
- Property Owner Notification
- Form 1 – Overview & Concurrence Form
- Form 2 – Riverine Hydrology and Hydraulics Form
- Form 3 – Riverine Structures Form

Business/Technical Plan, Budget, and Schedule

EXHIBIT B – Budget

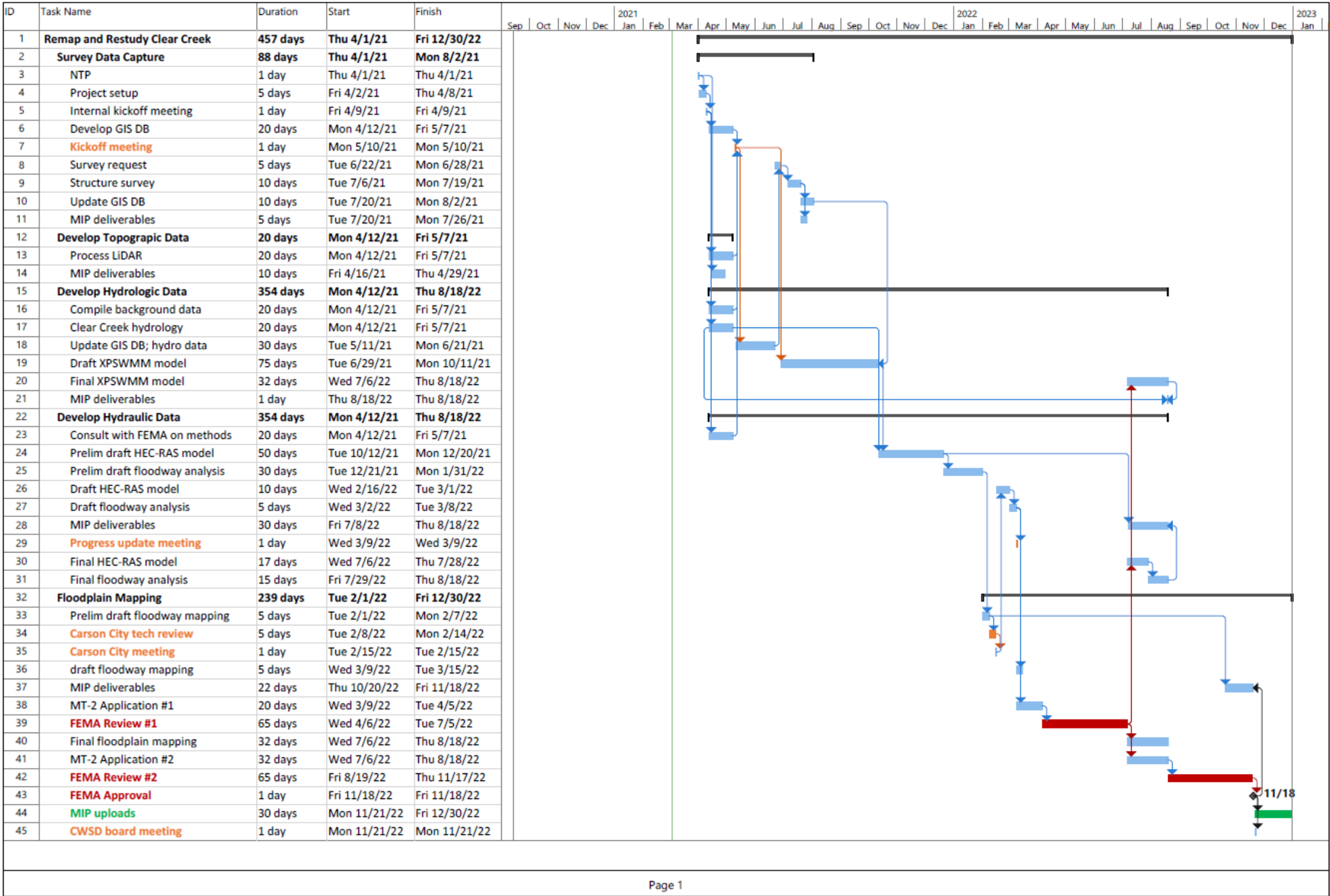
Cardno's estimated budget is \$161,840 and is estimated budgets for each task are presented below. Cardno anticipates that some tasks may take more effort than anticipated while other tasks may take less and that CWSD manage the project against the overall budget. Should external factors result in the need for efforts which would exceed the overall budget, Cardno will notify CWSD as soon as such situation becomes apparent so that both Cardno and CWSD can come to an agreement on the best approach to moving forward.

 Remap and Restudy Clear Creek	Cardno Staff											Total Cardno Labor	Subconsultants/Affiliates (at cost)	TOTAL SUBCONSULTANTS & AFFILIATES (w/markup)	TOTALS
	Shade, Coleen L. Sr. Consultant 1	Jacobsma, Andrea L. Sr. Project Scientist 2	Wong, Brandon Project Engineer 1 (Discounted)	Archer, Carey C. Sr. Staff Engineer 1	Trujillo, Ivan Project Engineer 1	Sharif, Ali Project Engineer 1	Li, Vahina Staff Engineer	Brock, Meghan S. Assistant Staff Engineer (Disc)	Browning, Lori A. Sr. Project Coordinator	Eschen, Iris Production Specialist	Senior Consultant Sr. Consultant 2		Manhard Surveyor		
Hourly Billing Rate, Markup, or Unit Cost:	\$ 190	\$ 175	\$ 120	\$ 120	\$ 135	\$ 135	\$ 105	\$ 75	\$ 110	\$ 130	\$ 220		0%		
Phase 1 - Survey Data Capture															
TOTAL - Phase 1	18	22	6	2	16	2	18	14	4	0	0	\$ 14,040	\$ 7,500	\$ 7,500	\$ 21,540
Phase 2 - Topographic Data Capture															
TOTAL - Phase 2	4	6	2	0	8	0	0	6	2	0	0	\$ 3,800	\$ -	\$ -	\$ 3,800
Phase 3 - Develop Hydrologic Data															
TOTAL - Phase 3	12	46	4	60	0	172	40	20	4	4	0	\$ 47,890	\$ -	\$ -	\$ 47,890
Phase 4 - Develop Hydraulic Data															
TOTAL - Phase 4	14	78	114	0	0	154	0	8	4	4	8	\$ 54,100	\$ -	\$ -	\$ 54,100
Phase 5 - Perform Floodplain Mapping															
TOTAL - Phase 5	12	70	74	0	0	0	56	52	4	0	4	\$ 34,510	\$ -	\$ -	\$ 34,510
Total Hours or Amounts	60	222	200	62	24	328	114	100	18	8	12	1,148.0	\$ 7,500	\$ 7,500	
Communication Fee															
TOTAL PROJECT COST												\$ 154,340		\$ 7,500	\$ 161,840



Business/Technical Plan, Budget, and Schedule

EXHIBIT C – Schedule



AGENDA ITEM #12

CARSON WATER SUBCONSERVANCY DISTRICT

TO: BOARD OF DIRECTORS

FROM: EDWIN D. JAMES

DATE: March 17, 2021

SUBJECT: Agenda Item #12 – For Possible Action: Approval of the
2021 Water and Sewer Rate Report

DISCUSSION: Attached is a draft of the 2021 *Water & Sewer Rate Report for the Carson River Watershed*. This is an annual advisory report that CWSD has prepared for several years. It is used by several water purveyors and consultants throughout the watershed. Upon approval by the CWSD Board, the report will be posted on the CWSD website and a link to the report will be sent to all water purveyors in the watershed.

The report lists the residential and commercial water rates and includes base rates, usage rates, and connection and stormwater fees charged by each purveyor in the Carson River Watershed.

STAFF RECOMMENDATION: Approve the 2021 Water & Sewer Report as submitted.

2021 Water and Sewer Rates in the Carson River Watershed

March 17, 2021

Advisory Report prepared by:
Deborah L. Neddenriep, CFM
Carson Water Subconservancy District



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Introduction:

The central purpose of Carson Water Subconservancy District's (CWSD) advisory report "Water and Sewer Rates in the Carson River Watershed" is to collect and publish the water and sewer rate data of the 13 major water purveyors in our watershed. This report is made available to each water purveyor and to the general public via our website www.cwsd.org.

We appreciate the time and effort water purveyor staff members in providing and checking the data in this report:

Table 1.1 Major Water Purveyors in the Carson River Watershed

Carson City Public Works	Lyon County Utilities
Churchill County Public Works	Town of Minden
Douglas County Public Works	Minden Gardnerville Sanitation District
City of Fallon	Silver Springs Mutual Water Company
Gardnerville Ranchos General Improvement District	Stagecoach General Improvement
District Gardnerville Water Company	Storey County Public Works
Indian Hills General Improvement District	

This report includes a water data sheet followed by a sewer data sheet for each water purveyor. On the water rate data sheet, general information about each water entity includes:

- ✓ service area population
- ✓ annual demand
- ✓ total service connections separated into customer classes
- ✓ percentage of metered and unmetered connections
- ✓ Number of re-use connections
- ✓ bill frequency
- ✓ unidentified system losses
- ✓ if entity has a conservation plan and reason for doing so
- ✓ date the current water rate became effective

Water rates include base rate and volume charge for water for both residential and commercial users (Appendix A). In addition, connection fees and storm water fees are also listed if applicable. Highlights of changes in water rates follow in the next section, Summary of Water Rate Changes.

Sewer rates are included for each water purveyor in Appendix B. Minden Gardnerville Sanitation District (MGSD) provides sewer service to Gardnerville Ranchos General Improvement District, Gardnerville Water Company, and Town of Minden. MGSD bills Gardnerville and Minden residents directly. However, Gardnerville Ranchos General Improvement District, through an agreement with MGSD, collects sewer fees. The Stagecoach General Improvement District service area only has septic systems; therefore, sewer rates are not applicable. Lyon County provides sewer service in two areas of the county: Dayton, Moundhouse area and within Silver Springs Mutual Water Company's service area.

For information purposes, Truckee Meadow Water Authority's (TMWA) water rates, are included in this report. TMWA also has different rate schedules for former service areas of STMGID and Washoe County. TMWA's latest rate schedule can be accessed via their website, <https://tmwa.com/>, or from hyperlinks listed on the bottom of TMWA's rate sheet page in Appendix A.

Summary of Water Rate Changes:

Several entities increased their water rates over the past year. Of these, several water purveyor's boards have approved water rate increases for multiple years. Churchill County, Indian Hills GID, Stagecoach GID, and Storey County continue to increase water rates annually. Carson City's rates will increase annually on 7/1 from 2021–2024. In addition, an acreage component was added to the stormwater fee. Douglas County had planned an increase in 2020, but it was put on hold, essentially due to COVID. Lyon County rates will increase annually on 7/1 from 2021-2024. Table 2.1 summarizes water rate changes as of 1/1/2020.

Table 2.1 Summary of Water Rate Changes in 2020

Water Rate Changes as of 1/1/2021	
Water Purveyor	Approved Annual Increase Date
Carson City Public Works	Annual Increase approved; effective 7/1/2021 - 7/1/2024
Churchill County Public Works	2.5% Annual Increase Effective 1/1; Tier rate over 20k/gal increased to \$3.40 per kgallons.
Lyon County Utilities	Increased 1/1/20 and will also increase annually on 7/1 2020 - 7/1/ 2024.
Stagecoach General Improvement District	Effective July 1, 2019, 2020, 2021 and 2022 a base-rate increase of \$1 to monthly Residential and Commercial Water Service
Storey County	Increased 1/1/20 and will also increase annually on 7/1 2020 - 7/1/ 2023.

Table 2.2 Summary of Unchanged Water Rates in 2020

Unchanged Water Rates as of 1/1/2021	
Water Purveyor	Approved Annual Increase Date
Douglas County	Rate increase planned in 2020 did not occur due to COVID.
City of Fallon	No response
Gardnerville Ranchos General Improvement District	No Change
Gardnerville Water Company	No Change
Indian Hills General Improvement District	No Change
Town of Minden	No Change

Summary of Sewer Rate Changes:

The sewer rate increases over the past year are listed below. Several water purveyors have sewer rate increases that have been approved for multiple years by their respective boards. Douglas County put increases on hold in 2020 due to COVID.

Table 3.1 Summary of Sewer Rate Changes in 2020

Sewer Rate Changes as of 1/1/2021	
Water Purveyor	Approved Annual Increase Date
Carson City Public Works	Approved 3.5% annual increase, effective 7/1/2020-7/1/2024.
Churchill County Public Works	2.5% Annual Increase Effective 1/1
Douglas County Public Works	7/1/2019
Indian Hills General Improvement District	7/1/2019
Lyon County Utilities	Increased 1/1/20 and will also increase annually on 7/1 2020 - 7/1/ 2024.

Table 3.2 Summary of Unchanged Sewer Rates in 2020

Unchanged Sewer Rates as of 1/1/2021	
Water Purveyor	Approved Annual Increase Date
Carson City Public Works	Approved 3.5% annual increase, effective 7/1/2020-7/1/2024.
City of Fallon	No response
Gardnerville Ranchos General Improvement District	Provided by MGSD
Gardnerville Water Company	Provided by MGSD
Town of Minden	Provided by MGSD
Minden Gardnerville Sanitation District	Conducting Rate Study
Lyon County - Silver Springs	No Change
Storey County	No Change
Stagecoach GID	N/A -Septic Only

Carson City

Water Rates as of January 1, 2021

Base Rate

Meter Size	Monthly Base Rate:
≤ 5/8"	\$ 28.21
1"	\$ 42.93
1 1/2"	\$ 64.09
2"	\$ 79.73
3"	\$ 116.53
4"	\$ 153.34
6"	\$ 226.94
10"	\$ 564.28
Single Family Residential	
Usage Chg per k/gal*	
0 - 5 @ \$1.81	
≥ 6 ≤ 30 @\$3.16	
> 30 @\$5.06	
Multifamily Residential	
\$ 2.05 per k/gal	
Base Rate \$9.99 Per Unit	
Commercial \$ 3.64 per k/gal	Industrial / Manufacturing \$ 3.82 per k/gal
Large Commercial \$ 3.82 per k/gal	

Carson City

Connection Fees: Residential and Commercial			
Meter Size		Meter & Service Installation (city installed)	
	≤ 5/8"		≤ 5/8"
	1"		1"
	1 1/2"		1 1/2"
	2"		2"
	3"		3"
	4"		4"
	6"		6"
Multifamily per unit			
	\$3,440.00		\$1,522.50
	\$8,600.00		\$1,785.00
	\$6,219.00		\$2,835.00
	\$6,219.00		\$3,675.00
	\$6,219.00		\$5,880.00
	\$6,219.00		\$9,754.45
	\$6,219.00		\$14,280.00
	\$1,032.00		

1 1/2" and larger meter charge is based on maximum day GPM

Stormwater Rates:		Grouped Impervious Area Property Rates (commercial/industrial)	
Classification:	Monthly Rate	Classification:	Monthly Rate
Single Family Property:			
Single Story < 1600 ft ² ;			
Multi Story < 2400 ft ²	\$5.69	Small < 0.25 acre	\$30.00
Single Family Property:			
Single Story 1600 ≤ 2400 ft ² ;			
Multi Story 2400 ≤ 3600 ft ²	\$7.96	Medium > 0.25 ≤ 0.99 ac	\$45.00
Single Family Property:			
Single Story > 2400 ft ² ;			
Multi Story > 3600 ft ²	\$8.79	Large ≥ 1 ≤ 4.99 acres	\$60.00
		Very Large ≥ 5 acres	\$60.00

Carson City

Questions:

Do you anticipate a rate increase in 2021? Approved 3% annual increase, effective 7/1/2020-7/1/2024.
Are rates posted on your website: Yes

<https://www.carson.org/government/departments-g-z/public-works/utility-billing-water-sewer>

General information on your service area :

Population of Service Area: 55,414
Annual Demand (AF): 9,384
Service Connections: 17,594

Residential: 15,722
Mutli-Family: Not split out
Commercial: 1,747
Irrigation: not split out
Other: 125

Metered Connections: 100%
Unmetered Connections: 0
Re-Use Connections: 5
Bill Frequency: monthly
Unidentified
System Losses: <7%
Conservation Plan: Yes

Water
Conservation
conserves
precious
Reason for
Water Conservation: resources.

Churchill County

Water Rates As Of January 1, 2021

Base Rate

Meter Size	Monthly Base Rate:
≤ 5/8"	\$ 53.80
1"	\$ 53.80
1 1/2"	\$ 80.50
2"	\$ 125.50
3"	\$ 261.60
4"	\$ 380.60
6"	\$ 761.00
10"	n/a
Single Family Residential	
Usage Chg per k/gal*	
0 - 6@ \$2.10	
≥ 6 ≤ 20 @\$2.60	
> 20 @\$3.40	
Multifamily Residential	
Usage Chg per k/gal*	
Meter charge priced based on meter size + \$39.60	
0 - 6@ \$2.10	
≥ 6 ≤ 20 @\$2.60	
> 20 @\$3.40	
All Commercial/ Industrial / Manufacturing	
Usage Chg per k/gal*	
\$ 80.50 base rate	
0 - 6@ \$2.10	
≥ 6 ≤ 20 @\$2.60	
> 20 @\$3.40	

Churchill County

Connection Fees:

Residential:	≤ 3/4"	\$7,200
	1"	\$7,200
Commercial:	≤ 3/4"	\$7,000
	1"	\$7,600
	1 1/2"	\$9,200
	2"	\$11,000
Commercial Connection Fees calculated by Water Equivalent Residential Customer (WERC) value: 1 WERC = 550 gpd; fee per WERC = \$454.00		

Stormwater Rates:	N/A
Classification:	Monthly Rate
Single Family Property	\$0.00
Multi Family Property	\$0.00
Public Property	\$0.00
Manufacturing Property	\$0.00
Commercial Property	\$0.00

Questions:

Do you anticipate a rate increase in 2021? Yes, 2.5% annually

Are rates posted on your website: Yes/No Yes

<http://nv-churchillcounty.civicplus.com/index.aspx?NID=105>

General information on your service area :

Population of Service Area:	1,133
Annual Demand (AF):	173
Service Connections:	371
Residential:	357
Mutli-Family:	3
Commercial:	11
Irrigation:	0
Other:	0
Metered Connections:	371
Unmetered Connections:	0
Re-Use Connections:	0
Bill Frequency:	monthly
Unidentified	
System Losses:	8.20%
Conservation Plan:	Yes, 2019
Reason for	
Water Conservation:	Long-term sustainability

Douglas County - Carson Valley

Water Rates As Of January 2021

Residential Base Rate (7/1/2020-6/30/2021)

Meter Size	Monthly Base Rate:
≤ 5/8"	\$ 32.86
3/4"	\$ 32.86
1"	\$ 67.93
1 1/2"	\$ 125.53
2"	\$ 196.61

includes first 4k gallons

Commercial Base Rate

Meter Size	Monthly Base Rate:
≤ 5/8"	\$ 33.69
3/4"	\$ 33.69
1"	\$ 71.75
1 1/2"	\$ 134.48
2"	\$ 211.45
3"	\$ 431.01
4"	\$ 661.12
6"	\$ 1,296.57
8"	\$ 2,058.01

includes first 4k gallons

Irrigation Base Rate

Meter Size	Monthly Base Rate:
≤ 5/8"	\$ 18.02
3/4"	\$ 18.02
1"	\$ 32.60
1 1/2"	\$ 56.16
2"	\$ 86.12
3"	\$ 180.38
4"	\$ 269.50

includes first 4k gallons

Single Family Residential

Usage Chg per k/gal*

5≥12@\$2.86

>13-21@ \$3.98

>21@\$6.25

Multifamily Residential

Usage Chg per k/gal*

N/A

Commercial

Usage Chg per k/gal

All @ \$3.58

Irrigation

Usage Chg per k/gal

All at \$3.85

Large Commercial

Usage Chg per k/gal

N/A

Douglas County - Carson Valley

Connection Fees:

Meter Size

≤ 5/8"	\$	5,024.00
3/4"	\$	5,024.00
1"	\$	12,560.00
1 1/2"	\$	25,120.00
2"	\$	40,192.00
3"	\$	80,384.00
4"	\$	125,600.00
6"	\$	251,200.00
8"	\$	401,920.00
10"	\$	1,055,040.00

In addition to connection charge, connection within Eagle Ridge subdivision will be charged a water supply development fee of \$450 for each connection.

In addition to connection charge, connection within Clear Creek Development will be charged a water supply development fee of \$2500 for each connection.

Stormwater Rates:

Classification:	Monthly Rate
Single Family Property	\$0.00
Multi Family Property	\$0.00
Public Property	\$0.00
Manufacturing Property	\$0.00
Commercial Property	\$0.00

Douglas County - Carson Valley

Questions:

Do you anticipate a rate increase in 2021?

2020 -2024 increase (Resolution 2019R-032)
was put off due to COVID; will consider later
in 2021

Are rates posted on your website:

https://www.douglascountynv.gov/government/departments/public_works/w

General information on your service area :

Population of Service Area:	6,258	Based on 2.5 per residential connction
Annual Demand (AF):	2,172	
Service Connections:	3,008	
Residential:	2,570	
Mutli-Family:	N/A	
Commercial:	289	
Irrigation:	138	
Other:	11	
Metered Connections:	3008	
Unmetered Connections:	0	
Re-Use Connections:	1	
Bill Frequency:	Monthly	
Unidentified		
System Losses:		

<https://www.douglascountynv.gov/governme>

Conservation Plan:

Yes [nt/departments/public_works/water_utility](https://www.douglascountynv.gov/government/departments/public_works/water_utility)

Reason for

Water Conservation:

City of Fallon

Water Rates as of January 2021

Base Rate

Meter Size	Monthly Base Rate:	Water Treatment Service Charge
3/4"	\$ 15.00	\$ 22.48
1"	\$ 33.18	\$ 37.55
1 1/2"	\$ 66.37	\$ 74.89
2"	\$ 107.02	\$ 119.87
3"	\$ 221.53	\$ 224.88
4"	\$ 321.05	\$ 374.88
6"	\$ 642.10	\$ 749.76

Single Family Residential

Usage Chg. per 100 cubic ft.

\$ 1.07

Multifamily Residential

Usage Chg. per 100 cubic ft.

\$ 1.07

Commercial

Usage Chg. per 100 cubic ft.

\$ 1.07

Industrial / Manufacturing

Usage Chg. per 100 cubic ft.

\$ 1.07

Large Commercial

Usage Chg. per 100 cubic ft.

\$ 1.07

City of Fallon

Connection Fees:

Residential:		Meter & Service Installation	
	Meter Only		
3/4"	\$298.00	\$ 4,000.00	\$1,500
1"	\$400.00	\$ 8,000.00	\$2,500
1 1/2"	\$662.00	\$ 16,000.00	\$5,000
2"	\$986.00	\$ 25,600.00	\$8,000
3"	\$2,500.00	\$ 64,000.00	\$15,000
4"	\$3,829.00	\$ 160,000.00	\$25,000
6"	\$0.00	\$ 320,000.00	\$50,000

Residential Connection Fees = 1 **Water Equivalent Residential Customer (WERC)** value: 1 WERC = 550 gpd; fee

Commercial:

Commercial Connection Fees calculated by **Water Equivalent Residential Customer (WERC)** value: 1 WERC =

Stormwater Rates:	N/A
Classification:	Monthly Rate
Single Family Property	\$0.00
Multi Family Property	\$0.00
Public Property	\$0.00
Manufacturing Property	\$0.00
Commercial Property	\$0.00

Questions:

Data From City last provided in 2016

Do you anticipate rate change in 2021?

No

Are rates posted on your website:

No

General information on your service area : Last answered in 2017

Population of Service Area: 8,606

Annual Demand (AF): 2,334

Service Connections: 3,215

Residential: 2,888

Mutli-Family: 0

Commercial: 327

Irrigation: 0

Other: 0

Metered Connections: 3,178

Unmetered Connections: N/A

Re-Use Connections: N/A

Bill Frequency: monthly

Unidentified

System Losses: N/A

Conservation Plan: Yes

Reason for

Water Conservation: N/A

Gardnerville Ranchos General Improvement District

Water Rates as of January 2021

Residential/Commercial Rates:

	Monthly Base Rate:
	\$ 21.50
	Outside GRGID
	Monthly Base Rate:
	\$ 33.00
Residential/Commercial Rates:	
Usage Chg per k/gal*	
<10 In Base	
> 10 \$.90	

Connection Fees:

Service Size:		Connection Fee A*:	Connection Fee B:	
3/4"		\$4,950	3/4" \$	1,855
1"		\$8,250	1" \$	2,790
1.5"		\$16,500	1.5" \$	7,050
2"		\$26,400	2" \$	13,350
2.5"		\$29,600	2.5" \$	21,550
3"		\$52,800	3" \$	32,375
4"		\$82,500	4" \$	60,000

* Fee applies to any lot or parcel legally created within District through Douglas County's land Division Process after March 6, 2013. Rate also applies to Out -of-District connections.

Stormwater Rates: N/A

Classification:	Monthly Rate
Single Family Property	\$0.00
Multi Family Property	\$0.00
Public Property	\$0.00
Manufacturing Property	\$0.00
Commercial Property	\$0.00

Gardnerville Ranchos General Improvement District

Questions:

Do you anticipate rate change in 2021? No

Are rates posted on your website: Yes

<https://www.grgid.com/wp-content/uploads/2018/01/Water%20Rates.pdf>

General information on your service area :

Population of Service Area: 11,500

Annual Demand (AF): 3,100

Service Connections:

Residential: 3,610

Mutli-Family: 313

Commercial: N/A 51

Irrigation: 13

Other: Schools 3

Hydrant Meters 2

Metered Connections: 3,992

Unmetered Connections: 0

Re-Use Connections: 0

Gardnerville Water Company

Water Rates as of January 2021

Residential, Commercial & Irrigation:

Meter Size:	Bi-Monthly Base Rate:
3/4"	\$ 34.00
1"	\$ 56.00
1 1/2"	\$ 114.00
2"	\$ 148.00
3"	\$ 376.00
4"	\$ 569.00
6"	\$ 649.00
8"	\$ 717.00
Residential Rate: Usage Chg k/gal ≤8 in base >8@\$1.37	
Commercial Rate: Usage Chg k/gal ≤20@\$1.37 >20@\$1.96	
Irrigation Rate: Usage Chg k/gal ≤ 300,000 @\$1.47 > 300,000 @\$1.96	

Gardnerville Water Company

Connection Fees:

Residential & Commercial Impact Fees		Water Rights Fee (per ERU)	Total Impact Fee with Water Rights	Fire Impact Fees
3/4" \$	15,341	\$ 8,960	\$ 24,301	\$ 1,000
1" \$	20,485	\$ 10,140	\$ 30,625	\$ 2,500
1 1/2" \$	33,842	\$ 13,260	\$ 47,102	\$ 5,000
2" \$	48,529	\$ 21,840	\$ 70,369	\$ 8,000
3" \$	64,871	See Note 6	See Note 6	\$ 25,000
4" \$	86,364	See Note 6	See Note 6	\$ 50,000
6" \$	119,512	See Note 6	See Note 6	\$ 80,000
8" \$	160,507	See Note 6	See Note 6	\$ 115,222
Stormwater Rates:		Fire Hydrant \$1,000		
Classification:	Monthly Rate			
Single Family Property	\$0.00			
Multi Family Property	N/A			
Public Property	\$0.00			
Manufacturing Property	\$0.00			
Commercial Property	\$0.00			

Questions:

Do you anticipate rate change in 2021? No

Are rates posted on your website: Yes

http://www.gardnervillewater.org/index.php?option=com_content&view=article&id=21&Itemid=120

General information on your service area :

Population of Service Area:

Annual Demand (AF): 1404

Service Connections: 2481

Residential: 1936

Mutli-Family: 84

Commercial: 370

Irrigation: 91

Other: 0

Metered Connections: 2481

Unmetered Connections: 0

Re-Use Connections: 0

Bill Frequency: Bi-Monthly

Unidentified

System Losses: 5%

Conservation Plan: Yes, currently being updated

Reason for

Water Conservation: State requirement

Indian Hills General Improvement District

Water Rates as of January 2021

Indian Hills Residential and Commercial Water Rates

Meter Size	Monthly Base Rate:
3/4"	\$ 36.22
1"	\$ 56.60
1.5"	\$ 118.28
2"	\$ 173.87
3"	\$ 290.36
4"	\$ 586.53
6"	\$ 856.34
8"	\$ 1,292.75
Usage Chg per k/gal* < 10 @\$1.95 ≥ 10 @ \$2.30	

Connection Fees:

3/4"	\$ 5,130.00
1"	\$ 8,550.00
1 1/2"	\$ 17,103.33
2"	\$ 27,360.00
3"	\$ 54,741.33
4"	\$ 85,500.00
6"	\$ 171,100.00
8"	\$ 273,600.00

Stormwater Rates:

Classification:	Monthly Rate
Single Family Property	\$1.00
Multi Family Property	\$1.00
Public Property	\$1.00
Manufacturing Property	\$1.00
Commercial Property	\$1.00

ALL STORM WATER MANAGEMENT FEES HAVE BEEN INCREASED TO \$1.00 PER MONTH

Indian Hills General Improvement District

Questions:

Do you anticipate rate change in 2021? NO

Are rates posted on your website: Yes

http://indianhillsnevada.com/Water_Department.shtml

General information on your service area :

Population of Service Area: 5,627

Annual Demand (AF): 825

Service Connections: 1,989

Residential: 1,908

Mutli-Family: 0

Commercial: 81

Irrigation: 0

Other: 0

Metered Connections: all

Unmetered Connections:

Re-Use Connections:

Bill Frequency: monthly

Unidentified

System Losses:

Conservation Plan:

Reason for

Water Conservation:

Lyon County - Dayton and Moundhouse

Water Rates as of January 2021

Dayton Valley & Moundhouse Residential

Meter Size	Monthly Base Rate:
3/4"	\$ 26.67

Dayton Valley & Moundhouse Commercial

Meter Size	Monthly Base Rate:
3/4"	\$ 26.67
1"	\$ 36.15
1 1/2"	\$ 51.88
2"	\$ 70.76
3"	\$ 121.09
4"	\$ 177.72
6"	\$ 202.83
8"	\$ 256.20
Low Income	\$ 17.88

Single Family Residential/ Commercial

Usage Chg per k/gal*

≤5 in base

>5@\$3.28

Connection Fees:

Dayton and Mound House		
3/4"	\$	4,303
1"	\$	8,606
1 1/2"	\$	17,212
2"	\$	27,538
3"	\$	55,076
4"	\$	86,056
6"	\$	172,112
8"	\$	275,380

Stormwater Rates:

Classification:	Monthly Rate
Source Water Fee	\$1.00

Lyon County - Dayton and Moundhouse

Questions:

Do you anticipate rate change in 2021? Increased 1/1/20 and will also increase annually on 7/1 2020 - 7/1/ 2024.
Are rates posted on your website: Yes
[https://legistarweb-production.s3.amazonaws.com/uploads/attachment/pdf/472323/Resolution - Rates.pdf](https://legistarweb-production.s3.amazonaws.com/uploads/attachment/pdf/472323/Resolution_-_Rates.pdf)

Population of Service Area:	16,100
Annual Demand (AF):	2,884
total Service Connections:	7,188
Residential:	5,947
Mutli-Family:	598
Commercial:	643
Irrigation: Incl in Commercial	
Other:	
Metered Connections:	100%
Unmetered Connections:	0
Re-Use Connections:	0
Bill Frequency:	Monthly
Unidentified	
System Losses:	0.06
Conservation Plan:	YES
Reason for	
Water Conservation:	System Ops

Town of Minden

Water Rates as of January 2021

Town of Minden Residential and Commercial Water Rates

Residential Flat Rate:	In Service Area Fees		Residential Only
	Monthly	Quarterly	
Single Family	\$ 30.38	\$ 91.15	
Patio Home	\$ 26.87	\$ 80.60	
Office Residential	\$ 30.38	\$ 91.15	
	Out of Area Service Fees		
	Monthly	Quarterly	
	\$ 40.75	\$ 122.20	

Commercial :

Commercial - Out of Area Service fees

Metered:	Base Rate	Metered:	Base Rate
3/4"	\$ 24.05	3/4"	\$ 32.25
1"	\$ 27.30	1"	\$ 36.60
1 1/2"	\$ 37.60	1 1/2"	\$ 50.40
2"	\$ 61.40	2"	\$ 82.30
3"	\$ 122.75	3"	\$ 164.50
4" or larger	\$ 151.45	4" or larger	\$ 203.60
Unmetered:	\$ 21.32	per month per equivalent dwelling unit	
Commercial Usage Chg k/gal ≤50k @\$1.5 >50-100k @\$1.65 >100k @ \$1.85		Commercial - Out of Area Service fees Usage Chg k/gal ≤50k @\$2.05 >50-100k @\$2.25 >100k @ \$2.50	

Town of Minden

Connection Fees:

Residential	brings	town provides
	water right	water right
single family 3/4"	\$5,535	\$12,760
single family 1"	\$8,705	\$15,930
multi-family unit 3/4"	\$5,535	\$10,955
multi-family unit 1"	\$8,705	\$14,125
Residential >1" pays non-residential rate		

Non-Residential	Fixed Cost	Variable
3/4"	\$5,535	quote required
1"	\$8,705	
1 1/2"	\$16,950	
2"	\$27,720	
3"	\$58,310	
4"	Quote Required	
>4"	Quote Required	

Variable
cost of water right
\$6,450 acre-feet (af) per year

Stormwater Rates:

N/A

Classification:	Monthly Rate
Single Family Property	\$0.00
Multi Family Property	\$0.00
Public Property	\$0.00
Manufacturing Property	\$0.00
Commercial Property	\$0.00

Town of Minden

Questions:

Do you anticipate rate change No
in 2021?

If known, please attach 2020 rate information.

Are rates posted on your website: Yes <http://townofminden.com/DocumentCenter/View/120/Water-And-Trash-Service-Fees-2017-PDF?bidId=>

General information on your service area :

Population of Service Area: 3,185 Estimated

Annual Demand (AF): 1,657

Service Connections: 2,009

Residential: 1,717

Mutli-Family: 2,021

Commercial: 254

Irrigation:

Other: 33

Metered Connections: 1,999

Unmetered Connections: 10

Re-Use Connections:

Bill Frequency: quarterly-residential; monthly-commercial

Unidentified

System Losses: Unknown

Conservation Plan: Yes/2016*

Reason for

Water Conservation: Meets State requirement

Silver Springs Mutual Water Company

Water Rates as of January 2021

Residential Base Rate:	Zone 1	Zone 2
	Monthly Base Rate:	Monthly Base Rate:
3/4"	\$ 50.00	\$ 54.00
1"	\$ 83.50	\$ 90.18
1 1/2"	\$ 166.50	\$ 179.82
2"	\$ 266.50	\$ 287.82
3"	\$ 533.50	\$ 576.18
4"	\$ 833.60	\$ 900.18
6"	\$ 1,666.50	\$ 1,799.82

*Water Service Deposit - 4 times base rate; held for 12 months of on-time payments & returned in 13 months.

Commercial/Industrial* Base Rate:

	Zone 1	Zone 2
	Monthly Base Rate:	Monthly Base Rate:
3/4"	\$ 54.00	\$ 58.00
1"	\$ 90.18	\$ 96.86
1 1/2"	\$ 179.82	\$ 193.14
2"	\$ 287.82	\$ 309.14
3"	\$ 576.18	\$ 618.86
4"	\$ 900.18	\$ 966.86
6"	\$ 1,799.82	\$ 1,933.14

*Water Service Deposit - 4 times base rate; held for 12 months of on-time payments & returned in 13 months.

Single Family Residential
Usage Chg per k/gal*
< 15 in base
≥15@\$2.00
Commercial
Usage Chg
k/gal
< 15 in base
≥15@ \$2.00

Connection Fees:

3/4"	\$4,400	+actual cost
1"	\$7,348	+actual cost
1 1/2"	\$14,652	+actual cost
2"	\$23,452	+actual cost
3"	\$46,948	+actual cost
4"	\$80,652	+actual cost
6"	\$184,800	+actual cost
4" Fire	\$5,000	System Service Line
6" Fire	\$7,500	System Service Line
8" Fire	\$10,000	System Service Line
10" Fire	\$12,500	System Service Line

Silver Springs Mutual Water Company

Questions:

Do you anticipate rate change in 2021? No
Are rates posted on your website: Yes

http://www.silverspringsmwc.com/Forms_Documents.html

General information on your service area :

Population of Service Area: 2961

Annual Demand (AF): 589

Service Connections: 1095

Residential: 973

Mutli-Family:

Commercial: 119

Irrigation:

Other: 3

Metered Connections: 100%

Unmetered Connections: 0

Re-Use Connections:

Bill Frequency: monthly

Unidentified System Losses: Unknown

Conservation Plan: Yes

Reason for Water Conservation: We live in a desert climate. Water is a resource which must be managed properly to provide a sufficient quantity of water to its members and to protect the quality of water for the residents of the Silver Springs Community.

Stagecoach General Improvement District

Stormwater Rates:

Classification:	Monthly Base Rate:
Single Family Property	N/A
Multi Family Property	\$0.00
Public Property	\$0.00
Manufacturing Property	\$0.00
Commercial Property	\$0.00

Questions:

Do you anticipate rate change in 2021? Yes Effective July 1, 2019, 2020, 2021 and 2022 a base-rate increase of \$1 to monthly Residential and Commercial Water Service

Are rates posted on your website: Yes, In the ordinance

<http://www.stagecoachgid.com>

General information on your service area :

Population of Service Area: 1,578

Annual Demand (AF): 270

Service Connections: 600

Residential: 596

Mutli-Family: 2

Commercial: 2

Irrigation: 0

Other: 0

Metered Connections: 100%

Unmetered Connections: 0

Re-Use Connections: 0

Bill Frequency: Monthly

Unidentified

System Losses: 8%

Conservation Plan: Yes, 2014

Reason for Water Conservation: To protect our natural resource

Storey County

Water Rates as of July 1, 2021

Residential Base Rate

Meter Size	Monthly Base Rate:	Capitalization Fee:	Total Base Rate:
≤ 5/8"	\$ 34.05	\$ 11.24	\$ 45.29
Single Family Residential Usage Chg per k/gal* 0 - 2 in base ≥ 2 @ \$3.02			

Commercial Base Rate

Meter Size	Monthly Base Rate:	Capitalization Fee:	Total Base Rate:
≤ 5/8"	\$ 53.58	\$ 11.24	\$ 64.82
Commercial Usage Chg per k/gal* 0 - 2 in base ≥ 2 @ \$3.94			
Connection Fees: Residential: \$ 2,500.00 Connection Fees: Commercial: \$ 4,100.00			

Storey County

Stormwater Rates: N/A

Classification:	Monthly Rate
Single Family Property	36.97 min. for 2k
Multi Family Property	\$0.00
Public Property	N/A
Manufacturing Property	\$0.00
Commercial Property	55.92 min for 2k

Questions:

Do you anticipate a rate increase in 2021?

Yes, will increase annually on 7/1 from 2020 to 2023.

Are rates posted on your website:

No

General information on your service area :

Population of Service Area: 1025

Annual Demand (AF): 152

Service Connections: 728

Residential: 557

Mutli-Family:

Commercial: 171

Irrigation:

Other:

Metered Connections: 635

Unmetered Connections: N/A

Re-Use Connections: N/A

Bill Frequency: Monthly

Unidentified

System Losses: Unknown

Conservation Plan: Yes

Reason for

Water Conservation:

Carson City Sewer Rates

Sewer Rates as on January 2021:

Flat Rates:	Monthly Rate:
Single - Family Residential (per unit)	\$ 41.87
Multi - Family Residential (per unit)	\$ 28.13
Metered Rates:	Monthly Rate:
Low-Strength Commercial	
Base Charge	\$ 41.87
Volume charge (per 1,000 gallons of metered domestic water)	\$ 7.02
High-Strength Commercial	
Base Charge	\$ 41.87
Volume charge (per 1,000 gallons of metered domestic water)	\$ 12.40

Sewer Connection Fees:	\$ 4,493.00	Sewer Water Equivalent Residential Value
Sewer Connection Fees calculated by Sewer Equivalent Residential Customer (SERC) value; 1 SERC = 200 gallons		
Sewer Rate Classes	SERC	
Single -family residence,		For all other sewer connections not specified above, connection charge will be based on the Sewer Equivalent Residential Customer (SERC) of proposed development. Value will be assigned by utility director or his designee.
Mobile home (individual lot)	1.00	
Duplex (each living unit)	0.75	
Apartment (each living unit),		
Mobile home park (each pad)		
(each living unit)	0.65	

Expect Rate Change in the upcoming year? Approved 3.5% annual increase, effective 7/1/2020-7/1/2024.

Are rates posted on your website: Yes

<https://carson.org/home/showdocument?id=55783>

Churchill County Sewer Rates

Sewer Rates as on January 2021:

Flat Sewer Rates:		Monthly Rate:	
Single - Family Residential (per unit)		\$	59.20
Metered Sewer Rates:		Monthly Rate:	
Low-Strength Commercial			
Base Charge		\$	59.20
Volume charge (per 1,000 gallons of metered domestic water when > 10,000 gpm)		\$	4.20
High-Strength Commercial			
Base Charge		\$	59.20
Volume charge (per 1,000 gallons of metered domestic water when > 10,000 gpm)		\$	4.20 plus additional surcharge as determined by Churchill County
Sewer Connection Fees:			
Single Family Residential		\$	6,500.00
Commercial	Base Rate	\$	6,500.00
		\$	350.00 *

*Commercial customer will pay base rate fee of \$6,500.00 as a minimum charge for up to 15 Equivalent Residential Units (ERU). If number of ERU's exceeds 15, customer will be responsible for an additional amount of \$350.00 per fixture unit. Calculation of ERU and fixture units will be performed using flow formula by Churchill County Building Department.

Expect Rate Change in the upcoming year? Yes
 Are rates posted on your website: Yes
<http://nv-churchillcounty.civicplus.com/index.aspx?NID=105>

Douglas County Sewer Rates

Sewer Rates as on January 2021:

Monthly Rate: See Resolution 2014R-030

FY19 July 1, 2018 - June 30, 2021	\$	72.08	Per Equivalent Dwelling Unit (EDU). 1 EDU = 250 gallons. N.A. per gallon for domestic septage*
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* Douglas County does not accept septage at the North Valley Wastewater Facility.

Sewer Connection Fees

North County Portion	\$	7,150.00
Genoa Lakes	\$	7,072.00
All other North Valley Service	\$	6,020.00

Monthly Commercial Fixed Operations Rate

The monthly commercial fixed operations rate applies to commercial customers when the commercial parcel is unoccupied provided the parcel is independently metered for water and the water meter is locked off.

Monthly Rate:	See Resolution 2016R-055
\$	44.61

Expect Rate Change in the upcoming year?

Yes - rate review currently in progress

Are rates posted on your website:

Yes

https://www.douglascountynv.gov/government/departments/public_works/sewer_utility

City of Fallon Sewer Rates

Sewer Rates as on January 2021:

Flat Rates:		Monthly Rate:
Single - Family Residential (per unit)	\$	35.00
	\$	35.00
Metered Rates:		
Commercial Normal		
Base Charge	\$	11.70
Volume charge (per 1,000 gallons of metered domestic water)	\$	2.18 per k/gal metered water
High-Strength Commercial		
Base Charge	\$	11.70
Volume charge (per 1,000 gallons of metered domestic water)		Determined on a case-by-case basis

Sewer Connection Fees:

3/4"	\$	3,000
1"	\$	6,000
1 1/2"	\$	12,000
2"	\$	19,200
3"	\$	48,000
4"	\$	120,000
6"	\$	240,000

Do you anticipate rate change in the upcoming year? **No Response**

Are rates posted on your website: **No Response**

Indian Hills GID Sewer Rates

Sewer Rates as on January 2021:

Residential Flat Rate:	Monthly Rate:	
	\$ 41.72	per Equivalent Dwelling Unit (EDU) 250 gpd = 1 EDU Additional charges determined by IHGID if discharge contains non-standard
Sewer Connection Fees:		
Single Family Residential	\$ 5,130.00	

Expect Rate Change in the upcoming year? No

Are rates posted on your website: Yes

<http://indianhillsnevada.com/Sewer.shtml>

Lyon County - Dayton and Moundhouse Sewer Rates

Sewer Rates as of January 2021

Lyon County Sewer Rates for Moundhouse & Dayton:

Flat Rates:

Single - Family Residential (per unit)	\$	63.39	per month
Multi Family Residential (per unit)	\$	57.75	per month
Low Income Single - Family Residential	\$	42.82	per month

Metered Rates:

Commercial & Industrial			
Base Charge (No Usage Allowance)	\$	26.01	per month
Volume charge (per 1,000 gallons of metered domestic water)	\$	4.66	per k/gal
High-Strength Commercial			
Base Charge	\$	26.01	per month
Volume charge (per 1,000 gallons of metered domestic water)			Determined on a case-by-case basis

Sewer Connection Fees:

Single Family Residential		
Reimbursement Fee - Collection	\$	307.00
Bond Payments Fee	\$	2,200.00
Capital Facility Charge	\$	7,109.00
Total Sewer Service Connection Fee	\$	9,616.00

Do you anticipate rate change in the upcoming year?

Increased 1/1/20 and will also increase annually on 7/1/2020 - 7/1/2024.

Are rates posted on your website?

Yes

[https://legistarweb-production.s3.amazonaws.com/uploads/attachment/pdf/472323/Resolution -
Rates.pdf](https://legistarweb-production.s3.amazonaws.com/uploads/attachment/pdf/472323/Resolution-_Rates.pdf)

Lyon County - Silver Springs Sewer Rates

Sewer Rates as on January 2021:

Sewer Service in Silver Springs provided by Lyon County

Lyon County Sewer Rates for Silver Springs:

Residential Monthly Rate:	Monthly Rate:		
	\$ 20.00	per EDU*	
Commercial Monthly Rate:	\$ 30.00	per EDU*	
Rate Codes	EDU* Cost	EDU* Cost	
	1 \$ 20.00	10 \$ 200.00	
	1.5 \$ 30.00	11 \$ 220.00	
	2 \$ 40.00	11.9 \$ 238.00	
	2.5 \$ 50.00	19 \$ 380.00	
	2.7 \$ 54.00	25 \$ 500.00	
	2.8 \$ 56.00	33 \$ 660.00	
	3 \$ 60.00	35 \$ 700.00	
	3.1 \$ 62.00	38 \$ 760.00	
	4 \$ 80.00	197 \$ 3,940.00	
	5.2 \$ 104.00		
	5.5 \$ 110.00		
	6 \$ 120.00		
	8.5 \$ 235.00		
*An equivalent dwelling unit (EDU), refers to a one single family dwelling unit with an estimated sewage flow of 242 gpd.			

Expect Rate Change in the upcoming year? No

Are rates posted on your website: No

Sewer Connection Fees: The majority of customers pay connection fee via tax assessment
However, if the connection fee did not have an assessment, the fee would be \$8,264.00

Minden Gardnerville Sanitation District Sewer Rates

Sewer Rates as on January 2021:

Sewer User Fees are billed quarterly as follows:

First Quarter:	\$	41.40	per EDU
Second Quarter:	\$	41.86	per EDU
Third Quarter:	\$	42.32	per EDU
Fourth Quarter:	\$	42.32	per EDU
Connection Fees:			
Residential			
	\$	275.00	includes 1 EDU
Commercial			
	\$	300.00	Dwelling Unit per Equivalent
Capacity fee	\$	3,800.00	Dwelling Unit

Expect Rate Change in the upcoming year? No
Are rates posted on your website: Yes

<https://www.mgsdistrict.org/billpayment/>

Service Connections:

Residential: 2,965
*Multi-Family: 50
Commercial: 368
Irrigation: -
***Other: -

The Minden-
Gardnerville
Sanitation District
also has a contract
with Gardnerville
Ranchos GID to
provide sewer

**Metered Connections:

Unmetered Connections: 3,400

Re-Use Connections:

Bill Frequency: Quarterly

Unidentified

System Losses: Unknown

Conservation Plan: N/A

Reason for

Water Conservation: N/A

Rate Increase Effective: N/A

Stagecoach GID Sewer Rates

Sewer Rates as on January 2021:

All the homes in the Stagecoach General Improvement District are on septic systems; therefore, sewer rates are not applicable.

Storey County Sewer Rates

Sewer Rates as on July 1, 2021:

Residential Sewer Rate:	Monthly Base Rate:	USDA Loan Repayment	Total Base Rate:
	\$ 18.60	34.28	\$ 52.88
Commercial Sewer Rate:	Monthly Base Rate:	USDA Loan Repayment	Total Base Rate:
	\$ 28.89	42.87	\$ 71.76
Monthly Usage fee:	Usage charge per k/gal		
	\$ 2.27	Include 2,000 gallons of water usage	
Sewer Connection Fees:			
Standard Connection Fees with meter			
Residential:	\$ 3,300.00		
Commercial:	\$ 4,800.00		
Reconnect Fee:	\$ 60.00		

Expect Rate Change in the upcoming year?

Yes, will increase annually on 7/1 from 2020 to 2023.

Are rates posted on your website?

No

AGENDA ITEM #13

CARSON WATER SUBCONSERVANCY DISTRICT

TO: BOARD OF DIRECTORS

FROM: EDWIN D. JAMES

DATE: MARCH 17, 2021

SUBJECT: Agenda Item #13 – For Discussion Only: Presentation by Alpine Watershed Group on projects conducted in Alpine County

DISCUSSION: Mo Loden, Watershed Program Manager for Alpine Watershed Group (AWG) will give an overview on the Hope Valley Restoration, Aquatic Habitat Enhancement Project, and other activities in Alpine County.

STAFF RECOMMENDATION: Receive and file.



Hope Valley Restoration & Aquatic Habitat Enhancement Project

March 2021 Updates



Mo Loden, Watershed Program Manager
awg.mo.loden@gmail.com



Alpine Watershed Group

Protecting the Headwaters of the California Alps



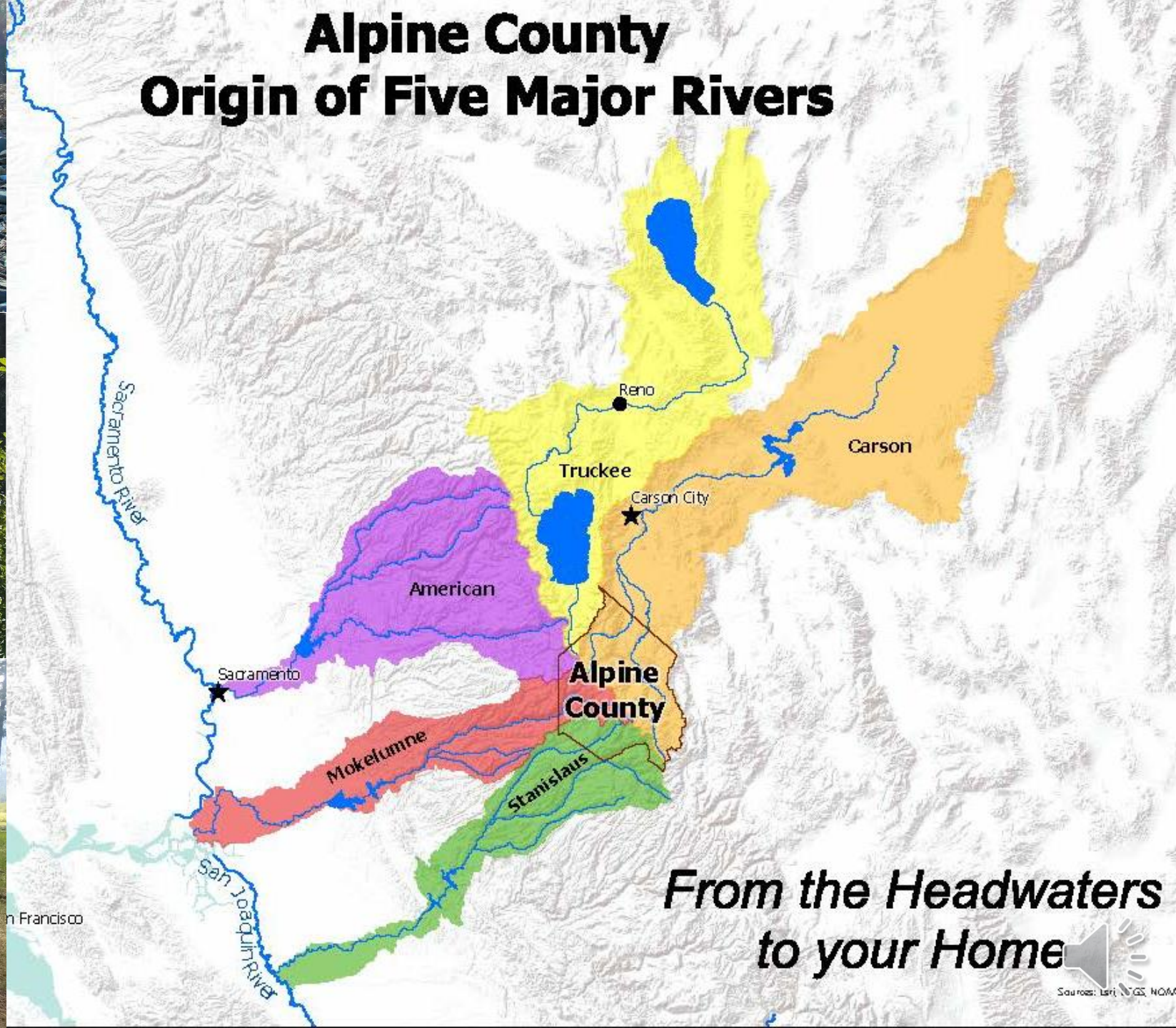
Mission: To preserve and enhance the natural system functions of Alpine County's watersheds for future generations



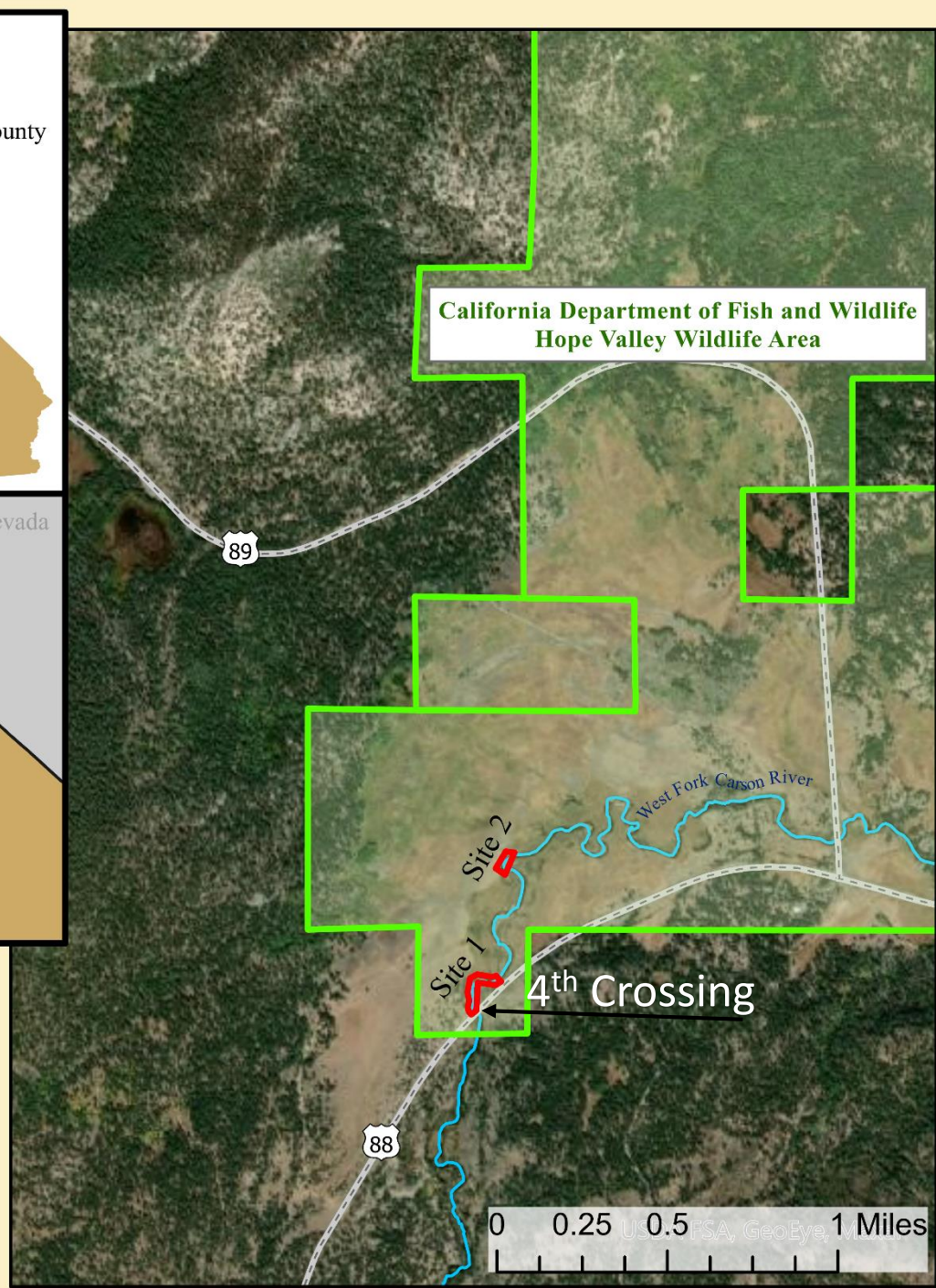


Alpine County

Origin of Five Major Rivers



*From the Headwaters
to your Home*



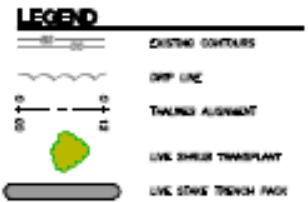


Project Goals

- Help reduce erosion
- Improve water quality
- Enhance aquatic habitat



Project Site 1



7. MARKING A MINIMUM DISTANCE OF 2 FEET BETWEEN THE TOP OF EACH BANK AND GREEN-CLAYED LIMITS OF BANKS EROSION.
8. THE MEASURER WILL MARK THE LIMITS OF WORK, BANKS ELEVATION, AND LOCATIONS OF TRENCH PILES AND LINE SHAFTS TRANSPLANTS.
9. THE MEASURER WILL MARK THE LIMITS OF THE TRENCH PILES.
10. MARKING AND FLAGGING SHALL BE WORK PROGRESSED, IN ACCORDANCE WITH THE SOD NOTES, SHEET 04.
11. ADEQUATE BENCH UNDER THE SUPERVISION OF THE AGRICULTURIST.
12. EXCAVATE, PLANTING HOLES FOR LIVE SHAFTS TRANSPLANTS AND INSTALL LIVE SHAFTS.
13. THE TRENCH PILES FOR LINE SHAFT TRENCH PILES, INSTALL LIVE SHAFTS AND MARKING TRANSPLANTS.
14. INSTALL LIVE SHAFTS AT 2-FOOT ON-CENTER SPACING WITHIN THE GRADED AREA, OUTSIDE THE LIMITS OF THE TRENCH PILES.

[illegible]PREPARED AT THE REQUEST OF
ALPINE WATERSHED GROUP

**SITE 1 SETBACK
FLOODPLAIN
BENCH PLAN**

HOPE VALLEY BANK
STABILIZATION PROJECT
100% DESIGN SUBMITTAL

DESIGNED BY:	M.W.
DRAWN BY:	S.M.
CHECKED BY:	M.W.
DATE:	6/30/01
JOB NO.:	18-0

BAR IS CURVED FROM ORIGINAL DRAWING.
ADJUST SCALES FOR REDUCED PLUITS

C3	3
----	---





TLC200 2019/09/28 09:03:07



Project Site 2

INSTALL LIVE STAKES AT 5 FEET O.C. AVERAGE SPACING. (INCREASE/DECREASE SPACING, AS NECESSARY, TO WORK AROUND THE EXISTING LOG STRUCTURES)

(E) LOGS PL. PREVIOUS WORK.

SLASH INSTALLATION AREA
INSTALL SLASH PER THE TYPICAL SECTIONS AND SLASH INSTALLATION NOTES ON SHEET C8 (AREA=265 SF)

WEST FORK CARSON RIVER

SLASH ANCHOR LOG NOTES:

1. PLACEMENT LOCATIONS: SLASH ANCHOR LOG LOCATIONS SHOWN ON THE DRAWINGS ARE APPROXIMATE. EXACT LOCATIONS SHALL BE AS DIRECTED BY THE ENGINEER IN THE FIELD.
2. SLASH ANCHOR LOGS: SLASH ANCHOR LOGS SHALL BE FIR OR PINE SOUND AND FREE OF SIGNIFICANT DECAY, MEETING THE FOLLOWING CRITERIA:

LOCATION	DIAMETER*	LENGTH	COUNT
UPSTREAM AREA	6"-8"	10'	12
DOWNSTREAM AREA	6"-8"	10'	16

* MIN. 6 INCH DIAMETER AT ANY POINT ON LOG

BANK GRADING NOTES:

1. THE LOWER LIMITS OF BANK GRADING WAS ESTABLISHED TO BE ABOVE LOW WATER ELEVATION, BASED ON FIELD MEASUREMENTS IN 2018. THE ENGINEER WILL MAKE ADJUSTMENTS TO THE GRADING PLAN, AS REQUIRED, IF THE WATER SURFACE IS HIGHER THAN THE 2018 ELEVATIONS AT THE TIME OF CONSTRUCTION.
2. PLACE MATERIAL EXCAVATED FROM THE BANK IN THE ADJACENT UPLAND AREA AT LOCATIONS FLAGGED BY THE ENGINEER. DO NOT EXCEED A DEPTH OF 6 INCHES. HAND RAKE THE SPOILS AS NECESSARY TO DISPENSE THE MATERIAL, AS DIRECTED BY THE ENGINEER.

LEGEND

	EXISTING CONTOURS
	EXISTING LOG
	EXISTING BOULDER
	LIVE STAKE INSTALLATION AREA
	SLASH ANCHOR LOG

SLASH INSTALLATION AREA
INSTALL SLASH PER THE TYPICAL SECTIONS AND SLASH INSTALLATION NOTES ON SHEET C8 (AREA = 160 SF)

LIMIT OF GRADING (TYP)

NOTE:
DEWATERING AND TURBIDITY CURTAIN INSTALLATION WILL NOT OCCUR AS THIS WORK WOULD CREATE MORE TURBIDITY DURING INSTALLATION THAN THE PROPOSED MINOR GRADING AND INSTALLATION OF THE ANCHOR LOGS AND PLACEMENT OF SLASH.

CDFW SITE PLAN - SITE 2
SCALE: 1" = 5'

Project Site 2

Before construction

After construction





Project Goals

- Help reduce erosion
- Improve water quality
- Enhance aquatic habitat



Mo Loden
Watershed Program Manager
awg.mo.loden@gmail.com

Thank you,
Project Partners!



AGENDA ITEM #%

CARSON WATER SUBCONSERVANCY DISTRICT

TO: BOARD OF DIRECTORS

FROM: EDWIN D. JAMES

DATE: March 17, 2021

SUBJECT: Agenda Item #14– For Discussion Only: Presentation on the FINAL version of the Water Drinking Video

DISCUSSION: Staff will present the final version of our “Water Connects Us All” PSA focused on what we all can do to protect the quality of our drinking water. The film is approximately 1:20 long and is the second in our *I AM CARSON RIVER WATERSHED* outreach campaign. The film was given a Sneak Peek at our Watershed Wednesday on March 3 and we are planning a formal launch in April. Staff will show the film and discuss our plans for the videos launch.

STAFF RECOMMENDATION: Receive and file.

AGENDA ITEM #15

CARSON WATER SUBCONSERVANCY DISTRICT

TO: BOARD OF DIRECTORS

FROM: EDWIN D. JAMES

DATE: March 17, 2021

SUBJECT: Agenda Item #15 – For Discussion Only:
Update on Watershed Wednesdays Forum

DISCUSSION:

Staff will present on the results of the first 3 Watershed Wednesdays of the 5-part series:

- March 3rd Education & Outreach - 12 presentations
- March 10th Recreation - 10 presentations
- March 17th Floodplain Protection - 11 presentations

Staff will review highlights and present statistics on participation.

STAFF RECOMMENDATION: Receive and file.

AGENDA ITEM #%

CARSON WATER SUBCONSERVANCY DISTRICT

TO: BOARD OF DIRECTORS

FROM: EDWIN D. JAMES

DATE: MARCH 17, 2021

SUBJECT: Agenda Item #17 – For Possible Action: Update on the 2021
Legislation Session

DISCUSSION: Staff will give update of the 2021 Legislation Session.

STAFF RECOMMENDATION: Receive and file.

AGENDA ITEM #%

CARSON WATER SUBCONSERVANCY DISTRICT

TO: BOARD OF DIRECTORS

FROM: EDWIN D. JAMES

DATE: March 17, 2021

SUBJECT: Agenda Item #17 – For Possible Action
Approval of Tentative FY 2020-21 Budgets

DISCUSSION: On March 1, 2021, the CWSD Finance Committee reviewed the proposed Tentative Budgets for FY 2021-22. The committee spent more than half the day reviewing the proposed budget and listening to funding requests from various entities in the watershed (see attached draft meeting minutes). The committee had to cut over \$199,000 from the funding requests to balance the budget. Based on the discussion at the meeting, attached are the proposed tentative budgets as recommended by the Finance Committee for FY 2021-22 for the General Fund, Acquisition/Construction Fund, and Floodplain Management Fund. [CLICK HERE](#) to link to the projects presented.

Each of the tentative budgets is divided into three columns. The left column shows the proposed budget for FY 2021-22, the center column shows the adopted budget for FY 2020-21, and the right column shows the projected actual income and expenses for FY 2020-21. For the General Fund Tentative Budget, the numbers in blue are grant funds. The draft budget includes transferring \$75,000 to the Acquisition/Construction Fund.

Attached is a pie chart that shows the percentage of expenses in the General Fund by categories of Administration, Projects, Studies, Programs, Projects Funded by Grants, Programs Funded by Grants, and Studies Funded by Grants.

The projected income from Ad Valorem taxes is staff's best guess. The actual projected tax figures from the State will not be available until March 25. Since this report from the State comes out after the board meeting, staff is recommending that the State projection for Ad Valorem taxes be inserted before the Tentative Budgets are sent to the State.

FINANCE COMMITTEE & STAFF RECOMMENDATION: Approve the FY 2021-22 Tentative Budgets for the Acquisition/Construction Fund and the Floodplain Management Fund as presented; and approve the General Fund with the Department of Taxation Ad Valorem tax figures to be inserted when they become available.

CARSON WATER SUBCONSERVANCY DISTRICT

General Fund

	Proposed Tentative Budget	Approved Final Budget	Projected Actual Budget	Notes
	Jul '21 - Jun '22	Jul '20 - Jun '21	Jul '20 - Jun '21	
Income				
5008-00 . Alpine County	11,246.47	10,897.74	10,897.74	3.2%
5009-00 . Churchill County Ad Valorem	225,992.40	218,984.88	218,984.88	3.2%
5010-00 . Lyon County Ad Valorem	193,245.11	187,253.01	187,253.01	3.2%
5011-00 . Douglas County Ad Valorem	637,559.92	617,790.62	617,790.62	3.2%
5012-00 . Carson City Ad Valorem	473,029.09	458,361.52	458,361.52	3.2%
5022-00 . Mud Lake Water Lease	55,500.00	51,765.00	55,000.00	1.5 % increase
5023-00 . Lost Lake Water Lease	0.00	0.00	0.00	
5031-00 . Interest Income - St Pool Reg	1,953.81	4,821.36	3,305.00	0..35 Percent
5050-13 . Watershed Coord Grant IV 19-22	73,300.00	164,800.00	127,000.00	Grant
5050-13 . NDEP Watershed Drone Work	0.00	18,165.00	17,903.47	Grant
5050-07 .CRC Donation	0.00	0.00	0.00	
Aquatic Trail Grant	85,000.00	0.00	5,000.00	Grant
5058-04 .208 Water Quality LID	0.00	3,900.00	10,013.00	Grant
5060-00 . Misc. Income / Watershed Tour	6,000.00	6,000.00	20.00	
5082-00 . CASGEM	400.00	400.00	400.00	Grant
5083-00 . Alpine Co Mesa GW Study	300.00	0.00	300.00	Grant
6003-00 . FEMA - MAS # 9	0.00	81,420.00	58,530.00	Grant
6004-00 . USBR - water Market Study	2,860.00	53,078.00	50,000.00	Grant
6005-00 . FEMA - MAS # 10	152,907.00	319,590.00	299,040.00	Grant
6006-00 . FEMA - MAS # 11	388,470.00	0.00	215,051.00	Grant
Total Income	2,307,763.79	2,197,227.13	2,334,850.24	
Expense				
ADMINISTRATIVE EXPENSES:				Notes
7015-00 . Salaries & Wages	430,280.00	413,300.00	398,000.00	
7020-00 . Employee Benefits	179,170.00	172,217.00	158,000.00	
7021-00 . Workers Comp Ins.	2,300.00	2,300.00	2,300.00	
7101-00 . Director's Fees	16,000.00	16,000.00	15,395.00	
7102-00 . Insurance	5,100.00	5,100.00	4,935.00	
7103-00 . Office Supplies	2,000.00	2,100.00	1,560.00	
7104-00 . Postage	1,250.00	1,050.00	1,200.00	
7105-00 . Rent	38,885.00	37,752.00	37,752.00	
7106-00 . Telephone	5,900.00	5,000.00	5,700.00	
7107-00 . Travel-transport/meals/lodging	16,000.00	16,000.00	4,600.00	
7108-00 . Dues & Publications	1,100.00	1,100.00	1,100.00	
7109-00 . Miscellaneous Expense	1,000.00	1,000.00	1,000.00	
7110-00 . Seminars & Education	1,500.00	1,500.00	1,500.00	
7111-00 . Office Equipment	3,000.00	3,000.00	3,000.00	
7112-00 . Bank Charges	50.00	50.00	50.00	
7115-00 . Accounting	16,800.00	16,800.00	16,800.00	
7116-00 . Legal	32,000.00	32,000.00	24,000.00	
Subtotal-Administrative Expenses	752,335.00	726,269.00	676,892.00	

CARSON WATER SUBCONSERVANCY DISTRICT

General Fund

Multi Year, Studies, and Grants

	Proposed Tentative Budget	Revised Final Budget	Projected Actual Budget	
PROJECTS:	Jul '21 - Jun '22	Jul '20 - Jun '21	Jul '20 - Jun '21	Notes
7114-00 - Professional Outside Services	30,000.00	30,000.00	30,000.00	
7117-00 - Lost Lakes Expenses	14,000.00	13,500.00	13,500.00	
7118-00 - Mud Lake O & M	1,250.00	1,200.00	1,200.00	
7120-00 - Integrated Watershed Plan				
7120-07 - Watershed Tour	6,000.00	6,000.00	1,000.00	
7120-33 Watershed Coord Grant IV 19-21	13,252.00	49,200.00	36,894.00	Grant
7120-33 Watershed Coord Match IV 19-21	866.00	9,900.00	17,521.00	Grant
7126-00 - NDEP CR UAS Monitoring Drone	0.00	305.00	315.89	Grant
7404-00 - Noxious Weeds Control	75,000.00	75,000.00	75,000.00	
7406-00 - 208 Planning - LID	0.00	1,210.00	7,688.00	Grant
7433-10 - State Park Aquatic Trail	80,000.00	0.00	4,500.00	Grant
7437-00 - FEMA MAS #9	0.00	66,824.00	34,500.00	Grant
7437-00 - FEMA MAS #10	136,026.00	297,642.00	280,279.00	Grant
7437-00 - FEMA MAS #11	356,070.00	0.00	195,532.00	
7438-01 - USBR WaterSmart Reimbursed	2,860.00	53,078.00	50,000.00	Grant
7438-02 - USBR WaterSmart Match	0.00	0.00	0.00	AcquConst Fund
7500-00 - USGS Stream Gage Contracts	77,022.00	78,405.00	78,405.00	(16)
7508-03 - USGS Do. Co. & Lyon Co GW Collection	16,800.00	16,890.00	16,890.00	(17)
7524-01 - USGS GW level & WQ Churchill Co.	5,930.00	5,680.00	5,860.00	
7526-01 - USGS Middle Carson Groundwater	\$ 15,250.0	\$ 15,250.0	\$ 15,250.0	
7610-10 - Douglas Co Regional Pipeline	125,000.00	125,000.00	125,000.00	
7620-11 - Regional Pipeline Payment to CC	125,000.00	125,000.00	125,000.00	
Subtotal Multi Year & On-going Projects	1,080,326.00	970,084.00	1,114,334.89	

Counties and River Projects

				Notes
7215-00 - Sierra NV Journeys - Family Night	3,279.00	3,279.00	3,279.00	(8)
7332-00 - Carson River Work Days	26,000.00	26,000.00	26,000.00	(9)
7337-00 - Carson River Restoration				
7337-20 - CVCD Genoa Bank Stabilize	0.00	70,000.00	70,000.00	
7337-25 - CVCD Bioengineering 2020-21	0.00	65,000.00	65,000.00	
7337-26 - CVCD Westwood Channel 2020-21	0.00	100,000.00	100,000.00	
7337-34 - DVCD Bank Stab & Dayton Bridge	0.00	40,000.00	40,000.00	
7337-36 - DVCD Fort Churchill	0.00	75,000.00	75,000.00	
7337-04 - LCD Clearing & Sand Bar Removal	0.00	20,000.00	20,000.00	
7600-05 - Alpine Co. Watershed Group.	25,000.00	25,000.00	25,000.00	(10)
7600-09 - CASGEM	5.00	5.00	2.00	
7600-10 - Mesa GW Measurement Project	2.00	0.00	1.00	
7640-09 - Lahontan Valley WTR Level (3 year)	14,500.00	20,000.00	20,000.00	(14)
7640-17 TCID Carson Diversion Dam 19-20 EXT	0.00	0.00	22,073.00	
7640-18 - Dixie Valley WTR LVL measurement	23,000.00	21,000.00	21,000.00	
7640-19 TCID Carson Diversion Dam Gate	0.00	15,000.00	15,000.00	
Subtotal Carson River Projects	91,786.00	480,284.00	502,355.00	

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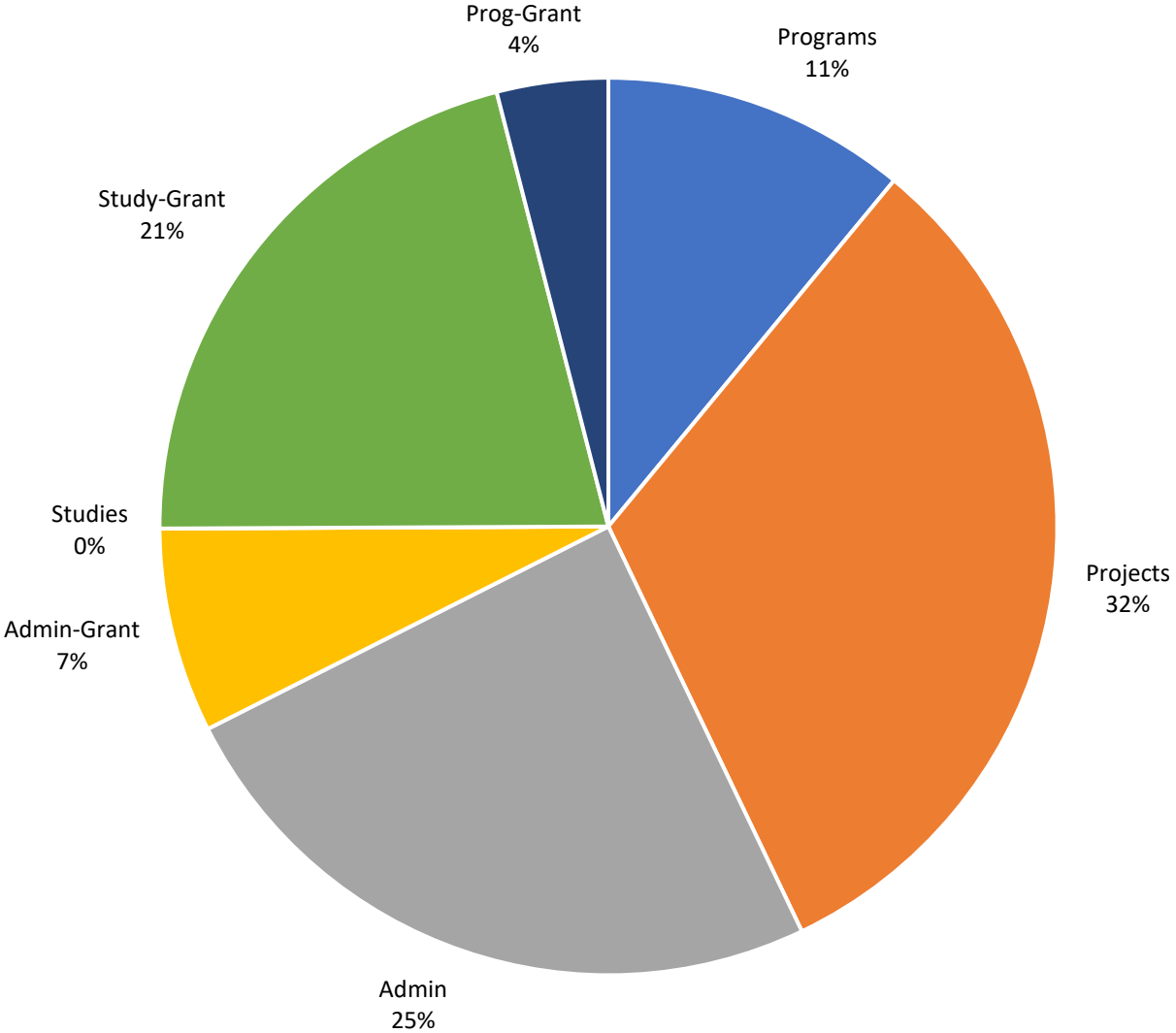
CARSON WATER SUBCONSERVANCY DISTRICT General Fund

New Projects

	Proposed to the		Notes
	Fin Committee	Requested	
Historic V & T Trail	\$ -	\$ 5,000	(1)
Lower Ash Canyon Trail	\$ -	\$ 11,469	(2)
Riverview Park Connector Trail	\$ -	\$ 10,000	(3)
CVCD Bio and Debris Removal	\$ 75,000	\$ 75,000	(4)
CVCD West Fork Bank Stabilization	\$ 100,000	\$ 100,000	(5)
DVCD	\$ 100,000	\$ 100,000	(6)
Lahontan Conservation District	\$ 25,000	\$ 25,000	(7)
AWG Markleeville Creek Restoration	\$ -	\$ 27,911	(11)
Alpine Fish and Game	\$ -	\$ 50,000	(12)
Gardnerville Station Outlet Piping	\$ -	\$ 70,000	(13)
TCID Diversion Dam	\$ 50,000	\$ 50,000	(15)
Carson River Basin Study	\$ -	\$ 25,000	
Total Expenses for New Projects	350,000.00	0.00	0.00
Total Expenditures	2,274,447.00	2,176,637.00	2,293,581.89
Net Ordinary Income	33,316.79	20,590.13	41,268.35
Other Income/ Other Income			
Beginning Equity	558,232.35	680,768.00	661,964.00
Transfer from Acqu./Const. Fd to Gen Fd.	0.00	0.00	0.00
Total Other Inc Other Expenses	558,232.35	680,768.00	661,964.00
8008-00 - Preliminary Planning	400,000.00	385,000.00	0.00
Transfer from Gen. Fd. to Floodplain Fd.	0.00	0.00	0.00
Transfer from Gen. Fd. to Acqu./Const. Fd.	75,000.00	145,000.00	145,000.00
Total Other Expenses	475,000.00	530,000.00	145,000.00
Net Other Income	83,232.35	150,768.00	516,964.00
ENDING BALANCE	116,549.14	171,358.13	558,232.35

* Based on the 2019-20 Audit

FY 2021-22 Tenetative General Budget



**CARSON WATER SUBCONSERVANCY DISTRICT
ACQUISITION/CONSTRUCTION FUND
2021-22 Tentative Budget**

ACQUISITION/CONSTRUCTION FUND	Proposed	Approved	Projected
	Tentative	Final	Actual
	Budget	Budget	Budget
	Jul '21 - Jun '22	Jul '20 - Jun '21	Jul '20 - Jun '21
Ordinary Income/Expense			
Income			
5032-01 - Interest Inc - Inv. Pool	2,791.95	5,723.24	4,850.00
Total Income	2,791.95	5,723.24	4,850.00
Expense			
Upstream Storage Evaluation	0.00	33,648.00	34,000.00
Right-A-Way Lyon County Utility to Silver Springs	25,000.00	125,000.00	100,000.00
Construction Projects	800,000.00	715,000.00	0.00
Total Expense	825,000.00	873,648.00	134,000.00
Net Ordinary Income	-822,208.05	-867,924.76	-129,150.00
Other Income/Expense			
Other Income			
8000-01 - Beginning Equity	797,700.00	764,253.00	781,850.00 *
8001-01 - Transfer In-General Fund	75,000.00	145,000.00	145,000.00
Total Other Income	872,700.00	909,253.00	926,850.00
* Based on 2019-20 Audit			
Ending Equity	50,491.95	41,328.24	797,700.00

**CARSON WATER SUBCONSERVANCY DISTRICT
FLOODPLAIN MANAGEMENT FUND
FY 2021-22 Tentative Budget**

FLOODPLAIN MANAGEMENT FUND	Proposed Tentative Budget	Adopted Final Budget	Projected Actual Budget	Notes
	Jul '21- Jun '22	Jul '20 - Jun '21	Jul '20 - Jun '21	
Ordinary Income/Expense				
Income				
5032-01 · Interest Inc - Inv. Pool	1,164.19	3,025.06	2,500.00	Based on 0.35%
Total Income	1,164.19	3,025.06	2,500.00	
Expense				
7203-03 Floodplain Planning	300,000.00	300,000.00	0.00	
TCID Flood Project	0.00	35,000.00	35,000.00	
7206-03 Flood Project along SR 88 in Minden	0.00	40,000.00	40,000.00	
Total Expense	300,000.00	375,000.00	75,000.00	
Net Ordinary Income	-298,835.81	-371,974.94	-72,500.00	
Other Income/Expense				
Other Income				
8000-01 · Beginning Equity	332,627.00	382,074.00	405,127.00	*
8001-01 · Transfer In-General Fund	0.00	0.00	0.00	
Total Other Income	332,627.00	382,074.00	405,127.00	
Ending Equity	33,791.19	10,099.06	332,627.00	

* Based on the 2019-20 Audit

CARSON WATER SUBCONSERVANCY DISTRICT FINANCE COMMITTEE

DRAFT Meeting Minutes
March 1, 2021, 8:30am – 1pm

Committee Members Present:

David Griffith, Alpine County (Virtual)
Jack Jacobs, Douglas County
Ernie Schank, Churchill County (Virtual)
Lisa Schuette, Carson City (Virtual)
Mike Workman, Lyon County

Staff Present:

Edwin James, General Manager
Catrina Schambra, Secretary to the Board

Others Present:

Jim Barbee, Churchill County
Greg Berggen, Carson City
Peter Doenges, Muscle Powered
Kevin Dose, Great Basin Institute
Walt Gentry, Al Cty Fish & Game
Marsha Gipson, USGS
Juan Guzman, Muscle Powered
Mike Hayes, CVCD
Sean Hill, SNJ
Rob Holley, DVCD
Brenda Hunt, Watershed Program Manager
Donna Inversin, Muscle Powered

Rusty Jardine, TCID
Patrick King, CWSD Attorney
Chris Mahannah, Churchill County
Kimra McAfee, Alpine Watershed Group
Erik Nilssen, Gardnerville
Darcy Phillips, River Wranglers
Megan Poff, USGS
Barbara Smallwood, Public
Katie Smith, Watershed Technician/AmeriCorps
Christy Sullivan, LCD
Rich Wilkinson, CVCD

The meeting was called to order at 8:30 a.m. by Committee Member Schank. The meeting was held via Zoom and with in-person attendees at the Conference Room of the Carson Water Subconservancy District, 777 E. William St., #110A, Carson City, Nevada. Roll call was taken and a quorum of the Finance Committee members were present. All presenters participated remotely.

Item #2 - Public comment: None

Item #3 - For Possible Action: Approval of the Finance Committee Meeting Minutes of February 21, 2020

Director Workman made a motion to approve the minutes of the Finance Committee meeting of February 21, 2020. The motion was seconded by Committee Member Griffith and approved unanimously.

Item #4 - For Discussion Only: Review the Tentative General Fund FY 2021-22 Budget and hear presentations for proposed projects; review the Tentative Acquisition/Construction Fund FY 2021-22 Budget; and review the Tentative Floodplain Management Fund FY 2021-22 Budget

Mr. James explained the General Fund Budget spreadsheet and the committee process. The committee will reach consensus on budget recommendations to be brought to full Board for action at the March 17, 2021 meeting. The funds granted need to be for projects enhancing the watershed. For

clarification, FEMA & NDEP Grants have specific requirements and these funds cannot be diverted to other projects.

Mr. James presented the proposed budgets and announced we will need to cut \$200,000 from the grant funding requests for FY 21-22.

Mr. James started by explaining the income section. The proposed county taxes are based on a conservative 3.2% increase over last year, but the official numbers from the state will not be available until March 25. The increase might be higher, but we will base our proposed tentative budget at 3.2%.

Committee Member Schank asked about money contributed by Storey County should the legislation be passed that makes them an official member of CWSD. Mr. James said the money is not included in this budget yet (which is tentative) but that he would like to look at directing the approximately \$16,000 annually from Storey County to the Floodplain Management Fund. That can be discussed when the legislation is passed, and we will adjust our budgets accordingly.

He further explained grant income and interest income on the spreadsheet. On the expense side, he noted an increase in salary that is based on a 1.75% cost of living allowance and a merit increase, benefit cost increases due to health insurance changes with staff and increase in PERS contribution. Director Schank suggested that in the future the Administrative Committee look at our COLA calculation increases to make sure we are in line with the rest of the area. Director Workman suggests we look at Western States CPU and what other agencies are doing.

Mr. James reviewed the continuing, multi-year projects and grants, as well as all the grant expenses that are offset by the grant income. He also noted that it is required by law that there be a minimum 4% of expenses in our ending balance.

Presentations of Proposed Projects

Recreation Trails:

Great Basin Institute - Lower Ash Canyon Trail Maintenance Project (Proposal #2)

Kevin Dose, Deputy Director

The goal of this project is to improve water quality, safe recreational opportunities, and economic benefits to the Carson City region. Well maintained trails will result in improved water quality and lower turbidity in the surrounding watershed through reduced run-off and erosion, sustainable drainage patterns, and keeping users on the trail and out of sensitive habitat areas. Trails with clear sight lines provide a safer and more enjoyable recreational experience. Well maintained and enjoyable trails attract visitors and support local businesses and the economy. **Funding request: \$11,469.**

Muscle Powered - Historic Virginia and Truckee Trail (Proposal #1)

Donna Inversin & Juan Guzman

This project is a Due-Diligence Study regarding bridging the Carson River at the south end of Bigelow Road. Building on existing surveys, this would be the first stage of work to assess the feasibility building a twelve (12') foot paved or board path and bridge through the previously disturbed wetlands corridor over the Carson River that would connect the north and south sections of the Historic Virginia & Truckee Trail. This is the preferred route for logistical, user experience, and historical reasons. Completing this study will prepare us to pursue additional funding for further engineering studies and eventually implementation. The Historic Virginia and Truckee Trail's mission is to create a route consisting of a network of multi-use paths and bike lanes that follows, wherever possible, the alignment of the Virginia and Truckee Railroad which will connect the five (5) counties of Northern Nevada, Washoe, Carson, Douglas, Lyon and Storey for recreation, alternative transportation, to showcase the beautiful geography and nature of the high desert, rivers, canyons and mountains and for purposes of educating

residents and visitors on the history of our Native American populations, mining, ranching and farming.
Funding request: \$5,000.

Carson City – Empire Ranch to Riverview Park (Proposal #3)

Gregg Berggren, Trails Coordinator

The project seeks to make improvements to approximately 0.2 miles of non-motorized trail between the Empire Ranch Trail and Riverview Park. This segment of trail is an old, abandoned roadbed and the tread base is soft sand. The sand is very difficult to walk or ride a bicycle through, which creates two problems: 1) limitations on accessibility, especially for those with mobility issues, and 2) users go off-trail to seek a firmer surface and thereby create “use” trails which damage riparian vegetation and cause erosion. The proposed improvements will create a trail that is a minimum of 10’ wide with a surface of Type 2 Gravel Base compacted to a minimum of 4”. It will be crowned and shaped for drainage and will be compatible with trails that it connects from the north and south. This will complete a continuous five-mile trail along the Carson River from Morgan Mill to the Mexican Dam that will be highly accessible to a variety of non-motorized users, including families with small children and strollers, and those with mobility issues. **Funding request: \$10,000.**

Carson River Projects:

Carson Valley Conservation District – Bioengineering (Proposal #4)

Mike Hayes, Grant Manager/River Coordinator

The Carson Valley Conservation District will try to stabilize vertical cutbanks as needed throughout the Carson Valley. These cutbanks have migrated faster than usual because of the two flooding incidents that we experienced in 2017. The goal would be to use bio-engineering techniques to stabilize the soil, improve water quality and re-establish desirable vegetation. The district would like to continue our work on channel maintenance and woody debris removal throughout the Carson River. The district would like to partner with CWSD, CTWCD, NDWR and Douglas County to complete this river work by the summer of 2021. The project will help minimize erosion, improve water quality, re-establish desirable vegetation improve river function within the project reach. The project will help trap sediment and provide for natural recruitment of vegetation along the riverbank. The willow plantings will help hold the soil and provide a head start on the re-establishment of vegetation of the riverbank. The removal of large woody debris will allow for improved conveyance of river flows and reduce the negative impacts to infrastructure downstream. **Funding request: \$75,000.**

Carson Valley Conservation District – West Fork Bank Stabilization (Proposal #5)

Rich Wilkinson, Grant Manager/River Coordinator

The Carson Valley Conservation District will attempt to restore vertical cutbanks that are approximately $\frac{3}{4}$ of a mile long and 12 to 15 feet high. This unstable section of river has migrated into local agricultural fields causing impacts to local producers. The overall goal of this project would be to use a combination of traditional rip-rap and bio-engineering techniques to stabilize the soil, improve water quality and re-establish desirable vegetation for wildlife. The district considers this project a high priority since this area was severely impacted by recent flooding events in 2017. The district would like to partner with CWSD, CTWCD, NDOW, USFWS, Douglas County and NDEP to complete this river restoration project by the spring of 2022. **Funding request: \$100,000.**

Dayton Valley Conservation District – Existing Project Inspection, Survey and Prioritization, and Completion of Repairs (Proposal #6)

Rob Holley, District Manager

This project is designed to survey present condition of completed projects, establish a prioritized list of repairs based on various criteria, and begin repairs accordingly. Additionally, this project addresses the need for an updated and current project inventory (location, construction type/size, etc.) for submission to State Lands as part of an ongoing effort to inventory projects completed on State property, and to establish an efficient permitting process for maintenance of those projects. This is part of DVCD's plan to address severe and ongoing bank erosion, loss of mature cottonwood trees (into the river), and loss of private agricultural land. The project objectives are (1) Thoroughly inspect each project site (30+) and establish a prioritized list of project repairs (based on multiple factors including affected infrastructure, utilities present, riparian function, mercury sequestration, cottonwood gallery protection, etc.); (2) Establish project site list (including all completed projects regardless of repair needs) for State Land's use in establishing inventory and efficient multi-year permitting; and (3) Begin implementing repair efforts based on the aforementioned priorities. **Funding request: \$100,000**

Lahontan Conservation District – Lower Carson River Project (Proposal #7)

Christy Sullivan, District Manager

Project to prevent and minimize property loss and other damage during flood condition, and to maintain a clear channel to enable citizens to utilize the river for recreation and maintaining river flow velocity to prevent stagnant pools that pose health risks. Includes removal of dead vegetation and debris, beavers and beaver dams and clearing brush and sediment back to original riverbank starting at Diversion Dam and continuing downstream. Removing sediment build up above and below Sheckler Bridge, McLean Bridge, Highway 50 Bridge, Highway 95 Bridge, Bafford Bridge and repairing eroded embankments along the river. **Funding request: \$25,000**

Director Schank remarks that maintenance of the Highway 50 Bridge is very important for flood issues in the area. A discussion follows regarding a need for a sediment removal/diversion structure study to reach a long-term plan to address these issues permanently. Since bridge clearing is an annual problem in the area, it was suggested that Mr. James contact NDOT to explore the possibility of a Federal Grant to address this as highway maintenance.

Sierra Nevada Journeys – Family Watershed Nights for Carson River WS Communities (Proposal #8)

Sean Hill, Education Director

Funding from CWSD will serve over 500 children and their parents in communities within the Carson River Watershed with four community-building and educational events called Family Watershed Nights (FWN). FWNs invite K-8 students, their parents, and siblings to attend a fun, family-friendly evening, which provides watershed education at the family level and reinforces STEM concepts in the classroom. Through hands-on activities, participants will gain a sense of ownership and stewardship for the health of their community watershed. **Funding request: \$3,278.88**

River Wranglers- Conserve the Carson River Workdays (Proposal #9)

Darcy Phillips, Executive Director

River Wranglers continues the Conserve the Carson River Workdays (CCRWD) throughout the watershed. As everything changed in 2020, so did they. RW split their project into two separate components - the work and the education – for the most part. They plan to continue that in 2021-2022 as circumstances require. RW has moved to a virtual platform; however, they plan to incorporate this virtual content into our regular programming once they return to in-person field trips. This programming is interactive and engaging. Additionally, RW gives each participating student a backpack filled with

corresponding activities and supplies. These backpacks have become the new t-shirts. It is a way to give the students some hands-on activities and help them to feel they did not miss out as much given they could not have a field trip. RW plans to continue small, more family-oriented river workdays on the weekends, and introduce informal education into these workdays with discussions about why they are doing what they are doing, the importance of the health of the watershed, and other relevant topics. As part of this workday piece, RW has completed a list of all the areas they have wrapped trees in the last 25 years, and they plan to survey them and rewrap them, as necessary. RW plans to continue the good work of prior years with water quality testing, marking storm drains, cleaning up trash, and working on stream bank stabilization. RW's goal is to reach every school in the watershed communities that wants their programming – which is easier with virtual content, but also more difficult because teachers are overwhelmed. RW is networking with schools and districts as much as possible to increase their reach.

Funding request: \$26,000

Alpine County Watershed Group- Upper Carson River Watershed Programs (Proposal #10)

Kimra McAfee, Executive Director

Alpine Watershed Group (AWG) seeks funding for the fiscal year 2021-2022 from the Carson Water Subconservancy District for the coordination of its Upper Carson River watershed programs. AWG's mission is to preserve and enhance the natural system functions of Alpine County's watersheds for future generations. For 20 years, AWG has organized volunteers and inspired widespread participation to address water quality monitoring and restoration needs in Alpine County. To further the stewardship of our county's natural resources, our organization has developed diverse partnerships around watershed issues. As the nonprofit environmental organization for the Carson River headwaters (see attached map), our positive impacts extend downstream, where the Carson River flows into Northern Nevada. Through this project, AWG staff will: (1) involve local citizens in watershed stewardship; (2) plan and implement watershed monitoring and restoration activities; (3) recruit diverse stakeholders and strengthen community partnerships; and (4) support local watershed education and community outreach. **Funding request: \$25,000**

Alpine County Watershed Group- Markleeville Creek Floodplain Restoration (Proposal #11)

Kimra McAfee, Executive Director

Alpine Watershed Group (AWG) seeks funding for the fiscal year 2021-2022 from the Carson Water Subconservancy District to support finalizing planning for the Markleeville Creek Floodplain Restoration Project. Markleeville Creek is a major tributary to the East Fork of the Carson River supplying water to agricultural users, ranches, and thousands of residents in downstream communities. The Markleeville Creek Floodplain Restoration Project is intended to re-establish the natural meandering form and function of Markleeville Creek at the site of the former US Forest Service (USFS) Markleeville Guard Station. The project will re-create the natural floodplain and riparian streamside habitat by removing the unnecessary floodwalls and artificial fill material, improving in-stream habitat with bioengineered structures that will create pools for fish habitat, and revegetating disturbed areas with native species. The project goals are to (1) Restore the natural stream channel and floodplain functions to reduce damaging effects of floods, enhance fish and wildlife habitat, and treat stormwater runoff; (2) Provide public access for recreation such as walking paths, picnicking, and parking; and (3) Upgrade aging sewer infrastructure located in the floodplain to reduce the potential for system overflows and the threat of water quality impairments (through MPUD's project).

Funding request: \$27,911

New Projects:

Alpine County Fish & Game Commission – Fish Stocking (Proposal #12)

Walt Gentry, Fish & Game Chairman

Stocking Rainbow Trout in Alpine County waterways is an annual project that promotes tourism and promotes all businesses. This year they lost funding from two of their usual sources and are looking at other opportunities to be able to continue this traditional event. **Funding request: \$50,000**

Town of Gardnerville – Gardnerville Station Outlet Piping (Proposal #13)

Erik Nilssen, Town Manager

The Town installed a 13,000 CF underground detention reservoir under the Town owned Gardnerville Station in 2020. NDOT is going to connect to the reservoir in 2022. The Town must install a pipe from the reservoir to the Martin Slough along with pumps to get the storm water into the pipes and to the slough. The project will reduce flooding in the S-Curve section of US 395 as well as prevent direct discharge of storm water from the highway to the Martin Slough and will allow for suspended solids to settle out of the storm water. The Town believes both these goals will be improved by this project. The project will provide 13,000 cubic feet of flood water storage to aid in regional flood improvements. The project will reduce flooding on a US Highway improving transportation. The project will allow for the settlement of suspended solids including polluted highway runoff to settle out instead of directly discharging into the Martin Slough. **Funding request: \$70,000**

Churchill County – Lahontan Valley Water Level Measurement Program (Proposal #14)

Jim Barbee, County Manager & Chris Mahannah, PE, SWRS

The existing project entailed a detailed review of the USGS reports and water level measurements to identify potential gaps in aerial and vertical (shallow vs. intermediate aquifers) extent to determine where additional water level measurement would be useful. This resulted in approximately 28 wells completed predominately in the Intermediate aquifer being selected for water level measurement. These wells have been measured monthly since ~January 2012 and preliminary results were presented to the Churchill County BOCC and CWSD on 4/23/14 and updated again in a presentation to the Churchill County BOCC on 2/1/18. In May 2014 approximately 7 more Intermediate aquifer wells were added to the program to fill in identified gaps in the NW portion of the valley. All wells have been surveyed with the County's survey grade GPS unit to obtain accurate coordinates and well-head elevations such that vertical and horizontal gradients can be determined. The County's water level monitoring program which focuses primarily on the Intermediate aquifer compliments the USGS program which focuses mainly on the Shallow and Basalt Aquifers.

The project has regional benefits since most of the surface supply for the Newlands project and hence recharge come from the Carson River which are augmented by the Truckee River. The Churchill County Water Resource Plan Update has identified the local intermediate aquifer as the near term quasi-municipal supply and the length of time it can sustain development is contingent upon recharge from the surface water system and downward gradients from the Shallow aquifer to the Intermediate aquifer in the western portion of the basin. Due to the relative slow movement of groundwater, impacts to the Intermediate aquifer due to reductions in recharge from the Shallow aquifer were thought to take years or decades to fully manifest, however recovery of water levels in 2016 – 2017 seem to contradict this. Ongoing monitoring is critical to further understand the rate of decline in water levels during drought years and subsequent recovery during wetter years. Furthermore, the State Engineer relies on water level data when making many water resource and water rights decisions.

The ongoing funding request is for an additional three-year term through FY23/24; however, it is anticipated for this program to be successful as a long-term management tool, it be continued as an ongoing effort. **Funding request: FY21/22: \$14,500; FY22/23: \$14,500; FY23/24: \$15,000**

Truckee-Carson Irrigation District – Carson River Diversion Dam Repairs (Proposal #15)

Rusty Jardine, General Manager

This project consists of the application of a product, Aqualastic to the concrete surfaces of the Carson River Diversion Dam (Dam). The Dam is located approximately five (5) miles downstream of Lahontan Dam in Churchill County, Nevada. Aqualastic™ is a polyurea elastomeric coating that when applied to concrete serves to seal cracks preventing damage to facilities, check undesired flows, and prevent water loss. TCID has used this product extensively in the Newlands Project and with particular success on the Truckee Canal.

The Dam is a United States Bureau of Reclamation facility constructed in 1906. It serves to divert water released from Lahontan Dam, flowing in the Carson River channel, in one of three (3) ways: 1. Through a series of gates directing continuing flow in the Carson River Channel; 2. Through the head-works of the V-Line Canal; and, 3. Through the head-works of the T-Line Canal. The Dam is 24 feet long with a 225-foot long, 31-foot-high concrete control section. In flood operations conducted in 2017, we diverted approximately 3,320 cfs of flow from Lahontan Dam. Then, at the Carson Diversion Dam, we diverted as much as 1,700 cfs. into the V-Line Canal, 1,200 cfs. in the Carson River Channel (the Carson River gates are capable of 1,950 cfs), and approximately 200 cfs in the T-Line Canal.

Pivotal to continuing water management of water on the Carson River, is our ability to make diversions through the Diversion Dam. In this application TCID seeks to apply Aqualastic™ to cracks in the concrete of the dam thus encapsulating degraded sections of concrete. As stated previously, the Diversion Dam is very old; and, the useful life of its concrete was exceeded long ago. While the hope is to replace the Diversion Dam in the future, its use in both regular operations and in flood operation remains absolutely essential. Application of Aqualastic™ will serve to prolong the life of the Diversion Dam -protecting it against potential failure particularly amidst flood operations. Protecting the dam from failure serves, ultimately, to protect all property owners on the Carson River below it from flood waters that could not be controlled. **Funding request: \$50,000**

Carson Water Subconservancy District – WaterSmart Grant, Basin Plan Study (Proposal #16)

Ed James, General Manager

The Carson River Basin is particularly vulnerable to potential climate change due to several factors. Projected climate changes are anticipated to result in reduced precipitation, warmer conditions, and earlier snowpack melt. With virtually no reservoir capacity in the upper Carson River Basin, nearly all “storage” is in the form of snowpack. With high variations in snowpack from year to year, there is a high degree of uncertainty in water supply reliability. In addition, groundwater is an important water supply source in some areas of the Carson Basin. Like the Carson River itself, all the groundwater basins adjacent to the Carson River are fully appropriated or in some cases over-appropriated. Groundwater accretions and depletions to and from the Carson River are thought to be highly dependent on the Carson River and reduced flows in the Carson River may negatively impact groundwater basins. During preparation of the Plan of Study, CWSD and Reclamation will collaborate to develop a detailed work program which will address the Future water supplies and needs for the watershed. The Plan of Study will provide a detailed roadmap for developing the various chapters of the Basin Study investigation as well as a detailed budget and schedule for completing the Basin Study within the required timeframe.

Funding request: \$25,000 + In-kind service

USGS Projects:

USGS – Stream Flow Gauges (Proposal #17)

Megan Poff, Nevada Data Chief & Marsha Gipson, USGS

This funding request is for the continuation of the cooperative monitoring program between Carson Water Subconservancy District and the U.S. Geological Survey for surface- water monitoring program activities in the Carson River Basin for CWSD fiscal years (FY) 2021-2022 (July 1, 2021 – June 30, 2023). Surface-water O&M costs include maintaining the streamgaging equipment at 10 gaging stations, real-time monitoring and display of water information, making streamflow measurements, computing streamflow, quality assurance, and data publication and archive in NWIS (National Water Information System) database.

Streamflow information and flow measurements provided at real- time and non-real-time gages in the Carson River Basin define hydrologic conditions throughout the basin, such as sources, sinks, and fluxes of water. Accurate flow data from stream gages provide critical information for water accounting for legal agreements, river and project operations, hazard forecasts, water-quality assessments, and research (such as interaction of water systems; groundwater/surface- water interactions).

Funding request: FY 21-22 \$77,022; FY 22-23 \$81,089

USGS - Eagle/Dayton/Churchill Groundwater Monitoring (Proposal #18)

Megan Poff, Nevada Data Chief & Marsha Gipson, USGS

This funding request is for the continuation of the cooperative monitoring program between Carson Water Subconservancy District (CWSD) and the U.S. Geological Survey (USGS) for groundwater and water-quality monitoring program activities in Douglas and Lyon Counties, NV, for CWSD fiscal years (FY) 2021-2022 (July 1, 2021 – June 30, 2023). Groundwater monitoring includes water-level data collection, data entry, quality assurance, and data publication and archive in NWIS (National Water Information System) database. Monitoring includes a quarterly network of 20 wells in Carson Valley and Fish Springs, and an annual network of 10 wells in the Fish Springs and Silver Springs areas that may be subject to water-level changes.

Water-quality monitoring includes sample collection, chemical analyses for selected constituents and indicators, supplies, data entry, quality assurance, and data publication and archive in NWIS (National Water Information System) database. Monitoring includes an annual network of 6 domestic wells and a semi-annual network of 5 wells.

Streamflow information and flow measurements provided at real- time and non-real-time gages in the Carson River Basin define hydrologic conditions throughout the basin, such as sources, sinks, and fluxes of water. Accurate flow data from streamgages provide critical information for water accounting for legal agreements, river and project operations, hazard forecasts, water-quality assessments, and research (such as interaction of water systems; groundwater/surface- water interactions).

Funding request: FY 21-22 \$16,800; FY 22-23 \$17,580

No action was taken.

Item #5 - For Possible Action: Make recommendations for the Tentative General Fund, Acquisition/Construction Fund, and Floodplain Management Fund FY 2021-22 Budgets

Mr. James reviewed the Acquisition/Construction and Floodplain Management Funds with the committee.

The Committee recommended designating any funds that may be received from Storey County should the current legislation pass to make them official members of CWSD by NRS shall be deposited to grow the Flood Management Fund.

Committee Member Griffith made a motion that the Finance Committee recommend that the tentative budget for the FY 2021-22 Flood Management Fund be approved as adjusted above to

include any funds received from Storey County. Director Jacobs seconded the motion which was unanimously approved by the Finance Committee.

Director Jacobs made a motion that the Finance Committee recommend that the tentative budget for the FY 2021-22 General Fund include a 1.75% COLA increase for all CWSD employees as proposed and discussed earlier in today's meeting. Director Workman seconded the motion which was unanimously approved by the Finance Committee.

Mr. James reminded the committee there needs to be a cut of \$200,000 from the funding requests. Based on further discussion and consideration, the committee proposed the following recommendations to the Board.

The Committee recommended funding the full amount requested for these projects:

- Carson Valley Conservation District – Bioengineering (4)
- Carson Valley Conservation District – West Fork Bank Stabilization (5)
- Dayton Valley Conservation District – River Projects Inventory (6)
- Lahontan Conservation District – Lower Carson River Project (7)
- Sierra Nevada Journeys – Family Watershed Nights (8)
- River Wranglers- Conserve the Carson River Workdays (9)
- Alpine County Watershed Group- Upper Carson River Watershed Programs (10)
- Churchill County – Lahontan Valley Water Level Measurement Program (14)
- Truckee-Carson Irrigation District – Carson River Diversion Dam Repairs (15)
- USGS – Stream Flow Gauges (17)
- USGS - Eagle/Dayton/Churchill Groundwater Monitoring (18)

The Committee recommended not funding these projects:

- Muscle Powered - Historic Virginia and Truckee Trail (1)
- Great Basin Institute - Lower Ash Canyon Trail Maintenance Project (2)
- Carson City – Empire Ranch to Riverview Park (3)
- Alpine County Watershed Group- Markleeville Creek Floodplain Restoration (11)
- Alpine County Fish & Game Commission – Fish Stocking (12)
- Town of Gardnerville – Gardnerville Station Outlet Piping (13)
- Carson Water Subconservancy District – WaterSmart Grant, Basin Plan Study (16)

Director Workman made a motion that the Finance Committee recommend that the Tentative Budget for the FY 2021-22 General Fund be approved as adjusted above. Committee Member Griffith seconded the motion which was unanimously approved by the Finance Committee.

Director Jacobs made a motion that the Finance Committee recommend that the Tentative Budgets for the Acquisition/Construction Fund and the Floodplain Management Fund be approved as presented, with any Storey County funds going to the Floodplain Management Fund. Director Workman seconded the motion which was unanimously approved by the Finance Committee.

Item #6 - Public comment: None

The meeting adjourned at 12:55pm.

Respectfully submitted,
Catrina Schambra
Secretary to the Board

AGENDA ITEM #%

CARSON WATER SUBCONSERVANCY DISTRICT

TO: BOARD OF DIRECTORS

FROM: EDWIN D. JAMES

DATE: MARCH 17, 2021

SUBJECT: Agenda Item #18 – For Discussion Only: Update on 2021 Water Year

DISCUSSION: Staff will give an overview of the water picture for the Carson River Watershed

STAFF RECOMMENDATION: Receive and file.

STAFF REPORTS

CARSON WATER SUBCONSERVANCY DISTRICT

TO: BOARD OF DIRECTORS

FROM: EDWIN D. JAMES

DATE: March 17, 2021

SUBJECT: Agenda Item #19 - For Information Only: Staff Report

DISCUSSION: The following is a list of meetings/activities (mostly virtual) attended by Ed James and staff since the last Board meeting on February 17, 2021:

- 2/18/21 - Brenda gave public comment re: LID for CC Drainage Manual at Carson City BOS Meeting
- 2/18/21 - Shane attended Western States Source Water Protection Technology Workshop -Speaker Coordination Session
- 2/18/21 - Brenda, Shane, Debbie & Katie held meeting re: Video trailer and Introductions
- 2/18/21 - Brenda and Shane met with RDM Infinity about a support contract for maintenance of our website.
- 2/18/21 - Katie attended AmeriCorps Professional Development Training
- 2/18/21 - Ed gave a presentation to Douglas County Commissioners regarding Carson Valley water supplies
- 2/19/21 - Ed and Brenda attend TNC meeting re: USGS Water Study and SB98
- 2/23/21 - Ed and Brenda attended TNC Workshop
- 2/24/21 - Shane presented and attended Source Water Protection Forum
- 2/24/21 - Brenda and Katie attended CTP Webinar on New Datums for the Nation
- 2/24/21 - Shane and Katie filming intro for Watershed Wednesdays
- 2/25/21 - Brenda and Katie met with Douglas County, River Wranglers, and NV Rural Water Authority on site re: Westwood Neighborhood LID Implementation
- 2/25/21 - Brenda and Katie attended Lahontan Cutthroat Trout Recovery meeting
- 2/25/21 - Ed gave a presentation to the NV Senate Natural Resource Committee regarding CWSD and he testified on behalf of SB 98.
- 2/26/21 - Staff meeting (all)
- 2/26/21 - Ed attended the Rural County caucus meeting
- 2/26/21 - Brenda, Shane, Katie and Debbie met re: Watershed Wednesdays plans

- 3/1/21 - Ed and Catrina hosted Finance Committee re: FY 21-22 Funding Requests and Tentative Budgets
- 3/1/21 - Ed and Debbie attended Smelter Creek LOMR meeting
- 3/1/21 - Shane and Brenda filming PSA intro for Watershed Wednesdays
- 3/2/21 - Brenda and Katie met with NEON re: launch of "Water Connects Us All" PSA
- 3/2/2021 Ed and Debbie attended Carson Valley Physical Map Revision meeting with Douglas County staff
- 3/2/21 - Brenda phone conference with Charles Schembre - New NDEP employee for introductions
- 3/2/21- Brenda met with Climate Change speaker for Watershed Wednesdays
- 3/2/21 - Ed and Debbie met with DC staff and Kimley-Horn to discuss the Smelter Creek LOMR project.
- 3/2/21 - Ed and Debbie met with DC staff and HDR to discuss the floodway in Carson Valley
- 3/2/21 - Brenda, Patrick King and Ed met to discuss AB146
- 3/2/21 - Debbie attended Douglas County Floodway meeting
- 3/3/21 - Watershed Wednesdays Forum - Week 1 Outreach and Education (all)
- 3/4/21 - Staff meeting (all, except Katie)
- 3/4/21 - Katie on site with River Wranglers to help facilitate Carson Montessori School Fish Release
- 3/4/21 - Ed attended ACE NV Flood After Fire Pocket Guide live edit session
- 3/4/21 - Ed met with Nick Maier, a new Douglas County Planning Commissioner.
- 3/4/21 - Ed met w/ representative from NDEP to discuss AB 146.
- 3/8/21 - Brenda and Katie attend NDEP 319h Grant Project Discussion / Meet & Greet
- 3/10/21 - Watershed Wednesdays Forum - Week 2 Recreation (all)
- 3/17/21 - Watershed Wednesdays Forum - Week 3 Floodplain Protection (all)
- 3/17/21 - Ed, Deb and Brenda facilitated FEMA Risk Map Charter Meeting

STAFF RECOMMENDATION: Receive and file.

NO CORRESPONDENCE